

**PROVISION OF NEW BLOCK OF RESIDENCE FLATS IN GIKI**

**BILL OF QUANTITY (BOQ)**

S. No	MRS-21	Description	Unit	Qty	Rate	Amount
<b>A CIVIL WORK</b>						
1	03-25-b	Excavation as in foundation of building upto required depth in any kind of soil as per specification and instruction of Engineer Incharge.	M <sup>3</sup>	200.05		
2	3-20-a	Transportaion of earth all type beyond 250 m and upto 500 m.	M <sup>3</sup>	200.05		
3	10-03-a	Provide, lay, water & ram 4" thick clean coarse sand under floor / brick paving, complete	M <sup>2</sup>	35.67		
4	28-15	P/Spraying Anti Termite proffing chemical over excavated bed under 1:4:8 and as on B:B wall before fixing the joinery in 3-phase etc complete in all respect as per specification and instruction of Engineer incharge.	M <sup>2</sup>	234.09		
5	06-05-i	P/L P:C:C 1:4:8 l/c placing, compacting , finishing and curing complete l/c screening and washing of stones aggregate.	M <sup>3</sup>	16.67		
6	06-07-a-03	P/L R:C:C 1:2:4 as in foundation l/c placing, compacting , finishing and curing complete l/c screening and washing of stones aggregate.	M <sup>3</sup>	69.24		
7	06-08-b	Fabrication of mild steel reinforcement bar l/c cutting, bending, straighting, binding, placing in position l/c shuttering etc complete in all respect as per specification & instruction of Engineer incharge (60grade)	Ton	5.92		
8	06-07-a-03	R:C:C 1:2:4 as in beam slabs & stairs etc l/c mechanical mixing, placing, compacting , finishing and curing complete l/c screening and washing of stones aggregate.	M <sup>3</sup>	222.61		
9	06-08-b	Fabrication of mild steel reinforcement bar l/c cutting, bending, straighting, binding, placing in position l/c shuttering etc complete in all respect as per specification & instruction of Engineer incharge (60grade)	Ton	31.70		
10	06-26-a-03	Damp proof course of cem. conc. 1:2:4 including bitumen coat, 1 layer polythene & 1 coat bitumen (3" thick)	M <sup>2</sup>	31.13		
11		P/L 1st class B:B masonry in 1:6 c/s mortor using approved source sand l/c shuttering, watering, leveling. Dressing & curing etc complete in all respect as per specification & Instruction of Engineer incharge.				
12	07-05-a-05	Foundation	M <sup>3</sup>	49.80		
13	07-05-a-05	G- Floor	M <sup>3</sup>	104.05		
14	07-05-a-05+07-	1st- Floor	M <sup>3</sup>	85.07		
15	07-05-a-05+07-	2nd Floor	M <sup>3</sup>	85.07		
16		P/A 1/2" , 3/4" & 3/8" thick cement plaster in 1:4 c/s ratio using approve soruce sand l/c shuttering, watering, leveling, dressing making gorves where necessary and curing etc complete in all respect as per specification & Instruction of Engineer incharge.				
	11-09-b	G- Floor	M <sup>2</sup>	997.51		
	11-09-b	1st- Floor	M <sup>2</sup>	946.14		
	11-09-b+11-28	2nd floor	M <sup>2</sup>	1048.88		
16 a	11-08-a	Cement plaster 1:3 upto 20' height 3/8" thick	M <sup>2</sup>	750.00		

17	06-05-f	P/L PCC 1:2:4 under floor using crushed stone approved source sand mechanical mixing, puring, leveling, dressing, compacting etc complete in all respect.	M <sup>3</sup>	23.78		
18		Preparing surface & painting with emulsion paint 3 coats to new surface.				
	13-03-i	G- Floor	M <sup>2</sup>	997.51		
	13-03-i	1st- Floor	M <sup>2</sup>	946.14		
	13-03-i	2nd Floor	M <sup>2</sup>	1048.88		
18 a	13-25-a	Preparing surface & painting with snowcem / weathershield paint : First coat	M <sup>2</sup>	750.00		
18 b	13-25-b	Preparing surface & painting with snowcem / weathershield paint : 2nd & subsequent coats	M <sup>2</sup>	1500.00		
19	09-01	First class tile roofing including earth, mud plaster, gobri leeping, cement plaster etc complete	M <sup>2</sup>	201.84		
20	09-35-c	Provide & lay roof insulation complete with 2 no. Thermopore sheet (each 1" thick)	M <sup>2</sup>	201.84		
21	09-13	2 coats of bitumen laid hot using 34 lbs. for %sft over roof & blinded with sand at 1 cft per % sft	M <sup>2</sup>	201.84		
22	09-16	Khuras on roof 2'x2'x6"	Each	4.00		
23	12-53-c	S/F of Aluminium Window Premium Quality 4" section Sliding etc complete as per specification & instruction of Engineer incharge.	M <sup>2</sup>	80.96		
24	12-61	MS flat 1/2"x1/8" grill in windows of approved design including painting 3 coats, complete	M <sup>2</sup>	80.96		
25	06-05-h	P/L PCC 1:3:6 using crushed stone approved source sand mechanical mixing watering, pouring, placing compacting, leveling dressing and curing etc complete in all respect as per specification & instructions of Engineer incharge.	M <sup>3</sup>	6.73		
26	12-78-a	Provide & fix wooden box type Kitchen Cabinet 22" deep Deodar wood boxing & deodar shelves etc.	M <sup>2</sup>	43.00		
26 a	12-78-b	Kitchen Wall Cabinet as per approved Design/Specification	M <sup>2</sup>	40.00		
27	12-27-b	Provide & fix wooden box type wardrobe 22" deep Deodar wood boxing & deodar shelves etc.	M <sup>2</sup>	55.74		
28	10-42-	Providing and fixing on walls 1/4"(6mm approx.) thick of imported first grade ceramic tiles of size 24 in x 24 in white on walls, over 1/2" (13mm) thick base of cement mortar 1:3 setting of tiles in slurry of grey cement over mortar base including filling the joint with white cement and washing the tile, curing and cleaning etc. complete.	M <sup>2</sup>	262.52		
29	10-51-	P/F Ceramic 12" x 24" Tiles Flooring using Emco, National or equivalent etc complete in all respect as per specification and Instructicon of Engineer Incharge.	M <sup>2</sup>	605.40		
30	12-19-a	Provide & fix MS chowkat of doors, windows etc MS angle iron 1.5"x1.5"x1/4" welded with MS flat	M	162.45		
31	12-10-b	Deodar wood framed, braced & battened doors: 1.75" thick, 1" battens & 3/4" planks	M <sup>2</sup>	62.45		
32	25-45-a	Supplying and Fixing 18 SWG MS Sheet door with angle iron frame (1.5"x1.5"x1/8"), bolt hinges, paint etc complete	M <sup>2</sup>	21.00		
33	13-03-c-01+13-06-c	Prepare & Paint surface of doors 3-coats.	M <sup>2</sup>	175.00		
34	25-47	Supply and fixing of fancy type stainless steel chromium plate 2" dia pipes stair railing 3/4" dia pipe fixed on specified space on steps in horizontal positions, complete in all respects	M	120		
35	10-38-a	Providing and Laying 1" Thick Super White Marble Slab Exceeding 12"x12" size Kitchen Top in White Cement including all labour for Grinding and Polishing. i/c rubbing grinding and chemical polishing, complete in all respects as per specifications and drawings and as approved by the Engineer Incharge.	M <sup>2</sup>	130		
36	27-129-a-iii	Providing & Fixing of Lock of best quality on Internal Doors as instrcuted by the EI.	Each	37		
				<b>Sub Total-A</b>		



B Public Health Work						
1	14-01-b	Providing and Fixing glazed earthen ware WC European type excluding cost of seat & cover : Coloured	Each	12		
2	14-02-a	Providing and Fixing double seat & cover only : Bakelite	Each	12		
3	14-05-a-01	Providing and Fixing glazed earthen ware wash hand basin (WHB) complete size 56x40 cm (22"x16"), including bracket set, waste coupling, complete in all respects: White with pedestal (Best Quality)	Each	12		
4	14-06-b	Providing and Fixing stainless steel sink with drain board size 36"x18", including set of brackets, waste pipe etc	Each	6		
5	14-27-a	Providing and fixing, chromium plated mixing valve, for wash hand basin.shower	Each	30		
6	14-25	Providing and fixing chromium plated tee stop cock 1/2"	Each	24		
7	14-14-b	Providing and fixing, glazed earthen ware soap dish	Each	12		
8	14-16-a	Providing and fixing, chromimum plated towel rail 60 cm (24") long and 2 cm (3/4") dia	Each	12		
9	14-17-a	Providing and fixing best quality 5mm mirror (22"x16") size	Each	12		
10	14-26-b	Providing and Fixing CP shower rose : 3/4"x6"	Each	12		
11	15-220-c	Supply and fixing of 8-14 Litres Electric Geyser including all accessories and fittings	Each	6		
12	14-147	Providing & Fixing of uPVC Floor Drain of dia 5" with P-Trap of approved quality with M.S Grating of 5 Inches dia hole with minimum outlet of drain should be 3 Inches complete in all respect.	Each	58		
13	14-32-b	Providing and Fixing 'P' trap including GI grating & PCC chamber 4" glazed	Each	36		
14	23-05-b	Providing and fitting 10cm (4") gully trap, including cement concrete, cost of PVC grating 15 x 15 cm (6"x 6") and masonry chamber 30x30cm (12"x12")	Each	9		
15	N.S	Providing and fixing sullage pump pump 3'x4"1/2 Electric motor Electric connection and Foundation complete in all respects	Each	1		
16	03-46	Excavation of trench in all kinds of soils except cutting in rock for pilelines upto 1.5m depth	Cft	3,400.00		

17		Providing, fixing, jointing and testing Polypropylene Random (PPR) pipes or approved equivalent pressure pipe for hot water as per DIN 8077-8078,PN-20 for pipes and DIN 16962,PN-25 for fittings (polyfusion welded joints) inside building including fittings and specials (sockets, tees, elbows, bends, crosses, reducers, adaptor, plugs and union etc.) supported on walls or suspended from roof slab or run in chases including pipe hangers, supports, cutting and making good the chases and holes, complete in all respects.				
a	N.S.I	25mm dia	Rft	500		
b	N.S.I	32mm dia	Rft	730		
c	N.S.I	40mm	Rft	130		
d	N.S.I	50mm	Rft	480		
e	N.S.I	63mm	Rft	195		
18		Providing and fixing heavy duty ball valve "KITZ" (Japan) or "ITALY" of best quality Sub main pipe line complete in all respect as per specifications and drawings.				
a	N.S.I	25mm	Each	6		
b	N.S.I	32mm	Each	1		
c	N.S.I	40mm	Each	2		
d	N.S.I	50mm	Each	3		
e	N.S.I	63mm	Each	4		
19	03-49-a	Excavation in open cut for sewers & manhole except shingle, gravel & rock : Upto 2m	Cft	1,500.00		
20		Providing, fixing, cutting, jointing and testing uPVC sewerage, Drainage & vent piping conforming to ISO 3633:1991 including PVC Drainage fittings with solvent cement jointing include cost of clamping to walls and ceiling, hangers, supports, cutting through walls and providing sleeves through concrete slabs for pipelines and pipe fittings of the following diameter complete in all respect.				
	N.S.I	a) 2" i/d	Rft	65		
	N.S.I	b) 3" i/d	Rft	690		
	N.S.I	c) 4" i/d	Rft	510		
21		Providing and Laying non-reinforced concrete pipe,moulded with cement concrete 1:1.5:3 complete :				
a	23-02-b	6" i/d	Rft	185		
b	23-02-c	9" i/d	Rft	100		
22	N.S.I	Construction of square masonry manhole (2'x2') including cover and frame upto 6' depth	Each	10		
23	N.S.I	Providing and Laying cut, joint, test & disinfect GI pipe line Using light quality GI Pipe : 3/4" i/d	Rft	480.00		
24	14-15	Providing and Fixing CP(Chromium Plated) Toilet paper holder complete	Each	12.00		
					<b>Sub Total-B</b>	

C Internal Electrification					
1	[Ref: Item 15-05-c]	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of three No. 3x 2.5 mm (7/0.029")	Rft	7000	
2	[Ref: Item 15-02-b-03]	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 25mm	Rft	2930	
3	[Ref: Item 15-05-a]	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of three No. 2x 1.5 mm (3/0.029")	Rft	12600	
4	[Ref: Item 15-02-b-02]	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials ii) Cost of 20mm PVC pipe	Rft	3355	
5	[Ref: Item 15-05-d]	Supply and erection of single core PVC insulated copper conductor cables in prelaid PVC pipe/M.S conduit G.I pipe/wooden strip batten/wooden casing and capping/G.I wire/trenches (rate for cables only) i) Cost of two No. 1x4 mm2 (7/0.036")	Rft	3710	
6	[Ref: Item 15-02-b-03]	Supply and erection of PVC pipe for wiring recessed in wall including inspection boxes pull boxes, hooks, cutting jharries, and repairing surface, etc, complete with all specials iii) Cost of 25 mm PVC pipe	Rft	1480	
7	15-20-a	Supply and Erection 3 pin switch & plug combined recessed type : 5 Amp	Each	230	
8	15-45	Wiring of light/fan/call-bell point in 3/0.029" PVC insulated & sheathed cable on sahl wood strip	Each	350	
9	15-24-a	Supply and Erection tube light, including rod, choke etc complete Double rod (80 watts) with 2 chokes & 2 starters	Each	61	
10	15-36-i-14	Supply, installation, testing and commissioning of Recessed Down Light with CFL (1 X 13) watt Energy saver and Convex Frosted Lens IP 54, complete in all respects. .	Each	220	
11	15-68-c	Supply, installation and commissioning of ceiling fan 56" Sweep as shown on drawings complete with capacitor, hanging rod, canopy blades, dimmer of approved quality, nuts, bolts complete in all respects make PAK, Climax, Asia.	Each	24	
12	15-69-a	Supply, installation and commissioning of Exhaust Fans of following sizes plastic body, louvers, all necessary fixing accessories, make Asia, Climax, PAK National complete in all respects. 12" dia (Plastic Body).	Each	18	
14	N.S.I	Supply and Instalation of Main Distribution Board wall Mounted.	Each	6	
<b>SUB TOTAL - C</b>					
<b>GRAND TOTAL FOR ONE BLOCK (6 FLATS)</b>					
<b>GRAND TOTAL FOR THREE BLOCKS (18 FLATS)</b>					