

BOQs

G.I.K

STUDENT HOSTEL



BAYAR ASSOCIATES

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ABSTRACT OF COST
CONSTRUCTION OF G I K HOSTEL

Ser	Description	Total Cost
1	Civil Works	0
2	Electric	0
3	Water Supply	0
4	Sewerage Work & Sanitry Wares	0
<i>Total Cost</i>		0

BILL OF QUANTITIES FOR
CONSTRUCTION OF G I K HOSTEL

Bearing Capacity = 0.75 TSF

Ser	Description	Qty	Unit	Rate	Amount
Sub Structure / Footing Upto FFL					
1	Demolition of Plain Cement Concrete in portions for excavation of building footings upto existing raft level complete all as specified.	28.24	Cum		-
2	Excavation as in Hard Soil upto 1.50 M depth, in foundation and pipe trenches upto 1.50 M wide, in shafts, wells and independent holes upto 30 sqm each and throw earth clear of edges of excavation within 10m complete all as specified.	205.56	Cum		-
3	Termite proofing of New buildings with approved chemicals except joinery complete all as specified.	378.91	Sqm		-
4	Drilling / making holes upto 8" death having size 3/4" dia incl cost of steel bar for fixing of steel bars as shear connector / chemical bolting to joint the footing with existing structure complete all as per engineer incharge instruction.	1309.00	Cum		-
5	Providing and laying of lean concrete using crushed or broken stone graded 1:3:6 complete all as specified.	4.06	Cum		-
6	Providing and laying of PCC with 3000 psi compressive cylindrical strength in all non-structural elements including formwork complete all as specified.	3.15	Cum		-
7	Providing and laying of RCC with 3000 psi compressive cylindrical strength in foundations , independent column footings, and rigid floors etc. including form work complete all as specified.	44.70	Cum		-
8	Providing and laying of RCC with 3000 psi compressive cylindrical strength in different structural elements i.e. columns , beams, stairs, posts, struts, piers, lintels, and the like including form work, complete all as specified. Reinforcement measured and paid separately. (Columns Upto FFL)	4.22	Cum		-

BILL OF QUANTITIES FOR
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Bearing Capacity = 0.75 TSF

Ser	Description	Qty	Unit	Rate	Amount
9	Burnt brick work, in wall over 115 mm thick , laid and jointed in CM 1:3 , straight or to curve with inner radius of 6m and over, upto 4.25 m depth complete all as specified. (Upto R.L)	54.73	Cum		-
10	Burnt brick work, in wall over 115 mm thick , laid and jointed in CM 1:3 , straight or to curve with inner radius of 6m and over, upto G.F roof level complete all as specified. (R.L to FFL)	57.53	Cum		-
11	Supply and fix hold fast, guard bars, Straps for wooden trusses, holding down bolts with washers, ladders, railings, brackets, pipe supports, tie rods and balusters, chimney bars, chains, rings shackles, hinges and type, grating or gullies, etc. including forging, letting in to stone or brick work etc: complete, by welding in lieu of riveting/bolting etc. (Flat Iron Ties)	241.03	Kg		-
12	Providing and laying of RCC with 3000 psi compressive cylindrical strength in different structural elements i.e in roof slabs, landings, walls, plinth beams and bands etc. including form work complete all as specified. Reinforcement measured and paid separately. (Plinth Beams)	15.69	Cum		-
13	Vertical DPC consisting of 2 x coats of water proofing compound, using Bitumen 10/20, applied hot @ 4.90 Kg /10sqm over 13mm thick DPC of CM 1:3 mixed with approved water resistant material 3% by weight complete all as specified.	1103.28	Sqm		-
14	Earth filling as in Ordinary or hard soil, filling in foundation , pipe trenches, shafts, wells, independent holes, under floors or around plinths etc., 1.50 M below or above Ground Level (GL), with spoil obtained from excavation in trenches/over areas within 50M including watering and compaction in 150 mm layer and dressing to required profile and shape complete all as specified.	358.77	Cum		-

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Ser	Description	Qty	Unit	Rate	Amount
15	Earth req from out side for filling under floor with in 5 KM distance complete all as specified.	153.21	Cum		-
16	Dispose off Surplus material like earth etc from site, Load "materials" (like excavated soil / rock, demolished brick bats, bricks, sand and bitumen etc.), by any means upto 1000 M, unload and stack or spread complete all as specified.	28.24	Cum		-
17	Providing and laying of sand cushion under floor complete all as specified.	38.12	Cum		-
18	Providing and laying PCC 1:3:6 , laid under floor using crushed or broken stones complete all as specified.	38.12	Cum		-
A- Total Amount For Footing Upto FFL / Sub Structure				Rs	-
Super Structure					
1	Burnt brick work, in wall over 115 mm thick , laid and jointed in CM 1:3 , straight or to curve with inner radius of 6m and over, upto G.F roof level complete all as specified.	156.90	Cum		-
2	Burnt brick work, in walls 115 mm thick , laid and jointed in CM 1:3 , straight or to curve with inner radius of 6m and over, upto G.F roof level complete all as specified.	17.97	Cum		-
3	Supply and fix hold fast, guard bars, Straps for wooden trusses, holding down bolts with washers, ladders, railings, brackets, pipe supports, tie rods and balusters, chimney bars, chains, rings shackles, hinges and type, grating or gullies, etc. including forging, letting in to stone or brick work etc: complete, by welding in lieu of riveting/bolting etc. (Flat Iron Ties)	482.05	Kg		-
4	Providing and laying of RCC with 3000 psi compressive cylindrical strength in different structural elements i.e. columns, beams, stairs, posts, struts, piers, lintels , and the like including form work, complete all as specified.	15.43	Cum		-

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Ser	Description	Qty	Unit	Rate	Amount
5	Providing and laying of RCC with 3000 psi compressive cylindrical strength in different structural elements i.e in roof slabs , landings, walls , plinth beams and bands etc. including form work complete all as specified. Reinforcement measured and paid separately.	65.66	Cum		-
6	Lintel bearing Consisting of 13 mm thick cement plaster (1:4) and thermopore sheet 19mm thick for reduced the cracks between masonry work and concrete complete all as specified.	7.11	Sqm		-
7	Supply of water proofing building or insulating paper, weighing 3.92 Kg per 10 sqm, and fix in any position with 50 mm side and 150 mm end laps and nailing, as described for Felt over 13mm thick plaster (1:4) complete all as specified.	45.31	Sqm		-
8	13mm thick cement plaster 1:4 finished as specified. (Ceiling)	422.57	Sqm		-
9	13mm thick cement plaster 1:4 finished as specified. (Internal Walls)	1080.29	Sqm		-
10	13mm thick cement plaster 1:4 finished as specified. (External)	587.35	Sqm		-
11	Providing and laying, PCC 1:2:4 laid in floor, slabs as under layer for Terrazzo / tiles top finished, using crushed or broken stone complete all as specified.	11.55	Cum		-
12	19 mm thick Cement Plaster 1:3, for under tiles as rendering finished as specified (Basement, GF, FF and 2nd floor) complete all as specified.	378.91	Sqm		-
13	Providing and laying Standard quality tiles of any make not exceeding 1600 Sq cm, including setting, jointing and bonding, complete all as specified.	680.12	Sqm		-
14	Supply and fix, 12mm thick Plate Glass partition/door in any size including all necessary accessories i.e. pivot machine, handle lock etc complete all as specified.	17.84	Sqm		-

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Ser	Description	Qty	Unit	Rate	Amount
15	Providing and laying Standard quality granite tiles (Indus gold, Tropical), of any size, 20 mm thick including setting, jointing, pointing and chemical polishing complete all as specified.	38.69	Sqm		-
16	Supply and fix, Stainless steel Hand railing using ¾" to 2" dia, 16 to 18 Gauge pipe with all fittings etc. as per specifications.	117.65	Metre		-
17	3 x Coats of painting on new work such as walls including all detached attachment with Plastic Emulsion paint incl surface preparation by using putty on plastered wall or ceiling to form smooth base for plastic emulsion paint etc complete all as specified.	1502.86	Sqm		-
18	3 x coats of weather shield paint on exterior wall on new surface.	587.35	Sqm		-
19	Supply of Aluminium Sliding window, Premium Quality, of Anodized Aluminium extruded section in any size, colour and texture as specified, including fixing on concrete, wood or steel frames, complete with all necessary fittings incl 5mm thick tinted glass as DG Section complete all as specified.	76.18	Sqm		-
20	Supply of Aluminium fly/ insects screening with mesh (Deluxe and premium model), of Anodized extruded section including fixing on concrete, wood or steel frames with all necessary fittings, complete all as specified.	38.09	Sqm		-
21	Supply and fix, Steel Chowkat press-moulded 16 SWG, for 115 mm walls , single leaf, complete, including hold fast, ties for lateral movement, PCC 1:2:4 cavity filling etc, including one coat of anti-Creosote paint (internal surface) and Red oxide paint (external surface) complete all as specified.	63.09	Metre		-

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Ser	Description	Qty	Unit	Rate	Amount
22	Supply and fix, Steel Chowkat press-moulded 16 SWG, for 200 mm walls , single leaf, complete, including hold fast, ties for lateral movement, PCC 1:2:4 cavity filling etc, including one coat of anti-Creosote paint (internal surface) and Red oxide paint (external surface) complete all as specified.	113.38	Metre		-
23	Supply and fix 38mm thick 1st Class Soft Wood (Deodar) Framed and Panelled doors , gates etc., panels filled with MDF 16 mm sheet, including hold fast and mongery and Wax polishing on Both Sides complete all as specified (except chowkats).	68.98	Sqm		-
24	Supply and fix Rim / Alpha lock Premium Quality, all as specified complete all as specified.	32.00	Each		-
25	Supply and fix, fillets not exceeding 12.90 sqcm sectional area of 1st Class softwood (Deodar) wrought and fixed with screws incl 3 x coats of Syenthic Enamel Paint complete all as specified.	352.94	Metre		-
26	Termite proofing of wooden joinery , with approved chemical complete all as specified.	80.13	Sqm		-
27	Supply and fix, Floor / Sink Floor Cabinet, 600 mm wide and 862 mm high with First Class Soft wood (Deodar) frame, 19 mm thick Teak Veneered board shutter, drawers including all necessary Chromium plated (CP) mongery, RCC slab, 25 mm thick white / coloured marble slab, complete as per Specified.	7.92	Mtr		-
28	Supply and fix, Wall Cabinet 381mm wide and 610 mm high, 19 mm thick Teak Veneered board shutter complete including all necessary CP monger, fixture and deodar wood edging provided to door cabinets.	5.79	Mtr		-

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Ser	Description	Qty	Unit	Rate	Amount	
29	Supply and fix, Kitchen Exhaust Hood made of Teak Veneered board with 22BG, PGI sheet fixed on inner side complete as per Information Sheet IS Arch No 17, 18 and 19, including all fitting / fixture as specified.	1.07	Mtr		-	
30	Providing and laying PCC 1:2:4 screeding at top of roof, complete all as specified.	28.88	Cum		-	
B- Total Amount For Super Structure					Rs	-
Steel Gd-60 & 40						
1	Supply and fix bars round, using deformed bars grade - 40 including cutting, bending, binding and placing reinforcement in position.	9623.45	Kg		-	
2	Supply and fix bars round, using deformed bars grade - 60 including cutting, bending, binding and placing reinforcement in position.	4381.58	Kg		-	
C- Total Amount for Steel					Rs	-
Grand Total Amount for Civil Works (A~C)					Rs	-

Summary Of Plumbing Works

CONSTRUCTION OF G I K HOSTEL

<u>Ser</u>	<u>Description</u>	<u>Amount (Rs)</u>
1	SEWERAGE & SAINTARY WORK	-
Total Amount: (Rs)		-

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SEWERAGE & SAINTARY WORK

Ser	Description	Qty	Unit	Rate	Amount
Internal Sewerage Work					
1	Supply and fix uPVC Soil and waste pipe 75mm bore (outside dia) complete with plain end and solvent cement joint complete all a specified.	56.39	Metre		-
2	Supply and fix 75mm dia socket complete with solvent cement joint complete all a specified.	14.00	Each		-
3	Supply and fix 75mm dia uPVC Elbow/bend 90 ⁰ complete with solvent cement joint and rubber ring complete all as specified.	14.00	Each		-
4	Supply and fix uPVC Access/door tee 75mm dia complete with solvent cement joint all as specified	7.00	Each		-
5	Supply and fix uPVC Soil and waste pipe 110mm bore (outside dia) complete with plain end and solvent cement joint complete all a specified.	59.13	Metre		-
6	Supply and fix 110mm dia socket complete with solvent cement joint complete all a specified.	15.00	Each		-
7	Supply and fix 110mm dia uPVC Elbow/bend 90 ⁰ complete with solvent cement joint and rubber ring complete all as specified.	6.00	Each		-
8	Supply and fix uPVC Access/door tee 110mm dia complete with solvent cement joint all as specified	6.00	Each		-
9	Supply and fix, uPVC Equal T, 110 mm dia, complete with solvent cement joint, all as specified.	4.00	Each		-
10	Supply and fix uPVC Vent pipe 50mm bore (outside dia) complete with plain end and solvent cement joint complete all as specified.	21.94	Meter		-
11	Supply and fix uPVC Vent Cowl 50mm dia on top of ventilating pipes complete all as specified.	6.00	Each		-

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SEWERAGE & SAINTARY WORK

Ser	Description	Qty	Unit	Rate	Amount
12	Providing, installing and fixing heavy duty approved quality and make uPVC AGM type or equivalent floor trap with "Faisal" make stainless steel grating including all material for fixing complete in all respect and as per specifications and directions of the Engineer.	17.00	Each		-
13	Supply and fix casted grating, chromium plated, 150mm x 150mm complete all as specified.	17.00	Each		-
14	Supply and fix bottle trap complete all as specified.	20.00	Each		-
15	Supply and fix water closet apparatus European pattern, complete (like porta design or equivalent) complete (coupled set) comprising closet, 13 litres flushing cistern glazed in white/ivory colour complete imported (China) fixed to concrete brick stone or wood work best quality	4.00	Each		-
16	Supply and Fix, WC Asiatic pattern not less than 550 mm with flushing system complete all as specified.	2.00	Each		-
17	Supply and fix vanity bowl glazed ware one hole complete with bottle trap waste coupling chian & plug etc (except mixer) best quality fixed to concrete, brick, stone and marble slab in any size shape white colour	20.00	Each		-
18	Providing, installing and testing "faisal" make Muslim shower(hand spray) of approved quality and colour for water closet complete with Wall hook/bracket, flexible pipe,etc as per specifications and directions of the Engineer.	6.00	Each		-
19	Supply and Fix Accessories bath set CP consisting of shelf, towel rail, ring, brush holder, toilet paper holder, soap dish and mirror, complete as specified.	6.00	Each		-
20	Providing and laying, 20mm thick Granite marble in colored/ Pattern, Imported, European Origin (Italy or Equivalent) polishing complete as in floors, steps, walls , Kitchen tops & around vanities etc, laid & jointed in white / coloured cement (1: 2) completer all as specified.	10.87	Sqm		-

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SEWERAGE & SAINTARY WORK

Ser	Description	Qty	Unit	Rate	Amount
21	Supply and fix mirror, any shape and pattern, 5mm thick imported edges ground complete, fixed to concrete, brick, stone, or woodwork complete all as specified.	19.32	Sqm		-
22	Supply and installation of gas geysers 25 gallon including all accessories / fittings complete in all respect	04	Nos		
External Sewerage Work					
1	Excavation & Back filling as in Hard Soil upto 1.5m depth, in foundation and pipe trenches upto 1.5 m wide in shafts, wells and independent holes upto 30 Sqm each and throw earth clear of edges of excavation within 10 m. Timbering to be paid extra (Trench over 1.5 m width will be treated as areas) complete all a specified.	19.82	Cum		-
2	Supply and fix uPVC Soil and waste pipe 160mm bore (outside dia) complete with plain end and solvent cement joint complete all a specified.	45.72	Metre		-
3	Supply and fix 160mm dia socket complete with solvent cement joint all as specified.	12.00	Each		-
4	Const of Manholes upto 8 feet depth complete all as specified.	4.00	Each		-
5	Const of Gulli Trap complete all as specified.	7.00	Each		-
6	Const of Septic Tank and OHWT (8x5) including steel, RCC, form work etc complete in all respect as specified.	1.00	Job		-
Total Amount (Rs)					-

Summary Of MEP Works

<u>Ser</u>	<u>Description</u>	<u>Amount (Rs)</u>
1	Electrical	-
2	Water Supply Works	-
Total Amount: (Rs)		-

BILL OF QUANTITIES FOR

S.No	DESCRIPTION OF ITEMS	QTY.	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	Wiring & Accessories (Cable Make: Fast, Pakistan Cable , AGE)				
1.1	Supply, installation & testing of following items, clipped to the surface or concealed in the building fabric, including all conduit & wiring accessories, as per drawings & instructions. Complete in all respect.				
	Lights and Fans Points (Cable Make: Fast, Pakistan Cable , AGE)				
a)	Wiring of light and fan point with 3x1.5 sq.mm or 3/0.029" single core PVC insulated 450/750 V grade copper wire in 25mm dia. PVC conduit surface/ concealed, Tray or duct where required, mounted including all accessories, etc; 1.0 sq.mm 3-core PVC/PVC cable in flexible PVC conduit for final connection, complete in all respects.	203	Points		0
b)	Wiring of light/ Power circuits from DB to switch board(s) with 3x1C-2.5 sq.mm or 7/0.029" PVC cables drawn in 20 mm dia PVC conduits, cable tray/duct where required, including termination & labelling at both ends.	25	Points		0
	Power Points (Cable Make: Fast, Pakistan Cable , AGE)				
c)	Wiring for power socket 15Amp circuits from DB with 3x1C-2.5 sqmm or 7/0.029" PVC cables in 25 mm dia PVC conduit, cable tray/duct where required including termination & labelling at both ends.	50	Points		0
d)	Wiring of Light socket 5 Amp with 3x1C-2.5 sq.mm PVC cables drawn in 20 mm dia PVC conduits, cable tray/duct where required, including termination & labelling at both ends.	126	Points		0
d)	Wiring of Light socket 5 Amp with 3x1C-4 sq.mm PVC cables drawn in 20 mm dia PVC conduits, cable tray/duct where required, including termination & labelling at both ends.	16	Points		0

Sub Total of Wiring & Accessories Rs. 0					
2	Supply and installation of following 10A one way gang type switches / sockets (Clipsal, Orange or equivalent) as per design drawings, complete in all respect. Incl Back Box: Supply and installation of 16 SWG sheet steel powder coated or Galvanized back box with brass earth terminal, complete in all respect. (for switch socket and switch sheet)				
a)	Two gang switch unit	2	Nos.		0
b)	Three gang switch unit	6	Nos.		0
c)	Four gang switch unit	2	Nos.		0
d)	Three gang switch unit + 1 Dimmer	1	Nos.		0
e)	Five gang switch unit + 1 Dimmer	10	Nos.		0
f)	Seven gang switch unit + 2 Dimmer	9	Nos.		0
g)	5/10A Multi-Pin switch socket unit.	134	Nos.		0
h)	15A Power socket unit.	50	Nos.		0
i)	20 A Power Socket	16	No		0
Sub Total of & Accessories Rs. 0					

3	Light (Make Philips or OSAKA) & Fan Fixtures (Make Pak Fan , Lahore, Asia)				
3.1	Installation of following fixtures including hangers, supports & all mounting / fixing accessories, complete in all respect.				
a)	Ceiling type Downlight fixture 17/18 W LED	110	Nos.		0
b)	Pendent Light	8	Job		0
c)	Wall Bracket Light 20 watt LED	52	Nos.		0
d)	Exhaust Fan 12"dia plastic body. Make: Pak fan deluxe with ceiling louver and flexible duct	9	Nos.		0
e)	Ceiling Fan 140cm , Make:Pak Fan (Energy Efficient)	23	Nos.		0
f)	Chandilier big	1	No		0
g)	Chandilier Smal	1	No		0
		Sub Total of Light & Fan Fixtures Rs.			0
4	L.V. Switchgear				
4.1	Supply, installation, testing & commissioning of following factory assembled, pre-wired distribution boards, concealed in wall 1.5 mm MS sheet steel fabricated, 120 microns powder coated, suitable for 500 volts, 3phase, 4wires, 50Hz, complete with all mounting & connecting accessories as per drawings. Make: DBs: Craft Engineering or Unique engineering / Engineer & Engineering. Breakers: Terasaki / ABB, Light / fuse: Camsco. COS: Gave. ATS :European /Japanese components				
a)	MAIN PANEL	1	Nos.		0
b)	ATS PANEL	1	Nos.		0
		Sub Total of L.V. Switchgear Rs.			0
6	Earthing System				
6.1	Providing and Installing of S&S Engineering , comprising of : 38 mm x 3 m, straight shaft Tin Electroplated copper 2 x electrode, filled with soil conditioning chemical compound. Boring 4" dia x 11 feet. Earth Conductivity Enhancement Compound – Primary Earth Conductivity Enhancement Compound – Secondary One set of brass nut / bolt size 3/8" x 1.5", washer etc.	1	Nos.		0
6.2	Providing, fixing & connecting 450 mm x 100 mm x 6 mm Earth test terminal with brass nuts/bolts & washer as per drawing	1	Nos		0
		Sub Total of Earthing System Rs.			0
		Sub Total			0