

Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi

**GRAND SUMMARY OF COST**

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Ground Floor (Page No. 02 - 21)	Rs=
2	Cost of Proposed First Floor (Page No. 22 - 37)	Rs=
3	Cost of External Development Work (Page No. 38 - 41)	Rs=
4	Cost of PMT & other allied Work (Page No. 42 - 43)	Rs=
5	Cost of Compound Wall Work (Page No. 44 - 47)	Rs=
<b>Total Cost of Work</b>		<b>Rs=</b>

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

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

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

Date: \_\_\_\_\_

Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (**GROUND FLOOR**)

SUMMARY OF COST

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Civil Work (Scheduled Items) (Page No. 03 - 08)	Rs=
2	Cost of Civil Work (NSI) (Page No. 09 - 11)	Rs=
	<b>(A)</b>	<b>Rs=</b>
3	Cost of Plumbing Work (Scheduled Items) (Page No. 12 - 15)	Rs=
4	Cost of Plumbing Work (NSI) (Page No. 16 - 17)	Rs=
	<b>(B)</b>	<b>Rs=</b>
5	Cost of Electrical Work (Scheduled Items) (Page No. 18 - 19)	Rs=
6	Cost of Electrical Work (NSI) (Page No. 20 - 21)	Rs=
	<b>(C)</b>	<b>Rs=</b>
<b>Total Cost of Work (A+B+C)=</b>		<b>Rs=</b>

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

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

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

Date: \_\_\_\_\_

**Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (GROUND FLOOR)**

**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	Dismantling glazed or encaustic tiles etc. (Page No. 13, Item No. 55)	2,000.00	%Sft	786.50	15,730.00
3	<b><u>PLINTH PROTECTION</u></b>				
a	Excavation in Ordinary Soil 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)	8,930.00	%0Cft	3,176.25	28,363.91
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)				
c	Ratio 1:4:8	2,462.00	%Cft	11,288.75	277,929.03
d	Ratio 1:3:6	1,230.00	%Cft	12,595.00	154,918.50
e	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)	990.00	%Cft	15,771.01	156,133.00
f	¾" thick Cement Plaster 1:4 upto 12' height. (Page No. 51, Item No. 11-c)	4,923.00	%Sft	3,015.76	148,465.86
4	<b>FORM WORK</b> Erection and removal of centering for RCC or plain cement concrete works of Partal wood (2nd Class) Horizontal (Page No. 17, Item No. 19-bi).	1,845.00	%Sft	3,588.48	66,207.46

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(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
5	<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)	16,796.00	Per Sft	9.74	163,593.04
6	<b>SUB FLOORING</b> Cement concrete plain 3" thick - ratio (1:3:6) including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h)	600.00	%Cft	12,595.00	75,570.00
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, filling with cement sand slurry of ratio 1:6 and repairing the jambs. The cost also includes all carriage tools and plants used in making and fixing. (Page No. 92, Item No. 29)	50.00	Per Rft	228.90	11,445.00
8	<b>DOOR &amp; WINDOW</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)	1,306.00	Per Sft	998.46	1,303,988.76
9	<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.	528.00	Per Sft	567.48	299,629.44

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(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
10	<b>SURFACE RENDERING</b> Cement Plaster 1:5 upto 12' height				
a	½" thick <u>Ceiling &amp; Internal Wall Plaster</u> (Page No. 51, Item No. 12-b)	7,500.00	%Sft	2,241.80	168,135.00
b	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	15,000.00	%Sft	2,678.50	401,775.00
11	<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)	950.00	%Cft	15,771.01	149,824.60
12	<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
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)	1,050.00	%Sft	20,234.36	212,460.78
14	<b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)	17,293.00	%Sft	442.75	76,564.76
15	<b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	17,293.00	%Sft	1,079.65	186,703.87

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S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
16	<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)	43,060.00	%Sft	3,444.38	1,483,150.03
17	<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)	17,000.00	%Sft	2,567.95	436,551.50
18	<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 ( $\frac{1}{8}$ " ) 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)	6,000.00	%Sft	4,504.50	270,270.00
19	<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)	1,800.00	Per Rft	49.97	89,946.00
20	<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)	2,600.00	%Sft	2,116.41	55,026.66

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S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
21	<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)	7,300.00	%Sft	977.40	71,350.20
22	<b>MARBLE TILE FLOORING</b> Laying ¾" 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-a)	12,895.00	P.Sft	453.98	5,854,072.10
23	<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)	3,000.00	Per Sft	201.07	603,210.00
24	<b>GLAZED CERAMIC TILE (BATHROOM)</b> Laying floors of approved coloured glazed tiles ¾" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	1,100.00	%Sft	27,747.06	305,217.66
25	<b>GLAZED TILE DADO</b> Glazed tile dado ¾" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 38)	3,024.00	%Sft	28,299.30	855,770.83

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(Civil Works)

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S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
26	<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 handleless stoppers & locking arrangement etc. complete (Page No. 107, Item No. 84(b))	3,500.00	Per Sft	1,318.15	4,613,525.00
27	<b>COLLAPSIBLE GATE</b> Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/c revitted with 3/4" x 1/8" flat iron patti placed diagonally and provided with top & bottom T-section 1" x 1" 1/8" along with rollers also l/c locking arrangement and fixing in floor/ceiling or wall etc, completed. (S.I.No.32/P-94)	300.00	Per Sft	387.04	116,112.00
28	<b>IRON GRILL</b> Providing and fixing iron steel grill using solid square bars of size 1/2" X 1/2" placed at 4" including and frame of flat iron patti of 3/4" X 3/4" including circle shape at 1-0 apart equivalent fitted with screws are pins with painting 3 coats with 1st coat of red oxide paint etc. (Page No. 93, Item No. 30)	3,500.00	Per Sft	194.16	679,560.00
29	<b>POLISHING EXISTING FLOOR</b> Applying chemical polishing on existing mosaic / marble flooring / dado including cleaning, grinding with carborandum stone / sand paper and applying chemical polish as per requirement. (Page No. 48, Item No. 70)	4,000.00	P.Sft	36.60	146,400.00
<b>Sub Total</b>				<b>Rs=</b>	<b>19,510,984.98</b>
_____ % above / below				<b>Rs=</b>	
Cost of Scheduled Items (Civil Work)				<b>Rs=</b>	



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Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
30	<b>REMOVAL OF DEBRIS</b> Removing of all debris and rubbish of all kinds and sizes from site including all lead and lifts as directed by the Engineer-in-Charge.	Lumpsum	Job		
31	<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.	2,500.00	P.Cft		
32	<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)	1,000.00	Sft		
33	<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)	1,500.00	Sft		
34	<b>FACING TILE</b> Providing and fixing best quality approved Facing Tiles of required size 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	P.Sft		

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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 Alpha knob set lock of approved design, manufacturer, and colour, cutting wood to required shape and size with three operating keys (Taiwan make). complete in all respect as per specification & instructions of the Engineer-in-Charge.	53	Each		
36	<b>DOOR CLOSER</b> Providing and fixing with brass screws or specially supplied screws hydraulic door closer of approved design and manufacturer, cutting wood etc to required shape and size (Japan make). Complete in all respect as per specification and instructions of the Engineer-in-Charge.	5	Each		
37	<b>HANDRAILING</b> Providing, fabricating and fixing staircase railing with 2" dia S.S. 16" handrail gauge and 1½" dia balustrade and ½" dia intermediate horizontal bars etc. complete hand railing as per detail on drawing embedded properly in RCC works. Complete in all respect as per drawings, specification and instructions of the Architect / Engineer-in-Charge.	70.00	Per Rft		

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Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
38	<b>UNDERGROUND WATER STORAGE TANK</b> Construction of Underground Water Storage Tank each of capacity 2000 gallons including excavation in all kinds of soil / rock upto required depth and laying of 230 mm thick stone soiling in base and laying of 1:4:8 cement concrete in foundations, with 4mm thick water proofing membrane poured and cast in RCC 1:1½:3 using sulphate resistant cement including formwork in base slab, 76 mm thick 1:4 cement concrete floor finished with neat cement slurry, 50 mm thick cement plaster in 1:3 cement water internally with two coat of white wash, 50 mm thick 1:4 cement sand external plaster mixed pudlo @ 5 lbs / bag of cement or apporved water proofing agent externally painted with PB-4 @ 20lb / 100 sft etc. providing and fixing 19 mm dia M.S. galvanised rungs at every 400 mm of rest embeded properly in walls and 1 no. man hole opening size 600 mm x 600mm of tank and water tight C.I manhole cover and frame each with proper locking arrangement, complete in all respect as per drawing and design including the cost of reinfor????????	3,000.00	Per Gln		
<b>Cost of Non-Schedule Item (Civil Work)</b>				<b>Rs=</b>	

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**BILL OF QUANTITIES**

(Plumbing Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
39	<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)	15	Each	5,728.80	85,932.00
40	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 enameled 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.	9	Each	11,477.40	103,296.60
41	<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 & ½" thick cement plaster (1:3) to the kerb, C.I. grating 6" X 6" & C.I. Cover and frame 12" X 12" (inside) etc. complete (Page No. 23, Item No. 1)	30	Each	1,193.17	35,795.10
42	<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)	30	Each	447.15	13,414.50

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S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
43	<b>LAVATORY BASIN</b> Providing and fixing 24" X 18" lavatory basin in white glazed earthen ware complete with & including the cost of W.I. or C.I. cantilever brackets 6" built into walls painted white in two cats after a primary coat of red lead paint a pare of ½" dia rubber plug and chrome plated brass chain 1¼" dia malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4 i/c the cost of earthen ware pedestal white or coloured glazed (foreign equivalent) Page No. 3, Item No. 10+11	8	Each	7,461.47	59,691.76
44	<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	23	Each	10,322.40	237,415.20
45	<b>HANDLE VALVE</b> Providing and fixing handle valves (china) Page No. 17, Item No. 5 (I & II)				
a	½ " dia	5	Each	200.42	1,002.10
b	¾" dia	5	Each	271.92	1,359.60
46	<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)	25	Each	3,432.00	85,800.00
47	<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)	30	Each	889.46	26,683.80

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(Plumbing Works)  
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S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
48	<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)	30	Each	843.92	25,317.60
49	<b>PILLER COCK</b> Supplying & fixing swan type pillar cock of superior quality with crystal head ½" dia. Page No. 19, Item No. 16(b)	8	Each	877.80	7,022.40
50	<b>LONG BIB COCK</b> Supply and fixing long bib cock of superior quality with C.P.head ½" dia. (Page No. 19, Item No. 13a)	25	Each	877.80	21,945.00
51	<b>STEEL SINK</b> 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).	2	No	5,712.30	11,424.60
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	5	Each	227.92	1,139.60
b	1" dia	3	Each	271.92	815.76

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(Plumbing Works)  
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S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
53	<b>MANHOLE</b> Constructing manhole or inspection chamber for the required diameter of circular sewer and 3'-6" (1067 mm) depth 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. Manhole cover with frame of clear opening 1-½' X 1-½' of 1.75 cwt. (88.9 kg) embedded in plain CC 1:2:4 and fixing ½" 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.	20	Each	14,748.00	294,960.00
Sub Total				Rs=	1,013,015.62
_____ % below / above				Rs=	
Cost of Plumbing Work (Scheduled Items)				Rs=	

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Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
54	<b>DOUBLE BIB COCK</b> Providing and fixing chrome plated Muslim Double-Bib-Cock with Muslim Shower of (Master Make best quality). Complete in all respect as per instructions of Architect / Engineer-in-Charge.	5	Each		
55	<b>PPRC PIPES</b> Providing and fixing <b>PPRC Pipes</b> and bend, elbow, tee & specials, etc.; including fixing, cutting and fitting, complete with and including the cost of cutting trench upto 2'-6" feet deep, refilling watering, ramming and disposal of surplus earth within one chain and painting 2 coats of bitumen paint to pipes and specials after cleaning and hessian cloth soaked in maxphalt composition wrapped tightly round the pipes and testing to a pressure head of 200 feet and cartage within 10 miles (16.09 km).				
a	Do. Do ½ inch (12 mm) Dia Pipe.	300.00	P.Rft		
b	Do. Do ¾ inch (20 mm) Dia Pipe.	270.00	P.Rft		
c	Do. Do 1 inch (25 mm) Dia Pipe.	160.00	P.Rft		
d	Do. Do 1¼ inch (32 mm) Dia Pipe.	160.00	Rft		
e	Do. Do. 2 inch (50 mm) dia pipe.	100.00	Rft		
56	<b>UPVC PIPES FOR DRAIN</b> Providing and fixing un plastized polyvinyl chloride pipe 8 inch dia (P.V.C) 'B' class and bend, tee, elbow specials etc. including cutting and fitting complete with and including the cost of cutting trench upto 1½ feet deep refilling, watering, ramming and disposal of surplus earth within one chain and after cleaning the pipe and cartage within 10 miles (16.09 km.) (working pressure 12 kg/cm²).	150.00	P.Rft		



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S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
57	<b>u.P.V.C PIPE</b> Providing and fixing <b>un polyvinyl chloride pipe (P.V.C ) "E" Class</b> and tee, bend & elbow specials etc. including cutting and fitting, complete with and including the cost of trench upto 1-1/2 feet deep refilling, watering, ramming, and disposal of surplus earth within one chain and after cleaning the pipe and cartage within 10 miles (working pressure 12 kg/cm <sup>2</sup> )				
a	Do. Do. 3 inches (75 mm) dia pipe	150.00	Rft		
b	Do. Do. 4 inches (100 mm) dia pipe	100.00	Rft		
58	<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		
<b>Cost of Plumbing Works</b>				<b>Rs=</b>	

**Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (GROUND FLOOR)**

**BILL OF QUANTITIES**

(Electrical Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
59	<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 wall or in columns as required.(Page No. 15, Item No. 124)	20.00	Per Point	1,130.00	22,600.00
60	<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. 126)	10.00	Per Point	985.00	9,850.00
61	<b>CEILING ROSE</b> Providing and fixing bakelite ceiling rose with two terminals (Page No. 330, Item No. B-228)	10	Each	72.00	720.00
62	<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)	85	Each	3,185.00	270,725.00
63	<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)	1,000.00	Per Meter	139.00	139,000.00
64	<b>MAIN / SUB MAIN</b> Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/044 copper conductor in 1" dia PVC conduit on surface. (Page No. 1, Item No. 5)	200.00	Per Meter	305.00	61,000.00
65	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/064 (16 mm <sup>2</sup> ) copper conductor in 1" dia PVC conduit recessed in the wall. (Page No. 2, Item No. 14)	200.00	Per Meter	641.00	128,200.00

**Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (GROUND FLOOR)**

**BILL OF QUANTITIES**

(Electrical Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
66	Providing and fixing one way SP 5 amp switch flush type (Page No. 330, Item No. 219)	300	Each	54.00	16,200.00
67	Providing and fixing 3 pin way 5 amp plug & socket flush type (Page No. 330, Item No. 223)	60	Each	91.00	5,460.00
68	Providing and fixing 3 pin 10/15 amp plug & socket flush type (Page No. 330, Item No. 224)	15	Each	151.00	2,265.00
69	Providing and fixing circuit breaker 6,10,15,20,30,40,50,&63 amps DP (TB-55 )on prepared board as required. (Page No. 31/204)	60	Each	2,456.00	147,360.00
70	Providing and fixing circuit breaker 15,20,30,40,50,60,75 & 100 amps TP (XS-100NS) on prepared board as required. (Page No. 31/207)	10	Each	9,261.00	92,610.00
Sub Total				Rs=	895,990.00
_____ above / below				Rs=	
Cost of Civil Work (Scheduled Items)				Rs=	

**Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (GROUND FLOOR)**

**BILL OF QUANTITIES**

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
71	<b>EXHAUST FAN</b> Supply & Installation of 12" dia metal body exhaust fan including all civil works required for complete installation and including making hole for the exhaust fan in wall and making it good, all labour and materials as required Complete in all respect as per instructions of Engineer-in-Charge.	8	Each		
72	Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required. As approved by the Consultant.	30	Per Sft		
73	<b>FAN DIMMER</b> Providing & fixing polycarbonate flame retardant fan dimmer with plate fixed on existing board recessed in wall or column including connection as required. Complete in all respect as per instructions of Engineer-in-Charge.	85	Each		
74	<b>FAN CLAMP BOX</b> Providing & fixing 75 mm X 100 mm X 113 mm size (14SWG) thick recessed type fan clamp box 13 mm dia MS bar fan clamp fixed in roof at casting time as required. Complete in all respect as per instructions of Engineer-in-Charge.	10	Each		

**Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (GROUND FLOOR)**

**BILL OF QUANTITIES**

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
75	<b>LIGHTING</b> Providing and fixing LED 18W 10" size square / round light and fixtures. Complete in all respect as per drawing, design, specification and instructions of the Engineer-in-Charge. (all lighting and fixtures should be Philips make or equivalent) Complete in all respect as per instructions of Engineer-in-Charge.	210	Each		
76	<b>ELECTRIC WATER COOLER</b> Providing and fixing of electric water cooler totally rust proof, pressure type with stainless steel body as manufactured by MECO including 3 stage water filter (mabzi or equivalent) as approved by the Engineer. (40 gln capacity)	1	Each		
77	P/F 20 amps double pole MCCB in metal board recessed in the wall / flush type including incoming and outgoing connection as required. Complete in all respect as per direction of the Engineer-in-Charge.	1	Each		
78	<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.	1	Job		
<b>Cost of Electrical Work</b>				<b>Rs=</b>	

Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi **(PROPOSED FIRST FLOOR)**

SUMMARY OF COST

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Civil Work (Scheduled Items) (Page No. 23 - 27)	Rs=
2	Cost of Civil Work (NSI) (Page No. 28 - 29)	Rs= _____
	<b>(A)</b>	<b>Rs=</b>
3	Cost of Plumbing Work (Scheduled Items) (Page No. 30 - 32)	Rs=
4	Cost of Plumbing Work (NSI) (Page No. 33 - 33)	Rs= _____
	<b>(B)</b>	<b>Rs=</b>
5	Cost of Electrical Work (Scheduled Items) (Page No. 34 - 35)	Rs=
6	Cost of Electrical Work (NSI) (Page No. 36 - 37)	Rs= _____
	<b>(C)</b>	<b>Rs=</b>
<b>Total Cost of Work (A+B+C)=</b>		<b>Rs=</b>

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

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

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

Date: \_\_\_\_\_

Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi **(PROPOSED FIRST FLOOR)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<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>Slabs &amp; Projection:</b> Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	10,000.00	Per Cft	337.00	3,370,000.00
b	<b>Beams &amp; Columns:</b> Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	6,500.00	Per Cft	337.00	2,190,500.00
c	<b>Projection &amp; Shades:</b> Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	350.00	Per Cft	337.00	117,950.00
d	<b>Columns Super Structure:</b> Ratio (1:1½:3)	1,850.00	Per Cft	349.00	645,650.00
2	<b>STEEL REINFORCEMENT</b> Fabrication of mild steel reinforcement using Tor Bars for cement concrete including cutting, bending, laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars) Page No. 16, Item No. 8-b.	1,500.00	P.Cwt	5,001.70	7,502,550.00
3	<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)	1,250.00	Per Rft	228.90	286,125.00

**Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (PROPOSED FIRST FLOOR)**

**BILL OF QUANTITIES**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
4	<b>DOOR &amp; WINDOW</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)	1,306.00	Per Sft	998.46	1,303,988.76
5	<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.	528.00	Per Sft	567.48	299,629.44
6	<b>SURFACE RENDERING</b> Cement Plaster 1:5 upto 12' height				
a	½" thick <u>Ceiling &amp; Internal Wall Plaster</u> (Page No. 51, Item No. 12-b)	61,060.00	%Sft	2,241.80	1,368,843.08
b	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	12,000.00	%Sft	2,678.50	321,420.00
7	<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)	14,600.00	%Cft	15,771.01	2,302,567.46
8	<b>PRIMING COAT</b> Priming coat of chalk distemper (Page No. 53, Item No. 22)	17,293.00	%Sft	442.75	76,564.76
9	<b>DISTEMPERING</b> Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	17,293.00	%Sft	1,079.65	186,703.87



**Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (PROPOSED FIRST FLOOR)**

**BILL OF QUANTITIES**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
10	<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)	43,060.00	%Sft	3,444.38	1,483,150.03
11	<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)	18,000.00	%Sft	2,567.95	462,231.00
12	<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)	1,760.00	Per Rft	49.97	87,947.20
13	<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)	2,210.00	%Sft	2,116.41	46,772.66
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)	3,600.00	%Sft	977.40	35,186.40
15	<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)	1,050.00	%Sft	20,234.74	212,464.77

Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi **(PROPOSED FIRST FLOOR)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
16	<b>GLAZED TILE FLOORING</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)	18,000.00	%Sft	27,747.06	4,994,470.80
17	<b>GLAZED TILE DADO / SKIRTING</b> White glazed tiles ¼" thick dado jointed in white cement and laid over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 37)	3,000.00	%Sft	28,253.61	847,608.30
18	<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)	1,100.00	%Sft	27,747.06	305,217.66
19	<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)	3,024.00	%Sft	28,299.30	855,770.83
20	<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))	1,848.00	Per Sft	1,318.15	2,435,941.20
21	<b>COLLAPSIBLE GATE</b> Providing and fixing iron collapsible gate with channel framing of section 3/4" x 5/16" at 4" l/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 l/c locking arrangement and fixing in floor/ceiling or wall etc, completed. (S.I.No.32/P-94)	200.00	Per Sft	387.04	77,408.00

Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi **(PROPOSED FIRST FLOOR)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
22	<b>IRON DOOR</b> Providing and fixing iron steel grill door with angle iron frame of 1½" x 1½" x ¼" and square iron of ¾" x ¾" with approved design and locking arrangement embedded in Masonry as per instructions of Engineer in Charge. (Page No.94, Item No. 31)	150.00	Per Sft	231.60	34,740.00
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)	3,500.00	Per Sft	194.16	679,560.00
24	<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)	18,000.00	%Sft	4,411.82	794,127.60
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)	18,000.00	%Sft	1,887.40	339,732.00
<b>Sub Total</b>				<b>Rs=</b>	<b>33,664,820.82</b>
____ % above / below				Rs=	
Cost of Scheduled Items (Civil Work)				Rs=	

Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (**PROPOSED FIRST FLOOR**)

**BILL OF QUANTITIES**

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
25	<b>ROOM DOOR LOCKS</b> Providing and fixing with C.P brass screws Alpha knob set lock of approved design, manufacturer, and colour, cutting wood to required shape and size with three operating keys (Taiwan make). complete in all respect as per specification & instructions of the Engineer-in-Charge.	53	Each		
26	<b>DOOR CLOSER</b> Providing and fixing with brass screws or specially supplied screws hydraulic door closer of approved design and manufacturer, cutting wood etc to required shape and size (Japan make). Complete in all respect as per specification and instructions of the Engineer-in-Charge.	4	Each		
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	350.00	Per Rft		
28	<b>HANDRAILING</b> Providing, fabricating and fixing staircase railing with 2" dia S.S. 16" handrail gauge and 1½" dia balustrade and ½" dia intermediate horizontal bars etc. complete hand railing as per detail on drawing embedded properly in RCC works. Complete in all respect as per drawings, specification and instructions of the Architect / Engineer-in-Charge.	70.00	Per Rft		
29	<b>C.C GOLA</b> Providing and laying gola 3" X 3" concrete 1:2:4 using graded screened bajri at junction of slab and walls and finished with cement plaster 1:4 including curing etc. complete.	350.00	Rft		

**Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (PROPOSED FIRST FLOOR)**

**BILL OF QUANTITIES**

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
30	<b>WATER STORAGE TANK OVER ROOF</b> Construction of storage tank over roof of the required size poured and cast in RCC 1:2:4 including formwork in all walls and slab laying 2" thick 1:4 cement concrete floor finished with neat cement slurry, ½" thick cement plaster in 1:3 cement mortar internally all using approved water proofing agent pudlo or its equivalent grade @ 5lbs/bag of cement and ¾" thick in cement plaster in 1" to 3" cement mortar externally including curing etc. 1 no. manholes opening size 18"x 18" and C.I water tight Manhole cover and frame weight 40.Kg/ each with proper locking arrangement complete all as per drawing and design including the cost of reinforcement complete in all respects. (2 Nos. Tanks are required 600 glen X 2 Nos. = 1200 Glen)	1,200.00	Per Glen		
<b>Cost of Non-Schedule Item (Civil Work)</b>				<b>Rs=</b>	

Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi **(PROPOSED FIRST FLOOR)**

BILL OF QUANTITIES

(Plumbing Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
31	<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)	15	Each	5,728.80	85,932.00
32	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 enameled 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.	9	Each	11,477.40	103,296.60
33	<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 & ½" thick cement plaster (1:3) to the kerb, C.I. grating 6" X 6" & C.I. Cover and frame 12" X 12" (inside) etc. complete (Page No. 23, Item No. 1)	30	Each	1,193.17	35,795.10
34	<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)	30	Each	447.15	13,414.50

Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi **(PROPOSED FIRST FLOOR)**

**BILL OF QUANTITIES**

(Plumbing Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
35	<b>LAVATORY BASIN</b> Providing and fixing 24" X 18" lavatory basin in white glazed earthen ware complete with & including the cost of W.I. or C.I. cantilever brackets 6" built into walls painted white in two cats after a primary coat of red lead paint a pare of ½" dia rubber plug and chrome plated brass chain 1¼" dia malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4 i/c the cost of earthen ware pedestal white or coloured glazed (foreign equivalent) Page No. 3, Item No. 10+11	8	Each	7,461.47	59,691.76
36	<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	23	Each	10,322.40	237,415.20
37	<b>HANDLE VALVE</b> Providing and fixing handle valves (china) Page No. 17, Item No. 5 (I & II)				
a	½ " dia	5	Each	200.42	1,002.10
b	¾" dia	5	Each	271.92	1,359.60
38	<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)	25	Each	3,432.00	85,800.00
39	<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)	30	Each	889.46	26,683.80

Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
 Karachi **(PROPOSED FIRST FLOOR)**

BILL OF QUANTITIES

(Plumbing Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
40	<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)	30	Each	843.92	25,317.60
41	<b>PILLER COCK</b> Supplying & fixing swan type piller cock of superior quality with crystal head ½" dia. Page No. 19, Item No. 16(b)	8	Each	877.80	7,022.40
42	<b>LONG BIB COCK</b> Supply and fixing long bib cock of superior quality with C.P.head ½" dia. (Page No. 19, Item No. 13a)	25	Each	877.80	21,945.00
43	<b>STEEL SINK</b> 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).	2	No	5,712.30	11,424.60
44	<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	5	Each	227.92	1,139.60
b	1" dia	3	Each	271.92	815.76
Sub Total				Rs=	718,055.62
_____ % below / above				Rs=	
Cost of Plumbing Work (Scheduled Items)				Rs=	



Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi **(PROPOSED FIRST FLOOR)**

BILL OF QUANTITIES

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
45	<b>PPRC PIPES</b> Providing and fixing <b>PPRC Pipes</b> and bend, elbow, tee & specials, etc.; including fixing, cutting and fitting, complete with and including the cost of cutting trench upto 2'-6" feet deep, refilling watering, ramming and disposal of surplus earth within one chain and painting 2 coats of bitumen paint to pipes and specials after cleaning and hessian cloth soaked in maxphalt composition wrapped tightly round the pipes and testing to a pressure head of 200 feet and cartage within 10 miles (16.09 km).				
a	Do. Do ½ inch (12 mm) Dia Pipe.	220.00	P.Rft		
b	Do. Do ¾ inch (20 mm) Dia Pipe.	180.00	P.Rft		
c	Do. Do 1 inch (25 mm) Dia Pipe.	120.00	P.Rft		
d	Do. Do 1¼ inch (32 mm) Dia Pipe.	110.00	Rft		
e	Do. Do. 2 inch (50 mm) dia pipe.	90.00	Rft		
46	<b>u.P.V.C PIPE</b> Providing and fixing <b>un polyvinyl chloride pipe (P.V.C ) "E" Class</b> and tee, bend & elbow specials etc. including cutting and fitting, complete with and including the cost of trench upto 1-1/2 feet deep refilling, watering, ramming, and disposal of surplus earth within one chain and after cleaning the pipe and cartage within 10 miles (working pressure 12 kg/cm <sup>2</sup> )				
a	Do. Do. 3 inches (75 mm) dia pipe	200.00	Rft		
b	Do. Do. 4 inches (100 mm) dia pipe	220.00	Rft		
<b>Cost of Plumbing Works (NSI)</b>				<b>Rs=</b>	

**Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (PROPOSED FIRST FLOOR)**

**BILL OF QUANTITIES**

(Electrical Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
47	<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 wall or in columns as required.(Page No. 15, Item No. 124)	300.00	Per Point	1,130.00	339,000.00
48	<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. 126)	60.00	Per Point	985.00	59,100.00
49	<b>CEILING ROSE</b> Providing and fixing bakelite ceiling rose with two terminals (Page No. 330, Item No. B-228)	10	Each	72.00	720.00
50	<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)	85	Each	3,185.00	270,725.00
51	<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)	1,000.00	Per Meter	139.00	139,000.00
52	<b>MAIN / SUB MAIN</b> Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/044 copper conductor in 1" dia PVC conduit on surface. (Page No. 1, Item No. 5)	200.00	Per Meter	305.00	61,000.00
53	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/064 (16 mm <sup>2</sup> ) copper conductor in 1" dia PVC conduit recessed in the wall. (Page No. 2, Item No. 14)	200.00	Per Meter	641.00	128,200.00

**Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (PROPOSED FIRST FLOOR)**

**BILL OF QUANTITIES**

(Electrical Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
54	Providing and fixing one way SP 5 amp switch flush type (Page No. 330, Item No. 219)	300	Each	54.00	16,200.00
55	Providing and fixing 3 pin way 5 amp plug & socket flush type (Page No. 330, Item No. 223)	60	Each	91.00	5,460.00
56	Providing and fixing 3 pin 10/15 amp plug & socket flush type (Page No. 330, Item No. 224)	15	Each	151.00	2,265.00
57	Providing and fixing circuit breaker 6,10,15,20,30,40,50,&63 amps DP (TB-55 )on prepared board as required. (Page No. 31/204)	60	Each	2,456.00	147,360.00
58	Providing and fixing circuit breaker 15,20,30,40,50,60,75 & 100 amps TP (XS-100NS) on prepared board as required. (Page No. 31/207)	10	Each	9,261.00	92,610.00
Sub Total				Rs=	1,261,640.00
_____ above / below				Rs=	
Cost of Civil Work (Scheduled Items)				Rs=	

Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi **(PROPOSED FIRST FLOOR)**

**BILL OF QUANTITIES**

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
59	<b>EXHAUST FAN</b> Supply & Installation of 12" dia metal body exhaust fan including all civil works required for complete installation and including making hole for the exhaust fan in wall and making it good, all labour and materials as required Complete in all respect as per instructions of Engineer-in-Charge.	8	Each		
60	Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	30	Per Sft		
61	<b>FAN DIMMER</b> Providing & fixing polycarbonate flame retardant fan dimmer with plate fixed on existing board recessed in wall or column including connection as required. Complete in all respect as per instructions of Engineer-in-Charge.	85	Each		
62	<b>FAN CLAMP BOX</b> Providing & fixing 75 mm X 100 mm X 113 mm size (14SWG) thick recessed type fan clamp box 13 mm dia MS bar fan clamp fixed in roof at casting time as required. Complete in all respect as per instructions of Engineer-in-Charge.	85	Each		
63	<b>LIGHTING</b> Providing and fixing LED 18W 10" size square / round light and fixtures. Complete in all respect as per drawing, design, specification and instructions of the Engineer-in-Charge. (all lighting and fixtures should be Philips make or equivalent) Complete in all respect as per instructions of Engineer-in-Charge.	215	Each		

Maintenance and Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi **(PROPOSED FIRST FLOOR)**

BILL OF QUANTITIES

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
64	<b>ELECTRIC WATER COOLER</b> Providing and fixing of electric water cooler totally rust proof, pressure type with stainless steel body as manufactured by MECO including 3 stage water filter (mabzi or equivalent) as approved by the Engineer. (40 gln capacity)	2	Each		
65	P/F 20 amps double pole MCCB in metal board recessed in the wall / flush type including incoming and outgoing connection as required. Complete in all respect as per direction of the Engineer-in-Charge.	1	Each		
66	<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.	2	Job		
<b>Cost of Electrical Work</b>				<b>Rs=</b>	

Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi **(EXTERNAL DEVELOPMENT 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 in ordinary soil of Building Bridges and other structures including dagbelling dressing, refilling around structure with excavated earth watering and ramming lead upto 5 ft. (Page No. 4, Item No. 18-b)	3,000.00	%0Cft	3,176.25	9,528.75
2	<b>IMPORTED EARTH FILL</b>				
a	Filling, watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet. (Page No. 4, Item No. 22)	50,000.00	%0Cft	3,630.00	181,500.00
b	Add: extra lead 6 mile (referred from carriage of materials schedule)	50,000.00	%Cft	774.96	387,480.00
3	<b>CC 1:4:8 IN FOUNDATION</b> (ratio 1:4:8) 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-i)	4,500.00	%Cft	11,288.75	507,993.75
4	<b>CC 1:3:6 CAST IN SITU</b> Cement concrete (ratio 1:3:6) plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate with shuttering (Page No. 15, Item No. 5-h+17/19-b(ii))	900.00	%Cft	12,595.00	113,355.00
5	<b>FORM WORK</b> Erection and removal of centering for RCC or plain cement concrete works of Partal wood (2nd Class) Horizontal (Page No. 17, Item No. 19-bi).	1,800.00	%Sft	3,588.48	64,592.64
6	<b>CEMENT TILE</b> 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. (Page No. 47, Item No. 58)	9,500.00	%Sft	1,096.34	104,152.30

Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
 Karachi **(EXTERNAL DEVELOPMENT WORK)**

**BILL OF QUANTITIES**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
7	<b>SUB FLOORING</b> 4" 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)	3,500.00	%Cft	12,595.00	440,825.00
8	<b>SEWAGE MANURE</b> Supplying, stacking and spreading well decayed sewage manure from approved sources including all leads and lifts. (Page No. 103, Item No. 44)	2,000.00	P.Cart Load	298.12	596,240.00
<b>Sub Total</b>				<b>(A)</b>	Rs= 2,405,667.44
_____ % above / below					
Cost of Scheduled Items (Civil Work)					

Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi **(EXTERNAL DEVELOPMENT WORK)**

**BILL OF QUANTITIES**

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
9	<b>CLEARING OF SITE</b> Clearing the site by cutting, removing all shrubs, trees, upto 6 inches girth, 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 including all lead and lift cost of earth included.	Lumpsum	Job		
10	<b>STONE SOLING</b> Providing and laying soling stone 4" 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.	3,100.00	Cft		
11	<b>KERB STONE</b> Providing and laying Road Kerb of precast cement concrete 1:2:4 (24" long 6" wide and 12" deep) using screened graded bajri, from work and its removal compacting and curing laid in cement mortar 1:4 and cement plaster 1:4 neatly finished including cost of excavation and backfilling of excavated stuff and its disposal as directed. Complete in all respect as per design, specification and instructions of the Architect / Engineer-in-Charge.	300.00	Each		
12	<b>SUPPLY GARDEN SOIL (SWEET EARTH)</b> Supply and stacking garden approved garden soil (sweet earth) free from salts, pebbles and grass roots etc. including all leads and lifts. Complete in all respect as per specification and instructions of the Architect / Engineer-in-Charge.	8,500.00	P.Cft		



Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
 Karachi **(EXTERNAL DEVELOPMENT WORK)**

**BILL OF QUANTITIES**

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
13	<b>SPREADING GARDEN SOIL (SWEET EARTH)</b> Spreading approved garden soil (sweet earth) in uniform thickness including mixing and breaking clods and dressing fine for grassing including disposal of rubbish with 3 chains (92 m) Complete in all respect as per specification and instructions of the Architect / Engineer-in-Charge.	8,500.00	P.Cft		
14	<b>GRASSING</b> Grassing fine by dribbling grass roots 3" apart including watering, weeding till such time the grass is set and becomes green and is fit for mowing. Complete in all respect as per specification and instructions of the Architect / Engineer-in-Charge.	8,500.00	Sft		
Cost of External Development Works (Non-Scheduled Items)			<b>(B)</b>	Rs=	

**Cost of Scheduled & Non-Scheduled Items:**

Rs=

Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi **(EXTERNAL DEVELOPMENT WORK)**

**BILL OF QUANTITIES**

(Electrical Works) NSI

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Transformer 100 KVA	1	Nos.		
2	D/O Cutout 100 AMP	3	Nos.		
3	Board Danger	2	Nos.		
4	Bracket Pole Anti Purchent S/P 5-1/2"	2	Nos.		
5	Bracket Pole CH. 14" X 5=1/2	2	Nos.		
6	Bracket Circuit LT 200/AMP with Box	2	Nos.		
7	Insulator Pin Type 11 KV	16	Nos.		
8	Pin for Pin Isolator	16	Nos.		
9	Barbid Wire	2	Kgs		
10	Wire Binding 12 SWG	2	Kgs		
11	PVC Tpe ¾"	4	Nos.		
12	Wire CU PVC Insulated S/Core 120mm	50	Mtr.		
13	Wire CU PVC Insolated S/Core 70mm MMSQ	30	Mtr.		
14	Lighting Aarester	3	Set		
15	Pole: HT, St. 36" X 5-1/2"	2	Nos.		
16	PMT Name Plate Size 762x 457mm	1	Nos.		
17	PMT Structure 250/500 KVA 9' complete	1	Nos.		
18	Conductor HDBC 4 SWG	4	KG		
19	Cooper Plate 4"x4"x3/8"	1	KG		
20	Lite Tape 70mm2 3/O SWG	9	Nos.		
21	Bolt & Nut 2"x1/2" (Brass)	2	Nos.		
22	Nutt & Bolt G.I. Size 1-1/2" X ½"	26	Nos.		
23	Wooden Cleat	1	Nos.		
24	Cooper Lugs 120mm	16	Nos.		
25	Cooper Lugs 70mm	18	Nos.		
26	LT Cable 70mm 4/Core/Arm	30	Mtr		
27	LT Cable 4/Core 16mm (un/arm)	12	Mtr		
28	LT Termination 70mm in/out door	2	Nos.		
29	Pole Clamp 6x 3-1/2"	2	Nos.		
30	Box, Chamber for Bus Bar	1	Nos.		
31	Lugs 16mm2	24	Nos.		
32	Warning Cable Tile 12"x6"x1.5"	10	Nos.		
33	G.I. Pipe 5" dia	3	Mtr.		

Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi **(EXTERNAL DEVELOPMENT WORK)**

**BILL OF QUANTITIES**

(Electrical Works) NSI

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
34	Bracket Earth 8x5-1/2	2	Nos.		
35	Bracket Phase HT 5'x5-1/2"	2	Nos.		
36	Conductor, ACSR Dog Wire 3/0 SWG	120	Kg.		
37	Conductor, ACSR Gopher 6 SWG	90	Kg		
38	Desicinsolator 11 KVA	12	Nos.		
39	Strip Shackie 19/13	12	Nos.		
40	Strip Shackie 1/18	16	Nos.		
41	Stay Unit Complete	2	Nos.		
42	Snail Clamp 11 KVA	12	Nos.		
43	A Type Box	1	No.		
	Sub Total			Rs=	
	Add: labour Charges for Pole Mounted Transformer & Allied Work Complete in All Respect.	1	Job	Rs=	
	Add: 30% remotness Charges on Material Amount of Rs.1,722,672/-			Rs=	
	<b>Total Cost of PMT &amp; Allied Works</b>			<b>Rs=</b>	

Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
 Karachi (**COMPOUND WALL WORK**)

BILL OF QUANTITIES

(Civil Works)  
 Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	<b>EXCAVATION</b> Excavation in foundation in ordinary soil of Building Bridges and other structures including dagbelling dressing, refilling around structure with excavated earth watering and ramming lead upto 5 ft. (Page No. 4, Item No. 18-b)	6,000.00	%0Cft	3,176.25	19,057.50
2	<b>CC IN FOUNDATION</b> Cement concrete plain (ratio 1:4:8) including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-i)	495.00	%Cft	11,288.75	55,879.31
3	<b>SITU 1:3:6</b> Cement concrete plain ratio (1:3:6) including placing compacting, finishing and curing complete (including screening and washing at stone aggregate with shuttering (Page No. 15, Item No. 5-h+17/19b(i))	536.00	%Cft	12,595.00	67,509.20
4	<b>FORM WORK</b> Erection and removal of centering for RCC or plain cement concrete works of Partal wood (2nd Class) Horizontal (Page No. 17, Item No. 19-bi).	1,600.00	%Sft	3,588.48	57,415.68
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	Plinth Beam (Ratio 1:2:4)	536.00	P.Cft	337.00	180,632.00
b	<b>Columns Footing</b> - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	405.00	Per Cft	337.00	136,485.00

Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (**COMPOUND WALL WORK**)

BILL OF QUANTITIES

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
c	<b>Super-Structure Columns</b> - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	540.00	Per Cft	337.00	181,980.00
6	<b>STEEL REINFORCEMENT</b> Fabrication of mild steel reinforcement using Tor Bars for cement concrete including cutting, bending, laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars) Page No. 16, Item No. 8-b.	140.00	Per Cwt	5,001.70	700,238.00
7	<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)	250.00	%Sft	3,912.85	9,782.13
8	<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)	1,000.00	Per Sft	9.74	9,740.00
9	<b>BLOCK MASONRY</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)	1,600.00	%Cft	15,771.01	252,336.16
10	<b>SURFACE RENDERING</b> Cement Plaster 1:5 upto 12' height				
a	¾" thick <u>Wall Plaster</u> (Page No. 51, Item No. 12-a)	8,000.00	%Sft	2,166.72	173,337.60
b	¾" thick <u>Wall Plaster</u> (Page No. 51, Item No. 12-c)	8,000.00	%Sft	2,678.50	214,280.00

Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (**COMPOUND WALL WORK**)

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
11	<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)	8,000.00	%Sft	2,567.95	205,436.00
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)	300.00	%Sft	977.40	2,932.20
13	<b>STEEL DOOR</b> 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)	100.00	Per Sft	930.76	93,076.00
14	<b>ANGLE IRON FOR BARBED WIRE</b> Providing and fixing angle iron vertical posts for barbed wire fencing of size 2" X 2" ¼" embedded in RCC masonry pillars i/c making cuts / holders @ 12" i/c fixing in pillars by chiseling and filling with cement sand mortar saprining & finishing the surface. (Page No. 94, Item No. 8)	150.00	Per Rft	169.18	25,377.00

Introduction of B-Tech Courses in existing GPI, Karimabad, F.B.Area,  
Karachi (**COMPOUND WALL WORK**)

**BILL OF QUANTITIES**

(Civil Works)  
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
15	<b>BARBED WIRE</b> Providing and fixing barbed wire fencing with 12 gauge 4 points @ 6" apart barbed wire i/c straightening and fixing in angle iron vertical posts. (Page No. 95, Item No. 9)	1,600.00	Per Rft	8.38	13,408.00
<b>Sub Total</b>				<b>(A)</b>	<b>Rs= 2,398,901.78</b>
_____ % above / below					Rs=
Cost of Scheduled Items (Civil Work)					Rs=

(Civil Works) NSI

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
16	<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.	580.00	P.Cft		
<b>Sub Total (NSI)</b>				<b>(B)</b>	<b>Rs=</b>

<b>Cost of Compound Wall</b>	<b>(A+B)</b>
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**The Director (Works & Services)**

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

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