

## Repair and Maintenance Work of GMI Assu Goth, Malir Town, Karachi

### Summary of Cost

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Civil Work (Scheduled Items) (Page No. 02 - 06)	Rs=
2	Cost of Civil Work (Non-Scheduled Items) (Page No. 07 - 08)	Rs=
	<b>Sub Total of Civil Work</b>	<b>(A)</b>
3	Cost of Plumbing Work (Scheduled Items) (Page No. 09 - 12)	Rs=
4	Cost of Plumbing Work (Non-Scheduled Items) (Page No. 13 - 13)	Rs=
	<b>Sub Total of Plumbing Work</b>	<b>(B)</b>
3	Cost of Electrical Work (Scheduled Items) (Page No. 14 - 15)	Rs=
4	Cost of Electrical Work (Non-Scheduled Items) (Page No. 16 - 18)	Rs=
	<b>Sub Total of Plumbing Work</b>	<b>(C)</b>
<b>Total Cost of Work (A+B+C)=</b>		<b>Rs=</b>

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**The Director (Works & Services)**

Dated: \_\_\_\_\_

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Contractor's Signature with Stamp

Dated: \_\_\_\_\_

## Repair and Maintenance Work of GMI Assu Goth, Malir Town, Karachi

### Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<b>DISMANTLING</b> Dismantling bricks work in lime or cement mortar (Page No. 10, Item No. 13)	2,000.00	%Cft	1,285.63	25,712.60
2	<b>DISMANTLING</b> Dismantling cement concrete plain 1:2:4 (Page No. 10, Item No. 19-c)	1,000.00	%Cft	3,327.50	33,275.00
3	Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (Page No. 10, Item No. 20)	1,000.00	%Cft	5,445.00	54,450.00
4	<b>REMOVING DOORS</b> Removing doors with chowket (Page No. 12, Item No. 33-a)	60	Each	142.18	8,530.80
5	<b>SCRAPPING PAINT</b> Scrapping ordinary distemper, oil bound distemper or paint on walls. (Page No. 13, Item No 54-b)	61,200.00	%Sft	226.28	138,483.36
6	<b>REMOVAL OF PLASTER</b> Removing cement or lime plaster. (Page No. 13, Item No. 33)	5,000.00	%Sft	121.00	6,050.00
7	<b>CC PLAIN</b> Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5)				
a	Ratio 1:4:8	6,250.00	%Cft	11,288.75	705,546.88
b	Ratio 1:3:6	6,100.00	%Cft	11,288.75	688,613.75
8	<b>SITU 1:3:6</b> Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h+17/19b(i))				
	ratio (1:3:6)	2,000.00	%Cft	16,183.48	323,669.60

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(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
9	<p><b>RCC WORK</b> 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.</p> <p>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.</p> <p><b>Beam &amp; Lintels, Slab &amp; Projections, Sun Shade</b> - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.</p>	1,000.00	Per Cft	337.00	337,000.00
10	<p><b>STEEL REINFORCEMENT</b> Fabrication of mild steel reinforcement 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.</p> <p>Using Tor Bars</p>	40.00	Per Cwt	5,001.70	200,068.00
11	<p><b>BLOCK MASONRY (6" Thick)</b> 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)</p>	2,100.00	%Cft	15,771.01	331,191.21
12	<p><b>EXPANDED METAL</b> Providing and fixing G.I. expanded metal ½ - 20 gauge fixed to chowkats with ¾" deodar strips and screws. (Page No. 65, Item No. 66-a)</p>	1,500.00	Per Sft	178.68	268,020.00
13	<p><b>FINISH FLOORING</b> Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (Page No. 41, Item No. 16-c)</p>	5,000.00	%Sft	3,275.50	163,775.00

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(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
14	<b>G.I.FRAMES FOR DOOR</b> 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)	405.00	Per Rft	228.90	92,704.50
15	<b>FLUSH DOOR</b> 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)	760.00	Per Sft	998.46	758,829.60
16	<b>SURFACE RENDERING</b> Cement Plaster 1:5 upto 12' height				
a	½" thick (Page No. 51, Item No. 12-b)	6,000.00	%Sft	2,241.80	134,508.00
b	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	7,000.00	%Sft	2,678.50	187,495.00
17	<b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)	90,400.00	%Sft	442.75	400,246.00
18	<b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	29,600.00	%Sft	1,079.65	319,576.40
19	<b>INTERNAL WALL PAINTING</b> 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)	44,700.00	%Sft	3,444.38	1,539,637.86

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Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
20	<b>WEATHER COAT</b> 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)	16,100.00	%Sft	2,567.95	413,439.95
21	<b>ENAMEL PAINT ON WOOD WORKS</b> Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)	1,490.00	%Sft	2,116.41	31,534.51
a	Priming Coat	1,490.00	%Sft	862.95	12,857.96
b	Each Subsequent Coat of Paint (two coats)	1,490.00	%Sft	1,253.46	18,676.55
22	<b>ENAMEL PAINT ON IRON WORKS</b> 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)	1,520.00	%Sft	977.40	14,856.48
23	<b>IRON GRILL</b> 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)	1,750.00	Per Sft	194.16	339,780.00
24	<b>HALA TILES</b> Providing and laying HALA or pattern tiles glazed 6" X 6" X ¼" on floor or wall facing in required colour and pattern of STILE as per specification jointed in white cement and pigment over a base of 1:2 grey cement mortar ¾" thick including washing and filling of joints with slurry of white cement and pigment in desired shape with finishing, cleaning and cost of wax polish etc. complete including cutting tiles to proper profile. (Page No. 47, Item No. 61)	790.00	%Sft	47,651.56	376,447.32
25	<b>MARBLE TILE SKIRTING</b> Providing and fixing ¾" thick marble tiles of approved quality and colour and shade size 8" X 4" / 6" X 4" in dado skirting and facing removal / tucking of existing plaster surface etc. over ½" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, cleaning for old works. (Page No. 48, Item No. 68)	1,300.00	Per Sft	201.07	261,391.00

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(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
26	<b>GLAZED CERAMIC TILE (BATHROOM)</b> Laying floors of approved coloured glazed tiles ¼" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	1,500.00	%Sft	27,747.06	416,205.90
27	<b>GLAZED TILE DADO</b> Glazed tile dado ¼" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 38)	2,200.00	%Sft	28,299.30	622,584.60
28	<b>FALSE CEILING</b> 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)	1,800.00	%Sft	25,293.42	455,281.56
29	<b>STEEL DOOR</b> Making & fixing steel grated doors complete with locking arrangement angle iron frame 2" X 2" X ¾" X ¼" sq.bars 4" centre to centre. (Page No. 91, Item No. 23)	50.00	Per Sft	594.57	29,728.50
30	<b>ALUMINUM WINDOWS / VENTILATORS</b> 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. 84(b))	150.00	Per Sft	1,647.69	247,153.50
31	<b>PAVING BLOCKS</b> Providing and fixing cement paving blocks flooring having size of 197 X 97 X 80 mm of city / quddra / cobble shape with pigmented having strength between 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner / pattern and desing etc. complete (Page No. 49, Item No. 74)	2,250.00	Per Sft	248.17	558,382.50
32	<b>PRECAST JALI</b> Providing and fixing ornamental cement jali 2" thick (1:2:4) without steel. (Page No. 17, Item No. 11)	150.00	Per Sft	226.02	33,903.00
33	<b>NOTICE BOARD</b> Notice board made with cement	300.00	P.Sft	58.11	17,433.00
Sub Total				Rs=	10,567,039.89
_____ % above / below					
Cost of Civil Work (Scheduled Items)					

## Repair and Maintenance Work of GMI Assu Goth, Malir Town, Karachi

### Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
34	<p><b>TAKING OUT FITTINGS</b>            Taking out carefully of required all type of electrical and plumbing fitting and fixtures, air-conditioner with frame including G.I. Pipe, C.I Pipe, PVC Pipe and R.C.C Pipes etc. Complete in all respects including cutting of wall / plinth care and its repairing to original shape and specification stacking salvaged materials at site and disposing of unserviceable material by the Engineer-in-Charge upto any height and any floor.</p>	Lum Sump	Job		
35	<p><b>SHUTTER PANEL REPAIRING</b>            Cutting, removing and replacement of worn out door shutters pieces with new pieces of same wood and quality making good including fixing with nails, glow etc. wherever required. Complete in all respect as per instructions of the Architect / Engineer-in-Charge. (upto any height and any floor)</p>	400.00	Sft		
36	<p><b>IRON FITTING</b>            Providing and fixing iron hinges, tower bolts, cleats, handles, alldrops etc. in repairable wooden doors, windows and ventilators wherever required as per instructions of the Architect / Engineer-in-Charge.</p>	250	Nos		
37	<p><b>MARBLE TREADS / RISER</b>            Providing and laying marble tiles on stairs with proper nosing of approved quality, shade and of required size and thickness on treads and risers of steps laid in CM 1:2 over and including the base of 1" thick CC 1:4 jointing and grouting the tiles with white cement slurry or matching colour, curing, grinding, cutting, rubbing and chemical polishing etc. complete as per specifications and directions of the Architect (upto any height in any floor)</p>				
a	Treads (size of marble tiles 24" X 24" X 1" thick )	230.00	Sft		
b	Riser (size of marble tiles 24" X 6" X ½" thick)	130.00	Sft		
38	<p><b>MARBLE TILES FLOORING</b>            Providing and laying 24" X 12" X 1" thick Marble Tile flooring of approved quality, size and shade laid in cement sand mortar 1:2 including CC 1:4 base of ½" thick also jointing and grouting the tiles with white cement slurry or matching colour including rubbing, grinding, cutting, curing and chemical polishing etc. Including 3" wide border as per design. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.</p>	4,000.00	Sft		

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Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
39	<p><b>FACING TILE</b> Providing and fixing best quality approved Facing Tiles 24" X 24" of approved pattern and colour on ¾" thick cement plaster base ratio 1:4 (with matching colour slurry) upto any height. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.</p>	250.00	Sft		
40	<p><b>ROOM DOOR LOCKS</b> 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.</p>	40	Each		
41	<p><b>DOOR CLOSER</b> Providing and fixing with brass screws or specially supplied screws hydraulic door closer Rayobi, Yale or approved manufacturer Japan make, cutting wood etc to required shape and size. Complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.</p>	5	Each		
42	<p><b>PVC RAIN DOWN PIPE</b> Providing and fixing 3" dia polyving chloride rain water down pipe including tees, socket, bend and clamp bolts et, complete in all respect as per instruction by the Architect / Engineer. (DADEX or approved equivalent) upto any height and floor.</p>	200.00	Rft		
43	<p><b>REPAIRING OF EXISTING COMPOUND WALL</b> Repairing and maintenanc of existing compound wall in good condition including all work as RCC Work, brick masonry, plastering and painting etc. complete in all respect as per instructions of the Architect / Engineer-in-Charge.</p>	Lumpsum	Job		
Cost of Civil Work (Non-Schedule Items)					Rs=



## Repair and Maintenance Work of GMI Assu Goth, Malir Town, Karachi

### Bill of Quantities

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
44	<p><b>PAKISTANI WC</b> 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)</p>	12	Each	5,728.80	68,745.60
45	<p><b>EUROPEAN WC</b> 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.</p>	2	Each	4,440.70	8,881.40
46	<p><b>GULLY TRAP</b> Providing and fixing 6" X 6" X 4" CC Gully Trap with 4" outlet complete 4" thick 1:2:4 CC for bed &amp; ½" thick cement plaster (1:3) to the kerb, C.I. grating 6" X 6" &amp; C.I. Cover and frame 12" X 12" (inside) etc. complete (Page No. 23, Item No. 1)</p>	8	Each	1,193.17	9,545.36
47	<p><b>LAVATORY BASIN</b> Providing and fixing 24" X 18" lavatory basin in white glazed earthen ware complete with &amp; including the cost of W.I. or C.I. cantilever brackets 6" built into walls painted white in two coats after a primary coat of red lead paint a pair 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+ 3/11.</p>	8	Each	7,461.47	59,691.76
48	<p><b>NYLON CONNECTION</b> 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)</p>	20	Each	447.15	8,943.00

## Repair and Maintenance Work of GMI Assu Goth, Malir Town, Karachi

### Bill of Quantities

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
49	<b>BATHROOM ACCESSORIES</b> 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	6	Each	10,322.40	61,934.40
50	<b>C.I.TRAP</b> 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 cast 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)	8	Each	2,024.43	16,195.44
51	<b>BIB COCKS</b> Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	12	Each	3,432.00	41,184.00
52	<b>TEE STOP COCKS</b> Supply and fixing ½" dia concealed tee stop cock of superior quality with cp head (CH-VI-Page No. 18, Item No. 12-b)	15	Each	889.46	13,341.90
53	<b>LONG BIB COCKS</b> Supply and fixing ½" dia long bib cock of crystal head of superior quality. Complete (CH-VI-Page No. 19, Item No. 13-b)	10	Each	1,384.24	13,842.40
54	<b>PILLER COCK</b> Supply and fixing swan type piller cock of superior quality with crystal head. complete (CH-VI, Page No. 19, Item No. 16-b)	8	Each	877.80	7,022.40
55	<b>MUSLIM SHOWER</b> Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	12	Each	3,432.00	41,184.00
56	<b>STOP COCK</b> Supply and fixing concealed tee- stop cock of superior quality with c.p. head ½" dia (Page No. 18, Item No. 12-a)	10	Each	843.92	8,439.20

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### Bill of Quantities

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
57	<b>LOOKING MIRROR</b> Providing and fixing 24" X 18" bavelled edge mirror of Belgium glass complete with ½" thick hard. (Superior Quality) CH-II-Page No. 7, Item No. 3-b	6	Each	2,376.00	14,256.00
58	<b>SOAP TRAY</b> Supplying and fixing soap tray earthen ware with each CP Screws etc. complete. CH-II-Page No. 8, Item No. 5)	6	Each	497.20	2,983.20
59	<b>TOWEL RAIL</b> 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)	6	Each	972.95	5,837.70
60	<b>HANDLE VALVE</b> 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	6	Each	271.92	1,631.52
b	CH-VI-Page No. 17, Item No. 5-iii	8	Each	365.42	2,923.36
61	<b>RCC PIPE</b> Providing 6" dia RCC Pipe with collars class 'B' and digging the trenche to required depth and fixing imposition including cutting, fitting and jointingwith 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)	500.00	Rft	199.25	99,625.00
62	<b>G.I. PIPE</b> Providing G.I.Pipes, specials and clamps etc. including fixing cutting & fitting complete with and i/c the cost of breaking through walls and roof making good etc. painting two coats after cleaning the pipe etc. with white zink paint with pigment to match the colour of the buildings and testing with water to a pressure head of 200 feet and handling. (CH-IV-Page No. 12, Item No. 1)				
a	½ Ø	290.00	Rft	73.21	21,230.90
b	¾ Ø	300.00	Rft	95.79	28,737.00
c	1¼ Ø	150.00	Rft	153.19	22,978.50
63	Add extra labour for ½" dia concealed G.I.Pipe and fittings i/c making recess in the wall for pipe and making good in cement mortar etc. complete (CH-IV-Page No. 2, Item No. 1)	145.00	Rft	7.82	1,133.90

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(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
64	<p><b>MANHOLE</b> 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.</p>	12	Each	14,748.00	176,976.00
Sub Total				Rs=	737,263.94
_____ % above / below					
Cost of Plumbing Work (Scheduled Items)					

## Repair and Maintenance Work of GMI Assu Goth, Malir Town, Karachi

### Bill of Quantities

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
65	<p><b>UPVC PIPES</b> Providing and fixing un plasticized Polyvinyl Chloride Pipe (U.P.V.C) class 'B' for cold &amp; hot water with fitting tees, bends, elbows, sockets, reducing sockets, union (all specials) and clamps including fixing cutting and fitting etc. breaking through walls, beams and chase cutting etc. and making good condition. complete in all respect as per instructions of the Architect / Engineer - in - Charge. (DADEX or approved equalvent)</p>				
a	Do. Do. 3" dia pipe	150.00	Rft		
b	Do. Do. 4" dia pipe	180.00	Rft		
66	<p><b>SEPTIC TANK</b> Construction of Septic tank as per design and specification in R.C.C Structure (size 9'-0" X 5'-0" X 4'-0"). Work complete in all respect as per instructions of the Architect / Engineer-in-Charge.</p>	2	Each		
67	<p><b>CLEANING SEWERAGE LINES</b> Cleaning / desilting of manhole inspection chambers and sewerage lines and existing drainage lines including cleaning and rodding of connected sewer (Average 50'-0") per manhole removing sewage and solid waste and throwing outside as directed by the Engineer-in-Charge.</p>	Lumsum	Job		
68	<p><b>MONO BLOCK PUMPING SET</b> Providing and fixing mono block pumping set complete with ½ HP pump 2800 RPM complete with AC 220 V single phase motor on a common base plate having suction &amp; discharge 1" X 1" and 40' head as approved including excavation, cast of RC foundation in ratio 1:2:4 S.R.C fairface including supply and installation of foundation bolts and nuts etc. of required dia meter. Complete in all respect as per instructions of the Engineer-in-Charge.</p>	2	Each		
69	<p><b>MOTOR STARTER</b> Providing and fixing manual operated star delta starter suitable for AC. Single phase 50 cycle supply upto 12/25 amps trip rating on a prepared board. Complete in all respect as per instructions of the Engineer-in-Charge.</p>	1	Each		
70	<p><b>3" DIA NON RETURN VALVE</b> Providing &amp; fixing 1½" dia non return valve. Complete in all respect as per instructions of the Engineer-in-Charge.</p>	1	Each		
Cost of Plumbing Works					Rs=

## Repair and Maintenance Work of GMI Assu Goth, Malir Town, Karachi

### Bill of Quantities

(Electrical Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
71	<b>WIRING FOR LIGHT / FAN</b> Wiring for light or fan point with 3/.029 PVC insulated wire in 20 mm (3/4") channel patti on surfae as required. (Page No. 15, Item No. 129)	135.00	Per Point	910.00	122,850.00
72	<b>WIRING FOR SUB MAIN</b> Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/029 copper conductor in ¾" dia PVC conduit on surface. (Page No. 1, Item No. 3)	222.00	Per Meter	171.00	37,962.00
73	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)	135.00	Per Meter	305.00	41,175.00
74	<b>3 PIN PLUG &amp; SOCKETS</b> Providing and fixing 3 pin 5 amp plug and sockets flush type (Page No. 330, Item No. A-224)	42	Each	151.00	6,342.00
75	Providing and fixing 3 pin 10/15 amp plug and sockets flush type (Page No. 330, Item No. A-227)	20	Each	162.00	3,240.00
76	<b>WIRING FOR PLUG POINT</b> Wiring for plug point with 3/.029 PVC insulated wire in 20 mm (¾") channel patti on surface as required. (Page No. 15, Item No. 130)	45	Per Point	742.00	33,390.00
77	<b>CEILING FAN</b> Providing and fixing brass ceiling fan 56" 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-234)	30	Each	3,185.00	95,550.00
78	<b>CEILING ROSE</b> Providing and fixing bakelite ceiling rose with two terminals (Page No. 330, Item No. B-228)	190	Each	72.00	13,680.00

## Repair and Maintenance Work of GMI Assu Goth, Malir Town, Karachi

### Bill of Quantities

(Electrical Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
79	<b>MAIN CABLE</b> Providing, laying, testing and commissioning of (MAIN or SUB MAIN) PVC insulated & PVC sheathed with 4 core armoured copper conductor 600/100 volts size 50 mm <sup>2</sup> laid direct in ground. Complete as per requirements, the works also includes warning tape, brick 12" X 12" in single layer and termination on both ends placing cable marker at a distance of 20ft. Complete in all respect as per instructions of Engineer-in-Charge. (Page No. 14, Item No. 116)	146.00	Per Meter	3,910.00	570,860.00
Sub Total				Rs=	925,049.00
_____ % above / below				Rs=	
Cost of Electrical Work (Scheduled Items)				Rs=	

## Repair and Maintenance Work of GMI Assu Goth, Malir Town, Karachi

### Bill of Quantities

Non-Schedule Items (Electrical Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
80	<p><b>SWITCH BOARDS</b></p> <p>Remove existing out of order switch boards sheets and provide and fixing new switch board sheets of clasible made switch with various required wholes and fixing switch buttons and connection wherever required. Complete in all respect as per instruction by the Architect / Engineer-in-Charge.</p>	105	Nos		
81	<p><b>CIRCUIT BREAKERS</b></p> <p>Remove and replace of old various Ampere Circuit breakers with new circuit breakers of same amperes wherever required. Complete in all respect as per instruction by the Architect / Engineer-in-Charge.</p>	22	Nos		
82	<p><b>TELEPHONE SOCKET</b></p> <p>Providing &amp; fixing Polycarbonate flame retardant Telephone socket 4 contact single 2 line with fancy gang 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.</p>	5	Each		
83	<p><b>FAN DIMMER</b></p> <p>Providing &amp; 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.</p>	30	Each		
84	<p><b>LIGHTING</b></p> <p>Providing and fixing Energy Saver 24 W with complete 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)</p>	150	Each		
85	<p><b>EARTHING SET</b></p> <p>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.</p>	1	Job		



## Repair and Maintenance Work of GMI Assu Goth, Malir Town, Karachi

### Bill of Quantities

Non-Schedule Items (Electrical Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
86	<p><b>2 PAIR TELEPHONE CABLE</b>  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.</p>	120.00	Rft		
87	<p><b>DISTRIBUTION BOX</b>  Supply, installation, connecting, testing and commissioning of Distribution Boards indoor recessed to be installed as shown on drawings made of MS sheet 16 SWG with hinged door, handle catcher, earthing bar, neutral strip internal wiring from MCBs terminating on cable terminal block 2 coats of anti rust and powder coated paint of approved colour including cost of all necessary material. complete in all respect. DB's mentioned below shall have 3 phase indication lamps of colour red, yellow and blue. Incoming 1:50 amps 3 pole MCB RC:6KA, outgoing 12:10 amps SP MCB, RC:6KA, 13:20 amps SP, MCB RC: 6KA.</p>	2	Each		
88	<p><b>MAKING HOLE</b>  Making hole in the wall for 12" to 16" sweep metallic exhaust fan and fixing of holdfast, dully pilaster and making good the damage as required. complete in all respect and as required by the Engineer-in-Charge.</p>	3	Each		
89	<p><b>EXHAUST FAN</b>  Supply &amp; Installation of 12" 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.</p>	3	Each		
90	<p><b>INTERNET SOCKET</b>  Providing and fixing Internet Socket Switch Unit foreign make with board including necessary connection and recessed in the wall etc. complete in all respect as per instructions of the Architect / Engineer-in-Charge.</p>	13	Each		

## Repair and Maintenance Work of GMI Assu Goth, Malir Town, Karachi

### Bill of Quantities

Non-Schedule Items (Electrical Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
91	<b>CAT-6 CABLE</b> Providing, laying, testing and commissioning of Cat-6 cable between Computer Hub and Data outlet in 1" dia PVC conduit with all required accessories, up to the entire satisfaction of client / consultant complete in all respects.	130.00	Rft		
92	<b>INTERNET POINT</b> Providing and fixing Internet Point foreign make with board including necessary connection and recessed in the wall etc. complete as per instructions of the Engineer-in-Charge.	3	Each		
93	<b>INTERNET POINT BOX</b> Providing and fixing Internet Point Box (8 unit) foreign make with board including necessary connection and recessed in the wall etc. complete as per instructions of the Engineer-in-Charge.	3	Each		
94	<b>ELECTRIC WATER COOLER</b> Providing and fixing of electric water coolers 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-in-Charge.  Capacity 20 US gallons (MECO Model ME-30SS)	1	Each		
Cost of Electrical Work					Rs=

## Repair / Maintenance Work of GMI F.B.Area, Karachi

## Summary of Cost

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Civil Work (Scheduled Items) (Page No. 02 - 04)	Rs=
2	Cost of Civil Work (Non-Scheduled Items) (Page No. 05 - 06)	Rs=
3	Cost of Electrical Work (at lumsump basis 10% of Civil Work)	Rs=
<b>Total Cost of Work</b>		<b>Rs=</b>

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**The Director (Works & Services)**

Dated: \_\_\_\_\_

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Contractor's Signature with Stamp

Dated: \_\_\_\_\_

## Repair / Maintenance Work of GMI F.B.Area, Karachi

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<b>REMOVAL OF PLASTER</b> Removing cement or lime plaster. (Page No. 13, Item No. 33)	490.00	%Sft	121.00	592.90
2	<b>DISMANTLING TILES</b> Dismantling glazed or encaustic tiles etc. (Page No. 13, Item No. 55)	2,010.00	%Sft	786.50	15,808.65
3	<b>REMOVING DOORS</b> Removing doors with chowket (Page No. 12, Item No. 33-a)	15	Each	142.18	2,132.70
4	<b>REMOVING WINDOW / VENTILATORS</b> Removing window and sky light with with chowket (Page No. 12, Item No. 33-b)	10	Each	102.85	1,028.50
5	<b>DISMANTLING</b> Dismantling cement concrete plain 1:2:4 (Page No. 10, Item No. 19-c)	500.00	%Cft	3,327.50	16,637.50
6	<b>DOOR &amp; WINDOWS</b> 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)	300.00	Per Sft	998.46	299,538.00
7	<b>MARBLE TILE SKIRTING</b> Providing and fixing ¾" thick marble tiles of approved quality and colour and shade size 8" X 4" / 6" X 4" in dado skirting and facing removal / tucking of existing plaster surface etc. over ½" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, cleaning for old works. (Page No. 48, Item No. 68)	300.00	Per Sft	201.07	60,321.00
8	<b>SUB FLOORING</b> 3" thick - ratio (1:3:6) Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h)	480.00	%Cft	12,595.00	60,456.00

## Repair / Maintenance Work of GMI F.B.Area, Karachi

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
9	<b>GLASS PANES</b> Glazing with panes (24 oz to 26 oz.) using putty and deodar wooden 1st class fillets. (Page No. 63, Item No. 46)	450.00	Per Sft	163.90	73,755.00
10	<b>SCRAPPING OLD PAINT</b> Scrapping white wash or colour wash (Page No. 13, 54-a)	4,000.00	%Sft	75.63	3,025.20
11	<b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)	1,800.00	%Sft	442.75	7,969.50
12	<b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	1,800.00	%Sft	1,079.65	19,433.70
13	<b>INTERNAL WALL PAINTING</b> 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)	3,000.00	%Sft	3,444.38	103,331.40
14	<b>WEATHER COAT</b> 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)	2,000.00	%Sft	2,567.95	51,359.00
15	<b>ENAMEL PAINT ON WOOD WORKS</b>				
a	Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)	1,500.00	%Sft	2,116.41	31,746.15
b	Priming Coat	1,500.00	%Sft	862.95	12,944.25
c	Each Subsequent Coat of Paint (two coats)	1,500.00	%Sft	1,253.46	18,801.90
16	<b>ENAMEL PAINT ON IRON WORKS</b> 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)	2,000.00	%Sft	977.40	19,548.00

## Repair / Maintenance Work of GMI F.B.Area, Karachi

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
17	<b>WOODEN ARCHITRAVE</b> 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)	180.00	Per Rft	49.97	8,994.60
18	<b>SURFACE RENDERING</b> Cement Plaster 1:5 upto 12' height				
a	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	500.00	%Sft	2,678.50	13,392.50
b	½" thick <u>Internal Wall Plaster</u> (Page No. 51, Item No. 12-b)	500.00	%Sft	2,241.80	11,209.00
19	<b>EXPANDED METAL</b> Providing and fixing G.I. expanded metal ½ - 20 gauge fixed to chowkats with ¾" deodar strips and screws. (Page No. 65, Item No. 66-a)	300.00	Per Sft	178.68	53,604.00
20	<b>ROOF SCREEDING</b>				
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)	15,500.00	%Sft	4,411.82	683,832.10
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)	15,500.00	%Sft	1,887.40	292,547.00
Sub Total				Rs=	1,862,008.55
_____ % above / below					
Cost of Civil Work (Scheduled Items)					

## Repair / Maintenance Work of GMI F.B.Area, Karachi

## Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
23	<p><b>TAKING OUT FITTINGS</b> Taking out carefully of required all type of electrical and plumbing fitting and fixtures, air-conditioner with frame including G.I. Pipe, C.I Pipe, PVC Pipe and R.C.C Pipes etc. Complete in all respects including cutting of wall / plinth care and its repairing to original shape and specification stacking salvaged materials at site and disposing of unserviceable material by the Engineer-in-Charge upto any height and any floor.</p>	Lum Sump	Job		
24	<p><b>PLASTER PATCHES (SLAB)</b> Plastering 2" to 3" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping old damaged portion in regular shape and removal of rubbish form the site etc. complete as per direction of Engineer-in-charge in ground floor in required layers. (upto any height and any floor)</p>	300.00	Sft		
25	<p><b>PLASTER PATCHES (WALL)</b> Plastering ¾" to 1" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping old damaged portion in regular shape and removal of rubbish form the site etc. complete as per direction of Engineer-in-charge in ground floor in two layers. (upto any height and any floor)</p>	350.00	Sft		
26	<p><b>REMOVAL OF BROKEN GLASS</b> Removing the broken Glass Panes (any thickness) with iron nail and putty on wooden beading as required in any floor at any height. Complete in all respect as per direction of the Architect / Engineer-in-Charge.</p>	50.00	Sft		
27	<p><b>SHUTTER PANEL REPAIRING</b> Cutting, removing and refixing of worn out door shutters pieces with new pieces of same wood and quality making good including fixing with nails, glow etc. wherever required. Complete in all respect as per instructions of the Architect / Engineer-in-Charge. (upto any height and any floor)</p>	300.00	Sft		
28	<p><b>ROOM DOOR LOCKS</b> 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.</p>	4	Each		

## Repair / Maintenance Work of GMI F.B.Area, Karachi

### Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
29	<p><b>DOOR CLOSER</b>            Providing and fixing with brass screws or specially supplied screws hydraulic door closer Rayobi, Yale or approved manufacturer Japan make, cutting wood etc to required shape and size. Complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.</p>	2	Each		
30	<p><b>MARBLE TILES FLOORING</b>            Providing and laying 12" X 12" X ½" thick Marble Tile flooring of approved quality and shade including tile border laid over 2" thick bed of C.C. 1:2:4 base floor, setting the tiles without white cement slurry using cement and screened aggregate mix with larger grain size not exceeding 19 mm in approved pattern (total thickness 50 mm) including filling of joints using white cement and pigment (if required) in match colour of tiles etc. including grinding &amp; chemical polishing. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.</p>	2,500.00	Sft		
31	<p><b>PVC RAIN DOWN PIPE</b>            Providing and fixing 3" dia polyving chloride rain water down pipe including tees, socket, bend and clamp bolts et, complete in all respect as per instruction by the Architect / Engineer. (DADEX or approved equivalent) upto any height and floor.</p>	50.00	Rft		
32	<p><b>IRON FITTING</b>            Providing and fixing iron hinges, tower bolts, cleats, handles, alldrops etc. in repairable wooden doors, windows and ventilators wherever required as per instructions of the Architect / Engineer-in-Charge.</p>	20	Nos		
Cost of Civil Work (Non-Schedule Items)				Rs=	



## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

### Summary of Cost

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Civil Work (Scheduled Items) (Page No. 02 - 07)	Rs=
2	Cost of Civil Work (Non-Scheduled Items) (Page No. 08 - 09)	Rs=
	<b>Sub Total of Civil Work</b>	<b>(A)</b>
3	Cost of Plumbing Work (Scheduled Items) (Page No. 10 - 12)	Rs=
4	Cost of Plumbing Work (Non-Scheduled Items) (Page No. 13 - 14)	Rs=
	<b>Sub Total of Plumbing Work</b>	<b>(B)</b>
<b>Total Cost of Work (A+B) =</b>		<b>Rs=</b>

\_\_\_\_\_  
**The Director (Works & Services)**

Dated: \_\_\_\_\_

\_\_\_\_\_  
 Contractor's Signature with Stamp

Dated: \_\_\_\_\_

## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<b>DISMANTLING</b> Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (Page No. 10, Item No. 20)	1,492.00	%Cft	5,445.00	81,239.40
2	<b>PRECAST JALI</b> Providing and fixing ornamental cement jali 2" thick (1:2:4) without steel. (Page No. 17, Item No. 11)	600.00	Per Sft	226.02	135,612.00
3	<b>DAMP PROOF COURSE</b> 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)	1,651.00	%Sft	3,912.85	64,601.15
4	<b>PLINTH PROTECTION</b> Excavation in foundation 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)				
a	In Ordinary Soil	2,500.00	%0Cft	3,176.25	7,940.63
	Cement concrete plain including placing compacting, finishing and curing complete (including screining and washing at stone aggregate without shuttering (Page No. 15, Item No. 5)				
b	Ratio 1:4:8	1,000.00	%Cft	11,288.75	112,887.50
c	Ratio 1:3:6	800.00	%Cft	11,288.75	90,310.00
d	¾" thick Cement Plaster 1:4 upto 12' height. (Page No. 51, Item No. 11-c)	2,500.00	%Sft	3,015.76	75,394.00
5	<b>RCC WORK</b> 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.				
	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.				
a	<b>Plinth Beam &amp; Lintels</b> - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ¼" to ¾" gauge.	7,000.00	Per Cft	337.00	2,359,000.00

## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
b	<b>Slabs &amp; Projection</b> (6" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	6,724.00	Per Cft	337.00	2,265,988.00
c	<b>Sun Shade</b> (4" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	250.00	Per Cft	337.00	84,250.00
d	Columns Super Structure 1:1½:3	1,200.00	Per Cft	349.00	418,800.00
6	<b>STEEL REINFORCEMENT</b> Fabrication of mild steel reinforcement 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.  Using Tor Bars	875.00	Per Cwt	5,001.70	4,376,487.50
7	<b>G.I.FRAMES FOR DOOR</b> 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)	950.00	Per Rft	228.90	217,455.00
8	<b>FLUSH DOOR</b> 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)	1,114.00	Per Sft	998.46	1,112,284.44
9	<b>ALUMINUM WINDOWS / VENTILATORS</b> 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. 84(b))	1,384.00	Per Sft	1,647.69	2,280,402.96
10	<b>BLOCK MASONRY</b> (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)	5,000.00	%Cft	15,771.01	788,550.50

## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
11	Same as above item but Block Masonry thickness (4" thick)	1,000.00	%Cft	15,771.01	157,710.10
12	<b>MARBLE TILE FLOORING</b> Laying 1" thick white marble flooring fine dressed on the surface without winding set in lime mortar 1:2 including rubbing and polishing of the joints. (Page No. 42, Item No. 28-b)	12,968.00	P.Sft	628.93	8,155,964.24
13	<b>MARBLE TILE SKIRTING</b> Providing and fixing 3/8" thick marble tiles of approved quality and colour and shade size 8" X 4" / 6" X 4" in dado skirting and facing removal / tucking of existing plaster surface etc. over 1/2" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, cleaning for old works. (Page No. 48, Item No. 68)	3,000.00	Per Sft	201.07	603,210.00
14	<b>TERMITE PROOFING</b> 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)	20,000.00	Per Sft	9.74	194,800.00
15	<b>SUB FLOORING</b> 3" thick - ratio (1:3:6) Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h)	4,621.00	%Cft	12,595.00	582,014.95
16	<b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)	58,200.00	%Sft	442.75	257,680.50
17	<b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	12,968.00	%Sft	1,079.65	140,009.01
18	<b>INTERNAL WALL PAINTING</b> 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)	34,225.00	%Sft	3,444.38	1,178,839.06

## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
19	<b>WEATHER COAT</b> 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)	7,500.00	%Sft	2,567.95	192,596.25
20	<b>TEXTURE COATING</b> Preparing the surface and applying rock wall / shield (Natural wall texture) coating to provide durable curst to wall thickness between 2mm to 32 mm (3/8") with acrylic co-polymer emulsion, selected marble chips, adhesive and bactericides water resistance and fire and termite resistance (upto 20'-0" height). Page No. 55, Item No. 43)	2,200.00	%Sft	4,504.50	99,099.00
21	<b>ENAMEL PAINT ON WOOD WORKS</b>				
a	Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)	2,500.00	%Sft	2,116.41	52,910.25
b	Priming Coat	2,500.00	%Sft	862.95	21,573.75
c	Each Subsequent Coat of Paint (two coats)	2,500.00	%Sft	1,253.46	31,336.50
22	<b>FRENCH POLISH</b> French Ppolishing complete on new work (Page No. 70, Item No. 7-a)	300.00	%Sft	3,841.75	11,525.25
23	<b>ENAMEL PAINT ON IRON WORKS</b> 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)	3,100.00	%Sft	977.40	30,299.40
24	<b>FALSE CEILING</b> 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)	550.00	%Sft	25,293.42	139,113.81
25	<b>GLAZED CERAMIC TILE (BATHROOM)</b> Laying floors of approved coloured glazed tiles 3/4" thhck laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2. (Page No. 42, Item No. 25)	560.00	%Sft	27,747.06	155,383.54
26	Glazed tile dado 3/4" thick laid in pigment over 1:2 cement sand mortar 3/4" thick including finishing. (Page No. 44, Item No. 38)	2,300.00	%Sft	28,299.30	650,883.90

## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
27	<b>ROOF SCREEDING</b>				
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)	16,110.00	%Sft	4,411.82	710,744.20
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)	16,110.00	%Sft	1,887.40	304,060.14
28	<b>WOODEN ARCHITRAVE</b>				
	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)	2,100.00	Per Rft	49.97	104,937.00
29	<b>SURFACE RENDERING</b>				
	Cement Plaster 1:5 upto 12' height				
a	½" thick <u>Ceiling Plaster</u> (Page No. 51, Item No. 12-b)	12,968.00	%Sft	2,241.80	290,716.62
b	½" thick <u>Internal Wall Plaster</u> (Page No. 51, Item No. 12-b)	34,225.00	%Sft	2,241.80	767,256.05
c	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	10,731.00	%Sft	2,678.50	287,429.84
30	<b>NOTICE BOARD</b>				
	Notice board made with cement (Page No. 94, Item No. 1 (CH-18))	200.00	P.Sft	58.11	11,622.00
31	<b>EXPANSION JOINT</b>				
a	Providing and placing in position chip board ¾" thick for filling space between expansion joints of buildings. (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)	150.00	Per Rft	207.51	31,126.50
32	<b>IRON GRILL</b>				
	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)	1,510.00	Per Sft	194.16	293,181.60

## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

### Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
33	<b>EXPANDED METAL</b> Providing and fixing G.I. expanded metal $\frac{1}{8}$ - 20 gauge fixed to chowkats with $\frac{3}{4}$ " deodar strips and screws. (Page No. 65, Item No. 66-a)	1,510.00	Per Sft	178.68	269,806.80
Sub Total				Rs=	30,383,185.33
____ % above / below					
Cost of Civil Work (Scheduled Items)					

## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

## Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
34	<b>CLEARING OF SITE</b> Clearing the site by cutting, removing all shrubs, trees, upto 6 inches etc. and taking out their entire roots and filling the hollows with earth complete with dressing, consolidating and watering the filling including stacking the serviceable materials and disposal of useless material as directed cost of earth included.	Lumpsum	Job		
35	<b>STONE SOLING</b> Providing and laying soling stone 6" to 9" 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.	1,250.00	Cft		
36	<b>MARBLE TREADS / RISER</b> Providing and laying marble tiles on stairs with proper nosing of approved quality, shade and of required size and thickness on treads and risers of steps laid in CM 1:2 over and including the base of 1" thick CC 1:4 jointing and grouting the tiles with white cement slurry or matching colour, curing, grinding, cutting, rubbing and chemical polishing etc. complete as per specifications and directions of the Architect (upto any height in any floor)				
a	Treads (size of marble tiles 24" X 24" X 1" thick )	200.00	Sft		
b	Riser (size of marble tiles 24" X 6" X ½" thick)	100.00	Sft		
37	<b>FACING TILE</b> Providing and fixing best quality approved Facing Tiles 24" X 24" of approved pattern and colour on ¾" thick cement plaster base ratio 1:4 (with matching colour slurry) upto any height. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.	3,000.00	Sft		
38	<b>ROOM DOOR LOCKS</b> 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.	68	Each		



## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

### Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
39	<b>DOOR CLOSER</b> Providing and fixing with brass screws or specially supplied screws hydraulic door closer Rayobi, Yale or approved manufacturer Japan make, cutting wood etc to required shape and size. Complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.	10	Each		
40	<b>PVC RAIN DOWN PIPE</b> Providing and fixing 3" dia polyving chloride rain water down pipe including tees, socket, bend and clamp bolts et, complete in all respect as per instruction by the Architect / Engineer. (DADEX or approved equivalent) upto any height and floor.	150.00	Rft		
Cost of Civil Work (Non-Schedule Items)				Rs=	

## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

## Bill of Quantities

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
41	<p><b>PAKISTANI WC</b>            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)</p>	8	Each	5,728.80	45,830.40
42	<p><b>EUROPEAN WC</b>            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.</p>	2	Each	4,440.70	8,881.40
43	<p><b>GULLY TRAP</b>            Providing and fixing 6" X 6" X 4" CC Guly Trap with 4" outlet complete 4" thick 1:2:4 CC for bed &amp; ½" thick cement plaster (1:3) to the kerb, C.I. grating 6" X 6" &amp; C.I. Cover and frame 12" X 12" (inside) etc. complete (Page No. 23, Item No. 1)</p>	10	Each	1,193.17	11,931.70
44	<p><b>LAVATORY BASIN</b>            Providing and fixing 24" X 18" lavatory basin in white glazed earthen ware complete with &amp; 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.</p>	8	Each	4,928.00	39,424.00
45	<p><b>BATHROOM ACCESSORIES</b>            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</p>	8	Each	10,322.40	82,579.20

## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

## Bill of Quantities

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
46	<b>STEEL SINK</b> Providing and fixing steel sink sinks stainless local make complete with cast iron or wrought iron brackets 6" inches built in wall, 1½" c.p. rubber plug chrome plated brass chain 1½" c.p. brass waste with 1½" PVC waste pipe and making requisite number of holes in wall and plinth and floor for pipe connection and making good in cement concrete 1:2:4. (Page No. 6, Item No. 19-b)	2	Each	5,162.30	10,324.60
47	<b>BIB COCKS</b> Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	10	Each	3,432.00	34,320.00
48	<b>MUSLIM SHOWER</b> Supply and fixing C.P. Muslim Shower with crystal head etc. complete (Page No. 19, Item No. 19-b)	10	Each	3,432.00	34,320.00
49	<b>STOP COCK</b> Supply and fixing concealed tee- stop cock of superior quality with c.p. head ½" dia (Page No. 18, Item No. 12-a)	12	Each	843.92	10,127.04
50	<b>LOOKING MIRROR</b> Providing and fixing 24" X 18" bavelled edge mirror of Belgium glass complete with ⅝" thick hard. (Superior Quality) Page No. 7, Item No. 3-b	3	Each	2,376.00	7,128.00
51	<b>G.I.PIPES</b> Providing and laying G.I.P Pipe, specials and clamps etc. including including fixing, cutting and fitting. Complete with cost of breaking through walls and roof, making good etc. painting two coats after cleaning the pipe etc. with white zinc paint with pigment to match the colour of the building and testing with water to a pressure head of 200 ft and handling. (CH-IV-Page No. 12, Item No. 1).				
a	½" dia (CH-IV-Page No. 12, Item No. 1-i).	100.00	Rft	73.21	7,321.00
b	¾" dia (CH-IV-Page No. 12, Item No. 1-ii).	75.00	Rft	95.79	7,184.25
c	1" dia (CH-IV-Page No. 12, Item No. 1-iii).	50.00	Rft	128.55	6,427.50
d	1¼" dia (CH-IV-Page No. 12, Item No. 1-iv).	75.00	Rft	153.19	11,489.25
e	3" dia (CH-IV-Page No. 12, Item No. 1-viii).	100.00	Rft	360.17	36,017.00
f	4" dia (CH-IV-Page No. 12, Item No. 1-ix).	100.00	Rft	896.17	89,617.00

## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

## Bill of Quantities

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
52	<b>GUN METAL VALVES</b> Providing and fixing full way gun metal valves with wheels, threaded or flanged ends with rubber washers (standard pattern) Page No. 17, Item No. 4-b				
a	¾" dia	6	Each	197.12	1,182.72
b	1" dia	6	Each	260.92	1,565.52
Sub Total				Rs=	445,670.58
____ % above / below					
Cost of Plumbing Work (Scheduled Items)					

## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

### Bill of Quantities

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
53	<p><b>DOUBLE BIB COCK</b>            Providing and fixing 1/2 inch dia. Chrome plated Brass Double Bib Cocks (Master make best quality).</p>	10	Each		
54	<p><b>FLOOR TRAP</b>            Providing and fixing approved make best quality PVC Floor Trap of 100 mm dia with stainless top cover (150 mm x 150 mm) and stainless steel grating with or without a vent arm complete with and including making requisite number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4. Complete in all respect as per instructions of Engineer-in-Charge.</p>	10	Each		
55	<p><b>MANHOLE</b>            Providing manhole size 2 feet x 1-1/2 feet or (inside dimensions) x 2 feet deep as per approved design and specifications complete for 4 inches to 12 inches dia pipes up to 3 feet -11 inches depth with R.C.C. cover and frame 16 inches dia, inside thick RCC 1:2:4 slab, 8 inches thick c.c. 1:3:6 block masonry walls set in 1:3 c.m; 6 inches thick 1:3:6 C.M to all inside wall surfaces, channels and benching etc. and to top including making requisite umber of main and branch channels including the cost of excavation back filling and disposal of excavated stuff. Complete in all respect as per instructions of Engineer-in-Charge.</p>	10	Each		
56	<p><b>MONO BLOCK PUMPING SET</b>            Providing and fixing mono block pumping set complete with 2 HP pump 2900 RPM complete with AC 220 V single phase motor on a common base plate having suction &amp; discharge 1-1/2" X 1-1/2" as approved including excavation, cast of RC foundation in ratio 1:2:4 S.R.C fairface including supply and installation of foundation bolts and nuts etc. of required dia meter. Complete in all respect as per instructions of the Engineer-in-Charge.</p>	1	Each		
57	<p><b>BRAS GATE VALVE</b>            Providing &amp; fixing brass gate valve 1 1/2" dia handle type imported make. Complete in all respect as per instructions of the Engineer-in-Charge.</p>	1	Each		

## Establishment of GPI at Rehri Goth, Bin Qasim Town, Karachi (Remaining Work)

## Bill of Quantities

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
58	<b>3" DIA NON RETURN VALVE</b> Providing & fixing 1½" dia non return valve. Complete in all respect as per instructions of the Engineer-in-Charge.	1	Each		
59	<b>3" DIA NON RETURN VALVE</b> Providing & fixing 1½" dia non return valve. Complete in all respect as per instructions of the Engineer-in-Charge.	1	Each		
60	<b>ELECTRIC WATER COOLER</b> Providing and fixing of electric water coolers totally rust proof, pressure type with stainless steel body as manufactured by MECO including 3 stage water filter (mabzi or equalvent) as approved by the Engineer.  Capacity 20 US gallons (MECO Model ME-30SS)	2	Each		
Cost of Plumbing Works				Rs=	

Balance work of GPI Khuhra, District Khairpur (Phase-III)

(Ground and First Floor) Grand Summary of Cost

S #	SUB HEAD	TOTAL AMOUNT
1	(Phase-III) Balance Work of <b>Ground Floor</b> - Civil Work	Rs=
2	(Phase-III) Balance Work of <b>First Floor</b> - Civil Work	Rs=
<b>Total Cost of Balance Work</b>		Rs=

\_\_\_\_\_  
**The Director (Works & Services)**

Dated: \_\_\_\_\_

\_\_\_\_\_  
Contractor's Signature with Stamp

Dated: \_\_\_\_\_

## Construction of Polytechnic Institute at Khuhra, District Khairpur (Phase-III)

### Ground Floor Bill of Quantities (Balance Work)

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<b>REMOVAL OF PLASTER</b> Removing cement or lime plaster. (Page No. 13, Item No. 33)	2,500.00	%Sft	121.00	3,025.00
2	<b>DISMANTLING TILES</b> Dismantling glazed or encaustic tiles etc. (Page No. 13, Item No. 55)	21,000.00	%Sft	786.50	165,165.00
3	<b>REMOVING DOORS</b> Removing doors with chowket (Page No. 12, Item No. 33-a)	5	Each	142.18	710.90
4	<b>REMOVING WINDOW / VENTILATORS</b> Removing window and sky light with with chowket (Page No. 12, Item No. 33-b)	5	Each	102.85	514.25
5	<b>DISMANTLING</b> Dismantling cement concrete plain 1:2:4 (Page No. 10, Item No. 19-c)	100.00	%Cft	3,327.50	3,327.50
6	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
7	<b>PLINTH PROTECTION</b> Excavation in foundation 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)				
a	In Ordinary Soil	3,258.00	%0Cft	3,176.25	10,348.22
	Cement concrete plain including placing compacting, finishing and curing complete (including screining and washing at stone aggregate without shuttering (Page No. 15, Item No. 5)				
b	Ratio 1:4:8	1,000.00	%Cft	11,288.75	112,887.50
c	Ratio 1:3:6	600.00	%Cft	11,288.75	67,732.50
d	¾" thick Cement Plaster 1:5 upto 12' height. (Page No. 51, Item No. 12)	2,650.00	%Sft	11,288.75	299,151.88



## Construction of Polytechnic Institute at Khuhra, District Khairpur (Phase-III)

### Ground Floor Bill of Quantities (Balance Work)

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
8	<p><b>G.I.FRAMES FOR DOOR</b> 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)</p>	70.00	Per Rft	228.90	16,023.00
9	<p><b>FLUSH DOOR</b> 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)</p> <p>Rate of Door: Rs. 1,227.36 - G.I. Frame Rs. 228.90 = Door &amp; Windows (Rs. 998.46)</p>	400.00	Per Sft	998.46	399,384.00
10	<p><b>MARBLE ON STAIR STEPS</b> 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.</p>	100.00	Per Sft	567.48	56,748.00
11	<p><b>MARBLE TILE SKIRTING</b> Providing and fixing ¾" thick marble tiles of approved quality and colour and shade size 8" X 4" / 6" X 4" in dado skirting and facing removal / tucking of existing plaster surface etc. over ½" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, cleaning for old works. (Page No. 48, Item No. 68)</p>	1,400.00	Per Sft	201.07	281,498.00
12	<p><b>TERMITE PROOFING</b> 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)</p>	21,200.00	Per Sft	9.74	206,488.00
13	<p><b>SUB FLOORING</b> 3" thick - ratio (1:3:6) Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h)</p>	500.00	%Cft	12,595.00	62,975.00

## Construction of Polytechnic Institute at Khuhra, District Khairpur (Phase-III)

### Ground Floor Bill of Quantities (Balance Work)

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
14	<b>GLASS PANES</b> Glazing with panes (24 oz to 26 oz.) using putty and deodar wooden 1st class fillets. (Page No. 63, Item No. 46)	450.00	Per Sft	163.90	73,755.00
15	<b>SCRAPPING OLD PAINT</b> Scrapping white wash or colour wash (Page No. 13, 54-a)	10,100.00	%Sft	75.63	7,638.63
16	<b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)	10,100.00	%Sft	442.75	44,717.75
17	<b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	13,010.00	%Sft	1,079.65	140,462.47
18	<b>INTERNAL WALL PAINTING</b> 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)	35,100.00	%Sft	3,444.38	1,208,977.38
19	<b>WEATHER COAT</b> 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)	24,300.00	%Sft	2,567.95	624,011.85
20	<b>TEXTURE COATING</b> Preparing the surface and applying rock wall / shield (Natural wall texture) coating to provide durable curst to wall thickness between 2mm to 32 mm (¾") with acrylic co-polymer emulsion, selected marble chips, adhesive and bactericides water resistance and fire and termite resistance (upto 20'-0" height). Page No. 55, Item No. 43)	3,500.00	%Sft	4,504.50	157,657.50
21	<b>ENAMEL PAINT ON WOOD WORKS</b>				
a	Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)	4,280.00	%Sft	2,116.41	90,582.35
b	Priming Coat	4,280.00	%Sft	862.95	36,934.26
c	Each Subsequent Coat of Paint (two coats)	4,280.00	%Sft	1,253.46	53,648.09

## Construction of Polytechnic Institute at Khuhra, District Khairpur (Phase-III)

Ground Floor Bill of Quantities (Balance Work)(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
22	<b>ENAMEL PAINT ON IRON WORKS</b> 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)	4,800.00	%Sft	977.40	46,915.20
23	<b>GLAZED CERAMIC TILE (BATHROOM)</b> Laying floors of approved coloured glazed tiles ¼" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	250.00	%Sft	27,747.06	69,367.65
24	Glazed tile dado ¼" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 38)	500.00	%Sft	28,299.30	141,496.50
25	<b>WOODEN ARCHITRAVE</b> 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)	1,770.00	Per Rft	49.97	88,446.90
26	<b>SURFACE RENDERING</b> Cement Plaster 1:5 upto 12' height				
a	½" thick <u>Ceiling Plaster</u> (Page No. 51, Item No. 12-b)	2,500.00	%Sft	2,241.80	56,045.00
b	½" thick <u>Internal Wall Plaster</u> (Page No. 51, Item No. 12-b)	2,000.00	%Sft	2,241.80	44,836.00
c	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	20,000.00	%Sft	2,678.50	535,700.00
27	<b>IRON GRILL</b> 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)	1,810.00	Per Sft	194.16	351,429.60
28	<b>EXPANDED METAL</b> Providing and fixing G.I. expanded metal ½ - 20 gauge fixed to chowkats with ¾" deodar strips and screws. (Page No. 65, Item No. 66-a)	1,810.00	Per Sft	178.68	323,410.80
Sub Total				Rs=	5,784,734.17
_____ % above / below					
Cost of Civil Work (Scheduled Items)					

## Construction of Polytechnic Institute at Khuhra, District Khairpur (Phase-III)

### Ground Floor Bill of Quantities (Balance Work)

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
29	<p><b>FACING TILE</b>            Providing and fixing best quality approved Facing Tiles 24" X 24" of approved pattern and colour on ¾" thick cement plaster base ratio 1:4 (with matching colour slurry) upto any height. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.</p>	400.00	Sft		
30	<p><b>STONE SOLING</b>            Providing and laying soling stone 6" to 9" 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.</p>	900.00	Cft		
31	<p><b>PLASTER PATCHES (SLAB)</b>            Plastering 2" to 3" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping old damaged portion in regular shape and removal of rubbish form the site etc. complete as per direction of Engineer-in-charge in ground floor in required layers. (upto any height and any floor)</p>	1,000.00	Sft		
32	<p><b>PLASTER PATCHES (WALL)</b>            Plastering ¾" to 1" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping old damaged portion in regular shape and removal of rubbish form the site etc. complete as per direction of Engineer-in-charge in ground floor in two layers. (upto any height and any floor)</p>	1,500.00	Sft		
33	<p><b>REMOVAL OF BROKEN GLASS</b>            Removing the broken Glass Panes (any thickness) with iron nail and putty on wooden beading as required in any floor at any height. Complete in all respect as per direction of the Architect / Engineer-in-Charge.</p>	200.00	Sft		
34	<p><b>SHUTTER PANEL REPAIRING</b>            Cutting, removing and refixing of worn out door shutters pieces with new pieces of same wood and quality making good including fixing with nails, glow etc. wherever required. Complete in all respect as per instructions of the Architect / Engineer-in-Charge. (upto any height and any floor)</p>	100.00	Sft		

## Construction of Polytechnic Institute at Khuhra, District Khairpur (Phase-III)

### Ground Floor Bill of Quantities (Balance Work)

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
35	<b>ROOM DOOR LOCKS</b> 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.	10	Each		
36	<b>MARBLE TILES FLOORING</b> Providing and laying 12" X 12" X ½" thick Marble Tile flooring of approved quality and shade including tile border laid over 2" thick bed of C.C. 1:2:4 base floor, setting the tiles without white cement slurry using cement and screened aggregate mix with larger grain size not exceeding 19 mm in approved pattern (total thickness 50 mm) including filling of joints using white cement and pigment (if required) in match colour of tiles etc. including grinding & chemical polishing. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.	21,000.00	Sft		
37	<b>IRON FITTING</b> Providing and fixing iron hinges, tower bolts, cleats, handles, alldrops etc. in repairable wooden doors, windows and ventilators wherever required as per instructions of the Architect / Engineer-in-Charge.	70	Nos		
Cost of Civil Work (Non-Schedule Items)				Rs=	

Civil Work (Scheduled Items)

Rs=

Civil Work (Non-Scheduled Items)

Rs=

**Total Cost of Ground Floor - Civil Work**

Rs=

## Construction of Polytechnic Institute at Khuhra, District Khairpur (Phase-III)

Balance Work of First Floor Detailed Cost Estimate

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<p><b>RCC WORK</b> 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.</p> <p>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.</p>				
a	<b>Beam &amp; Lintels</b> - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	450.00	Per Cft	337.00	151,650.00
b	<b>Slabs &amp; Projection</b> (6" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	280.00	Per Cft	337.00	94,360.00
c	<b>Sun Shade</b> (4" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	195.00	Per Cft	337.00	65,715.00
d	Columns Super Structure 1:1½:3	195.00	Per Cft	349.00	68,055.00
2	<p><b>STEEL REINFORCEMENT</b> Fabrication of mild steel reinforcement 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.</p> <p>Using Tor Bars</p>	153.00	Per Cwt	5,001.70	765,260.10
3	<p><b>G.I.FRAMES FOR DOOR</b> 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)</p>	505.00	Per Rft	228.90	115,594.50

## Construction of Polytechnic Institute at Khuhra, District Khairpur (Phase-III)

Balance Work of First Floor Detailed Cost Estimate

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
4	<p><b>FLUSH DOOR</b> 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)</p> <p>Rate of Door: Rs. 1,227.36 - G.I. Frame Rs. 228.90 = Door &amp; Windows (Rs. 998.46)</p>	200.00	Per Sft	998.46	199,692.00
5	<p><b>MARBLE TILE SKIRTING</b> Providing and fixing ¾" thick marble tiles of approved quality and colour and shade size 8" X 4" / 6" X 4" in dado skirting and facing removal / tucking of existing plaster surface etc. over ½" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, cleaning for old works. (Page No. 48, Item No. 68)</p>	1,950.00	Per Sft	201.07	392,086.50
6	<p><b>SCRAPPING OLD PAINT</b> Scrapping white wash or colour wash (Page No. 13, 54-a)</p>	10,200.00	%Sft	75.63	7,714.26
7	<p><b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)</p>	14,800.00	%Sft	442.75	65,527.00
8	<p><b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats</p>	9,418.00	%Sft	1,079.65	101,681.44
9	<p><b>INTERNAL WALL PAINTING</b> 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)</p>	32,900.00	%Sft	3,444.38	1,133,201.02
10	<p><b>WEATHER COAT</b> 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&amp;b)</p>	11,800.00	%Sft	2,567.95	303,018.10

## Construction of Polytechnic Institute at Khuhra, District Khairpur (Phase-III)

Balance Work of First Floor Detailed Cost Estimate

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
11	<b>ENAMEL PAINT ON WOOD WORKS</b>				
a	Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)	990.00	%Sft	2,116.41	20,952.46
b	Priming Coat	990.00	%Sft	862.95	8,543.21
c	Each Subsequent Coat of Paint (two coats)	990.00	%Sft	1,253.46	12,409.25
12	<b>ENAMEL PAINT ON IRON WORKS</b>				
	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)	750.00	%Sft	977.40	7,330.50
13	<b>GLAZED CERAMIC TILE (BATHROOM)</b>				
	Laying floors of approved coloured glazed tiles ¼" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	250.00	%Sft	27,747.06	69,367.65
14	Glazed tile dado ¼" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 38)	670.00	%Sft	28,299.30	189,605.31
15	<b>ROOF SCREEDING</b>				
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)	7,000.00	%Sft	4,411.82	308,827.40
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)	7,000.00	%Sft	1,887.40	132,118.00
16	<b>WOODEN ARCHITRAVE</b>				
	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)	724.00	Per Rft	49.97	36,178.28
17	<b>FLOATING COAT</b>				
	Applying floating coat of cement 1/32" thick. (Page No. 52, Item No. 14)	41,470.00	%Sft	660.00	273,702.00
18	<b>SURFACE RENDERING</b>				
	Cement Plaster 1:5 upto 12' height				
a	½" thick <u>Ceiling Plaster</u> (Page No. 51, Item No. 12-b)	10,608.00	%Sft	2,241.80	237,810.14
b	½" thick <u>Internal Wall Plaster</u> (Page No. 51, Item No. 12-b)	25,402.00	%Sft	2,241.80	569,462.04
c	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	5,460.00	%Sft	2,678.50	146,246.10



## Construction of Polytechnic Institute at Khuhra, District Khairpur (Phase-III)

Balance Work of First Floor Detailed Cost Estimate

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
19	<b>IRON GRILL</b> 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)	770.00	Per Sft	194.16	149,503.20
20	<b>EXPANDED METAL</b> Providing and fixing G.I. expanded metal ½ - 20 gauge fixed to chowkats with ¾" deodar strips and screws. (Page No. 65, Item No. 66-a)	770.00	Per Sft	178.68	137,583.60
21	<b>ALUMINUM WINDOWS / VENTILATORS</b> Providing and fixing in position, doors, windows and ventilators of first class deodar wood frames and 1½" thick commercial ply veneer shutters of first class deodar skeleton (hollow) and commercial ply wood (3 ply) on both sides. (Page No. 57, Item No. 9)	2,500.00	Per Sft	1,227.36	3,068,400.00
Sub Total				Rs=	8,831,594.06
____ % above / below					
Cost of Civil Work (Scheduled Items)					

## Construction of Polytechnic Institute at Khuhra, District Khairpur (Phase-III)

Balance Work of First Floor Detailed Cost Estimate

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
22	<b>MARBLE TREADS / RISER</b> Providing and laying marble tiles on stairs with proper nosing of approved quality, shade and of required size and thickness on treads and risers of steps laid in CM 1:2 over and including the base of 1" thick CC 1:4 jointing and grouting the tiles with white cement slurry or matching colour, curing, grinding, cutting, rubbing and chemical polishing etc. complete as per specifications and directions of the Architect (upto any height in any floor)				
a	Treads (size of marble tiles 24" X 24" X 1" thick )	200.00	Sft		
b	Riser (size of marble tiles 24" X 6" X ½" thick)	200.00	Sft		
23	<b>PLASTER PATCHES (SLAB)</b> Plastering 2" to 3" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping 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 required layers. (upto any height and any floor)	1,250.00	Sft		
24	<b>PLASTER PATCHES (WALL)</b> Plastering ¾" to 1" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping 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)	670.00	Sft		
25	<b>ROOM DOOR LOCKS</b> 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.	16	Each		
26	<b>MARBLE TILES FLOORING</b> Providing and laying 12" X 12" X ½" thick Marble Tile flooring of approved quality and shade including tile border laid over 2" thick bed of C.C. 1:2:4 base floor, setting the tiles without white cement slurry using cement and screened aggregate mix with larger grain size not exceeding 19 mm in approved pattern (total thickness 50 mm) including filling of joints using white cement and pigment (if required) in match colour of tiles etc. including grinding & chemical polishing. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.	10,780.00	Sft		

## Construction of Polytechnic Institute at Khuhra, District Khairpur (Phase-III)

Balance Work of First Floor Detailed Cost Estimate

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
27	<b>PVC RAIN DOWN PIPE</b> Providing and fixing 3" dia polyving chloride rain water down pipe including tees, socket, bend and clamp bolts et, complete in all respect as per instruction by the Architect / Engineer. (DADEX or approved equivalent) upto any height and floor.	200.00	Rft		
Cost of Civil Work (Non-Schedule Items)				Rs=	

Civil Work (Scheduled Items)

Rs=

Civil Work (Non-Scheduled Items)

Rs=

**Total Cost of First Floor - Civil Work**

Rs=

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Summary of Cost

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Civil Work (Scheduled Items) (Page No. 02 - 06)	Rs=
2	Cost of Civil Work (Non-Scheduled Items) (Page No. 07 - 08)	Rs=
	<b>Total Cost of Civil Work</b>	<b>(A)</b>
3	Cost of Plumbing Work (Scheduled Items) (Page No. 09 - 12)	Rs=
4	Cost of Plumbing Work (Non-Scheduled Items) (Page No. 13 - 13)	Rs=
	<b>Total Cost of Plumbing Work</b>	<b>(B)</b>
5	Cost of Electrical Work (Scheduled Items) (Page No. 14 - 15)	Rs=
6	Cost of Electrical Work (Non-Scheduled Items) (Page No. 16 - 18)	Rs=
	<b>Total Cost of Electrical Work</b>	<b>(C)</b>
<b>Total Cost of Work (A+B+C)=</b>		<b>Rs=</b>

\_\_\_\_\_  
**The Director (Works & Services)**

Dated: \_\_\_\_\_

\_\_\_\_\_  
 Contractor's Signature with Stamp

Dated: \_\_\_\_\_

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<b>EXCAVATION IN FOUNDATION</b> Excavation in foundation 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)				
	In Ordinary Soil	1,200.00	%Cft	3,176.25	3,811.50
2	<b>DISMANTLING</b> Dismantling bricks work in lime or cement mortar (Page No. 10, Item No. 13)	1,000.00	%Cft	1,285.63	12,856.30
3	<b>DISMANTLING</b> Dismantling cement concrete plain 1:2:4 (Page No. 10, Item No. 19-c)	1,200.00	%Cft	3,327.50	39,930.00
4	Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (Page No. 10, Item No. 20)	300.00	%Cft	5,445.00	16,335.00
5	Dismantling stone masonry in lime or cement mortar (Page No. 9, Item No. 3)	300.00	%Cft	907.50	2,722.50
7	<b>REMOVING DOORS</b> Removing doors with chowket (Page No. 12, Item No. 33-a)	40	Each	142.18	5,687.20
8	<b>SCRAPPING PAINT</b> Scrapping ordinary distemper, oil bound distemper or paint on walls. (Page No. 13, Item No 54-b)	10,000.00	%Sft	226.28	22,628.00
9	<b>REMOVAL OF PLASTER</b> Removing cement or lime plaster. (Page No. 13, Item No. 33)	1,000.00	%Sft	121.00	1,210.00
10	<b>CC PLAIN</b> Cement concrete plain including placing compacting, finishing and curing complete (including screining and washing at stone aggregate without shuttering (Page No. 15, Item No. 5)				
a	Ratio 1:4:8	2,000.00	%Cft	11,288.75	225,775.00
b	Ratio 1:3:6	2,000.00	%Cft	11,288.75	225,775.00

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
11	<p><b>SITU 1:3:6</b> Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h+17/19b(i))</p> <p>ratio (1:3:6)</p>	600.00	%Cft	16,183.48	97,100.88
12	<p><b>RCC WORK</b> 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.</p> <p>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.</p> <p><b>Beam &amp; Lintels, Slab &amp; Projections, Sun Shade</b> - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.</p>	1,000.00	Per Cft	337.00	337,000.00
13	<p><b>BLOCK MASONRY (6" Thick)</b> 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)</p>	500.00	%Cft	15,771.01	78,855.05
14	<p><b>EXPANDED METAL</b> Providing and fixing G.I. expanded metal ½ - 20 gauge fixed to chowkats with ¾" deodar strips and screws. (Page No. 65, Item No. 66-a)</p>	1,500.00	Per Sft	178.68	268,020.00
15	<p><b>FINISH FLOORING</b> Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (Page No. 41, Item No. 16-c)</p>	10,500.00	%Sft	3,275.50	343,927.50
16	<p><b>G.I.FRAMES FOR DOOR</b> 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)</p>	200.00	Per Rft	228.90	45,780.00

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
17	<p><b>FLUSH DOOR</b> 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)</p> <p>Rate of Door: Rs. 1,227.36 - G.I. Frame Rs. 228.90 = Door &amp; Windows (Rs. 998.46)</p>	600.00	Per Sft	998.46	599,076.00
18	<p><b>SURFACE RENDERING</b> Cement Plaster 1:5 upto 12' height</p>				
a	½" thick (Page No. 51, Item No. 12-b)	500.00	%Sft	2,241.80	11,209.00
b	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	1,000.00	%Sft	2,678.50	26,785.00
19	<p><b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)</p>	15,000.00	%Sft	442.75	66,412.50
20	<p><b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats</p>	16,100.00	%Sft	1,079.65	173,823.65
21	<p><b>INTERNAL WALL PAINTING</b> 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)</p>	19,800.00	%Sft	3,444.38	681,987.24
22	<p><b>WEATHER COAT</b> 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&amp;b)</p>	15,400.00	%Sft	2,567.95	395,464.30
23	<p><b>ENAMEL PAINT ON WOOD WORKS</b> Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)</p>	1,480.00	%Sft	2,116.41	31,322.87
a	Priming Coat	1,480.00	%Sft	862.95	12,771.66
b	Each Subsequent Coat of Paint (two coats)	1,480.00	%Sft	1,253.46	18,551.21

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
24	<b>ENAMEL PAINT ON IRON WORKS</b> 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)	990.00	%Sft	977.40	9,676.26
25	<b>IRON GRILL</b> 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)	1,695.00	Per Sft	194.16	329,101.20
26	<b>HALA TILES</b> Providing and laying HALA or pattern tiles glazed 6" X 6" X ¼" on floor or wall facing in required colour and pattern of STILE as per specification jointed in white cement and pigment over a base of 1:2 grey cement mortar ¾" thick including washing and filling of joints with slurry of white cement and pigment in desired shape with finishing, cleaning and cost of wax polish etc. complete including cutting tiles to proper profile. (Page No. 47, Item No. 61)	725.00	%Sft	47,651.56	345,473.81
27	<b>MARBLE TILE SKIRTING</b> Providing and fixing ¾" thick marble tiles of approved quality and colour and shade size 8" X 4" / 6" X 4" in dado skirting and facing removal / tucking of existing plaster surface etc. over ½" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, cleaning for old works. (Page No. 48, Item No. 68)	1,110.00	Per Sft	201.07	223,187.70
28	<b>GLAZED CERAMIC TILE (BATHROOM)</b> Laying floors of approved coloured glazed tiles ¼" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	1,490.00	%Sft	27,747.06	413,431.19
29	<b>GLAZED TILE DADO</b> Glazed tile dado ¼" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 38)	1,720.00	%Sft	28,299.30	486,747.96



## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
30	<b>FALSE CEILING</b> 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)	1,720.00	%Sft	25,293.42	435,046.82
31	<b>STEEL DOOR</b> Making & fixing steel grated doors complete with locking arrangement angle iron frame 2" X 2" X ¾" X ¾" sq.bars 4" centre to center. (Page No. 91, Item No. 23)	50.00	Per Sft	594.57	29,728.50
32	<b>ALUMINUM WINDOWS / VENTILATORS</b> 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. 84(b))	120.00	Per Sft	1,647.69	197,722.80
33	<b>PAVING BLOCKS</b> Providing and fixing cement paving blocks flooring having size of 197 X 97 X 80 mm of city / quddra / cobble shape with pigmented having strength between 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner / pattern and desing etc. complete (Page No. 49, Item No. 74)	1,920.00	Per Sft	248.17	476,486.40
34	<b>PRECAST JALI</b> Providing and fixing ornamental cement jali 2" thick (1:2:4) without steel. (Page No. 17, Item No. 11)	100.00	Per Sft	226.02	22,602.00
Sub Total				Rs=	6,714,022.00
_____ % below / above on Scheduled Items					
Cost of Civil Work (Scheduled Items)					

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
35	<p><b>TAKING OUT FITTINGS</b></p> <p>Taking out carefully of required all type of electrical and plumbing fitting and fixtures, air-conditioner with frame including G.I. Pipe, C.I Pipe, PVC Pipe and R.C.C Pipes etc. Complete in all respects including cutting of wall / plinth care and its repairing to original shape and specification stacking salvaged materials at site and disposing of unserviceable material by the Engineer-in-Charge upto any height and any floor.</p>	Lum Sump	Job		
36	<p><b>SHUTTER PANEL REPAIRING</b></p> <p>Cutting, removing and replacement of worn out door shutters pieces with new pieces of same wood and quality making good including fixing with nails, glow etc. wherever required. Complete in all respect as per instructions of the Architect / Engineer-in-Charge. (upto any height and any floor)</p>	220.00	Sft		
37	<p><b>IRON FITTING</b></p> <p>Providing and fixing iron hinges, tower bolts, cleats, handles, alldrops etc. in repairable wooden doors, windows and ventilators wherever required as per instructions of the Architect / Engineer-in-Charge.</p>	400	Nos		
38	<p><b>MARBLE TILES FLOORING</b></p> <p>Providing and laying 24" X 12" X 1" thick Marble Tile flooring of approved quality, size and shade laid in cement sand mortar 1:2 including CC 1:4 base of ½" thick also jointing and grouting the tiles with white cement slurry or matching colour including rubbing, grinding, cutting, curing and chemical polishing etc. Including 3" wide border as per design. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.</p>	4,800.00	Sft		
39	<p><b>FACING TILE</b></p> <p>Providing and fixing best quality approved Facing Tiles 24" X 24" of approved pattern and colour on ¾" thick cement plaster base ratio 1:4 (with matching colour slurry) upto any height. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.</p>	200.00	Sft		

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
40	<b>ROOM DOOR LOCKS</b> 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.	17	Each		
41	<b>DOOR CLOSER</b> Providing and fixing with brass screws or specially supplied screws hydraulic door closer Rayobi, Yale or approved manufacturer Japan make, cutting wood etc to required shape and size. Complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.	5	Each		
42	<b>PVC RAIN DOWN PIPE</b> Providing and fixing 3" dia polyving chloride rain water down pipe including tees, socket, bend and clamp bolts et, complete in all respect as per instruction by the Architect / Engineer. (DADEX or approved equivalent) upto any height and floor.	150.00	Rft		
Cost of Civil Work (Non-Schedule Items)				Rs=	

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
43	<p><b>PAKISTANI WC</b> 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)</p>	8	Each	5,728.80	45,830.40
44	<p><b>EUROPEAN WC</b> 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.</p>	2	Each	4,440.70	8,881.40
45	<p><b>GULLY TRAP</b> Providing and fixing 6" X 6" X 4" CC Gully Trap with 4" outlet complete 4" thick 1:2:4 CC for bed &amp; ½" thick cement plaster (1:3) to the kerb, C.I. grating 6" X 6" &amp; C.I. Cover and frame 12" X 12" (inside) etc. complete (Page No. 23, Item No. 1)</p>	10	Each	1,193.17	11,931.70
46	<p><b>LAVATORY BASIN</b> Providing and fixing 24" X 18" lavatory basin in white glazed earthen ware complete with &amp; including the cost of W.I. or C.I. cantilever brackets 6" built into walls painted white in two coats after a primary coat of red lead paint a pair 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+ 3/11.</p>	6	Each	7,461.47	44,768.82
47	<p><b>NYLON CONNECTION</b> 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)</p>	16	Each	447.15	7,154.40

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

Detailed Cost Estimate					
48	<b>BATHROOM ACCESSORIES</b> 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	6	Each	10,322.40	61,934.40
49	<b>C.I.TRAP</b> 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)	6	Each	2,024.43	12,146.58
50	<b>BIB COCKS</b> Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	10	Each	3,432.00	34,320.00
51	<b>TEE STOP COCKS</b> Supply and fixing ½" dia concealed tee stop cock of superior quality with cp head (CH-VI-Page No. 18, Item No. 12-b)	10	Each	889.46	8,894.60
52	<b>LONG BIB COCKS</b> Supply and fixing ½" dia long bib cock of crystal head of superior quality. Complete (CH-VI-Page No. 19, Item No. 13-b)	6	Each	1,384.24	8,305.44
53	<b>PILLER COCK</b> Supply and fixing swan type piller cock of superior quality with crystal head. complete (CH-VI, Page No. 19, Item No. 16-b)	8	Each	877.80	7,022.40
54	<b>MUSLIM SHOWER</b> Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	8	Each	3,432.00	27,456.00
55	<b>STOP COCK</b> Supply and fixing concealed tee- stop cock of superior quality with c.p. head ½" dia (Page No. 18, Item No. 12-a)	5	Each	843.92	4,219.60

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
56	<b>LOOKING MIRROR</b> Providing and fixing 24" X 18" bavelled edge mirror of Belgium glass complete with ½" thick hard. (Superior Quality) CH-II-Page No. 7, Item No. 3-b	6	Each	2,376.00	14,256.00
57	<b>SOAP TRAY</b> Supplying and fixing soap tray earthen ware with each CP Screws etc. complete. CH-II-Page No. 8, Item No. 5)	6	Each	497.20	2,983.20
58	<b>TOWEL RAIL</b> 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)	4	Each	972.95	3,891.80
59	<b>HANDLE VALVE</b> 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	2	Each	271.92	543.84
b	CH-VI-Page No. 17, Item No. 5-iii	2	Each	365.42	730.84
60	<b>RCC PIPE</b> Providing 6" dia RCC Pipe with collars class 'B' and digging the trenche to required depth and fixing imposition including cutting, fitting and jointingwith 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)	310.00	Rft	199.25	61,767.50
61	<b>G.I. PIPE</b> Providing G.I.Pipes, specials and clamps etc. including fixing cutting & fitting complete with and i/c the cost of breaking through walls and roof making good etc. painting two coats after cleaning the pipe etc. with white zink paint with pigment to match the colour of the buildings and testing with water to a pressure head of 200 feet and handling. (CH-IV-Page No. 12, Item No. 1)				
a	½ Ø	220.00	Rft	73.21	16,106.20
b	¾ Ø	140.00	Rft	95.79	13,410.60
c	1¼ Ø	110.00	Rft	153.19	16,850.90

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
62	Add extra labour for ½" dia concealed G.I.Pipe and fittings i/c making recess in the wall for pipe and making good in cement mortar etc. complete (CH-IV-Page No. 2, Item No. 1)	145.00	Rft	7.82	1,133.90
63	<b>MANHOLE</b> 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=	562,020.52
_____ % below / above on Scheduled Items					
Cost of Plumbing Work (Scheduled Items)					

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
64	<p><b>UPVC PIPES</b>            Providing and fixing un plasticized Polyvinyl Chloride Pipe (U.P.V.C) class 'B' for cold &amp; hot water with fitting tees, bends, elbows, sockets, reducing sockets, union (all specials) and clamps including fixing cutting and fitting etc. breaking through walls, beams and chase cutting etc. and making good condition. complete in all respect as per instructions of the Architect / Engineer - in - Charge. (DADEX or approved equalvent)</p>				
a	Do. Do. 3" dia pipe	60.00	Rft		
b	Do. Do. 4" dia pipe	75.00	Rft		
65	<p><b>SEPTIC TANK</b>            Construction of Septic tank as per design and specification in R.C.C Structure (size 9'-0" X 5'-0" X 4'-0"). Work complete in all respect as per instructions of the Architect / Engineer-in-Charge.</p>	2	Each		
66	<p><b>DISMANTLING EXISTING DRAINAGE LINE</b>            Dismantling of existing drainage pipe lines (internal / external work) including excavation and refilling trenches after taking out the pipes, manually / by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-Charge.</p>	2	Job		
67	<p><b>MONO BLOCK PUMPING SET</b>            Providing and fixing mono block pumping set complete with ½ HP pump 2800 RPM complete with AC 220 V single phase motor on a common base plate having suction &amp; discharge 1" X 1" and 40' head as approved including excavation, cast of RC foundation in ratio 1:2:4 S.R.C fairface including supply and installation of foundation bolts and nuts etc. of required dia meter. Complete in all respect as per instructions of the Engineer-in-Charge.</p>	2	Each		
68	<p><b>MOTOR STARTER</b>            Providing and fixing manual operated star delta starter suitable for AC. Single phase 50 cycle supply upto 12/25 amps trip rating on a prepared board. Complete in all respect as per instructions of the Engineer-in-Charge.</p>	1	Each		
69	<p><b>3" DIA NON RETURN VALVE</b>            Providing &amp; fixing 1½" dia non return valve. Complete in all respect as per instructions of the Engineer-in-Charge.</p>	1	Each		
Cost of Plumbing Works					RS=



## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

(Electrical Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
82	<b>WIRING FOR LIGHT / FAN</b> Wiring for light or fan point with 3/.029 PVC insulated wire in 20 mm (3/4") channel patti on surfae as required. (Page No. 15, Item No. 129)	175.00	Per Point	910.00	159,250.00
83	<b>WIRING FOR SUB MAIN</b> Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/029 copper conductor in ¾" dia PVC conduit on surface. (Page No. 1, Item No. 3)	470.00	Per Meter	171.00	80,370.00
84	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)	135.00	Per Meter	305.00	41,175.00
85	<b>3 PIN PLUG &amp; SOCKETS</b> Providing and fixing 3 pin 5 amp plug and sockets flush type (Page No. 330, Item No. A-224)	15	Each	151.00	2,265.00
86	Providing and fixing 3 pin 10/15 amp plug and sockets flush type (Page No. 330, Item No. A-227)	20	Each	162.00	3,240.00
87	<b>WIRING FOR PLUG POINT</b> Wiring for plug point with 3/.029 PVC insulated wire in 20 mm (¾") channel patti on surface as required. (Page No. 15, Item No. 130)	45	Per Point	742.00	33,390.00
88	<b>CEILING FAN</b> Providing and fixing brass ceiling fan 56" 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-234)	50	Each	3,185.00	159,250.00
89	<b>CEILING ROSE</b> Providing and fixing bakelite ceiling rose with two terminals (Page No. 330, Item No. B-228)	289	Each	72.00	20,808.00

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

(Electrical Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
90	<b>MAIN CABLE</b> Providing, laying, testing and commissioning of (MAIN or SUB MAIN) PVC insulated & PVC sheathed with 4 core armoured copper conductor 600/100 volts size 50 mm <sup>2</sup> laid direct in ground. Complete as per requirements, the works also includes warning tape, brick 12" X 12" in single layer and termination on both ends placing cable marker at a distance of 20ft. Complete in all respect as per instructions of Engineer-in-Charge. (Page No. 14, Item No. 116)	150.00	Per Meter	3,910.00	586,500.00
Sub Total				Rs=	1,086,248.00
_____ % below / above on Scheduled Items				Rs=	
Cost of Electrical Work (Scheduled Items)				Rs=	

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

Non-Schedule Items (Electrical Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
91	<p><b>SWITCH BOARDS</b> Remove existing out of order switch boards sheets and provide and fixing new switch board sheets of clasible made switch with various required wholes and fixing switch buttons and connection wherever required. Complete in all respect as per instruction by the Architect / Engineer-in-Charge.</p>	89	Nos		
92	<p><b>CIRCUIT BREAKERS</b> Remove and replace of old various Ampere Circuit breakers with new circuit breakers of same amperes wherever required. Complete in all respect as per instruction by the Architect / Engineer-in-Charge.</p>	15	Nos		
93	<p><b>TELEPHONE SOCKET</b> Providing &amp; fixing Polycarbonate flame retardant Telephone socket 4 contact single 2 line with fancy gang 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.</p>	2	Each		
94	<p><b>FAN DIMMER</b> Providing &amp; 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.</p>	50	Each		
95	<p><b>LIGHTING</b> Providing and fixing Energy Saver 24 W with complete 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)</p>	150	Each		
96	<p><b>EARTHING SET</b> 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.</p>	1	Job		

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

Non-Schedule Items (Electrical Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
97	<p><b>2 PAIR TELEPHONE CABLE</b> 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.</p>	60.00	Rft		
98	<p><b>DISTRIBUTION BOX</b> Supply, installation, connecting, testing and commissioning of Distribution Boards indoor recessed to be installed as shown on drawings made of MS sheet 16 SWG with hinged door, handle catcher, earthing bar, neutral strip internal wiring from MCBs terminating on cable terminal block 2 coats of anti rust and powder coated paint of approved colour including cost of all necessary material. complete in all respect. DB's mentioned below shall have 3 phase indication lamps of colour red, yellow and blue. Incoming 1:50 amps 3 pole MCB RC:6KA, outgoing 12:10 amps SP MCB, RC:6KA, 13:20 amps SP, MCB RC: 6KA.</p>	2	Each		
99	<p><b>MAKING HOLE</b> Making hole in the wall for 12" to 16" sweep metallic exhaust fan and fixing of holdfast, dully pilaster and making good the damage as required. complete in all respect and as required by the Engineer-in-Charge.</p>	2	Each		
100	<p><b>EXHAUST FAN</b> Supply &amp; Installation of 12" 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.</p>	2	Each		
101	<p><b>INTERNET SOCKET</b> Providing and fixing Internet Socket Switch Unit foreign make with board including necessary connection and recessed in the wall etc. complete in all respect as per instructions of the Architect / Engineer-in-Charge.</p>	10	Each		

## Repairing and Maintenance of GPI (W) at Saudabad, Malir Karachi

### Detailed Cost Estimate

Non-Schedule Items (Electrical Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
102	<b>CAT-6 CABLE</b> Providing, laying, testing and commissioning of Cat-6 cable between Computer Hub and Data outlet in 1" dia PVC conduit with all required accessories, up to the entire satisfaction of client / consultant complete in all respects.	200.00	Rft		
103	<b>INTERNET POINT</b> Providing and fixing Internet Point foreign make with board including necessary connection and recessed in the wall etc. complete as per instructions of the Engineer-in-Charge.	2	Each		
104	<b>INTERNET POINT BOX</b> Providing and fixing Internet Point Box (8 unit) foreign make with board including necessary connection and recessed in the wall etc. complete as per instructions of the Engineer-in-Charge.	2	Each		
105	<b>ELECTRIC WATER COOLER</b> Providing and fixing of electric water coolers 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-in-Charge.  Capacity 20 US gallons (MECO Model ME-30SS)	1	Each		
Cost of Electrical Work					Rs=

Establishment of GPI Jacob Lines Karachi  
(Main Building, Auditorium Hall and Compound Wall) (Balance Work)  
at Jamshed Town, Karachi

Summary of Cost

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Civil Work Scheduled Items (Page No. 02 - 07)	Rs=
2	Cost of Plumbing Work (Scheduled Items) (Page No. 08 - 11)	Rs=
3	Cost of Plumbing Work (Non- Scheduled Items) (Page No. 12 - 12)	Rs=
<b>Total Cost of Work</b>		<b>Rs=</b>

\_\_\_\_\_  
**The Director (Works & Services)**

Dated: \_\_\_\_\_

\_\_\_\_\_  
Contractor's Signature with Stamp

Dated: \_\_\_\_\_

Establishment of GPI Jacob Lines Karachi  
(Main Building, Auditorium Hall and Compound Wall) (Balance Work)  
at Jamshed Town, Karachi

Bill of Quantities

**Establishment of GPI Jacob Lines Karachi**  
**(Main Building, Auditorium Hall and Compound Wall) (Balance Work)**  
**at Jamshed Town, Karachi**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<p><b>EXCAVATION IN FOUNDATION</b>  Excavation in foundation 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)</p> <p>In Ordinary Soil</p>	14,850.00	%Cft	3,176.25	47,167.31
2	<p><b>STONE PITCHING</b>  Stone Pitching including sub-base with hammer dressed stone on surface laid in courses including carriage of materials chains (Page No. 32, Item No. 23)</p>	3,712.50	%Cft	5,377.63	19,964.45
3	<p><b>CC IN PLAIN</b>  Cement concrete plain including placing compacting, finishing and curing complete (including screining and washing at stone aggregate without shuttering (Page No. 16, Item No. 5-i)</p> <p>Ratio 1:4:8</p>	2,475.00	%Cft	11,288.75	279,396.56
4	<p>Erection and removal of centering for RCC or plain cement concrete works of deodar wood (2nd class) vertical (Page No. 18, Item No. 19-b(ii))</p>	240.00	%Sft	3,127.41	7,505.78
5	<p>Cement concrete plain including placing compacting, finishing and curing complete (including screining and washing at stone aggregate without shuttering (Page No. 16, Item No. 5)</p> <p>Ratio 1:3:6</p>	80.40	%Cft	15,771.01	12,679.89
6	<p><b>RCC WORK</b>  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 screining and washing of shingle) Page No. 15. Item No. 6.</p> <p>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.</p> <p><b>Roof Slab &amp; Beams</b> - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¼" gauge.</p>	4,662.00	Per Cft	337.00	1,571,094.00



**Establishment of GPI Jacob Lines Karachi  
(Main Building, Auditorium Hall and Compound Wall) (Balance Work)  
at Jamshed Town, Karachi**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
7	<p><b>STEEL REINFORCEMENT</b> Fabrication of mild steel reinforcement 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.</p> <p>Using Tor Bars</p>	270.56	Per Cwt	5,001.70	1,353,259.95
8	<p><b>BLOCK MASONRY (6" Thick)</b> 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)</p>	611.04	%Cft	15,771.01	96,367.18
9	<p>Filling watering and ramming earth under floor with new earth (Excavated from outside) lead upto one chain and lift upto 5 feet. (S.I.No.22/P-4)</p>	24,750.00	%Cft	30,615.00	7,577,212.50
10	<p><b>G.I.FRAMES FOR DOOR</b> 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)</p>	84.00	Per Rft	228.90	19,227.60
11	<p>Cement plaster (1:4) upto 12' height ¾" thick (S.I.No.11-C/P-52)</p>	20,574.12	%Sft	3,191.75	656,674.48
12	<p>Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. 3" thick. (S.No.16/d-P #42)</p>	26,520.00	%Sft	4,411.82	1,170,014.66
13	<p>Add extra in cement concrete floor topping, if finished with pigment and polishing (S.I.No.17/P-42)</p>	26,520.00	%Sft	1,071.40	284,135.28
14	<p>Two coats of bitumen laid hot using 34 Lbs for % Sft. Ober roof and blinded with sand at one Cft. Per % ft. (S.I.No.13/P-35)</p>	26,520.00	%Sft	1,887.40	500,538.48

**Establishment of GPI Jacob Lines Karachi  
(Main Building, Auditorium Hall and Compound Wall) (Balance Work)  
at Jamshed Town, Karachi**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
15	Glazed tile dado ¾" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (S.I.No.38/P-45)	885.50	%Sft	28,299.30	250,590.30
16	Laying floor of approved colored glazed tiles ¾" thick laid in white cement 1:2 over ¾" thick cement mortar 1:2 complete (S.I.No.25/P-43)	246.00	%Sft	27,747.06	68,257.77
17	Laying white marble flooring fine dressed on the surface without winding sett in lime mortar 1:2 including rubbing and polishing of the joints. ¾" thick flooring (S.I.No.28/P-43)	3,974.00	Per Sft	567.48	2,255,165.52
18	P/L tiles glazed 6"x6"x1/4" on floor or wall facing in required pattern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling joints with slurry of white cement and pigment in desired shape with finishing cleaning and cost of wax polish etc. complete including cutting tiles to proper profile. (S.I.No.60/P-47)	44,315.50	%Sft	30,509.77	13,520,557.12
19	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with pigmented, having strength b/w 5000 psi to 8500 psi l/c filling the joints with hill sand and laying in specified manner / pattern and design etc: complete (S.I.No.72/P-49)	1,257.00	Per Sft	223.97	281,530.29
20	Colored cement tiles (pattern 8" x 8" x ¾" of approved shade and pattern laid flat in 1:2 grey cement mortar over a bed of ¾" thick grey cement mortar 1:2. (S.I.No.58/P-47)	412.00	%Sft	1,096.34	4,516.92
21	Supply and fixing false ceiling of plaster of Paris, in panels including making frame, work of Deodar wood including painting with Soligia paint. (S.I.No.52/P-64)	4,800.00	%Sft	25,293.42	1,214,084.16
22	<b>FLUSH DOOR</b> 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)	1,580.00	Per Sft	998.46	1,577,566.80
23	Rate of Door: Rs. 1,227.36 - G.I. Frame Rs. 228.90 = Door & Windows (Rs. 998.46)				

**Establishment of GPI Jacob Lines Karachi  
(Main Building, Auditorium Hall and Compound Wall) (Balance Work)  
at Jamshed Town, Karachi**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
24	Providing and fixing with sunk iron screws Wooden Architrave approved design/shape having width not less than 2½ inches as directed by Engineer Incharge. (S.I.No.60/P-66)	386.00	Per Rft	49.97	19,288.42
25	Supplying and fixing in position Aluminum channels framing for sliding window & Ventilators of Alcop made with 5 mm thick tinted glass glazing (Belgium) & Aluminum fly screen including handles stoppers and locking arrangement etc. complete. (b) Deluxe model (Bronze) (S.I.No.84-b/P-108)	248.00	Per Sft	1,647.69	408,627.12
26	Supplying & fixing in position Aluminum channels framing for hinged doors of Alcop made with 5 mm thick tinted glass glazing (Belgium) and Alpha (Japan) locks I/c handles, stoppers etc. Deluxe model (Bronze) (S.I.No.83-b/P-108)	32.00	Per Sft	1,507.66	48,245.12
27	S/F in position iron/grills of ¾" x ¼" size flat iron of approved deisng I/C painting three coats etc complete. (wt not be less than 3-7 ils per sq feet of finising grills.) (S.I No.26/P-93)	248.00	Per Sft	180.50	44,764.00
28	Supplying and fixing special heavy type steel doors for look – ups withn 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 design 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)	256.00	Per Sft	930.76	238,274.56
29	Providing and fixing iron steel grill door with angle iron frame of 1½" x 1½" x ¼" and flat iron of ¾" x ¼" with approved design and locking arrangement embedded in Masonry as per instructions of Engineer in Charge. (S.I.No.31/P-94)	108.00	Per Sft	231.60	25,012.80
30	Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" I/c revitted with ¾" x 1/8" flat iron patti placed diagonally and provided with top & bottom T-section 1" x 1" 1/8" along with rollers also I/c locking arrangement and fixing in floor/ceiling or wall etc, completed. (S.I.No.32/P-94)	48.00	Per Sft	387.04	18,577.92

**Establishment of GPI Jacob Lines Karachi  
(Main Building, Auditorium Hall and Compound Wall) (Balance Work)  
at Jamshed Town, Karachi**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
31	<b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)	65,354.80	%Sft	442.75	289,358.38
32	<b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	22,726.00	%Sft	1,079.65	245,361.26
33	<b>INTERNAL WALL PAINTING</b> 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)	41,128.80	%Sft	3,444.38	1,416,632.16
34	<b>WEATHER COAT</b> 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)	1,500.00	%Sft	2,567.95	38,519.25
35	Painting new surfaces. Preparing surface and painting corrugated surface patent roofing etc. priming coat, Each subsequent of paint. (S.I.No.5/a(I,II) P-69)	3,160.00	%Sft	2,116.41	66,878.56
36	Providing Anti-termite treatment by spraying/sprinkling/spreading Neptachalr 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and along attached perches or entrances etc. complete as per directions of Engineer Incharge. (S.I.No.92/P-109)	119,000.00	Per Sft	9.74	1,159,060.00
37	<b>NOTICE BOARD</b> Notice board made with cement	648.00	P.Sft	58.11	37,655.28
38	R.C.C. spouts i/c fixing in position 2-1/2"x6"x5.	60	Each	261.25	15,675.00

**Establishment of GPI Jacob Lines Karachi  
(Main Building, Auditorium Hall and Compound Wall) (Balance Work)  
at Jamshed Town, Karachi**

(Civil Works)

Sindh Schedule of Rates 2012

**Bill of Quantities**

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
39	Khaprail of cement concrete 12"x8"x1" of approved design shape laid flat in 1:2 gray cement mortar over a bed of 3/4" thick grey cement mortar 1:2.	1,440.00	Sft	8,977.90	12,928,176.00
Sub Total				Rs=	49,767,612.84
____ % above / below except item No. 37,38 & 39				Rs=	
Cost of Civil Work (Scheduled Items)				Rs=	

**Establishment of GPI Jacob Lines Karachi  
(Main Building, Auditorium Hall and Compound Wall) (Balance Work)  
at Jamshed Town, Karachi**

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
40	Providing and fixing squatting type white glazed earthenware 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 & floor for pipe connection & making good in cement concrete 1:2:4.(i) With 4" dia C.I trap.A. /W.C pain of non less than 23" clear opening between flushing Rim (P-1/S-1-a)	16	Each	5,044.60	80,713.60
41	Providing and fixing European white glazed earthenware Wash down W.C. pan complete with front flush i/c the cost of white/black Plastic Seat (best Quality) and lid with c.p brass hinges and buffers, 3 gallons white glazed earthen earthenware low level flushing cistern with siphon fitting 1-1/2" dia white Porcelain enameled flush bend 3-4 inch dia and making request No of hole in wall, plinth & floor for pipe connection & making good in cement concrete 1:2:4.( foreign Quality)(S.I.No.5/P-2)	5	Each	11,477.40	57,387.00
42	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 inches built into walls, painted white in two coats after a primary coat of red lead paint a pair of 1/2" dia chrome plated pillar taps, 1-1/2" dia rubber plug & chrome plated brass chain 1-1/4" dia, malleable iron or C.P brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth & floor for pipe connections and making good in cement concrete 1:2:4 (Standard Equivalant).(CSI # 8 page # 3)	16	Each	4,253.70	68,059.20
43	Add extra for labour for providing and fixing of earthen ware pedestal white or coloured glazed ( Standard ) (S.I.No.9/p-3)	16	Each	938.47	15,015.52
44	Providing and fixing 6" x 2" or 6" x 3" C.I. floor trap of the approved self cleaning design with a C.I. screwed down grating with or without a vent arm complete with and including making requisite number of holes in walls, plinth and floor for pipe connection & making good in cement concrete 1:2:4. (CSI # 20 page # 6)	24	Each	2,042.43	49,018.32

**Establishment of GPI Jacob Lines Karachi  
(Main Building, Auditorium Hall and Compound Wall) (Balance Work)  
at Jamshed Town, Karachi**

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
45	Providing and fixing in position nyloon connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nyloon connection. (S.I.No.23 / p-6)	48	Each	447.15	21,463.20
46	Providing and fixing 4" dia C.I. Soil and vent pipes including cutting and fitting and extra painting to match the colour of building. (S.I.No.1/p-9)	1,500.00	Rft	333.29	499,935.00
47	Providing and fixing M.S. clamps of the approved design to 4" dia C.I. pipe sockets including the cost of cutting and making good to wall on M.S. bolts and nuts 3" into wall including pipe distance pieces and extra painting to match the colour of the building.(CSI # 2 page # 9)	48	Nos	72.16	3,463.68
48	Providing and fixing 4" C.I. Terminal guard including extra painting to match the colour of the building. (S.I.No.11/p-10)	10	Nos	389.70	3,897.00
49	Supplying and fixing long bib cock of crystal head with C.P. 1/2" dia. (S.I.No.13/p-19).	5	Nos	1,109.46	5,547.30
50	Supplying and fixing cancealed stop cock of superior quality with crystal head 1/2" dia. (S.I.No.11/a/p-18.)	8	Nos	478.28	3,826.24
51	Supplying and fixing swan type piller cock of superior quality with crystal head. (S.I.No.16/b/p-19.)	4	Nos	877.80	3,511.20
52	Providing and fixing full way gun metal valves with wheels, threaded or flanged ends with rubber washing, Standard pattern ( Note: Standard Manufacturer by M/S Anwar Mechanical Works ). (S.I.No.4/b/p-17)	3	Nos	161.92	485.76
53	Providing and fixing 4" x 4" x4" dia C.I. Branches of the required degree with access doors, rubber washer 1/8" thick and bolts and nuts and extra painting to match the colour of building. (S.I.No.5/p-9)	3	Nos	270.60	811.80

**Establishment of GPI Jacob Lines Karachi  
(Main Building, Auditorium Hall and Compound Wall) (Balance Work)  
at Jamshed Town, Karachi**

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
54	Providing and fixing 4" x 4" dia plain C.I. Branch of the required degree including extra painting to match the colour of the building. (S.I.No.6/p-9)	3	Nos	201.50	604.50
55	Providing and fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long C.P. brass screws. ii, Towel rail 30" long, 3/4" dia round or square (S.I.No.1-ii-a/p-7) (Standard pattern)	3	Nos	1,082.95	3,248.85
56	Providing and fixing bavelled edge mirror of belgium glass complete with 1/8" thick hardboard and C.P. screws fixed to wooden plate. (S.I.No.3-b/a-7) (Standard pattern).	5	Nos	1,711.60	8,558.00
57	Providing R.C.C. pipe with collars class-B and digging the trenches to required depth and fixing in position including cutting, fitting and jointing with maxphalt composition and cement mortar 1:1 and testing with water pressure to a head of 4 feet above the top of the highest pipe & refilling with excavated staff. (d) 9" dia R.C.C pipe class "B".(CSI # 2-page # 24).				
a	9" DIA	30	P.Rft	550.00	16,500.00
b	6" DIA	150	P.Rft	385.00	57,750.00
58	Construction of main hole or inspection chamber for the required dia for sewer and 3'-6" depth with walls of 13.13 cement mortar 1:3 1/2" thick cement plaster c/c main hole cover and c/c with framed 1/2" 11/2" c.c 1:2:4 and c/c duly painted etc. (S.HO=1 PNO=39 PHE)	6	Nos	14,748.00	88,488.00
59	S/F Fiber glass Tank of approved quality and design and wall thickness as specified i/c cost of nuts bolts and fixing plate farm of c.c. 1;3;6; and making connection for inlet and outlet and over flor inlet out let etc complete(c) 500 Gallons wall thickness 4.5 mm(S.,I.No:3/p-21).	1	No	37,505.42	37,505.42



**Establishment of GPI Jacob Lines Karachi  
(Main Building, Auditorium Hall and Compound Wall) (Balance Work)  
at Jamshed Town, Karachi**

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
60	Providing chamber 15"x9" (inside dimension)x24" deep for house meter with 6"thick c.c.1;3;6; block on 1:6 cement mortar 6"thick c.c.1;4;8 in foundastion 1/2"thick cement plaster 1;3 c.m to all inside wall surface and to top 1"thick c.c. 1;2;4; flooring complete withhinged cast iron cover and frame 15"9"(inside)clear opening wt 1 Qr) etc fixed in cement concret 1;2;4; i/c curring excavation back filling & disposal of earth etc complete.(2/p-20)	8	No	5,913.22	47,305.76
61	Providing and fixing steel stainless local make complete with cast iron or wrought iron brackets 6 inches built in wall, 1-1/2" rubber plug chrome brass chain 1-1/2" C.P. brass waste with 1-1/2" plate P.V.C. waste pipe and making requisite number of holes in walls and plinth and floor for pipe connection and making good in cement concrete 1:2:4. (c) Steel sink stainless sized 33" x 18" local make (Standard Pattern). (S.I.No.19-c P-6).	1	No	5,712.30	5,712.30
62	Providing and fixing 24" x 18" x 8" white glazed fire-clay sinks complete with 6 inches built into walls 1/2" dia rubber plugs and chrome plated brass chain 1/2" C.P. brass washer 1-1/2" dia malloable iron or C.P. brass trap with malloable iron or brass unions and making requisite number of holes inwalls plinth and floor for pipe connections and making good in cement concrete 1:2:4 (Standard Pattern) S.I.No.17 page 5)	8	No	4,391.20	35,129.60
Sub T otal				Rs=	1,113,937.25
___ % above / below				Rs=	
Cost of Plumbing Work (Scheduled Work)				Rs=	

**Establishment of GPI Jacob Lines Karachi  
(Main Building, Auditorium Hall and Compound Wall) (Balance Work)  
at Jamshed Town, Karachi**

**Bill of Materials**

(Plumbing Works)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
63	P/F PVC Pipe Nepro make of schedule 80 i/c cutting fitting cost of breaking through wall roof making good with c.c. testing with water to pressure to head of 200 feet and handling etc complete (RA).				
a	1" Dia	100.00	Rft		
b	1/2" dia	200.00	Rft		
c	1-1/2" dia	200.00	Rft		
64	Providing and fixing PVC Socket of schedule 80 i/c cutting fitting etc complete (R.A)				
a	1" Dia	25.00	Rft		
b	1/2" dia	35.00	Rft		
c	1-1/2" dia	35.00	Rft		
65	Providing and fixing PVC Elbow of schedule 80 to 90 degree i/c cutting fitting etc complete (RA).				
a	1" Dia	12	Each		
b	1/2" dia	15	Each		
c	1-1/2" dia	10	Each		
66	Providing and fixing PVC Tee of schedule 80 degree i/c cutting fitting etc complete(RA).				
a	1" Dia	9	Each		
b	1/2" dia	6	Each		
c	1-1/2" dia	6	Each		
Cost of Non Schedule Items (Plumbing Work)				Rs=	

## Repair / Maintenance Work of GVI Jamia Milia, Malir Town, Karachi

## Summary of Cost

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Civil Work (Scheduled Items) (Page No. 02 - 04)	Rs=
2	Cost of Civil Work (Non-Scheduled Items) (Page No. 05 - 06)	Rs=
3	Cost of Electrical Work (at lumsump basis 10% of Civil Work)	Rs=
<b>Total Cost of Work</b>		<b>Rs=</b>

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**The Director (Works & Services)**

Dated: \_\_\_\_\_

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Contractor's Signature with Stamp

Dated: \_\_\_\_\_

## Repair / Maintenance Work of GVI Jamia Milia, Malir Town, Karachi

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<b>REMOVAL OF PLASTER</b> Removing cement or lime plaster. (Page No. 13, Item No. 33)	500.00	%Sft	121.00	605.00
2	<b>DISMANTLING TILES</b> Dismantling glazed or encaustic tiles etc. (Page No. 13, Item No. 55)	2,016.00	%Sft	786.50	15,855.84
3	<b>DOOR &amp; WINDOWS</b> 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)	50.00	Per Sft	998.46	49,923.00
4	<b>MARBLE TILE SKIRTING</b> Providing and fixing $\frac{3}{8}$ " thick marble tiles of approved quality and colour and shade size 8" X 4" / 6" X 4" in dado skirting and facing removal / tucking of existing plaster surface etc. over $\frac{1}{2}$ " thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, cleaning for old works. (Page No. 48, Item No. 68)	352.00	Per Sft	201.07	70,776.64
5	<b>GLASS PANES</b> Glazing with panes (24 oz to 26 oz.) using putty and deodar wooden 1st class fillets. (Page No. 63, Item No. 46)	400.00	Per Sft	163.90	65,560.00
6	<b>SCRAPPING OLD PAINT</b> Scrapping white wash or colour wash (Page No. 13, 54-a)	5,000.00	%Sft	75.63	3,781.50
7	<b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)	2,020.00	%Sft	442.75	8,943.55
8	<b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	5,000.00	%Sft	1,079.65	53,982.50

## Repair / Maintenance Work of GVI Jamia Milia, Malir Town, Karachi

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
9	<b>INTERNAL WALL PAINTING</b> 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)	3,500.00	%Sft	3,444.38	120,553.30
10	<b>WEATHER COAT</b> 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)	5,000.00	%Sft	2,567.95	128,397.50
11	<b>ENAMEL PAINT ON WOOD WORKS</b>				
a	Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)	2,200.00	%Sft	2,116.41	46,561.02
b	Priming Coat	2,200.00	%Sft	862.95	18,984.90
c	Each Subsequent Coat of Paint (two coats)	2,200.00	%Sft	1,253.46	27,576.12
12	<b>ENAMEL PAINT ON IRON WORKS</b> 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)	2,300.00	%Sft	977.40	22,480.20
13	<b>WOODEN ARCHITRAVE</b> 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)	2,150.00	Per Rft	49.97	107,435.50
14	<b>SURFACE RENDERING</b> Cement Plaster 1:5 upto 12' height				
a	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	500.00	%Sft	2,678.50	13,392.50
b	½" thick <u>Internal Wall Plaster</u> (Page No. 51, Item No. 12-b)	500.00	%Sft	2,241.80	11,209.00
15	<b>EXPANDED METAL</b> Providing and fixing G.I. expanded metal ½ - 20 gauge fixed to chowkats with ¾" deodar strips and screws. (Page No. 65, Item No. 66-a)	200.00	Per Sft	178.68	35,736.00

## Repair / Maintenance Work of GVI Jamia Milia, Malir Town, Karachi

### Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
16	<b>ROOF SCREEDING</b>				
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)	5,670.00	%Sft	4,411.82	250,150.19
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)	5,670.00	%Sft	1,887.40	107,015.58
17	<b>SITU 1:3:6 IN DOWELS</b>				
	Cement concrete plain 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+h517/19b(i).	200.00	%Cft	16,183.48	32,366.96
Sub Total				Rs=	1,191,286.80
___ % above / below					
Cost of Civil Work (Scheduled Items)					

## Repair / Maintenance Work of GVI Jamia Milia, Malir Town, Karachi

### Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
18	<p><b>TAKING OUT FITTINGS</b>            Taking out carefully of required all type of electrical and plumbing fitting and fixtures, air-conditioner with frame including G.I. Pipe, C.I Pipe, PVC Pipe and R.C.C Pipes etc. Complete in all respects including cutting of wall / plinth care and its repairing to original shape and specification stacking salvaged materials at site and disposing of unserviceable material by the Engineer-in-Charge upto any height and any floor.</p>	Lum Sump	Job		
19	<p><b>PLASTER PATCHES (SLAB)</b>            Plastering 2" to 3" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping old damaged portion in regular shape and removal of rubbish form the site etc. complete as per direction of Engineer-in-charge in ground floor in required layers. (upto any height and any floor)</p>	500.00	Sft		
20	<p><b>PLASTER PATCHES (WALL)</b>            Plastering ¾" to 1" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping old damaged portion in regular shape and removal of rubbish form the site etc. complete as per direction of Engineer-in-charge in ground floor in two layers. (upto any height and any floor)</p>	720.00	Sft		
21	<p><b>REMOVAL OF BROKEN GLASS</b>            Removing the broken Glass Panes (any thickness) with iron nail and putty on wooden beading as required in any floor at any height. Complete in all respect as per direction of the Architect / Engineer-in-Charge.</p>	50.00	Sft		
22	<p><b>SHUTTER PANEL REPAIRING</b>            Cutting, removing and refixing of worn out door shutters pieces with new pieces of same wood and quality making good including fixing with nails, glow etc. wherever required. Complete in all respect as per instructions of the Architect / Engineer-in-Charge. (upto any height and any floor)</p>	300.00	Sft		
23	<p><b>ROOM DOOR LOCKS</b>            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.</p>	4	Each		

## Repair / Maintenance Work of GVI Jamia Milia, Malir Town, Karachi

### Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
24	<p><b>DOOR CLOSER</b>            Providing and fixing with brass screws or specially supplied screws hydraulic door closer Rayobi, Yale or approved manufacturer Japan make, cutting wood etc to required shape and size. Complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.</p>	2	Each		
25	<p><b>MARBLE TILES FLOORING</b>            Providing and laying 12" X 12" X ½" thick Marble Tile flooring of approved quality and shade including tile border laid over 2" thick bed of C.C. 1:2:4 base floor, setting the tiles without white cement slurry using cement and screened aggregate mix with larger grain size not exceeding 19 mm in approved pattern (total thickness 50 mm) including filling of joints using white cement and pigment (if required) in match colour of tiles etc. including grinding &amp; chemical polishing. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.</p>	2,016.00	Sft		
26	<p><b>PVC RAIN DOWN PIPE</b>            Providing and fixing 3" dia polyving chloride rain water down pipe including tees, socket, bend and clamp bolts et, complete in all respect as per instruction by the Architect / Engineer. (DADEX or approved equivalent) upto any height and floor.</p>	50.00	Rft		
27	<p><b>IRON FITTING</b>            Providing and fixing iron hinges, tower bolts, cleats, handles, alldrops etc. in repairable wooden doors, windows and ventilators wherever required as per instructions of the Architect / Engineer-in-Charge.</p>	20	Nos		
Cost of Civil Work (Non-Schedule Items)				Rs=	



**GYMNASIUM BUILDING AT JAMIA MILLIA POLYTECHNIC INSTITUTE MALIR,  
SHAH FAISAL TOWN, KARACHI (BALANCE WORK)**

**Bill of Quantities**

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<b>DISMANTLING</b> Dismantling cement concrete plain 1:2:4 (Page No. 10, Item No. 19-c)	2,640.00	%Cft	3,327.50	87,846.00
2	<b>ROOF SCREEDING</b>				
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)	5,500.00	%Sft	4,411.82	242,650.10
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)	5,500.00	%Sft	1,887.40	103,807.00
3	<b>FINISH FLOORING</b> Providing and laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (Page No. 41, Item No. 16-c)	3,000.00	%Sft	4,411.82	132,354.60
4	<b>SURFACE RENDERING</b>				
a	Cement Plaster 1:5 upto 12' height ½" thick (Page No. 51, Item No. 12-b)	500.00	%Sft	2,241.80	11,209.00
b	¾" thick (Page No. 51, Item No. 12-c) upto plinth level	500.00	%Sft	2,678.50	13,392.50
5	<b>ALUMINIUM SHEET</b> Providing and fixing aluminium sheet on bathroom doors pasted with glue. Complete in all respect as per instructions of the Engineer-in-Charge.	50.00	Sft	63.00	3,150.00
6	<b>SCRAPPING PAINT</b> Scrapping ordinary distemper, oil bound distemper or paint on walls. (Page No. 13, Item No 54-b)	12,094.00	%Sft	226.28	27,366.30
7	<b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)	12,094.00	%Sft	442.75	53,546.19
8	<b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	2,145.00	%Sft	1,079.65	23,158.49

**GYMNASIUM BUILDING AT JAMIA MILLIA POLYTECHNIC INSTITUTE MALIR,  
SHAH FAISAL TOWN, KARACHI (BALANCE WORK)**

**Bill of Quantities**

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
9	<b>INTERNAL WALL PAINTING</b> 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)	11,104.00	%Sft	3,444.38	382,463.96
10	<b>WEATHER COAT</b> 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)	9,240.00	%Sft	2,567.95	237,278.58
11	<b>ENAMEL PAINT ON WOOD WORKS</b>				
a	Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)	880.00	%Sft	2,116.41	18,624.41
b	Priming Coat	880.00	%Sft	862.95	7,593.96
c	Each Subsequent Coat of Paint (two coats)	880.00	%Sft	1,253.46	11,030.45
12	<b>ENAMEL PAINT ON IRON WORKS</b> 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)	600.00	%Sft	977.40	5,864.40
13	<b>FALSE CEILING</b> 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)	520.00	%Sft	25,293.42	131,525.78
14	<b>STEEL GATE</b> Supplying and fixing special heavy type steel doors for look-ups angle iron frame of 2-½" to 2-½" X ¾" size and shutter of 2" X 2" X ¾" with 1" dia meter 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 design including cost of erection of steel gate and fixing in masonry wall in cement concrete 1:2:4 etc. complete as per instructions of the Engineer-in-Charge. (Page No. 92, Item No. 27)	100.00	Per Sft	930.76	93,076.00

**GYMNASIUM BUILDING AT JAMIA MILLIA POLYTECHNIC INSTITUTE MALIR,  
SHAH FAISAL TOWN, KARACHI (BALANCE WORK)**

**Bill of Quantities**

Non-Schedule Items

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
15	<b>IRON FITTING</b> Providing and fixing iron hinges, tower bolts, cleats, handles, alldrops etc. in repairable wooden doors, windows and ventilators wherever required as per instructions of the Architect / Engineer-in-Charge.	20	Nos		
Sub Total				Rs=	1,587,937.72
_____ % above / below on Scheduled Items except item No. 15.					-
Cost of Work					

Up-Gradation of GVS (Girls) in Landhi, PECHS, Bufferzone and Sachal Goth at Karachi (Remaining Work)

Summary of Cost

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Work at GVS (G) Landhi, Karachi Page No. 01- 04	
2	Cost of Work at GVS (G) PECHS, Karachi Page No. 05- 08	
3	Cost of Work at GVS (G) Bufferzone, Karachi Page No. 09- 12	
4	Cost of Work at GVS (G) Sachal Goth, Karachi Page No. 13- 16	
Total Cost of Work		Rs =

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**CONTRACTOR SEAL & SIGNATURE**

## Up-Gradation of GVS (G) at Landhi, Karachi (Remaining Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<b>REMOVAL OF PLASTER</b> Removing cement or lime plaster. (Page No. 13, Item No. 33)	300.00	%Sft	121.00	363.00
2	<b>DISMANTLING TILES</b> Dismantling glazed or encaustic tiles etc. (Page No. 13, Item No. 55)	500.00	%Sft	786.50	3,932.50
3	<b>REMOVING DOORS</b> Removing doors with chowket (Page No. 12, Item No. 33-a)	6	Each	142.18	853.08
4	<b>REMOVING WINDOW / VENTILATORS</b> Removing window and sky light with with chowket (Page No. 12, Item No. 33-b)	4	Each	102.85	411.40
5	<b>FLUSH DOOR</b> 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)	150.00	Per Sft	998.46	149,769.00
6	<b>SUB FLOORING</b> 3" thick - ratio (1:3:6) Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h)	500.00	%Cft	12,595.00	62,975.00
7	<b>GLASS PANES</b> Glazing with panes (24 oz to 26 oz.) using putty and deodar wooden 1st class fillets. (Page No. 63, Item No. 46)	200.00	Per Sft	163.90	32,780.00
8	<b>SCRAPPING OLD PAINT</b> Scrapping white wash or colour wash (Page No. 13, 54-a)	15,000.00	%Sft	75.63	11,344.50
9	<b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)	15,000.00	%Sft	442.75	66,412.50

## Up-Gradation of GVS (G) at Landhi, Karachi (Remaining Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
10	<b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	4,000.00	%Sft	1,079.65	43,186.00
11	<b>INTERNAL WALL PAINTING</b> 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)	3,500.00	%Sft	3,444.38	120,553.30
12	<b>WEATHER COAT</b> 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)	2,800.00	%Sft	2,567.95	71,902.60
13	<b>ENAMEL PAINT ON WOOD WORKS</b>				
a	Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)	950.00	%Sft	2,116.41	20,105.90
b	Priming Coat	950.00	%Sft	862.95	8,198.03
c	Each Subsequent Coat of Paint (two coats)	950.00	%Sft	1,253.46	11,907.87
14	<b>ENAMEL PAINT ON IRON WORKS</b> 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)	750.00	%Sft	977.40	7,330.50
15	<b>WOODEN ARCHITRAVE</b> 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)	72.00	Per Rft	49.97	3,597.84
16	<b>SURFACE RENDERING</b> Cement Plaster 1:5 upto 12' height				
a	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	500.00	%Sft	2,678.50	13,392.50
b	½" thick <u>Internal Wall Plaster</u> (Page No. 51, Item No. 12-b)	500.00	%Sft	2,241.80	11,209.00
Sub Total				Rs=	640,224.51
___ % above / below					
Cost of Civil Work (Scheduled Items)					

## Up-Gradation of GVS (G) at Landhi, Karachi (Remaining Work)

## Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
17	<p><b>PLASTER PATCHES (SLAB)</b> Plastering 2" to 3" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping old damaged portion in regular shape and removal of rubbish form the site etc. complete as per direction of Engineer-in-charge in ground floor in required layers. (upto any height and any floor)</p>	1,000.00	Sft		
18	<p><b>PLASTER PATCHES (WALL)</b> Plastering ¾" to 1" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping old damaged portion in regular shape and removal of rubbish form the site etc. complete as per direction of Engineer-in-charge in ground floor in two layers. (upto any height and any floor)</p>	2,000.00	Sft		
19	<p><b>REMOVAL OF BROKEN GLASS PANES</b> Removing the broken Glass Panes (any thickness) with iron nail and putty on wooden beading as required in any floor at any height. Complete in all respect as per direction of the Architect / Engineer-in-Charge.</p>	200.00	Sft		
20	<p><b>SHUTTER PANEL REPAIRING</b> Cutting, removing and refixing of worn out door shutters pieces with new pieces of same wood and quality making good including fixing with nails, glow etc. wherever required. Complete in all respect as per instructions of the Architect / Engineer-in-Charge. (upto any height and any floor)</p>	80.00	Sft		
21	<p><b>ROOM DOOR LOCKS</b> 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.</p>	2	Each		
22	<p><b>DOOR CLOSER</b> Providing and fixing with brass screws or specially supplied screws hydraulic door closer Rayobi, Yale or approved manufacturer Japan make, cutting wood etc to required shape and size. Complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.</p>	1	Each		

## Up-Gradation of GVS (G) at Landhi, Karachi (Remaining Work)

### Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
23	<b>IRON FITTING</b> Providing and fixing iron hinges, tower bolts, cleats, handles, alldrops etc. in repairable wooden doors, windows and ventilators wherever required as per instructions of the Architect / Engineer-in-Charge.	20	Nos		
Cost of Civil Work (Non-Schedule Items)				Rs=	

Cost of Scheduled Items (Civil Work)

Rs=

Cost of Non-Scheduled Items (Civil Work)

Rs=

**Total Cost of Work**

Rs=

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## Up-Gradation of GVS (G) at PECHS, Karachi (Remaining Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<b>REMOVAL OF PLASTER</b> Removing cement or lime plaster. (Page No. 13, Item No. 33)	350.00	%Sft	121.00	423.50
2	<b>DISMANTLING TILES</b> Dismantling glazed or encaustic tiles etc. (Page No. 13, Item No. 55)	400.00	%Sft	786.50	3,146.00
3	<b>REMOVING DOORS</b> Removing doors with chowket (Page No. 12, Item No. 33-a)	7	Each	142.18	995.26
4	<b>REMOVING WINDOW / VENTILATORS</b> Removing window and sky light with with chowket (Page No. 12, Item No. 33-b)	5	Each	102.85	514.25
5	<b>FLUSH DOOR</b> 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)	175.00	Per Sft	998.46	174,730.50
6	<b>SUB FLOORING</b> 3" thick - ratio (1:3:6) Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h)	490.00	%Cft	12,595.00	61,715.50
7	<b>GLASS PANES</b> Glazing with panes (24 oz to 26 oz.) using putty and deodar wooden 1st class fillets. (Page No. 63, Item No. 46)	200.00	Per Sft	163.90	32,780.00
8	<b>SCRAPPING OLD PAINT</b> Scrapping white wash or colour wash (Page No. 13, 54-a)	15,000.00	%Sft	75.63	11,344.50
9	<b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)	15,000.00	%Sft	442.75	66,412.50

## Up-Gradation of GVS (G) at PECHS, Karachi (Remaining Work)

## Bill of Quantities

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
10	<b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	4,000.00	%Sft	1,079.65	43,186.00
11	<b>INTERNAL WALL PAINTING</b> 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)	4,500.00	%Sft	3,444.38	154,997.10
12	<b>WEATHER COAT</b> 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)	3,200.00	%Sft	2,567.95	82,174.40
13	<b>ENAMEL PAINT ON WOOD WORKS</b>				
a	Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)	1,050.00	%Sft	2,116.41	22,222.31
b	Priming Coat	1,050.00	%Sft	862.95	9,060.98
c	Each Subsequent Coat of Paint (two coats)	1,050.00	%Sft	1,253.46	13,161.33
14	<b>ENAMEL PAINT ON IRON WORKS</b> 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)	790.00	%Sft	977.40	7,721.46
15	<b>WOODEN ARCHITRAVE</b> 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)	110.00	Per Rft	49.97	5,496.70
16	<b>SURFACE RENDERING</b> Cement Plaster 1:5 upto 12' height				
a	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	425.00	%Sft	2,678.50	11,383.63
b	½" thick <u>Internal Wall Plaster</u> (Page No. 51, Item No. 12-b)	425.00	%Sft	2,241.80	9,527.65
Sub Total				Rs=	710,993.56
___ % above / below					
Cost of Civil Work (Scheduled Items)					

## Up-Gradation of GVS (G) at PECHS, Karachi (Remaining Work)

## Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
17	<b>PLASTER PATCHES (SLAB)</b> Plastering 2" to 3" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping 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 required layers. (upto any height and any floor)	800.00	Sft		
18	<b>PLASTER PATCHES (WALL)</b> Plastering ¾" to 1" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping 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)	1,200.00	Sft		
19	<b>REMOVAL OF BROKEN GLASS PANES</b> Removing the broken Glass Panes (any thickness) with iron nail and putty on wooden beading as required in any floor at any height. Complete in all respect as per direction of the Architect / Engineer-in-Charge.	220.00	Sft		
20	<b>SHUTTER PANEL REPAIRING</b> Cutting, removing and refixing of worn out door shutters pieces with new pieces of same wood and quality making good including fixing with nails, glow etc. wherever required. Complete in all respect as per instructions of the Architect / Engineer-in-Charge. (upto any height and any floor)	150.00	Sft		
21	<b>ROOM DOOR LOCKS</b> 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.	2	Each		
22	<b>DOOR CLOSER</b> Providing and fixing with brass screws or specially supplied screws hydraulic door closer Rayobi, Yale or approved manufacturer Japan make, cutting wood etc to required shape and size. Complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.	1	Each		

## Up-Gradation of GVS (G) at PECHS, Karachi (Remaining Work)

### Bill of Quantities

Non-Schedule Items (Civil Work)					
S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
23	<b>IRON FITTING</b> Providing and fixing iron hinges, tower bolts, cleats, handles, alldrops etc. in repairable wooden doors, windows and ventilators wherever required as per instructions of the Architect / Engineer-in-Charge.	20	Nos		
Cost of Civil Work (Non-Schedule Items)					Rs=

Cost of Scheduled Items (Civil Work)

Rs=

Cost of Non-Scheduled Items (Civil Work)

Rs=

**Total Cost of Work**

Rs=

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## Up-Gradation of GVS (G) at Bufferzone, Karachi (Remaining Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<b>REMOVAL OF PLASTER</b> Removing cement or lime plaster. (Page No. 13, Item No. 33)	450.00	%Sft	121.00	544.50
2	<b>DISMANTLING TILES</b> Dismantling glazed or encaustic tiles etc. (Page No. 13, Item No. 55)	390.00	%Sft	786.50	3,067.35
3	<b>REMOVING DOORS</b> Removing doors with chowket (Page No. 12, Item No. 33-a)	7	Each	142.18	995.26
4	<b>REMOVING WINDOW / VENTILATORS</b> Removing window and sky light with with chowket (Page No. 12, Item No. 33-b)	5	Each	102.85	514.25
5	<b>FLUSH DOOR</b> 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)	175.00	Per Sft	998.46	174,730.50
6	<b>SUB FLOORING</b> 3" thick - ratio (1:3:6) Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h)	510.00	%Cft	12,595.00	64,234.50
7	<b>GLASS PANES</b> Glazing with panes (24 oz to 26 oz.) using putty and deodar wooden 1st class fillets. (Page No. 63, Item No. 46)	250.00	Per Sft	163.90	40,975.00
8	<b>SCRAPPING OLD PAINT</b> Scrapping white wash or colour wash (Page No. 13, 54-a)	15,000.00	%Sft	75.63	11,344.50
9	<b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)	15,000.00	%Sft	442.75	66,412.50

## Up-Gradation of GVS (G) at Bufferzone, Karachi (Remaining Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
10	<b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	4,000.00	%Sft	1,079.65	43,186.00
11	<b>INTERNAL WALL PAINTING</b> 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)	4,500.00	%Sft	3,444.38	154,997.10
12	<b>WEATHER COAT</b> 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)	3,200.00	%Sft	2,567.95	82,174.40
13	<b>ENAMEL PAINT ON WOOD WORKS</b>				
a	Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)	850.00	%Sft	2,116.41	17,989.49
b	Priming Coat	850.00	%Sft	862.95	7,335.08
c	Each Subsequent Coat of Paint (two coats)	850.00	%Sft	1,253.46	10,654.41
14	<b>ENAMEL PAINT ON IRON WORKS</b> 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)	720.00	%Sft	977.40	7,037.28
15	<b>WOODEN ARCHITRAVE</b> 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)	120.00	Per Rft	49.97	5,996.40
16	<b>SURFACE RENDERING</b> Cement Plaster 1:5 upto 12' height				
a	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	425.00	%Sft	2,678.50	11,383.63
b	½" thick <u>Internal Wall Plaster</u> (Page No. 51, Item No. 12-b)	425.00	%Sft	2,241.80	9,527.65
Sub Total				Rs=	713,099.79
___ % above / below					
Cost of Civil Work (Scheduled Items)					

## Up-Gradation of GVS (G) at Bufferzone, Karachi (Remaining Work)

## Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
17	<b>PLASTER PATCHES (SLAB)</b> Plastering 2" to 3" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping old damaged portion in regular shape and removal of rubbish form the site etc. complete as per direction of Engineer-in-charge in ground floor in required layers. (upto any height and any floor)	750.00	Sft		
18	<b>PLASTER PATCHES (WALL)</b> Plastering ¾" to 1" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping old damaged portion in regular shape and removal of rubbish form the site etc. complete as per direction of Engineer-in-charge in ground floor in two layers. (upto any height and any floor)	1,090.00	Sft		
19	<b>REMOVAL OF BROKEN GLASS PANES</b> Removing the broken Glass Panes (any thickness) with iron nail and putty on wooden beading as required in any floor at any height. Complete in all respect as per direction of the Architect / Engineer-in-Charge.	220.00	Sft		
20	<b>SHUTTER PANEL REPAIRING</b> Cutting, removing and refixing of worn out door shutters pieces with new pieces of same wood and quality making good including fixing with nails, glow etc. wherever required. Complete in all respect as per instructions of the Architect / Engineer-in-Charge. (upto any height and any floor)	100.00	Sft		
21	<b>ROOM DOOR LOCKS</b> 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.	2	Each		
22	<b>DOOR CLOSER</b> Providing and fixing with brass screws or specially supplied screws hydraulic door closer Rayobi, Yale or approved manufacturer Japan make, cutting wood etc to required shape and size. Complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.	1	Each		

## Up-Gradation of GVS (G) at Bufferzone, Karachi (Remaining Work)

## Bill of Quantities

Non-Schedule Items (Civil Work)					
S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
23	<b>IRON FITTING</b> Providing and fixing iron hinges, tower bolts, cleats, handles, alldrops etc. in repairable wooden doors, windows and ventilators wherever required as per instructions of the Architect / Engineer-in-Charge.	18	Nos		
Cost of Civil Work (Non-Schedule Items)				Rs=	

Cost of Scheduled Items (Civil Work)

Rs=

Cost of Non-Scheduled Items (Civil Work)

Rs=

**Total Cost of Work**

Rs=



## Up-Gradation of GVS (G) at Sachal Goth, Karachi (Remaining Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<b>REMOVAL OF PLASTER</b> Removing cement or lime plaster. (Page No. 13, Item No. 33)	450.00	%Sft	121.00	544.50
2	<b>DISMANTLING TILES</b> Dismantling glazed or encaustic tiles etc. (Page No. 13, Item No. 55)	480.00	%Sft	786.50	3,775.20
3	<b>REMOVING DOORS</b> Removing doors with chowket (Page No. 12, Item No. 33-a)	6	Each	142.18	853.08
4	<b>REMOVING WINDOW / VENTILATORS</b> Removing window and sky light with with chowket (Page No. 12, Item No. 33-b)	4	Each	102.85	411.40
5	<b>FLUSH DOOR</b> 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)	100.00	Per Sft	998.46	99,846.00
6	<b>SUB FLOORING</b> 3" thick - ratio (1:3:6) Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h)	440.00	%Cft	12,595.00	55,418.00
7	<b>GLASS PANES</b> Glazing with panes (24 oz to 26 oz.) using putty and deodar wooden 1st class fillets. (Page No. 63, Item No. 46)	190.00	Per Sft	163.90	31,141.00
8	<b>SCRAPPING OLD PAINT</b> Scrapping white wash or colour wash (Page No. 13, 54-a)	12,000.00	%Sft	75.63	9,075.60
9	<b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)	12,000.00	%Sft	442.75	53,130.00

## Up-Gradation of GVS (G) at Sachal Goth, Karachi (Remaining Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
10	<b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	4,100.00	%Sft	1,079.65	44,265.65
11	<b>INTERNAL WALL PAINTING</b> 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)	4,200.00	%Sft	3,444.38	144,663.96
12	<b>WEATHER COAT</b> 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)	3,500.00	%Sft	2,567.95	89,878.25
13	<b>ENAMEL PAINT ON WOOD WORKS</b>				
a	Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)	750.00	%Sft	2,116.41	15,873.08
b	Priming Coat	750.00	%Sft	862.95	6,472.13
c	Each Subsequent Coat of Paint (two coats)	750.00	%Sft	1,253.46	9,400.95
14	<b>ENAMEL PAINT ON IRON WORKS</b> 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)	710.00	%Sft	977.40	6,939.54
15	<b>WOODEN ARCHITRAVE</b> 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)	100.00	Per Rft	49.97	4,997.00
16	<b>SURFACE RENDERING</b> Cement Plaster 1:5 upto 12' height				
a	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	330.00	%Sft	2,678.50	8,839.05
b	½" thick <u>Internal Wall Plaster</u> (Page No. 51, Item No. 12-b)	370.00	%Sft	2,241.80	8,294.66
Sub Total				Rs=	593,819.04
___ % above / below					
Cost of Civil Work (Scheduled Items)					

## Up-Gradation of GVS (G) at Sachal Goth, Karachi (Remaining Work)

## Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
17	<b>PLASTER PATCHES (SLAB)</b> Plastering 2" to 3" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping 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 required layers. (upto any height and any floor)	750.00	Sft		
18	<b>PLASTER PATCHES (WALL)</b> Plastering ¾" to 1" thick in <b>patches</b> in cement and sand mortar 1:4 including curing and scraping 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)	820.00	Sft		
19	<b>REMOVAL OF BROKEN GLASS PANES</b> Removing the broken Glass Panes (any thickness) with iron nail and putty on wooden beading as required in any floor at any height. Complete in all respect as per direction of the Architect / Engineer-in-Charge.	220.00	Sft		
20	<b>SHUTTER PANEL REPAIRING</b> Cutting, removing and refixing of worn out door shutters pieces with new pieces of same wood and quality making good including fixing with nails, glow etc. wherever required. Complete in all respect as per instructions of the Architect / Engineer-in-Charge. (upto any height and any floor)	250.00	Sft		
21	<b>ROOM DOOR LOCKS</b> 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.	3	Each		
22	<b>DOOR CLOSER</b> Providing and fixing with brass screws or specially supplied screws hydraulic door closer Rayobi, Yale or approved manufacturer Japan make, cutting wood etc to required shape and size. Complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.	1	Each		

## Up-Gradation of GVS (G) at Sachal Goth, Karachi (Remaining Work)

### Bill of Quantities

Non-Schedule Items (Civil Work)					
S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
23	<b>IRON FITTING</b> Providing and fixing iron hinges, tower bolts, cleats, handles, alldrops etc. in repairable wooden doors, windows and ventilators wherever required as per instructions of the Architect / Engineer-in-Charge.	25	Nos		
Cost of Civil Work (Non-Schedule Items)					Rs=

Cost of Scheduled Items (Civil Work)

Rs=

Cost of Non-Scheduled Items (Civil Work)

Rs=

**Total Cost of Work**

Rs=

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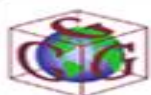


## BOQ

### CONSTRUCTION POLY TECHNIC INSTITUTE AT KUNRI TALUKA KUNRI DISTRICT UMERKOT PHASE-1

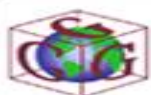
#### Part A- Man Building

ASBTRACT SHEET					
QTY.	S.#	DESCRIPTION	RATE	UNIT	AMOUNT
25544.0	01.	Excavation in foundation of building bridge and other str:I/c dabbling dressing refilling around the str: with excavated earth watering ramming lead up to 5" ft. (In ordinary soil) S.No 18-b P/4).		%0sft	
4237.0	02.	Cement concrete brick or stone ballast 1 ½" to 2" gauge ratio 1:6:12		%sft	
17453.0	03.	Cement concrete plain ratio 1:3:6		%sft	
23270.0	04.	Erection & removal of contring		%sft	
26118.0	05.	R.C.C work i/c all labour and materiel except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also including all kinds of forms moulds lifting shuttering curing rendering & finishing the exposed surface (including screening and washing of single (a) R.C work in roof lab beams Columns rafts lintels and another structure member laid in site or precast laid in position complete in all respect (i) Ratio 1:2:4 (90) Lbs cement 2,cfft sand 4,cft, shingle 1/8, to ¼, gauge. (S.I.No-6 P-17)		Pcft	
1620.26	06.	Fabrication of mild steel reinforcement for cement concrete including cutting & bending laying in position making joints and fastenings including cost of binding wire also include removal of rust from bars. (S.I.No. 7(ii) P-19)		Pcwt	
480.00	07.	Pacca brick work in foundation in plinth cement sand mortar (1:6) (S.I.No. 4 P-23)		%cft	
25097.0	08.	Pacca brick work in G.F in cement sand mortar ratio 1:6 (S.I.No. 5 P-24)		%cft	
997.00	09.	P/F G.I frames/Chowkhats of size 7"x2" or 4 ½" x3" for door using 20		Prft	





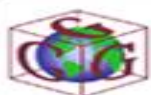
	guage G.I sheet i/c welded hinges and fixing at site with necessary sand slurry of ratio 1:6 and repairing the jambs. The cost also i/c all carriage tool and plants used in making fixing.	
1205.00	10. P/F G.I frames/Chowkhats of size 7"x2" or 4 ½" x3" for door using 20 guage G.I sheet i/c welded hinges and fixing at site with necessary sand slurry of ratio 1:6 and repairing the jambs. The cost also i/c all carriage tool and plants used in making fixing.	Prft
90.00	11. Supplying and fixing in position Alminirum framing for silding windows ventila tar of Alcop made with 5 mm thick tinted glass glazing scveam i/c glass gazing (belum) and Ahminva fly sevean i/c handle stopper and lecking arrangement etc. complete S.I.No P. No.	Psft
2060.00	12. 1 <sup>st</sup> class deoder wood wrought joinery in door and windows etc fixed in position i/c chowkhats hold fast hings iron tower bolts cock leatrs handles and with hook etc.	Psft
51180.0	13. Cement plaster 1:6 Upto 20" height (a) ½" thick (S.I.No 13-b P-57)	%sft
51180.0	14. Cement plaster 1:4 Upto 20" eight. (a) 3/8 "thick (S.I.No. 11a P-57)	%sft
8333.00	15. Cement pointing on wall ratio 1:2	%sft
17029.0	16. Filling watering ramming earth in floor with surplus earth from foundation lead up to one chain and lift up to 5 feet (S.I.No 21 P-5)	%0cft
58422.0	17. Filling watering ramming earth under floor with new earth (Excavated from outside) lead upto one chain and and lift up to 5 feet (S.I.No 22 P-5)	%0cft
6426.00	18. Cement concrete brick or stone ballast 1 ½" to 2" gauge ratio 1:5:10 (S.No 4-c P-16)	%cft
19475.0	17. Mosaic tile of white cement 12"x12"x1	%sft
874.00	18. White glazed tiles ¼" in white cement 1:2 over ¾" thick cement mortar 1:2 complete (S.I.No. P- )	%sft





25734.0	19.	Providing & lying cement concrete topping 1:2:4 1 1/2" thick	%sft
51180.0	20.	Primary coat of chalk under distempering	%sft
51180.0	21.	Distempering wall three coats	%sft
4120.00	22.	Painting new surface painting door and windows any type three coats	%sft
19474.0	23.	White washing wall three coats	%sft

TOTAL

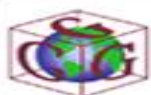




**ESTIMATE FOR CONSTRUCTION POLY TECHNIC INSTITUTE AT KUNRI TALUKA KUNRI  
DISTRICT UMERKOT**

**PART B- ALL ROUND COMPOUND WALL**

QTY.	S.#	DESCRIPTION	RATE	UNIT	AMOUNT
7697	01.	Excavation in foundation of building bridge and other str:I/c dabbling dressing refilling around the str: with excavated earth watering ramming lead up to 5" ft. (In ordinary soil) S.No 18-b P/4).		%0sft	
1535	02.	Cement concrete brick or stone ballast 1 ½" to 2" gauge ratio 1:6:12		%sft	
3030	03.	Cement concrete plain ratio 1:3:6		%sft	
4800	04.	Erection & removal of contring		%sft	
680	05.	R.C.C work i/c all labour and materiel except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also including all kinds of forms moulds lifting shuttering curing rendering & finishing the exposed surface (including screening and washing of single (a) R.C work in roof lab beams Columns rafts lintels and another structure member laid in site or precast laid in position complete in all respect (i) Ratio 1:2:4 (90) Lbs cement 2,cfft sand 4,cft, shingle 1/8, to ¼, gauge. (S.I.No-6 P-17)		Pcft	
20.40	06.	Fabrication of mild steel reinforcement for cement concrete including cutting & bending laying in position making joints and fastenings including cost of binding wire also include removal of rust from bars. (S.I.No. 7(ii) P-19)		Pcwt	
3434	07	Pacca brick work in G.F in cement sand mortar ratio 1:6 (S.I.No. 5 P-24)		%cft	

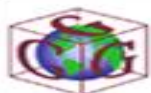






14403	08.	Cement plaster 1:6 Upto 20" height (a) 1/2" thick (S.I.No 13-b P-57)	%sft
14403	09.	Cement plaster 1:4 Upto 20" eight. (a) 3/8 "thick (S.I.No. 11a P-57)	%sft
14403	10.	color washing wall three coats 3coat over 1coat of whit was	%sft
168	11	N/F Iron steel grated door 2x2x1/4 angle iron frame with 3/4 square bar 4inch center to center with locking arrangement	%sft
336	12	Painting guard bars gate iron steel grill open similar work 3coat	%sft

**Total**

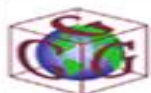




**ESTIMATE FOR CONSTRUCTION POLY TECHNIC INSTITUTE AT KUNRI TALUKA KUNRI  
DISTRICT UMERKOT**

**PART (C) INTERNAL ELECTRIC WORK**

Qty	S.NO	DESCRIPTION	RATE	UNIT	AMOUNT
400	1	Wiring for light or fan point Swith 1/1 .13(3/.029)PVC insulated wire in 20mm(3/4) PV conduct in casing &capping patti		P.Point	
40	2	Wring for plug point with 1/1.13(3/.029)PVC insulated wire in 20mm(3/4)PV conduct casing & copping patti		P.point	
				Total	

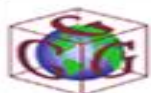




**ESTIMATE FOR CONSTRUCTION POLY TECHNIC INSTITUTE AT KUNRI TALUKA KUNRI  
DISTRICT UMERKOT**

**PART (D) EXTERNAL DRAINAGE**

QTY	S#	DESCRIPTION	RATE	UNIT	AMOUNT
25	1	Construction of main hole or inspection chamber for the raq dia of circular sewer and 3,6 107am depth with walls B.B in cement mortar 1,2 cement plaster 1,3 ½ thick over bending and cannell i/c fixing C.L Manhole cover frame of walls and clear opening ½ x1 ½ 457mmx457mmof 1.75owt 88.9kg embedded in plain C.C 1,2,4 and fixing 1,25mm dia M.s steps 6.150mm wide projecting 4, 102mm from the face of wall of 12 305mm C.C duly painted etc complete No D P I of public health circle southern zone a 4to 12 dia 2x2x3x6		Each	
20	2	Construction of small wheel valve chamber clear inside size 18x18x18with wall of 9 thick b.b 14cement mortar 1:3:6cement plaster		Each	
900	3	Providing RCC pipe a color of class b and fixing in trench i/c cutting fitting and bending with maxphat composition and cement i.i i/c testing composition with water to a head of 22.5 matter of 75 GFT B 4 dia RCC pipe		Prft	
3600	4	Execution of pipe line with brachnes in soft i/c remming and dressing side to true alinment shope level and trade cutting fitting joint hales disposer of surplus earth with in encenain as direction by engineer inenarage providing fancy gurd light		%ocft	
800	5	Providing G.I pipe and special & calim etc i/c the cost of bracking through walls and roof making good etc painting two coats after cleaning the pipe etc with white zink paint with pigement to match the color of the building and testing with water to pressure head of 200 feet and handling .		prft	
				<b>Total</b>	

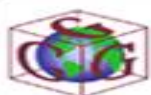




**ESTIMATE FOR CONSTRUCTION POLY TECHNIC INSTITUTE AT KUNRI TALUKA KUNRI  
DISTRICT UMERKOT**

**PART (E) W/T, AND PLINTH PROTECTION**

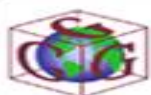
QTY.	S.#	DESCRIPTION	RATE	UNIT	AMOUNT
17220.0	01.	Excavation in foundation of building bridge and other str:l/c dabbling dressing refilling around the str: with excavated earth watering ramming lead up to 5" ft. (In ordinary soil) S.No 18-b P/4).		%0sft	
2701.0	02.	Cement concrete brick or stone ballast 1 ½" to 2" gauge ratio 1:5:10 (S.No 4-c P-16)		%sft	
580	03.	R.C.C work i/c all labour and materiel except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also including all kinds of forms moulds lifting shuttering curing rendering & finishing the exposed surface (including screening and washing of single (a) R.C work in roof lab beams Columns rafts lintels and another structure member laid in site or precast laid in position complete in all respect (i) Ratio 1:2:4 (90) Lbs cement 2,cfft sand 4,cft, shingle 1/8, to ¼, gauge. (S.I.No-6 P-17)		Prft	
29	04.	Fabrication of mild steel reinforcement for cement concrete including cutting & bending laying in position making joints and fastenings including cost of binding wire also include removal of rust from bars. (S.I.No. 7(ii) P-19)		Pcwt	
9616	05.	Pacca brick work in foundation of building with cement sand mortar 1:6 ratio.		%sft	
				<b>Total</b>	





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## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

### Summary of Cost

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Civil Work (Scheduled Items) (Page No. 02 - 07)	Rs= _____
2	Cost of Civil Work (Non-Scheduled Items) (Page No. 08 - 09)	Rs= _____
	<b>Sub Total of Civil Work</b>	<b>(A)</b>
3	Cost of Plumbing Work (Scheduled Items) (Page No. 10 - 13)	Rs= _____
4	Cost of Plumbing Work (Non-Scheduled Items) (Page No. 14 - 14)	Rs= _____
	<b>Sub Total of Plumbing Work</b>	<b>(B)</b>
5	Cost of Electrical Work (Scheduled Items) (Page No. 15 - 15)	Rs= _____
6	Cost of Electrical Work (Non-Scheduled Items) (Page No. 16 - 19)	Rs= _____
	<b>Sub Total of Electrical Work</b>	<b>(C)</b>
<b>Total Cost of Work (A+B+C)=</b>		<b>Rs=</b>

\_\_\_\_\_  
**The Director (Works & Services)**

Dated: \_\_\_\_\_

\_\_\_\_\_  
 Contractor's Signature with Stamp

Dated: \_\_\_\_\_

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

### Bill of Quantities

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<b>EXCAVATION IN FOUNDATION</b> Excavation in foundation 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)				
	In Ordinary Soil	1,000.00	%0Cft	3,176.25	3,176.25
2	<b>DISMANTLING</b> Dismantling bricks work in lime or cement mortar (Page No. 10, Item No. 13)	1,000.00	%Cft	1,285.63	12,856.30
3	<b>DISMANTLING</b> Dismantling cement concrete plain 1:2:4 (Page No. 10, Item No. 19-c)	1,200.00	%Cft	3,327.50	39,930.00
4	Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (Page No. 10, Item No. 20)	500.00	%Cft	5,445.00	27,225.00
5	<b>REMOVING DOORS</b> Removing doors with chowket (Page No. 12, Item No. 33-a)	40	Each	142.18	5,687.20
6	<b>SCRAPPING PAINT</b> Scrapping ordinary distemper, oil bound distemper or paint on walls. (Page No. 13, Item No 54-b)	60,900.00	%Sft	226.28	137,804.52
7	<b>REMOVAL OF PLASTER</b> Removing cement or lime plaster. (Page No. 13, Item No. 33)	5,000.00	%Sft	121.00	6,050.00
8	<b>CC PLAIN</b> Cement concrete plain including placing compacting, finishing and curing complete (including screining and washing at stone aggregate without shuttering (Page No. 15, Item No. 5)				
a	Ratio 1:4:8	6,250.00	%Cft	11,288.75	705,546.88
b	Ratio 1:3:6	6,100.00	%Cft	11,288.75	688,613.75
9	<b>SITU 1:3:6</b> Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h+17/19b(i))				
	ratio (1:3:6)	500.00	%Cft	16,183.48	80,917.40



## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

### Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
10	<p><b>RCC WORK</b> 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.</p> <p>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.</p> <p><b>Beam &amp; Lintels, Slab &amp; Projections, Sun Shade</b> - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.</p>	1,000.00	Per Cft	337.00	337,000.00
11	<p><b>STEEL REINFORCEMENT</b> Fabrication of mild steel reinforcement 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.</p> <p>Using Tor Bars</p>	40.00	Per Cwt	5,001.70	200,068.00
12	<p><b>BRICK MASONRY</b> Pacca Brick Work in ground floor in cement sand mortar (1:4) Page No. 20, Item No. 5-I(c)</p>	1,000.00	%Cft	13,227.41	132,274.10
13	<p>Pacca Brick Work in foundation ground floor in cement sand mortar (1:4) Page No. 20, Item No. 5-I(c)</p>	515.00	%Cft	13,227.41	68,121.16
14	<p><b>EXPANDED METAL</b> Providing and fixing G.I. expanded metal ½ - 20 gauge fixed to chowkats with ¾" deodar strips and screws. (Page No. 65, Item No. 66-a)</p>	1,380.00	Per Sft	178.68	246,578.40
15	<p><b>FINISH FLOORING</b> Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (Page No. 41, Item No. 16-c)</p>	10,000.00	%Sft	3,275.50	327,550.00

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
16	<p><b>FLUSH DOOR</b> 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)</p> <p>Rate of Door: Rs. 1,227.36 - G.I. Frame Rs. 228.90 = Door &amp; Windows (Rs. 998.46)</p>	1,600.00	Per Sft	998.46	1,597,536.00
17	<p><b>SURFACE RENDERING</b> Cement Plaster 1:5 upto 12' height</p>				
a	½" thick (Page No. 51, Item No. 12-b)	5,000.00	%Sft	2,241.80	112,090.00
b	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	6,000.00	%Sft	2,678.50	160,710.00
18	<p><b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)</p>	90,800.00	%Sft	442.75	402,017.00
19	<p><b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats</p>	29,600.00	%Sft	1,079.65	319,576.40
20	<p><b>INTERNAL WALL PAINTING</b> 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)</p>	45,400.00	%Sft	3,444.38	1,563,748.52
21	<p><b>WEATHER COAT</b> 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&amp;b)</p>	15,800.00	%Sft	2,567.95	405,736.10
22	<p><b>ENAMEL PAINT ON WOOD WORKS</b> Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)</p>	1,530.00	%Sft	2,116.41	32,381.07
a	Priming Coat	1,530.00	%Sft	862.95	13,203.14
b	Each Subsequent Coat of Paint (two coats)	1,530.00	%Sft	1,253.46	19,177.94

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
23	<b>FRENCH POLISH</b> French Ppolishing complete on new work (Page No. 70, Item No. 7-a)	550.00	%Sft	3,841.75	21,129.63
24	<b>ENAMEL PAINT ON IRON WORKS</b> 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)	3,280.00	%Sft	977.40	32,058.72
25	<b>IRON GRILL</b> 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)	1,720.00	Per Sft	194.16	333,955.20
26	<b>ROOF SCREEDING</b>				
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)	28,000.00	%Sft	4,411.82	1,235,309.60
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)	28,000.00	%Sft	1,887.40	528,472.00
27	<b>HALA TILES</b> Providing and laying HALA or pattern tiles glazed 6" X 6" X ¼" on floor or wall facing in required colour and pattern of STILE as per specification jointed in white cement and pigment over a base of 1:2 grey cement mortar ¾" thick including washing and filing of joints with slurry of white cement and pigment in desired shape with finishing, cleaning and cost of wax polish etc. complete including cutting tiles to proper profile. (Page No. 47, Item No. 61)	1,000.00	%Sft	47,651.56	476,515.60
28	<b>MARBLE TILE FLOORING</b> Laying 1" thick white marble flooring fine dressed on the surface without winding set in lime mortar 1:2 including rubbing and polishing of the joints. (Page No. 42, Item No. 28-b)	6,100.00	P.Sft	628.93	3,836,473.00
29	<b>MARBLE TILE SKIRTING</b> Providing and fixing ¾" thick marble tiles of approved quality and colour and shade size 8" X 4" / 6" X 4" in dado skirting and facing removal / tucking of existing plaster surface etc. over ½" thick base of cement mortar 1:3 setting of tiles in slurry of white cement over mortar base including filling the joints and washing the tiles with white cement slurry, curing, finishing, cleaning for old works. (Page No. 48, Item No. 68)	1,600.00	Per Sft	201.07	321,712.00

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

## Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
30	<b>GLAZED CERAMIC TILE (BATHROOM)</b> Laying floors of approved coloured glazed tiles ¼" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	2,500.00	%Sft	27,747.06	693,676.50
31	<b>GLAZED TILE DADO</b> Glazed tile dado ¼" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 38)	6,000.00	%Sft	28,299.30	1,697,958.00
32	<b>FALSE CEILING</b> 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)	1,720.00	%Sft	25,293.42	435,046.82
33	<b>STEEL DOOR</b> Making & fixing steel grated doors complete with locking arrangement angle iron frame 2" X 2" X ¾" X ¾" sq.bars 4" centre to centre. (Page No. 91, Item No. 23)	50.00	Per Sft	594.57	29,728.50
34	<b>ALUMINUM WINDOWS / VENTILATORS</b> 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. 84(b))	200.00	Per Sft	1,647.69	329,538.00
35	<b>TERMITE PROOFING</b> 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)	28,200.00	Per Sft	9.74	274,668.00
36	<b>PAVING BLOCKS</b> Providing and fixing cement paving blocks flooring having size of 197 X 97 X 80 mm of city / quddra / cobble shape with pigmented having strength between 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner / pattern and desing etc. complete (Page No. 49, Item No. 74)	3,000.00	Per Sft	248.17	744,510.00

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

### Bill of Quantities

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
37	<b>PRECAST JALI</b> Providing and fixing ornamental cement jali 2" thick (1:2:4) without steel. (Page No. 17, Item No. 11)	100.00	Per Sft	226.02	22,602.00
38	<b>NOTICE BOARD</b> Notice board made with cement	300.00	P.Sft	58.11	17,433.00
39	<b>KERB STONE</b> Providing and fixing Precast Edge Block 3750 PSI Industrial made size 6" thick x 12" long x 18" high including the cost of cartage, excavation, form work for haunching 1450 PSI lean concrete, 2250 PSI concrete for huanching, 1:4 cement sand mortar. VOL-III (Part-VI) (Page No. 15, Item No. 14)	1,000.00	Per Rft	297.01	297,010.00
Sub Total				Rs=	18,973,371.69
____ % above / below					
Cost of Civil Work (Scheduled Items)					

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

## Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
40	<p><b>TAKING OUT FITTINGS</b></p> <p>Taking out carefully of required all type of electrical and plumbing fitting and fixtures, air-conditioner with frame including G.I. Pipe, C.I Pipe, PVC Pipe and R.C.C Pipes etc. Complete in all respects including cutting of wall / plinth care and its repairing to original shape and specification stacking salvaged materials at site and disposing of unserviceable material by the Engineer-in-Charge upto any height and any floor.</p>	Lum Sump	Job		
41	<p><b>SHUTTER PANEL REPAIRING</b></p> <p>Cutting, removing and replacement of worn out door shutters pieces with new pieces of same wood and quality making good including fixing with nails, glow etc. wherever required. Complete in all respect as per instructions of the Architect / Engineer-in-Charge. (upto any height and any floor)</p>	550.00	Sft		
42	<p><b>IRON FITTING</b></p> <p>Providing and fixing iron hinges, tower bolts, cleats, handles, alldrops etc. in repairable wooden doors, windows and ventilators wherever required as per instructions of the Architect / Engineer-in-Charge.</p>	500	Nos		
43	<p><b>MARBLE TREADS / RISER</b></p> <p>Providing and laying marble tiles on stairs with proper nosing of approved quality, shade and of required size and thickness on treads and risers of steps laid in CM 1:2 over and including the base of 1" thick CC 1:4 jointing and grouting the tiles with white cement slurry or matching colour, curing, grinding, cutting, rubbing and chemical polishing etc. complete as per specifications and directions of the Architect (upto any height in any floor)</p>				
a	Treads (size of marble tiles 24" X 24" X 1" thick )	250.00	Sft		
b	Riser (size of marble tiles 24" X 6" X ½" thick)	120.00	Sft		
44	<p><b>FACING TILE</b></p> <p>Providing and fixing best quality approved Facing Tiles 24" X 24" of approved pattern and colour on ¾" thick cement plaster base ratio 1:4 (with matching colour slurry) upto any height. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.</p>	200.00	Sft		

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

### Bill of Quantities

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
45	<b>ROOM DOOR LOCKS</b> 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.	20	Each		
46	<b>DOOR CLOSER</b> Providing and fixing with brass screws or specially supplied screws hydraulic door closer Rayobi, Yale or approved manufacturer Japan make, cutting wood etc to required shape and size. Complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.	5	Each		
47	<b>PVC RAIN DOWN PIPE</b> Providing and fixing 3" dia polyving chloride rain water down pipe including tees, socket, bend and clamp bolts et, complete in all respect as per instruction by the Architect / Engineer. (DADEX or approved equivalent) upto any height and floor.	150.00	Rft		
48	<b>ELECTRIC WATER COOLER</b> Providing and fixing of electric water coolers totally rust proof, pressure type with stainless steel body as manufactured by MECO including 3 stage water filter (mabzi or equalvent) as approved by the Engineer. Capacity 20 US gallons (MECO Model ME-30SS)	1	Each		
Cost of Civil Work (Non-Schedule Items)				Rs=	

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

### Bill of Quantities

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
49	<p><b>PAKISTANI WC</b> 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)</p>	8	Each	5,728.80	45,830.40
50	<p><b>EUROPEAN WC</b> 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.</p>	2	Each	4,440.70	8,881.40
51	<p><b>GULLY TRAP</b> Providing and fixing 6" X 6" X 4" CC Gully Trap with 4" outlet complete 4" thick 1:2:4 CC for bed &amp; ½" thick cement plaster (1:3) to the kerb, C.I. grating 6" X 6" &amp; C.I. Cover and frame 12" X 12" (inside) etc. complete (Page No. 23, Item No. 1)</p>	6	Each	1,193.17	7,159.02
52	<p><b>LAVATORY BASIN</b> Providing and fixing 24" X 18" lavatory basin in white glazed earthen ware complete with &amp; including the cost of W.I. or C.I. cantilever brackets 6" built into walls painted white in two coats after a primary coat of red lead paint a pair 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+ 3/11.</p>	6	Each	7,461.47	44,768.82
53	<p><b>NYLON CONNECTION</b> 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)</p>	12	Each	447.15	5,365.80



## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

## Bill of Quantities

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
54	<b>BATHROOM ACCESSORIES</b> 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	3	Each	10,322.40	30,967.20
55	<b>C.I.TRAP</b> 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 cast 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)	8	Each	2,024.43	16,195.44
56	<b>BIB COCKS</b> Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	2	Each	3,432.00	6,864.00
57	<b>TEE STOP COCKS</b> Supply and fixing ½" dia concealed tee stop cock of superior quality with cp head (CH-VI-Page No. 18, Item No. 12-b)	15	Each	889.46	13,341.90
58	<b>LONG BIB COCKS</b> Supply and fixing ½" dia long bib cock of crystal head of superior quality. Complete (CH-VI-Page No. 19, Item No. 13-b)	6	Each	1,384.24	8,305.44
59	<b>PILLER COCK</b> Supply and fixing swan type piller cock of superior quality with crystal head. complete (CH-VI, Page No. 19, Item No. 16-b)	8	Each	877.80	7,022.40
60	<b>MUSLIM SHOWER</b> Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	10	Each	3,432.00	34,320.00
61	<b>STOP COCK</b> Supply and fixing concealed tee- stop cock of superior quality with c.p. head ½" dia (Page No. 18, Item No. 12-a)	5	Each	843.92	4,219.60

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

## Bill of Quantities

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
62	<b>LOOKING MIRROR</b> Providing and fixing 24" X 18" bavelled edge mirror of Belgium glass complete with ½" thick hard. (Superior Quality) CH-II-Page No. 7, Item No. 3-b	6	Each	2,376.00	14,256.00
63	<b>SOAP TRAY</b> Supplying and fixing soap tray earthen ware with each CP Screws etc. complete. CH-II-Page No. 8, Item No. 5)	6	Each	497.20	2,983.20
64	<b>TOWEL RAIL</b> 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)	3	Each	972.95	2,918.85
65	<b>HANDLE VALVE</b> 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	5	Each	271.92	1,359.60
b	CH-VI-Page No. 17, Item No. 5-iii	6	Each	365.42	2,192.52
66	<b>RCC PIPE</b> Providing 6" dia RCC Pipe with collars class 'B' and digging the trenche to required depth and fixing imposition including cutting, fitting and jointingwith 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)	310.00	Rft	199.25	61,767.50
67	<b>G.I. PIPE</b> Providing G.I.Pipes, specials and clamps etc. including fixing cutting & fitting complete with and i/c the cost of breaking through walls and roof making good etc. painting two coats after cleaning the pipe etc. with white zink paint with pigment to match the colour of the buildings and testing with water to a pressure head of 200 feet and handling. (CH-IV-Page No. 12, Item No. 1)				
a	½ Ø	320.00	Rft	73.21	23,427.20
b	¾ Ø	320.00	Rft	95.79	30,652.80
c	1¼ Ø	95.00	Rft	153.19	14,553.05

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

### Bill of Quantities

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
68	Add extra labour for ½" dia concealed G.I.Pipe and fittings i/c making recess in the wall for pipe and making good in cement mortar etc. complete (CH-IV-Page No. 2, Item No. 1)	145.00	Rft	7.82	1,133.90
69	<b>MANHOLE</b> 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.	2	Each	14,748.00	29,496.00
Sub Total				Rs=	417,982.04
___ % below / above					
Cost of Plumbing Work (Scheduled Items)					

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

## Bill of Quantities

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
70	<b>UPVC PIPES</b> Providing and fixing un plasticized Polyvinyl Chloride Pipe (U.P.V.C) class 'B' for cold & hot water with fitting tees, bends, elbows, sockets, reducing sockets, union (all specials) and clamps including fixing cutting and fitting etc. breaking through walls, beams and chase cutting etc. and making good condition. complete in all respect as per instructions of the Architect / Engineer - in - Charge. (DADEX or approved equalvent)				
a	Do. Do. 3" dia pipe	60.00	Rft		
b	Do. Do. 4" dia pipe	75.00	Rft		
71	<b>MONO BLOCK PUMPING SET</b> Providing and fixing mono block pumping set complete with ½ HP pump 2800 RPM complete with AC 220 V single phase motor on a common base plate having suction & discharge 1" X 1" and 40' head as approved including excavation, cast of RC foundation in ratio 1:2:4 S.R.C fairface including supply and installation of foundation bolts and nuts etc. of required dia meter. Complete in all respect as per instructions of the Engineer-in-Charge.	1	Each		
72	<b>MOTOR STARTER</b> Providing and fixing manual operated star delta starter suitable for AC. Single phase 50 cycle supply upto 12/25 amps trip rating on a prepared board. Complete in all respect as per instructions of the Engineer-in-Charge.	1	Each		
73	<b>3" DIA NON RETURN VALVE</b> Providing & fixing 1½" dia non return valve. Complete in all respect as per instructions of the Engineer-in-Charge.	1	Each		
<b>Cost of Plumbing Works (Non-Scheduled Items)</b>				<b>Rs=</b>	

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

### Bill of Quantities

(Electrical Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
74	<b>WIRING FOR LIGHT / FAN</b> 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)	280.00	Per Point	1,130.00	316,400.00
75	<b>WIRING FOR PLUG POINT</b> 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)	80.00	Per Point	669.00	53,520.00
76	<b>CEILING ROSE</b> Providing and fixing bakelite ceiling rose with two terminals (Page No. 33, Item No. B-228)	155	Each	72.00	11160.00
77	<b>CEILING FAN</b> 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)	80	Each	3,185.00	254,800.00
78	<b>WALL BRACKET FAN</b> Providing and installing 45 Cm (18") sweep wall bracket fan complete with blades regulator & pulling cord switch fitted on wall or column with GI clip including connection as required. Millat / Pak / Younas / Climax / Royal. (Page No. 34, Item No. C-236)	3	Each	1,884.00	5,652.00
79	<b>WIRING FOR LIGHT CIRCUIT</b> 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)	300.00	Per Meter	139.00	41,700.00
80	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)	12.00	Per Meter	305.00	3,660.00
Sub Total				Rs=	686,892.00
_____ % above / below on Scheduled Items				Rs=	
<b>Cost of Scheduled Work</b>				<b>Rs=</b>	

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

## Bill of Quantities

Non-Schedule Items (Electrical Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
81	Same item 80 above but DB to out Let 20 Amps with 2x6mm sq mm + 1x2.5mm as Ecc	1	Per Point		
82	<b>MAIN CABLE</b> providing and laying (Main or Sub Main ) 4x10mm <sup>2</sup> PVC insulated 300/500 volts grade with standard copper conductor wire in 30mm 1-1/4" dia PVC conduit recessed in the wall or column and roof etc i/c 2.5 mm <sup>2</sup> PVC insulated wire single core wire as ECC as required.	160.00	Per Meter		
83	<b>SWITCHES</b> Providing & fixing 5/10 Amps SP Switch Polycarbonate flame retardant with fancy gang 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.				
a	One Gang Switch	4	Each		
b	Two Gang Switch	7	Each		
c	Three Gang Switch	2	Each		
d	Four Gang Switch	13	Each		
e	Five Gang Switch	4	Each		
f	Six Gang Switch	11	Each		
g	Eight Gang Switch	24	Each		
84	<b>3 PIN PLUG SOCKET</b> Providing & fixing 5/10 Amps SP Switch 3 Pin Plug Socket Polycarbonate flame retardant with fancy gang 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.	80	Each		
85	<b>TELEPHON SOCKET</b> Providing & fixing Polycarbonate flame retardant Telephone socket 4 contact single 2 line with fancy gang 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.	14	Each		
86	<b>3 PIN POWE PLUG</b> Providing & fixing 15 Amps SP Switch 3 Pin Power Plug Socket Polycarbonate flame retardant with fancy gang 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.	2	Each		

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

## Bill of Quantities

Non-Schedule Items (Electrical Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
87	<b>FITTING &amp; FIXTURE</b> Providing & fixing basic batten, surface type, fitting complete with TL'D 1x36W/colored/ day light lamp, starter, electro magnetic ballast & capacitor as Philips Cat. (TMS-015/136)	36	Each		
88	Providing & fixing basic batten, surface type, fitting complete with TL'D 2x36W/colored/ day light lamp, starter, electro magnetic ballast & capacitor as Philips Cat. (TMS-015/236)	50	Each		
89	<b>CEILING GLOBE</b> Providing and fixing 8" /10 ceiling Globe Fitting complete glass /fiber shade with brass batten holder with 23 watts Energy saver lamp philips as required.	54	Each		
90	<b>FAN DIMMER</b> 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.	80	Each		
91	<b>EXHAUST FAN</b> Making Hole of Exhaust Fan 12" Size with cutting plaster of the wall and finish good the same as required.	5	Each		
92	Providing & installing 40 Cm (12") sweep, metallic body Exhaust fan complete with blades, motor, etc fitted in existing hole including connection with 14.0076" flexible wire complete as required Millat/Pak/SM Din & Sons/Climax.	5	Each		
93	Providing & fixing heavy gauge metallic shutter, suitable for 16" sweep exhaust fan's fitted on existing hole as required.	5	Each		
94	<b>LIGHTING</b> Providing and fixing recessed mounting luminaries with metallic ' M2' type TL'D'2x36 white day light lamp ,starter ,electro magnetic ballast & capacitor complete Philips (Cat .No.TBS-236 M2 as required.	4	Each		
95	Providing & fixing 20 Amps DPMCCB in metal box flush /surface type i/c connection as required,	1	Each		

## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

## Bill of Quantities

Non-Schedule Items (Electrical Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
96	<b>PVC CONDUIT</b> Supply & fixing 25mm <sup>2</sup> (1") dia PVC conduit with all especial such as bends, socket junction etc recessed in the wall or column as required				
a	20mm (3/4") Dia	1,000.00	P/M		
b	25mm (1") Dia	500.00	P/M		
c	30mm (1-1/4") Dia	500.00	P/M		
97	<b>uPVC Pipe</b> Providing and laying 50mm dia uPVC pipe installed already prepared under floor cable trench, including all installation accessories, complete in all respect as per instruction of the engineer in charge.	200.00	P/Rft		
98	<b>TELEPHONE CABLE</b> 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.	1,500.00	P/Rft		
99	<b>MAIN PANEL &amp; DB,S</b> Providing and fixing Wall/Floor/flush type main Electric Panel, fabricated with heavy gauge sheet steel (not less than 16SWG) suitable for operation on 440 volts, 3 phase, 4 wire, 50 cycle, AC supply, dully painted with superior quality of enamelled paint after degreasing and phosphating process. with equipped with following accessories. <b>INCOMING</b> 1-60/75 Amps TPMCCB (Tarasaki) 1-set control wiring/Busbar 3x Indicator lamp 3x Phase Selector switch 1x Amper Meter 1x Volt meter 1-Set CTs Neutral connecting terminals. Earth connecting terminals. <b>OUT GOING</b> 4x15/30 Amps TPMCB (Tarasaki)	1	P/Job		



## Establishment of Polytechnic Institute at Razaqabad, Malir, Karachi (Balance Work)

### Bill of Quantities

Non-Schedule Items (Electrical Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
100	<p>Same as item 99 above but Flush /Wall mounted DB incoming &amp; out going as under .</p> <p><b>INCOMING</b></p> <p>1x15/30 Amps TPMCCB (Tarasaki)</p> <p>3x Indicator lamp</p> <p>1x Neutral connecting terminals.</p> <p>1x Earth connecting terminals.</p> <p><b>OUT GOING</b></p> <p>20x6/10 Amps SPMCB</p> <p>01x20 Amps DPMCB</p> <p>01x15 Amps SPMCB</p>	3	P/Job		
101	<p><b>EARTHING SET</b></p> <p>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.</p>	1	P/Job		
102	<p><b>ELECTRIC WATER COOLER</b></p> <p>Providing and fixing of electric water coolers 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-in-Charge.</p> <p>Capacity 20 US gallons (MECO Model ME-30SS)</p>	2	Each		
<b>Cost of Electrical Works (Non-Scheduled Items)</b>				Rs=	