

REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI

SUMMARY OF COST

S #	SUB HEAD	TOTAL AMOUNT
	REPAIRING & RENOVATION WORK	
1	BUILDING WORK FINISHING WORK	
	Civil Work (Schedule Work) (Page No. 02 - 06)	Rs=
	Civil Work (Non-Schedule Work) (Page No. 07 - 08)	Rs=
	(A)	Rs=
2	BUILDING WORK STRUCTURAL WORK	
	Civil Work (Schedule Work) (Page No. 09 - 14)	Rs=
	Civil Work (Non-Schedule Work) (Page No. 15 - 15)	Rs=
	(B)	Rs=
3	PLUMBING	
	Civil Work (Schedule Work) (Page No. 16 - 19)	Rs=
	Civil Work (Non-Schedule Work) (Page No. 20 - 21)	Rs=
	(C)	Rs=
4	EXTERNAL DEVELOPMENT	
	Civil Work (Schedule Work) (Page No. 22 - 22)	Rs=
	Civil Work (Non-Schedule Work) (Page No. 23 - 23)	Rs=
	(D)	Rs=
5	ELECTRICAL WORK	
	Electrical Work (Schedule Work) (Page No. 24 - 25)	Rs=
	Electrical Work (Non-Schedule Work) (Page No. 26 - 27)	Rs=
	(E)	Rs=
6	GUARD ROOM	
	Cost of Guard Room (Page No. 28 - 42)	Rs=
	(F)	Rs=
7	BOUNDARY WALL	
	Civil Work (Schedule Work) (Page No. 43 - 43)	Rs=
	Civil Work (Non-Schedule Work) (Page No. 44 - 44)	Rs=
	(G)	Rs=
Total Cost of Repairing & Renovation Work (A+B+C+D+E+F+G)		Rs=

REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI
(FINISHING WORK)

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	RCC WORK Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be separately. This rate also includes all kind of forms molds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) Page No.15 Item No.6. R.C. work in roof slab, beamish columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects.				
a	Beam (Ratio 1:2:4)	3,928.00	Per Cft	337.00	1,323,736.00
b	Slab and Projection (Ratio 1:2:4)	4,200.00	Per Cft	337.00	1,415,400.00
c	Super-Structure Columns - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ⅛" to ¼" gauge	3,825.00	Per Cft	337.00	1,289,025.00
d	Lintels (Ratio 1:2:4)	400.00	Per Cft	337.00	134,800.00
e	Sunshade & Projection (Ratio 1:2:4)	350.00	Per Cft	337.00	117,950.00
f	DPC (Ratio 1:2:4)	540.00	Per Cft	337.00	181,980.00
2	BLOCK MASONRY (6" Thick) Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor Super Structure including raking out joints and curing etc. complete. (Page No.18, Item No.24)	5150.00	%Cft	15771.01	812,207.02
3	SURFACE RENDERING Cement Plaster 1:5 upto 12' height ½" thick Wall Plaster (Page No.51, Item No. 12-b)	25,950.00	%Sft	2,241.80	581,747.10
a	½" thick Ceiling Plaster (Page No.51, Item No. 12-c)	6,225.00	%Sft	2,678.50	166,736.63

REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI
(FINISHING WORK)

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
4	STEEL REINFORCEMENT Fabrication of mild steel reinforcement using Tor Bars for cement concrete including cutting, bending, laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars) Page No.16, Item No. 8-b.	675.00	Per Cwt	5,001.70	3,376,147.50
5	ALUMINUM WINDOWS Supply & fixing Deluxe Model (Bronze) in position Aluminum channels framing for sliding windows & ventilators of Alcop made with 5mm thick tinted glass glazing (Belgium) & Aluminum fly screen including handless stoppers & locking arrangement etc. complete (Page No. 107, Item No. 84b)	2,730.00	Per Sft	1,318.15	3,598,549.50
6	IRON GRILL Providing and fixing iron ½" X ½" placed at 4" including and frame of flat iron patti of ¾" X ¾" including circle shape at 1-0 apart equivalent fitted with screws are pins with painting 3 coats with 1st coat of red oxide paint etc. (Page No. 93, Item No. 30)	5,725.00	Per Sft	194.16	1,111,566.00
7	GLAZED TILE FLOORING Laying floors of approved coloured glazed tile ¼" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	28,215.00	%Sft	27,747.06	7,828,832.98
8	GLAZED TILE DADO / SKIRTING White glazed tiles ¼" thick dado jointed in white cement and lain over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Items No. 37)	3,500.00	%Sft	28,253.61	988,876.35
9	GALZED CERAMIC TILES (BATHROOM) Laying floors of approved coloured glazed tile ¼" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	1,000.00	%Sft	27,747.06	277,470.60

REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI
(FINISHING WORK)

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
10	GLAZED TILE DADO (BATHROOM) Glazed tiles dado ¼" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Items No. 38)	2,050.00	%Sft	28,299.30	580,135.65
11	MARBLE ON STAIRS STEPS Laying white marble flooring fine dressed on the surface without winding set in lime mortar 1:2 including rubbing and polishing of the joints. (¾" thick) Page No. 42, Item No. 28	750.00	%Sft	977.40	7,330.50
13	DOOR & WINDOWS First class deodar wood wrought, joinery in doors and windows etc. fixed in position including chowkats hold fast hinges, iron hooks, etc. (Page No. 57, Item No. 7b) Rate of Doors: Rs. 1,227.36 - G.I. Frame Rs. 228.90 = Door & Windows (Rs. 998.46)	820.00	Per Sft	998.46	818,737.20
14	G.I.FRAMES FOR DOOR Providing and fixing G.I. Frames / Choukhats of size 7" X 2" or 4½ X 3" for door using 20 gauge G.I. sheet including welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry of ratio 1:6 and repairing the jambs. The cost also includes all carriage tools and plants used in making and fixing. (Page No. 92, Item No. 29)	500.00	Per Rft	228.90	114,450.00
15	WOODEN ARCHITRAVE Providing and fixing with sunk iron screws wooden Architrave approved design / shape having width not less than 2½" as directed by Engineer-in-Charge. (Page No. 60, Item No. 60)	900.00	Per Rft	49.97	44,973.00
16	ENAMEL PAINT ON WOOD WORKS Preparing surface and painting of doors and windows any type (including edges) 3 Coats (page No. 68, Item No. 5-C-i+ii)	1,820.00	%Sft	2,116.41	38,518.66
21	DISTEMPERING Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	23,465.00	%Sft	1,079.65	253,339.87

REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI
(FINISHING WORK)

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
17	ENAMEL PAINT ON IRON WORKS Painting guard bars, gates iron bars gratings, railing including standard braces etc. and similar open work (3 Coats) Page No.68, Item No.4-d-ii)	10,430.00	%Sft	977.40	101,942.82
20	FALSE CELING Supplying and fixing false ceiling of plaster of paris in panels including making frame work of deodar wood including painting with soligia paint. (Page No. 63, Item No. 52)	300.00	%Sft	25,293.42	75,880.26
22	WEATHER COAT Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick / sand paper, filling the voids with chalk / plaster of paris and then painting with weather coat of approved make. (Page No.55, Item No.38-a&b)	12,000.00	%Sft	2,567.95	308,154.00
23	INTERNAL WALL PAINTING Preparing surface and painting with matt finish including rubbing the surface with bathy (silicon carbide rubbing brick) filling the voids with zink / chalk/ plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete (new surface). Page No. 54, Item No.36-b. (3 Coats)	40,000.00	%Sft	3,444.38	1,377,752.00
24	ROOF SCREEDING Providing and laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (Page No. 41, Item No 16-d)	24,000.00	%Sft	4,411.82	1,058,836.80
	Two coats of bitumen laid hot using 34 lbs for %Sft over roof and blinded with sand at one cft per %Sft. (Page No. 34, Item No. 13)	24,000.00	%Sft	1,887.40	452,976.00

REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI
(FINISHING WORK)

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
26	EXPANSION JOINTS				
	Providing and pleasing in position chip board ¾" thick for filling space between expansion joints of building. (Page No. 108, Item No. 93)	200.00	Per Sft	930.76	186,152.00
	Providing and fixing Aluminum sheet 6" to 9" with V Notch for expansion joints including fixing with nails / screws. (Page No. 108, Item No. 88)	200.00	Per Sft	207.51	41,502.00
Sub Total				Rs=	28,665,705.43
_____ above / below				Rs=	_____
Cost of Scheduled Items (Civil Work)				Rs=	_____

REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI
(FINISHING WORK)

BILL OF QUANTITIES

Non-Schedule of Items (Civil Works)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
25	C.C GOLA Providing and laying gola 3" X 3" concrete 1:2:4 using graded screened bajri at junction of slab and walls and finished with cement plater 1:4 including curing etc. complete	1,335.00	RFT		
18	DOOR LOCKS Providing and fixing with C.P brass screws Alpha knob set lock of approved design, manufacturer, and color, cutting wood to required shape and size with three operation keys (Taiwan make). Complete in all respect as per specification & instruction of the Engineer-in-Charge	27.00	each		
19	DOOR CLOSER Providing and fixing with brass screws or specially supplied screws hydraulic door closer of approved design and manufacturer, cutting wood etc to required shape and size (Japan make). Complete in all respect as per specification and instruction of the Engineer-in-Charge.	10.00	each		
12	HANDRAILING Providing, fabricating and fixing staircase railing with 2" dia S.S. 16" handrail gauge and 1½" dia balustrade and ½" dia intermediate horizontal bars etc. complete hand railing as per detail on drawing embedded properly in RCC works. Complete in all respect as per drawing, specification and instruction of the Architect / Engineer-in-Charge	150.00	Per Rft		
27	WATER STORAGE TANK OVER ROOF Construction of storage tank over roof of the required size poured and cast in RCC 1:2:4 including formwork in all walls and slabs laying 2" thick 1:4 cement concrete floor finished with neat cement slurry, ½" thick cement plaster in 1:3 cement mortar internally all using approved water proofing agent pudlo or its equivalent grade @ 5lbs/bag of cement and ¾" thick in cement plaster in 1" to 3" cement mortar externally including curing etc. 1 no. manholes opening size 18"X18" and C.L water tight Manhole cover and frame weight 40. Kg/ each with proper locking arrangement complete all as per drawing and design in all respects	1,200.00	Per Glen		
	600 X 2=1200				
Sub Total				Rs=	

**REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI
(STRUCTURAL WORK)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
28	EXCAVATION Excavation in foundation in ordinary soil of Building Bridges and other structures including dagbelling dressing, refilling around structure with excavated earth watering and ramming lead upto 5 ft. (Page No.4, Item No.18-b)	1,000.00	%0Cft	3,176.25	3,176.25
29	IMPORTED EARTH FILL Filling, watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet. (Page No.4, Item No.22)	89,380.00	%0Cft	36,300.00	3,244,494.00
a					
b	Add: extra lead 6 mile (referred from carriage of material schedule)	89,380.00	%0Cft	774.96	69,265.92
30	CC IN FOUNDATION Cement concrete plain (ratio1:4:8) including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering) (Page No.15, Item No.5-i)	2,000.00	%Cft	11,288.75	225,775.00
31	RCC WORK Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be separately. This rate also includes all kind of forms molds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) Page No.15 Item No.6. R.C. work in roof slab, beamish columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects.				

**REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI
(STRUCTURAL WORK)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
a	Plinth Beam (Ratio 1:2:4)	4,830.00	Per Cft	337.00	1,627,710.00
b	Slab and Projection (Ratio 1:2:4)	5,775.00	Per Cft	337.00	1,946,175.00
c	Super-Structure Columns - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge	4,530.00	Per Cft	337.00	1,526,610.00
d	Beam & Lintels (Ratio 1:2:4)	800.00	Per Cft	337.00	269,600.00
e	Sunshade & Projection (Ratio 1:2:4)	460.00	Per Cft	337.00	155,020.00
f	DPC (Ratio 1:2:4)	1,080.00	Per Cft	337.00	363,960.00
32	SITU 1:3:6 Cement concrete plain (ratio1:3:6) including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No.15, Item No.5h+17/19b(i))	2,000.00	%Cft	12,595.00	251,900.00
33	FORM WORK Erection and removal of centering RCC or plain cement concrete works of Partal wood (2nd Class) Horizontal (Page No.17, Item No.19-bi)	1850	% Sft	3,588.48	66,386.88
34	BLOCK MASONRY (6" Thick) Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor Super Structure including raking out joints and curing etc. complete. (Page No.18, Item No.24)	5,150.00	%Cft	15,771.01	812,207.02
35	SURFACE RENDERING Cement Plaster 1:5 upto 12' height ½" thick Wall Plaster (Page No.51, Item No. 12-b)	25,625.00	%Sft	2,241.80	574,461.25
a	¾" thick Ceiling Plaster (Page No.51, Item No. 12-c)	7,000.00	%Sft	2,678.50	187,495.00

**REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI
(STRUCTURAL WORK)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
36	GLAZED TILE FLOORING Laying floors of approved coloured glazed tile ¼" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	7,215.00	%Sft	27,747.06	2,001,950.38
37	GLAZED TILE DADO / SKIRTING White glazed tiles ¼" thick dado jointed in white cement and lain over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Items No. 37)	1,000.00	%Sft	28,253.61	282,536.10
38	STEEL REINFORCEMENT Fabrication of mild steel reinforcement using Tor Bars for cement concrete including cutting, bending, laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars) Page No.16, Item No. 8-b.	1,155.00	Per Cwt	5,001.70	5,776,963.50
39	GALZED CERAMIC TILES (BATHROOM) Laying floors of approved coloured glazed tile ¼" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	500.00	%Sft	27,747.06	138,735.30
40	GLAZED TILE DADO (BATHROOM) Glazed tiles dado ¼" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Items No. 38)	1,830.00	%Sft	28,299.30	517,877.19
41	MARBLE ON STAIRS STEPS Laying white marble flooring fine dressed on the surface without winding set in lime mortar 1:2 including rubbing and polishing of the joints. (¾" thick) Page No. 42, Item No. 28	700.00	Per Sft	567.48	397,236.00

**REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI
(STRUCTURAL WORK)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
42	G.I.FRAMES FOR DOOR Providing and fixing G.I. Frames / Choukhats of size 7" X 2" or 4½ X 3" for door using 20 gauge G.I. sheet including welded hinges and fixing at site with necessary hold fasts, filing with cement sand slurry of ratio 1:6 and repairing the jambs. The cost also includes all carriage tools and plants used in making and fixing. (Page No. 92, Item No. 29)	480.00	Per Rft	228.90	109,872.00
43	DOOR & WINDOWS First class deodar wood wrought, joinery in doors and windows etc. fixed in position including chowkats hold fast hinges, iron hooks, etc. (Page No. 57, Item No. 7b)	850.00	Per Sft	998.46	848,691.00
44	ALUMINUM WINDOWS Supply & fixing Deluxe Model (Bronze) in position Aluminum channels framing for sliding windows & ventilators of Alcop made with 5mm thick tinted glass glazing (Belgium) & Aluminum fly screen including handless stoppers & locking arrangement etc. complete (Page No. 107, Item No. 84b)	2,270.00	Per Sft	1,318.15	2,992,200.50
45	WOODEN ARCHITRAVE Providing and fixing with sunk iron screws wooden Architrave approved design / shape having width not less than 2½" as directed by Engineer-in-Charge. (Page No. 60, Item No. 60)	700.00	Per Rft	49.97	34,979.00
46	IRON GRILL Providing and fixing iron ½" X ½" placed at 4" including and frame of flat iron patti of ¾" X ¾" including circle shape at 1-0 apart equivalent fitted with screws are pins with painting 3 coats with 1st coat of red oxide paint etc. (Page No. 93, Item No. 30)	3,275.00	Per Sft	194.16	635,874.00

**REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI
(STRUCTURAL WORK)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
47	ENAMEL PAINT ON IRON WORKS Painting guard bars, gates iron bars gratings, railing including standard braces etc. and similar open work (3 Coats) Page No.68, Item No.4-d-ii)	6,325.00	%Sft	977.40	61,820.55
48	ENAMEL PAINT ON WOOD WORKS Preparing surface and painting of doors and windows any type (including edges) 3 Coats (page No. 68, Item No. 5-C-i+ii)	1,475.00	%Sft	2,116.41	31,217.05
49	FALSE CELING Supplying and fixing false ceiling of plaster of paris in panels including making frame work of deodar wood including painting with soligia paint. (Page No. 63, Item No. 52)	300.00	%Sft	25,293.42	75,880.26
50	DISTEMPERING Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	7,000.00	%Sft	1,079.65	75,575.50
51	INTERNAL WALL PAINTING Preparing surface and painting with matt finish including rubbing the surface with bathy (silicon carbide rubbing brick) filling the voids with zink / chalk/ plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete (new surface). Page No. 54, Item No.36-b. (3 Coats)	25,625.00	%Sft	3,444.38	882,622.38
52	WEATHER COAT Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick / sand paper, filling the voids with chalk / plaster of paris and then painting with weather coat of approved make. (Page No.55, Item No.38-a&b)	12,000.00	%Sft	2,567.95	308,154.00

**REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI
(STRUCTURAL WORK)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
53	ROOF SCREEDING				
a	Providing and laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (Page No. 41, Item No 16-d)	7,325.00	%Sft	4,411.82	323,165.82
b	Two coats of bitumen laid hot using 34 lbs for %Sft over roof and blinded with sand at one cft per %Sft. (Page No. 34, Item No. 13)	7,325.00	%Sft	1,887.40	138,252.05
54	EXPANSION JOINTS				
a	Providing and pleasing in position chip board ¾" thick for filling space between expansion joints of building. (Page No. 108, Item No. 93)	200.00	Per Sft	930.76	186,152.00
b	Providing and fixing Aluminum sheet 6" to 9" with V Notch for expansion joints including fixing with nails / screws. (Page No. 108, Item No. 88)	200.00	Per Sft	207.51	41,502.00
Sub Total				Rs=	27,185,492.89
_____ above / below				Rs=	_____
Cost of Scheduled Items (Civil Work)				Rs=	_____

**REPAIRING AND MAINTENANCE WORK AT AT GPI KORANGI 51-A, KARACHI
(STRUCTURAL WORK)**

BILL OF QUANTITIES

Non-Schedule of Items (Civil Works)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
55	HANDRAILING Providing, fabricating and fixing staircase railing with 2" dia S.S. 16" handrail gauge and 1½" dia balustrade and ½" dia intermediate horizontal bars etc. complete hand railing as per detail on drawing embedded properly in RCC works. Complete in all respect as per drawing, specification and instruction of the Architect / Engineer-in-Charge	150.00	Per Rft		
56	DOOR LOCKS Providing and fixing with C.P brass screws Alpha knob set lock of approved design, manufacturer, and color, cutting wood to required shape and size with three operation keys (Taiwan make). Complete in all respect as per specification & instruction of the Engineer-in-Charge	20	Each		
57	DOOR CLOSER Providing and fixing with brass screws or specially supplied screws hydraulic door closer of approved design and manufacturer, cutting wood etc to required shape and size (Japan make). Complete in all respect as per specification and instruction of the Engineer-in-Charge.	7	Each		
58	C.C GOLA Providing and laying gola 3" X 3" concrete 1:2:4 using graded screened bajri at junction of slab and walls and finished with cement plater 1:4 including curing etc. complete	775.00	RFT		
Sub Total				Rs=	

REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

(Plumbing Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
60	PAKISTANI WC Providing and fixing squatting type white glazed earthen ware W.C. Pan with front flush inlet and complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth and floor for pipe connection and making good in cement concrete 1:2:4 (foreign equivalent) with 4" dia C.I. Trap (Page No. 1, Item No. 2-a)	5	Each	5,728.80	28,644.00
61	EUROPEAN WC Providing and fixing European white glazed earthen ware wash down W.C. Pan complete with and including the cost of white / black plastic seat (best quality) and lid with c.p. brass hinges and buffers, 3 gallons white glazed earthen ware low level flushing cistern with siphon fitting 1½" dia white porcelain enamelled flush bend ¾" dia and making requisite number of holes in walls plinth and floor for pipe connections and making good in cement 1:2:4 (foreign quality) Page No. 2, Item No. 5.	4	Each	4,440.70	17,762.80
62	GULLY TRAP Providing and fixing 6" X 6" X 4" CC Gully Trap with 4" outlet complete 4" thick 1:2:4 CC for bed & ½" thick cement plaster (1:3) to the kerb, C.I. grating 6" X 6" & C.I. Cover and frame 12" X 12" (inside) etc. complete (Page No. 23, Item No. 1)	15	Each	1,193.17	17,897.55
63	NYLON CONNECTION Providing and fixing in position nylon connection complete with ½ dia brass stop cock with pair of bass nuts and lining joints and nylon connections. (CH-I, Page No. 6, Item No. 22)	12	Each	689.00	8,268.00

REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES
 (Plumbing Works)
 Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
64	LAVATORY BASIN Providing and fixing 24" X 18" lavatory basin in white glazed earthen ware complete with & including the cost of W.I. or C.I. cantilever brackets 6" built into walls painted white in two cats after a primary coat of red lead paint a pare of ½" dia rubber plug and chrome plated brass chain 1¼" dia malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4 (foreign equivalent) Page No. 3, Item No. 10.	6	Each	4,928.00	29,568.00
65	BATHROOM ACCESSORIES Supply and fixing Bathroom Accessories set (7 Piece) including towel rod, brush holder, soap tray, shelf of approved design including cost of screws, nuts etc. complete (Master Brand or as recommended by Engineer-in-Charge). Page No. 19, Item No. 23	5	Each	10,322.40	51,612.00
66	C.I. TRAP Providing and fixing C.I. trap with 4" dia inlet and 4" dia outlet of the approved self cleaning design with a C.I. grating with or without a vent arm including cas t of jointing requisite number of holes in walls, plinth and floor for pipe connection and making good cement concrete 1:2:4. (CH-I, Page NO. 6, Item No. 20)	3	Each	2,024.43	6,073.29
67	BIB COCKS Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	1	Each	3,432.00	3,432.00
68	TEE STOP COCKS Supply and fixing ½" dia concealed tee stop cock of superior quality with cp head (CH-VI-Page No. 18, Item No. 12-b)	14	Each	889.46	12,452.44

REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES
 (Plumbing Works)
 Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
69	LONG BIB COCKS Supply and fixing ½" dia long bib cock of crystal head of superior quality. Complete (CH-VI-Page No. 19, Item No. 13-b)	1	Each	1,384.24	1,384.24
70	PILLER COCK Supply and fixing swan type piller cock of superior quality with crystal head. complete (CH-VI, Page No. 19, Item No. 16-b)	1	Each	877.80	877.80
71	MUSLIM SHOWER Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	1	Each	3,432.00	3,432.00
72	STOP COCK Supply and fixing concealed tee- stop cock of superior quality with c.p. head ½" dia (Page No. 18, Item No. 12-a)	6	Each	843.92	5,063.52
73	LOOKING MIRROR Providing and fixing 24" X 18" bavelled edge mirror of Belgium glass complete with ⅝" thick hard. (Superior Quality) CH-II-Page No. 7, Item No. 3-b	10	Each	2,376.00	23,760.00
74	WAHING BASIN MIXTURE Supply and fixing wash basin mixture of superior quality with C.P Head 1/2" dia (Page No. 19, Item No. 14-b)	6	Each	2,376.00	14,256.00
75	TOWEL RAIL Providing and fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long c.p.brass screws. (CH-II, Page No. 7, Item No. 1-III-b)	1	Each	972.95	972.95
76	HANDLE VALVE Providing and fixing handle valves (china) with wheels, threaded or flanged ends with rubber washers (standard pattern)				
a	CH-VI-Page No. 17, Item No. 5-ii	1	Each	271.92	271.92
b	CH-VI-Page No. 17, Item No. 5-iii	1	Each	365.42	365.42

REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

(Plumbing Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
77	MANHOLE (TYPE A SMALL) Constructing manhole or inspectoin chamber for the required diameter of circular sewer and 3'-6" (1067 mm) dept with walls of BB in cement sand mortar 1:3 cement plastered 1:3, ½" thick inside of walls and 1" thick over benching and channel including fixing C.I.Mahole cover with frame of clear opening 1-½' X 1-½' of 1.75 cwt. (88.9 kg) embaded in plain CC 1:2:4 and fixing "" dia MS steps 6" wide projecting 4" from the face of wall at 12" CC duly painted etc. complete as per standard specifications and drawing. (4" to 12" dia 2' X 2' X 3'-6") Page No. CH-II, Page No. 46, Item No. P-a.	10	Each	14,748.00	147,480.00
Sub Total				Rs=	373,573.93
_____ above / below				Rs=	
Cost of Scheduled Items (Civil Work)				Rs=	

REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
78	DOUBLE BIB COCK Providing and fixing chrome plated Muslim Double-Bib-Cock with Muslim Shower of (Master Make best quality). Complete in all respect as per instructions of Architect / Engineer-in-charge	4	Each		
79	PPRC Providing and fixing PPRC Pipes and specials, etc.; including fixing, cutting and fitting, complete with and including the cost of cutting trench upto 2'-6" feet deep, refilling watering, ramming and disposal of surplus earth within one chain and painting 2 coats of bitumen paint to pipes and specials after cleaning and hessian cloth soaked in maxphalt composition wrapped tightly round the pipes and testing to a pressure head of 200 feet and cartage within 10 miles (16.09 km).				
a	Do. Do ½ inch (12 mm) Dia Pipe.	250.00	Rft		
b	Do. Do ¾ inch (20 mm) Dia Pipe.	150.00	Rft		
c	Do. Do 1 inch (25 mm) Dia Pipe.	200.00	Rft		
d	Do. Do 1¼ inch (32mm) Dia Pipe	150.00	Rft		
80	U.P.V.C FOR DRAIN Providing and fixing Un Ployvinyl Chloride Pipe (P.V.C) "B" Class and tee, Bend & Elbow Specials etc. including cutting and fitting, complete with and including the cost of trench up to 1-1½ feet deep refilling, watering , ramming and disposal of surplus earth within one chain and after cleaning the pipe and cartage within 10 miles (working pressure 12/kg/cm ²)		Rft		
81	NON RETURN VALVE Providing & fixing 1½" dia non return valve. Complete in all respec as per instructions of the Engineer-in-charge	1	Each		

REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
82	U.P.V.C Providing and fixing Un Ployvinyl Chloride Pipe (P.V.C) "E" Class and tee, Bend & Elbow Specials etc. including cutting and fitting, complete with and including the cost of trench up to 1-1½ feet deep refilling, watering , ramming and disposal of surplus earth within one chain and after cleaning the pipe and cartage within 10 miles (working pressure 12/kg/cm ²)				
a)	Do. Do 3 inch (75 mm) Dia Pipe.	200.00	P.Rft		
b)	Do. Do 4 inch (100 mm) Dia Pipe.	350.00	P.Rft		
c)	Do. Do 6 inch (150 mm) Dia Pipe.	450.00	P.Rft		
Sub Total				Rs=	

REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI
(EXTERNAL DEVELOPMENT)

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
65	IMPORTED EARTH FILL				
a	Filling, watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet. (Page No.4, Item No.22	12,000.00	%0Cft	36,300.00	435,600.00
b	Add: extra lead 6 mile (referred from carriage of material schedule	12,000.00	%0Cft	774.96	9,299.52
66	CEMENT TILES				
	Coloured cement tiles (Pattern 12" X 12" X 1") of approved shade and pattern laid flat in 1:2 grey cement mortar over a bed ¾" thick grey cement mortar 1:2. (Page No. 46, Item No.29)	2,500.00	%Sft	9,424.84	235,621.00
67	CC IN FOUNDATION				
	Cement concrete plain (ratio1:4:8) including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No.15, Item No.5-i)	1,850.00	%Cft	11,288.75	208,841.88
68	SITU 1:3:6				
	Cement concrete plain (ratio1:3:6) including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No.15, Item No.5h+17/19b(i))	450.00	%Cft	12,595.00	56,677.50
70	FORM WORK				
	Erection and removal of centering RCC or plain cement concrete works of Partal wood (2nd Class) Horizontal (Page No.17, Item No.19-bi)	1075	% Sft	3,588.48	38,576.16
Sub Total				Rs=	984,616.06
_____ above / below				Rs=	_____
Cost of Scheduled Items (Civil Work)				Rs=	_____

REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI
(EXTERNAL DEVELOPMENT)

BILL OF QUANTITIES

Non-Schedule of Items (Civil Works)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
71	STONE SOLING Providing and laying soling stone 6" to 9" thick under floor including packing with sprawls and chips and consolidation with compactor, watering etc. complete in all respect as per instructions of the Architect / Engineer-in-Charge.	1850.00	Per Cft		
72	KERB STONE Providing and laying Road Kerb of precast cement concrete 1:2:4 (24" long 6" wide and 12" deep) using screened graded bajri, from work and its removal compacting and curing laid in cement mortar 1:4 and cement plaster 1:4 neatly finished including cost of excavation and backfilling of excavated stuff and its disposal as directed. complete in all respect as per design, specification and instruction of the Architect/ Engineer-in-Charge	200.00	Each		
Sub Total				Rs=	

REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI

(ELECTRICAL WORK)**BILL OF QUANTITIES**

(Electrical Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
61	WIRING FOR LIGHT / FAN Wiring for light or fan point with 3/.029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in wall or in columns as required.(Page No. 15, Item No. 124)	168.00	Per Point	1,130.00	189,840.00
62	WIRING FOR PLUG POINT Wiring for Plug point with 3/.029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required.(Page No. 15, Item No. 126)	75.00	Per Point	985.00	73,875.00
63	CEILING ROSE Providing and fixing bakelite ceiling rose with two terminals (Page No. 330, Item No. B-228)	10	Each	72.00	720.00
64	CEILING FAN Providing and fixing brass ceiling fan 56" i/c Fan Clamp good and best approved quality locally manufactured sweep ceiling fans complete with required down rod, blades, flexible cord PVC / PVC required to connect the fan etc. (Page No. 34, Item No. C-235)	128	Each	3,185.00	407,680.00
66	MAIN / SUB MAIN Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/044 copper conductor in 1" dia PVC conduit on surface. (Page No. 1, Item No. 5)	200.00	Per Meter	305.00	61,000.00
67	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/064 (16 mm ²) copper conductor in 1" dia PVC conduit recessed in the wall. (Page No. 2, Item No. 14)	200.00	Per Meter	641.00	128,200.00
68	Providing and fixing one way SP 5 amp switch flush type (Page No. 330, Item No. 219)	168	Each	54.00	9,072.00
69	Providing and fixing 3 pin way 5 amp plug & socket flush type (Page No. 330, Item No. 223)	75	Each	91.00	6,825.00

REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI

(ELECTRICAL WORK)**BILL OF QUANTITIES**

(Electrical Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
70	Providing and fixing 3 pin 10/15 amp plug & socket flush type (Page No. 330, Item No. 224)	10	Each	151.00	1,510.00
71	Providing and fixing circuit breaker 6,10,15,20,30,40,50,&63 amps DP (TB-55)on prepared board as required. (Page No. 31/204)	60	Each	2,456.00	147,360.00
72	Providing and fixing circuit breaker 15,20,30,40,50,60,75 & 100 amps TP (XS-100NS) on prepared board as required. (Page No. 31/207)	18	Each	9,261.00	166,698.00
Sub Total				Rs=	1,192,780.00
_____ above / below				Rs=	
Cost of Civil Work (Scheduled Items)				Rs=	

REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI

(ELECTRICAL WORK)**BILL OF QUANTITIES**

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
73	EXHAUST FAN Supply & Installation of 12" dia metal body exhaust fan including all civil works required for complete installation and including making hole for the exhaust fan in wall and making it good, all labour and materials as required Complete in all respect as per instructions of Engineer-in-Charge.	3	Each		
74	Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required. As approved by the Consultant.	30	Per Sft		
75	FAN DIMMER Providing & fixing polycarbonate flame retardant fan dimmer with plate fixed on existing board recessed in wall or column including connection as required. Complete in all respect as per instructions of Engineer-in-Charge.	128	Each		
76	FAN CLAMP BOX Providing & fixing 75 mm X 100 mm X 113 mm size (14SWG) thick recessed type fan clamp box 13 mm dia MS bar fan clamp fixed in roof at casting time as required. Complete in all respect as per instructions of Engineer-in-Charge.	65	Each		
77	LIGHTING Providing and fixing LED 18W 10" size square / round light and fixtures. Complete in all respect as per drawing, design, specification and instructions of the Engineer-in-Charge. (all lighting and fixtures should be Philips make or equivalent) Complete in all respect as per instructions of Engineer-in-Charge.	222	Each		

REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI

(ELECTRICAL WORK)**BILL OF QUANTITIES**

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
78	ELECTRIC WATER COOLER Providing and fixing of electric water cooler totally rust proof, pressure type with stainless steel body as manufactured by MECO including 3 stage water filter (mabzi or equivalent) as approved by the Engineer. (40 gln capacity)	2	Each		
79	P/F 20 amps double pole MCCB in metal board recessed in the wall / flush type including incoming and outgoing connection as required. Complete in all respect as per direction of the Engineer-in-Charge.	40	Each		
80	EARTHING SET Providing and fixing earthing set with 600 mm X 600 mm X 6 mm copper plate buried in the ground at a depth of 3.6 m or less if water come out from the ground level (with salt and charcoal, or earth chemical powder) etc., making the pit 3.6 m feet deep by excavation of all type of soil (except soft or hard rock) including fixing of 8 SWG copper wire in 13 mm GI pipe. Complete in all respect as per instructions of Engineer-in-Charge.	2	Job		
81	WALL MOUNTED SPLIT Providing & installation of split type wall mounted 1.5 tons capacity 18000 BTU / Hr Air Conditioner unit in the specified place i/c gas charging of the unit. The job includes copper piping of out door unit fitted on roof or angle iron frame making inter connection of the unit with suitable sizes of wire also piping for condensed water etc as required approved make (Imported).	2	Job		
Cost of Electrical Work				Rs=	

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

SUMMARY OF COST

S #	SUB HEAD	TOTAL AMOUNT
	GUARD ROOM	
1	Cost of Civil Work (Scheduled Items)	Rs=
2	Cost of Civil Work (NSI)	Rs= _____
	(A)	Rs= _____
3	Cost of Plumbing Work (Scheduled Items)	Rs=
4	Cost of Plumbing Work (NSI)	Rs= _____
	(B)	Rs= _____
5	Cost of Electrical Work (Scheduled Items)	Rs=
6	Cost of Electrical Work (NSI)	Rs= _____
	(C)	Rs= _____
Total Cost of Work (A+B+C)=		Rs= _____

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
4	EXCAVATION IN FOUNDATION Excavation in foundation in Ordinary Soil of Building Bridges and other structures including dagbelling dressing, refilling around structure with excavated earth watering and ramming lead upto 5 ft. (Page No. 4, Item No. 18-b)	494.00	%0Cft	3,176.25	1,569.07
5	CC 1:4:8 LEAN CONCRETE Cement concrete plain (ratio 1:4:8) including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-i)	50.00	%Cft	11,288.75	5,644.38
8	IMPORTED EARTH FILL Filling, watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet. (Page No. 4, Item No. 22)	300.00	%0Cft	3,630.00	1,089.00
10	DAMP PROOF COURSE Damp proof course 2" thick with (cement sand and shingle concrete 1:2:4) including 2 coats of asphaltic mixture. (Page No. 18, Item No. 28-b)	50.00	%Sft	3,912.85	1,956.43
11	BLOCK MASONRY (6" Thick) Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor Super Structure including raking out joints and curing etc. complete. (Page No. 18, Item No. 24)	300.00	%Cft	15,771.01	47,313.03
13	STEEL REINFORCEMENT Fabrication of mild steel reinforcement using Tor Bars for cement concrete including cutting, bending, laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars) Page No. 16, Item No. 8-b.	16.00	Per Cwt	5,001.70	80,027.20

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
12	RCC WORK Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) Page No. 15. Item No. 6-iiib R.C. work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects.	185.00	Per Cft	337.00	62,345.00
14	TERMITE PROOFING Providing anti-termite treatment by spraying / sprinkling / spreading Neptachler 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and attached perches or entrances etc. complete in all respect as per directions of the Engineer-in-Charge (Page No. 108, Item No. 92)	200.00	Per Sft	9.74	1,948.00
15	G.I.FRAMES FOR DOOR Providing and fixing G.I. Frames / Choukhats of size 7" X 2" or 4½ X 3" for door using 20 gauge G.I. sheet including welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry of ratio 1:6 and repairing the jambs. The cost also includes all carriage tools and plants used in making and fixing. (Page No. 92, Item No. 29)	50.00	Per Rft	228.90	11,445.00
16	DOOR & WINDOW First class deodar wood wrought, joinery in doors and windows etc. fixed in position including chowkats hold fasts hinges, iron tower bolts, chocks cleats handles and cords with hooks, etc. (Page No. 57, Item No. 7b) Rate of Door: Rs. 1,227.36 - G.I. Frame Rs. 228.90 = Door & Windows (Rs. 998.46)	80.00	Per Sft	998.46	79,876.80

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
17	SUB FLOORING Cement concrete plain 3" thick - ratio (1:3:6) including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h)	35.00	%Cft	12,595.00	4,408.25
18	PORCELAIN TILE Laying floor of approved with glazed / porcelain tile ¾" thick in white cement 1:2 over ¾" thick cement mortar 1:2. complete. (Page No. 42, Item No. 24)	200.00	%Sft	27,678.86	55,357.72
19	GLAZED CERAMIC TILE (BATHROOM) Laying floors of approved coloured glazed tiles ¾" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	30.00	%Sft	27,747.06	8,324.12
20	GLAZED CERAMIC DADO (BATHROOM) Glazed tile dado ¾" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 38)	150.00	%Sft	28,299.30	42,448.95
21	IRON GRILL Providing and fixing iron steel grill using solid square bars of size ½" X ½" placed at 4" including and frame of flat iron patti of ¾" X ¾" including circle shape at 1-0 apart equivalent fitted with screws are pins with painting 3 coats with 1st coat of red oxide paint etc. (Page No. 93, Item No. 30)	30.00	Per Sft	194.16	5,824.80
22	MESH P/F G.I. expanded metal ¼ - 2- gauge fixed to chowkats with ¾" deodar strips and screws. (Page No. 65, Item No. 66-A)	30.00	Per Sft	178.68	5,360.40

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
23	WOODEN ARCHITRAVE Providing and fixing with sunk iron screws wooden Architrave approved design / shape having width not less than 2½ inches as directed by Engineer-in-Charge. (Page No. 65, Item No. 60)	90.00	Per Rft	49.97	4,497.30
24 b	SURFACE RENDERING Cement Plaster 1:5 upto 12' height ¾" thick Plaster (for ceiling and wall) Page No. 51, Item No. 11-d (upto plinth level). (double layer)	800.00	%Sft	3,191.76	25,534.08
25	PRIMING COAT Priming coat of chalk distemper (Page No. 53, Item No. 22)	200.00	%Sft	442.75	885.50
26	DISTEMPERING Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	200.00	%Sft	1,079.65	2,159.30
27	INTERNAL WALL PAINTING Preparing the surface and painting with matt finish including rubbing the surface with bathy (silicon carbide rubbing brick) filling the voids with zink / chalk / plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete (new surface). Page No. 54, Item No. 36-b. (3 Coats)	500.00	%Sft	3,444.38	17,221.90
28	WEATHER COAT Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick / sand paper, filling the voids with chalk / plaster of paris and then painting with weather coat of approved make. (Page No. 55, Item No. 38-a&b)	800.00	%Sft	2,567.95	20,543.60

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
29	ENAMEL PAINT ON WOOD WORKS Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii) Priming Coat	160.00	%Sft	1,880.19	3,008.30
		160.00	%Sft	862.95	1,380.72
30	ENAMEL PAINT ON IRON WORKS Painting guard bars, gates iron bars gratings, railing including standard braces etc. and similar open work (3 Coats) Page No. 68, Item No. 4-d-ii)	160.00	%Sft	977.40	1,563.84
31	ROOF SCREEDING Providing and laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (Page No. 41, Item No. 16-d)	220.00	%Sft	4,411.82	9,706.00
a					
b	Two coats of bitumen laid hot using 34 lbs for %Sft over roof and blinded with sand at one Cft Per %Sft. (Page No. 34, Item No. 13)	220.00	%Sft	1,887.40	4,152.28
Sub Total				Rs=	505,590.96
_____ % below / above				Rs=	
Cost of Civil Work (Scheduled Items)				Rs=	

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

(Civil Works) NSI

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
32	REMOVAL OF SLABS Removing existing Precast Slab including guarders carefully any thickness at any height from guard room and disposing of the rubbish etc. from site. Cleaning the space for new construction of proposed guard room as mentioned in drawing. complete in all respect as per direction of the Engineer-in-Charge.	Lumpsum	P.Sft		
33	STONE SOLING Providing and laying soling stone 6" thick under floor including packing with spawls and chips and consolidation with compactor, watering etc. complete in all respect as per instructions of the Architect / Engineer-in-Charge.	70.00	Per Cft		
34	PRE-CAST RCC SLAB Providing and fixing pre-cast RCC Slab length 3'-0" to 4'-6" and width 1'-6" to 2'-00 including setting in position and filling the joints with cement mortar 1:4 etc. complete as per direction of the Engineer-in-Charge.	220.00	Per Sft		
35	ROOM DOOR LOCKS Providing and fixing with C.P brass screws carona, yale lock of approved design, manufacturer, and colour Japan make, cutting wood to required shape and size with three operating keys. complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.	1	Each		
Cost of Civil Work (NSI)				Rs=	

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES
 (Plumbing Works)
 Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
36	PAKISTANI WC Providing and fixing squatting type white glazed earthen ware W.C. Pan with front flush inlet and complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth and floor for pipe connection and making good in cement concrete 1:2:4 (foreign equivalent) with 4" dia C.I. Trap (Page No. 1, Item No. 2-a)	1	Each	5,728.80	5,728.80
37	GULLY TRAP Providing and fixing 6" X 6" X 4" CC Guly Trap with 4" outlet complete 4" thick 1:2:4 CC for bed & ½" thick cement plaster (1:3) to the kerb, C.I. grating 6" X 6" & C.I. Cover and frame 12" X 12" (inside) etc. complete (Page No. 23, Item No. 1)	1	Each	1,193.17	1,193.17
38	NYLON CONNECTION Providing and fixing in position nylon connection complete with ½" dia brass stop cock with pair of brass nuts and lining joints and nylon connections. (CH-I, Page No. 6, Item No. 23)	1	Each	447.15	447.15
39	LAVATORY BASIN Providing and fixing 18" X 12" lavatory basin in white glazed earthen ware complete with & including the cost of W.I. or C.I. cantilever brackets 6" built into walls painted white in two cats after a primary coat of red lead paint a pare of ½" dia rubber plug and chrome plated brass chain 1¼" dia malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4 (foreign equivalent) CH-I: Page No. 4, Item No. 14+ 3/11.	1	Each	6,790.47	6,790.47

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES
 (Plumbing Works)
 Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
40	BATHROOM ACCESSORIES Supply and fixing Bathroom Accessories set (7 Piece) including towel rod, brush holder, soap tray, shelf of approved design including cost of screws, nuts etc. complete (Master Brand or as recommended by Engineer-in-Charge). Page No. 19, Item No. 23	1	Each	10,322.40	10,322.40
41	C.I.TRAP Providing and fixing C.I. trap with 4" dia inlet and 4" dia outlet of the approved self cleaning design with a C.I. grating with or without a vent arm including cost of jointing requisite number of holes in walls, plinth and floor for pipe connection and making good cement concrete 1:2:4. (CH-I, Page NO. 6, Item No. 20)	1	Each	2,024.43	2,024.43
41	BIB COCKS Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	1	Each	3,432.00	3,432.00
42	TEE STOP COCKS Supply and fixing ½" dia concealed tee stop cock of superior quality with cp head (CH-VI-Page No. 18, Item No. 12-b)	1	Each	889.46	889.46
43	STOP COCK Supply and fixing concealed tee- stop cock of superior quality with c.p. head ½" dia (Page No. 18, Item No. 12-a)	1	Each	843.92	843.92
44	BASIN MIXTURE S/F wash basin mixture of superior quality with C.P.Head ½" dia. (Page No. 19, Item No. 14-b)	1	Each	3,179.00	3,179.00
45	MIRROR P/F 24" X 18" bavelled edge mirror of belgium glass complete with 1/8" thick hard board and c.p.screws fixed to wooden pleat. (Standard Pattern) Page No. 7, Item No. 3-a)	2	Each	1,711.60	3,423.20

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES
 (Plumbing Works)
 Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
46	RCC PIPE Providing 6" dia RCC Pipe with collars class 'B' and digging the trench to required depth and fixing imposition including cutting, fitting and jointing with maxphalt composition & cement mortar 1:1 and testing with water pressure to a head of 4 feet above the top of hte highest pipe and refilling with excavated stuff. (CH-X-Page No. 23, Item No. 2-c)	100.00	P.Rft	199.25	19,925.00
47	Providing 4" dia RCC Pipe with collars class 'B' and digging the trench to required depth and fixing imposition including cutting, fitting and jointing with maxphalt composition & cement mortar 1:1 and testing with water pressure to a head of 4 feet above the top of hte highest pipe and refilling with excavated stuff. (CH-X-Page No. 23, Item No. 2-b)	70.00	P.Rft	146.57	10,259.90
48	BORING FOR TUBE WELL Boring for tube well 125 mm (3" dia) in all water bearing soils from ground level upto 100 ft. or 30.5 meter depth including sinking and with drawing of casing pipe. (CH-II-Page No. 41, Item No. 1a)	70.00	Per Rft	160.00	11,200.00
49	FIBRE GLASS TANK Supply and fixing fibre glass tank (250 Gallons wall thickness 3.5 mm) of approved quality and design and wall thickness as specified including the cost of nuts, bolts and fixing in plateform of cement concrete 1:3:6 and making all connections for in-let and out-let & over flow pipes etc. complete. (CH-VII-Page No. 21, Item No. 3)	1	Each	21,989.61	21,989.61

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES
 (Plumbing Works)
 Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
50	MANHOLE Constructing manhole or inspectoin chamber for the required diameter of circular sewer and 3'-6" (1067 mm) dept with walls of BB in cement sand mortar 1:3 cement plastered 1:3, ½" thick inside of walls and 1" thick over benching and channel including fixing C.I.Mahole cover with frame of clear opening 1-½' X 1-½' of 1.75 cwt. (88.9 kg) embaded in plain CC 1:2:4 and fixing 4" dia MS steps 6" wide projecting 4" from the face of wall at 12" CC duly painted etc. complete as per standard specifications and drawing. (4" to 12" dia 2' X 2' X 3'-6") Page No. CH-II, Page No. 46, Item No. P-a.	1	Each	14,748.00	14,748.00
Sub Total				Rs=	116,396.51
_____ % below / above				Rs=	
Cost of Plumbing Work (Scheduled Items)				Rs=	

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
51	BIB COCK Providing and fixing 1/2 inches dia cp brass bib cocks	2	Each		
52	UPVC PIPES Providing and fixing UPVC Pipes and specials, etc.; including fixing, cutting and fitting, complete with and including the cost of cutting trench upto 2'-6" feet deep, refilling watering, ramming and disposal of surplus earth within one chain and painting 2 coats of bitumen paint to pipes and specials after cleaning and hessian cloth soaked in maxphalt composition wrapped tightly round the pipes and testing to a pressure head of 200 feet and cartage within 10 miles (16.09 km).				
a	Do. Do ½ inch (12 mm) Dia Pipe.	70.00	Rft		
b	Do. Do ¾ inch (20 mm) Dia Pipe.	60.00	Rft		
c	Do. Do 1 inch (25 mm) Dia Pipe.	40.00	Rft		
Cost of Plumbing Works				Rs=	

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

(Electrical Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
53	WIRING FOR LIGHT / FAN Wiring for light or fan point with 3/.029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required.(Page No. 15, Item No. 124)	10	Per Point	1,130.00	11,300.00
54	WIRING FOR PLUG POINT Wiring for Plug point with 3/.029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required.(Page No. 15, Item No. 125)	2	Per Point	669.00	1,338.00
55	CEILING ROSE Providing and fixing bakelite ceiling rose with two terminals (Page No. 330, Item No. B-228)	2	Each	72.00	144.00
56	CEILING FAN Providing and fixing brass ceiling fan 56" i/c Fan Clamp good and best approved quality locally manufactured sweep ceiling fans complete with required down rod, blades, flexible cord PVC / PVC required to connect the fan etc. (Page No. 34, Item No. C-235)	1	Each	3,185.00	3,185.00
57	WIRING FOR LIGHT CIRCUIT Providing & Laying (Main or Sub Main) PVC insulated with size 2-3/.036 copper conductor wire in ¾" dia PVC conduit on surface. (Page No. 1, Item No. 2)	25.00	Per Meter	139.00	3,475.00
58	MAIN / SUB MAIN Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/044 copper conductor in 1" dia PVC conduit on surface. (Page No. 1, Item No. 5)	30.00	Per Meter	305.00	9,150.00
59	SWITCHES Providing and fixing one way SP 5 amp switch flush type (Page No. 330, Item No. 219)	5	Each	54.00	270.00

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

(Electrical Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
60	SOCKET Providing and fixing 3 pin 5 amp plug & socket flush type (Page No. 330, Item No. 223)	1	Each	91.00	91.00
61	Providing and fixing 3 pin 10/15 amp plug & socket flush type (Page No. 330, Item No. 224)	2	Each	151.00	302.00
Sub Total				Rs=	29,255.00
_____ % below / above				Rs=	
Cost of Electrical Work (Scheduled Items)				Rs=	

CONSTRUCTION OF GUARD ROOM AT GPI KORANGI 51-A, KARACHI

BILL OF QUANTITIES

(Electrical Works) NSI

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
62	LIGHTING Providing and fixing TMS 240 with 2 X 36 W light and light fixtures. Complete in all respect as per drawing, design, specification and instructions of the Engineer-in-Charge. (all lighting and fixtures should be Philips make or equalvent) Complete in all respect as per instructions of Engineer-in-Charge.	6	Each		
63	CONDUIT Supply & fixing 1" dia PVC conduit with all special such as bends, socket, junction etc. recessed in the wall or columns as required. Complete in all respect as per instructions of the Engineer-in-Charge.	100	Per Rft		
64	FAN DIMMER Providing & fixing Polycarbonate flame retardant, 400 watts fan dimmer with plate fixed on die fabricated powder coated metal board recessed in wall or column including connection as required. Complete in all respect as per instructions of Engineer-in-Charge.	1	Each		
65	EXHAUST FAN Making Hole of Exhaust Fan 8" Size with cutting plaster of the wall and finish good the same as required.	1	Each		
66	Supply & Installation of 8" dia plastic body exhaust fan including all civil works required for complete installation and including all labour and materials as required. Complete in all respect as per instructions of Engineer-in-Charge.	1	Each		
67	TELEPHONE CABLE Supply, installation, connecting, testing and commissioning of 2 Pair telephone cable in already installed under floor trunking and conduit. Complete in all respect as per instructions of Engineer-in-Charge.	50.00	P/Rft		
Cost of Electrical Work (NSI)				Rs=	

**REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI
(BOUNDARY WALL)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	DISMANTLING Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (Page No. 10, Item No.20)	50.00	%Cft	5,445.00	2,722.50
	Dismantling cement concrete plain 1:3:6 (Page No 10, Item No. 19-B)	100.00	%Cft	1,306.80	1,306.80
	Dismantling cement brick masonry works in lime or cement mortar (Page No. 10, Items No. 13)	500.00	%Cft	1,285.63	6,428.15
	ENAMEL PAINT ON IRON WORKS Painting guard bars, gates iron bars gratings, railing including standard braces etc. and similar open work (3 Coats) Page No.68, Item No.4-d-ii)	580.00	%Sft	977.40	5,668.92
	ANGLE IRON FOR BARBED WIRE Providing and fixing angle iron vertical posts for barbed wire fencing of size 2" X 2" "¼" embedded in RCC masonry pillars i/c making cuts / holders @ 12" i/c fixing in pillars by chiseling and filing with cement sand mortar saprining & finishing the surface. (Page No.94, Item No.8	580.00	Per Rft	169.18	98,124.40
	BARBED WIRE Providing and fixing barbed wire fencing with 12 gauge 4 points @ 6" apart barbed wire i/c straightening and fixing in angle iron vertical posts.	5200.00	Per Rft	8.38	43,576.00
	STEEL DOOR Supplying and fixing special heave type steel doors for look - ups with angle iron frame of 2-1/2" to 2-1/2" x 3/8" size and shutter of 2" x 2" x 3/8" with 1" diameter M.S bars placed @ 4: center to center with a separate locking box having size of 12" x 12" of M.Steel Sheet embedded in masonry with proper locking arrangement as per approved designed including cost of erection of steel gate and fixing in masonry wall in cement concrete 1:2:4 etc. complete, as per instructions of Engineer Incharge. (S.I.No.27/P-93)	150.00	Per Sft	930.76	139,614.00
Sub Total				Rs=	297,440.77
_____ above / below				Rs=	
Cost of Scheduled Items (Civil Work)				Rs=	

**REPAIRING AND MAINTENANCE WORK AT GPI KORANGI 51-A, KARACHI
(BOUNDARY WALL)**

BILL OF QUANTITIES

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	PLASTER PATCHES (WALL) Plastering ¾" to 1" thick patches in cement and sand mortar 1:4 including curing and scarping old damaged portion in regular shape and removal of rubbish from the site etc. complete as per direction of Engineer-In-Charge in ground floor in two layers. (upto any height and any floor)	3000	Per Sft		
Sub Total				Rs=	