

REPAIRING AND MAINTENANCE OF DEAF AND REACH SCHOOL, SUKKUR **(PHASE-II)**

GRAND SUMMARY OF COST

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Repairing Work in Existing Building	Rs=
2	Cost of Proposed First Floor	Rs=
3	Cost of Raising of Existing Compound Wall	Rs=
4	Cost of Construction of New Compound Wall	Rs=
Total Cost of Work (Phase-II)		Rs=

The Director (Works & Services)

Dated: _____

Contractor's Signature with Stamp

Dated: _____

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II

**REPAIRING WORK
BILL OF QUANTITIES**

(Civil Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	DISMANTLING Dismantling cement concrete plain 1:2:4 (Page No. 10, Item No. 19-c)	1,684.00	%Cft	3,327.50	56,035.10
2	REMOVAL OF PLASTER Removing cement or lime plaster. (Page No. 13, Item No. 33)	13,539.00	%Sft	121.00	16,382.19
3	DISMANTLING TILES Dismantling glazed or encaustic tiles etc. (Page No. 13, Item No. 55)	3,066.00	%Sft	786.50	24,114.09
4	REMOVING DOORS Removing doors with chowket (Page No. 12, Item No. 33-a)	10	Each	142.18	1,421.80
5	REMOVING WINDOW Removing window and sky light with with chowket (Page No. 12, Item No. 33-b)	15	Each	102.85	1,542.75
6	PLINTH PROTECTION				
a	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)	888.00	%0Cft	3,176.25	2,820.51
b	Cement concrete plain (ratio 1:4:8) including placing compacting, finishing and curing complete (including screining and washing at stone aggregate without shuttering (Page No. 15, Item No. 5)	234.00	%Cft	11,288.75	26,415.68
c	Ratio 1:3:6	350.00	%Cft	11,288.75	39,510.63
d	¾" thick Cement Plaster 1:5 upto 12' height. (Page No. 51, Item No. 12)	1,399.00	%Sft	11,288.75	157,929.61

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II

**REPAIRING WORK
BILL OF QUANTITIES**

(Civil Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
7	TERMITE PROOFING Providing anti-termite treatment by spraying / sprinkling / spreading Neptachler 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and attached perches or entrances etc. complete in all respect as per directions of the Engineer-in-Charge (Page No. 108, Item No. 92)	3,500.00	Per Sft	9.74	34,090.00
8	REMOVING DOORS Removing doors with chowket (Page No. 12, Item No. 33-a)	10	Each	142.18	1,421.80
9	REMOVING WINDOW Removing window and sky light with with chowket (Page No. 12, Item No. 33-b)	40	Each	102.85	4,114.00
10	G.I.FRAMES FOR DOOR Providing and fixing G.I. Frames / Choukhats of size 7" X 2" or 4½ X 3" for door using 20 gauge G.I. sheet including welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry of ratio 1:6 and repairing the jambs. The cost also includes all carriage tools and plants used in making and fixing. (Page No. 92, Item No. 29)	175.00	Per Rft	228.90	40,057.50
11	DOOR & WINDOW First class deodar wood wrought, joinery in doors and windows etc. fixed in position including chowkats hold fasts hinges, iron tower bolts, chocks cleats handles and cords with hooks, etc. (Page No. 57, Item No. 7b) Rate of Door: Rs. 1,227.36 - G.I. Frame Rs. 228.90 = Door & Windows (Rs. 998.46)	258.00	Per Sft	998.46	257,602.68

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II

**REPAIRING WORK
BILL OF QUANTITIES**

(Civil Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
12	ALUMINUM WINDOWS / VENTILATORS 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))	378.00	Per Sft	1,647.69	622,826.82
13	WOODEN ARCHITRAVE Providing and fixing with sunk iron screws wooden Architrave approved design / shape having width not less than 2½ inches as directed by Engineer-in-Charge. (Page No. 65, Item No. 60)	350.00	Per Rft	49.97	17,489.50
14	TERMITE PROOFING Providing anti-termite treatment by spraying / sprinkling / spreading Neptachler 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and attached perches or entrances etc. complete in all respect as per directions of the Engineer-in-Charge (Page No. 108, Item No. 92)	5,500.00	Per Sft	9.74	53,570.00
15	SURFACE RENDERING Cement Plaster 1:5 upto 12' height				
a	½" thick <u>Ceiling Plaster</u> (Page No. 51, Item No. 12-b)	3,096.00	%Sft	2,241.80	69,406.13
b	¾" thick <u>Internal & External Walls Plaster</u> (Page No. 51, Item No. 12-c)	10,443.00	%Sft	2,678.50	279,715.76
16	SUB FLOORING 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))	662.00	%Cft	12,595.00	83,378.90

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II

**REPAIRING WORK
BILL OF QUANTITIES**

(Civil Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
17	GLAZED CERAMIC TILE (BATHROOM) Laying floors of approved coloured glazed tiles ¾" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	78.00	%Sft	27,747.06	21,642.71
18	Glazed tile dado ¾" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 38)	441.00	%Sft	28,299.30	124,799.91
19	GLAZED TILE FLOORING P/L Glazed Porcelain Tiles of 22" X 22" and 9 / 10 mm thick on floor in required colour and pattern of STILE specification jointed in white cement and pigment over a base of 1:2 grey / white cement mortar ¾" thick including washing and filing of joints with slurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. (if required) complete including cutting etc. (Page No. 46, Item No. 60) the sample shall be approved by Client / Engineer-in-Charge before laying the flooring.	3,071.00	%Sft	30,509.77	936,955.04
20	GLAZED TILE DADO / SKIRTING Same item as above but to be used for wall.	1,210.00	%Sft	30,509.77	369,168.22
21	FALSE CEILING 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)	1,152.00	%Sft	25,293.42	291,380.20
22	MESH P/F G.I. expanded metal ½ - 2- gauge fixed to chowkats with ¾" deodar strips and screws. (Page No. 65, Item No. 66-A)	396.00	Per Sft	178.68	70,757.28

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II

**REPAIRING WORK
BILL OF QUANTITIES**

(Civil Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
23	IRON GRILL Providing and fixing iron steel grill using solid square bars of size ½" X ½" placed at 4" including and frame of flat iron patti of ¾" X ¾" including circle shape at 1-0 apart equivalent fitted with screws are pins with painting 3 coats with 1st coat of red oxide paint etc. (Page No. 93, Item No. 30)	396.00	Per Sft	194.16	76,887.36
24	PRIMING COAT Priming coat of chalk distemper (Page No. 53, Item No. 22)	13,539.00	%Sft	442.75	59,943.92
25	DISTEMPERING Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	3,096.00	%Sft	1,079.65	33,425.96
26	INTERNAL WALL PAINTING Preparing the surface and painting with matt finish including rubbing the surface with bathy (silicon carbide rubbing brick) filling the voids with zink / chalk / plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete (new surface). Page No. 54, Item No. 36-b. (3 Coats)	4,148.00	%Sft	3,444.38	142,872.88
27	WEATHER COAT Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick / sand paper, filling the voids with chalk / plaster of paris and then painting with weather coat of approved make. (Page No. 55, Item No. 38-a&b)	6,295.00	%Sft	2,567.95	161,652.45
28	ENAMEL PAINT ON WOOD WORKS Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i-ii)	550.00	%Sft	2,116.41	11,640.26
	Priming Coat	550.00	%Sft	862.95	4,746.23

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II

**REPAIRING WORK
BILL OF QUANTITIES**

(Civil Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
29	ENAMEL PAINT ON IRON WORKS Painting guard bars, gates iron bars gratings, railing including standard braces etc. and similar open work (3 Coats) Page No. 68, Item No. 4-d-ii)	810.00	%Sft	977.40	7,916.94
32	ROOF SCREEDING				
a	Providing and laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (Page No. 41, Item No. 16-d)	3,096.00	%Sft	4,411.82	136,589.95
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)	3,096.00	%Sft	1,887.40	58,433.90
Sub Total				Rs=	4,298,658.64
____ % above / below				Rs=	
Cost of Scheduled Items (Civil Work)				Rs=	

ESTABLISHMENT OF **VTI FOR FAMILY FOUNDATION** AT GPI SUKKUR (**ADD FLOOR**) **PHASE-II**
 REPAIRING WORK
 BILL OF QUANTITIES

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
33	ROOM DOOR LOCKS Providing and fixing with C.P brass screws carona, yale lock of approved design, manufacturer, and colour Japan make, cutting wood to required shape and size with three operating keys. complete in all respect as per specification, drawings and instructions of the Engineer-in-Charge.	10	Each		
34	DOOR CLOSER 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.	4	Each		
Cost of Non-Schedule Item (Civil Work)				Rs=	

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR
(ADD FLOOR) PHASE-II

PROPOSED FIRST FLOOR

SUMMARY OF COST

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Civil Work (Scheduled Items) (Page No. 10 - 14)	Rs=
2	Cost of Civil Work (Non-Scheduled Items) (Page No. 15 - 15)	Rs=
		Rs= _____
3	Cost of Plumbing Work (Scheduled Items) (Page No. 16 - 18)	Rs=
4	Cost of Plumbing Work (Non-Scheduled Items) (Page No. 19 - 19)	Rs=
		Rs= _____
5	Cost of Electrical Work (Scheduled Items) (Page No. 20 - 21)	Rs=
6	Cost of Electrical Work (Non-Scheduled Items) (Page No. 22 - 24)	Rs=
		Rs= _____
Cost of Proposed Construction Work		Rs=

The Director (Works & Services)

Dated: _____

Contractor's Signature with Stamp

Dated: _____

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II
PROPOSED FIRST FLOOR
BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	TERMITE PROOFING Providing anti-termite treatment by spraying / sprinkling / spreading Neptachler 0.5% Emulsion as an overall pre-construction treatment in slab type construction under the slab and attached perches or entrances etc. complete in all respect as per directions of the Engineer-in-Charge (Page No. 108, Item No. 92)	5,000.00	Per Sft	9.74	48,700.00
2	CC IN FOUNDATION 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)	235.00	%Cft	11,288.75	26,528.56
3	SUB FLOORING 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)	1,950.00	%Cft	12,595.00	245,602.50
4	RCC WORK Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) Page No. 15. Item No. 6.				
a	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.				
i	Beam & Lintels - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	2,200.00	Per Cft	337.00	741,400.00
ii	Slabs & Projection (6" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	4,462.00	Per Cft	337.00	1,503,694.00

ESTABLISHMENT OF **VTI FOR FAMILY FOUNDATION** AT GPI SUKKUR (ADD FLOOR) PHASE-II**PROPOSED FIRST FLOOR****BILL OF QUANTITIES**

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
iii	Columns Super Structure 1:1½:3	603.00	Per Cft	349.00	210,447.00
5	STEEL REINFORCEMENT Fabrication of mild steel using Tor Bars 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.	300.00	Per Cwt	5,001.70	1,500,510.00
6	BRICK MASONRY Pacca Brick Work in ground floor in cement sand mortar (1:4) Page No. 20, Item No. 5-I(c)	5,000.00	%Cft	13,227.41	661,370.50
7	SURFACE RENDERING Cement Plaster 1:5 upto 12' height				
a	½" thick <u>Ceiling Plaster</u> (Page No. 51, Item No. 12-b)	4,500.00	%Sft	2,241.80	100,881.00
b	¾" thick <u>Internal Wall Plaster & External Wall Plaster</u> (Page No. 51, Item No. 12-c)	32,067.00	%Sft	2,678.50	858,914.60
8	GLAZED TILE FLOORING P/L Glazed Porcelain Tiles of 22" X 22" and 9/10 mm thick on floor in required colour and pattern of STILE specification jointed in white cement and pigment over a base of 1:2 grey / white cement mortar ¾" thick including washing and filing of joints with slurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. (if required) complete including cutting etc. (Page No. 46, Item No. 60) the sample shall be approved by Client / Engineer-in-Charge before laying the flooring.	4,892.00	%Sft	30,509.77	1,492,537.95
9	GLAZED TILE DADO / SKIRTING Same item as above but to be used for wall.	770.00	%Sft	30,509.77	234,925.23

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II
PROPOSED FIRST FLOOR
BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
10	DOOR & WINDOW First class deodar wood wrought, joinery in doors and windows etc. fixed in position including chowkats hold fasts hinges, iron tower bolts, chocks cleats handles and cords with hooks, etc. (Page No. 57, Item No. 7b) Rate of Door: Rs. 1,227.36 - G.I. Frame Rs. 228.90 = Door & Windows (Rs. 998.46)	308.00	Per Sft	998.46	307,525.68
11	G.I.FRAMES FOR DOOR Providing and fixing G.I. Frames / Choukhats of size 7" X 2" or 4½ X 3" for door using 20 gauge G.I. sheet including welded hinges and fixing at site with necessary hold fasts, filing with cement sand slurry of ratio 1:6 and repairing the jambs. The cost also includes all carriage tools and plants used in making and fixing. (Page No. 92, Item No. 29)	220.00	Per Rft	228.90	50,358.00
12	ALUMINUM WINDOWS / VENTILATORS Supply & fixing 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)) Deluxe Model (Bronze)	480.00	Per Sft	1,647.69	790,891.20
13	IRON GRILL Providing and fixing iron steel grill using solid square bars of size ½" X ½" placed at 4" including and frame of flat iron patti of ¾" X ¾" including circle shape at 1-0 apart equivalent fitted with screws are pins with painting 3 coats with 1st coat of red oxide paint etc. (Page No. 93, Item No. 30)	480.00	Per Sft	194.16	93,196.80
14	MESH P/F G.I. expanded metal ½ - 2- gauge fixed to chowkats with ¾" deodar strips and screws. (Page No. 65, Item No. 66-A)	480.00	Per Sft	178.68	85,766.40

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II

PROPOSED FIRST FLOOR

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
15	GLAZED CERAMIC TILE (BATHROOM) Laying floors of approved coloured glazed tiles ¾" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	691.00	%Sft	27,747.06	191,732.18
16	Glazed tile dado ¾" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 38)	308.00	%Sft	28,299.30	87,161.84
17	PRIMING COAT Priming coat of chalk distemper (Page No. 53, Item No. 22)	24,792.00	%Sft	442.75	109,766.58
18	DISTEMPERING Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	4,500.00	%Sft	1,079.65	48,584.25
19	INTERNAL WALL PAINTING Preparing the surface and painting with matt finish including rubbing the surface with bathy (silicon carbide rubbing brick) filling the voids with zink / chalk / plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete (new surface). Page No. 54, Item No. 36-b. (3 Coats)	15,000.00	%Sft	3,444.38	516,657.00
20	WEATHER COAT Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick / sand paper, filling the voids with chalk / plaster of paris and then painting with weather coat of approved make. (Page No. 55, Item No. 38-a&b)	5,292.00	%Sft	2,567.95	135,895.91

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II
PROPOSED FIRST FLOOR
BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
21	WOODEN ARCHITRAVE Providing and fixing with sunk iron screws wooden Architrave approved design / shape having width not less than 2½ inches as directed by Engineer-in-Charge. (Page No. 65, Item No. 60)	440.00	Per Rft	49.97	21,986.80
22	ENAMEL PAINT ON WOOD WORKS Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)	600.00	%Sft	2,116.41	12,698.46
23	ENAMEL PAINT ON IRON WORKS Painting guard bars, gates iron bars gratings, railing including standard braces etc. and similar open work (3 Coats) Page No. 68, Item No. 4-d-ii)	960.00	%Sft	977.40	9,383.04
24	ROOF SCREEDING				
a	Providing and laying 3" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels. (Page No. 41, Item No. 16-d)	4,800.00	%Sft	4,411.82	211,767.36
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)	4,800.00	%Sft	1,887.40	90,595.20
Sub Total				Rs=	10,389,478.05
_____ % above / below				Rs=	
Cost of Scheduled Items (Civil Work)				Rs=	

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II

PROPOSED FIRST FLOOR
BILL OF QUANTITIES

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
25	PVC RAIN DOWN PIPE Providing and fixing 3" dia polyvinyl chloride rain water down pipe including tees, socket, bend and clamp bolts etc, complete in all respect as per instruction by the Architect / Engineer. (DADEX or approved equivalent) upto any height and floor	50.00	Per Rft		
Cost of Non-Schedule Item (Civil Work)				Rs=	

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II
PROPOSED FIRST FLOOR
BILL OF QUANTITIES

(Plumbing Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
26	PAKISTANI WC Providing and fixing squatting type white glazed earthen ware W.C. Pan with front flush inlet and complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth and floor for pipe connection and making good in cement concrete 1:2:4 (foreign equivalent) with 4" dia C.I. Trap (Page No. 1, Item No. 2-a)	4	Each	5,728.80	22,915.20
27	EUROPEAN WC Providing and fixing European white glazed earthen ware wash down W.C. Pan complete with and including the cost of white / black plastic seat (best quality) and lid with c.p. brass hinges and buffers, 3 gallons white glazed earthen ware low level flushing cistern with siphon fitting 1½" dia white porcelain enamelled flush bend ¾" dia and making requisite number of holes in walls plinth and floor for pipe connections and making good in cement 1:2:4 (foreign quality) Page No. 2, Item No. 5.	3	Each	4,440.70	13,322.10
28	GULLY TRAP Providing and fixing 6" X 6" X 4" CC Gully Trap with 4" outlet complete 4" thick 1:2:4 CC for bed & ½" thick cement plaster (1:3) to the kerb, C.I. grating 6" X 6" & C.I. Cover and frame 12" X 12" (inside) etc. complete (Page No. 23, Item No. 1)	7	Each	1,193.17	8,352.19
29	NYLON CONNECTION Providing and fixing in position nylon connection complete with ½" dia brass stop cock with pair of brass nuts and lining joints and nylon connections. (CH-I, Page No. 6, Item No. 23)	14	Each	447.15	6,260.10

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-IIPROPOSED FIRST FLOOR

BILL OF QUANTITIES

(Plumbing Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
30	LAVATORY BASIN Providing and fixing 24" X 18" lavatory basin in white glazed earthen ware complete with & including the cost of W.I. or C.I. cantilever brackets 6" built into walls painted white in two cats after a primary coat of red lead paint a pare of ½" dia rubber plug and chrome plated brass chain 1¼" dia malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4 (foreign equivalent) Page No. 3, Item No. 10+3/11.	6	Each	7,461.47	44,768.82
31	TOWEL RAIL Providing and fixing chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long c.p.brass screws. (CH-II, Page No. 7, Item No. 1-III-b)	6	Each	972.95	5,837.70
32	LOOKING MIRROR 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
33	SOAP TRAY 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
34	GUN METAL VALVES 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	4	Each	161.92	647.68
b	1" dia	3	Each	271.92	815.76

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II
PROPOSED FIRST FLOOR
BILL OF QUANTITIES

 (Plumbing Works)
 Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
35	STOP COCK Supply and fixing concealed tee- stop cock of superior quality with c.p. head ½" dia (Page No. 18, Item No. 12-a)	12	Each	843.92	10,127.04
36	GULLY TRAP Making CC 1:2:4 Gully Trap of 12" X 12" internal dimension, including excavation, CC 1:4:8 brick masonry, plaster, C.I. Cover and frame, number of holes etc. complete in all respect as per drawings, design and instructions of the Architect / Engineer-in-Charge.	6	Each	3,500.00	21,000.00
37	MUSLIM SHOWER Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	9	Each	3,432.00	30,888.00
38	BIB COCKS Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	9	Each	3,432.00	30,888.00
Sub Total				Rs=	213,061.79
_____ % above / below on scheduled items				Rs=	
Cost of Plumbing Works (Scheduled Items)				Rs=	

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II
PROPOSED FIRST FLOOR
BILL OF QUANTITIES

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
39	uPVC PIPES Providing and fixing uPVC Pipes with specials and clamps 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 all cartages (DADEX, Pak Arab make or equivalent)				
a	½ inch Dia Pipe.	200.00	Rft		
b	¾ inch Dia Pipe.	400.00	Rft		
c	1¼ inch Dia Pipe.	100.00	Rft		
40	FLOOR TRAP 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.	6	Each		
Cost of Plumbing Works (NSI)				Rs=	

ESTABLISHMENT OF **VTI FOR FAMILY FOUNDATION** AT GPI SUKKUR (ADD FLOOR) PHASE-II**PROPOSED FIRST FLOOR****BILL OF QUANTITIES**

(Electrical Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
41	WIRING FOR LIGHT / FAN Wiring for light or fan point with 3/.029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required.(Page No. 15, Item No. 124)	80.00	Per Point	1,130.00	90,400.00
42	WIRING FOR PLUG POINT Wiring for Plug point with 3/.029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required.(Page No. 15, Item No. 125)	35.00	Per Point	669.00	23,415.00
43	CEILING ROSE Providing and fixing bakelite ceiling rose with two terminals (Page No. 330, Item No. B-228)	20	Each	72.00	1,440.00
44	CEILING FAN Providing and fixing brass ceiling fan 56" i/c Fan Clamp good and best approved quality locally manufactured sweep ceiling fans complete with required down rod, blades, flexible cord PVC / PVC required to connect the fan etc. (Page No. 34, Item No. C-235)	26	Each	3,185.00	82,810.00
45	WIRING FOR LIGHT CIRCUIT Providing & Laying (Main or Sub Main) PVC insulated with size 2-3/.036 copper conductor wire in ¾" dia PVC conduit on surface. (Page No. 1, Item No. 2)	200.00	Per Meter	139.00	27,800.00
46	MAIN / SUB MAIN Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/044 copper conductor in 1" dia PVC conduit on surface. (Page No. 1, Item No. 5)	50.00	Per Meter	305.00	15,250.00
47	Providing and laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core copper conductor 600/1000 volts size 16mm ² (Page No. 12, Item No. 102)	50.00	Per Meter	1,300.00	65,000.00

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II
PROPOSED FIRST FLOOR
BILL OF QUANTITIES

(Electrical Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
48	SWITCHES Providing & fixing 10 Amps Polycarbonate flame retardant S.P switch with fancy required gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E31-36/1/2A Clipsal make)	70	Each	208.00	14,560.00
Sub Total				Rs=	320,675.00
_____ % below / above				Rs=	
Cost of Electrical Work (Scheduled Items)				Rs=	

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II
PROPOSED FIRST FLOOR
BILL OF QUANTITIES

(Electrical Works) NSI

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
49	3 PIN PLUG SOCKET Providing & fixing 13 Amps Polycarbonate flame retardant 3-Pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E15 Clipsal make)	15	Each		
50	Providing & fixing 15 Amps Polycarbonate flame retardant 3-Pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(Clipsal make)	2	Each		
51	Providing & fixing 20 Amps double pole MCCB fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.	2	Each		
52	TELEPHONE SOCKET 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. (E31RJ64SM Clipsal make)	2	Each		
53	FITTING & FIXTURE Providing & fixing 15/18 watt LED lights (square / round shape) having size 10" / 12" inches surface type, fitting complete with connectors and connections as approved by the Engineer-in-Charge. (imported)	45	Each		
54	Providing & fixing 6 / 8 watt LED lights (square / round shape) having size 6" inches approx surface type, fitting complete with connectors and connections as approved by the Engineer-in-Charge. (imported)	30	Each		

ESTABLISHMENT OF **VTI FOR FAMILY FOUNDATION** AT GPI SUKKUR (ADD FLOOR) PHASE-II

PROPOSED FIRST FLOOR
BILL OF QUANTITIES

(Electrical Works) NSI

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
55	FAN DIMMER Providing & fixing Polycarbonate flame retardant, 400 watts fan dimmer with plate fixed on die fabricated powder coated metal board recessed in wall or column including connection as required. Complete in all respect as per instructions of Engineer-in-Charge.	26	Each		
56	EXHAUST FAN Making Hole of Exhaust Fan 12" Size with cutting plaster of the wall and finish good the same as required.	6	Each		
57	EXHAUST FAN 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.	6	Each		
58	Providing & fixing heavy gauge metallic shutter, suitable for 12"-16" sweep exhaust fan's fitted on existing hole as required.	6	Each		
59	TELEPHONE CABLE Supply, installation, connecting, testing and commissioning of 2 Pair telephone cable in already installed under floor trunking and conduit. Complete in all respect as per instructions of Engineer-in-Charge.	100.00	P/Rft		

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II
PROPOSED FIRST FLOOR
BILL OF QUANTITIES

(Electrical Works) NSI

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
60	MAIN PANEL & DB,S Providing and fixing Wall/Floor/flush type main Electric Panel , fabricated with heavy gauge sheet steel (not less then 16SWG) suitable for operation on 440 volts, three phase, 4 wire, 50 cycle, AC supply, dully painted with superior quality of enamelled paint after degreasing and phyosphating process. with equipped with following accessories. INCOMING 1-60 Amps TPMCCB (Tarasaki) 1-set control wiring/Busbar 1 Indicator lamp Neutral connecting terminals. Earth connecting terminals. OUT GOING 25 Nos. 6/10 Amps SPMCB (Tarasaki) 2 Nos. 20 Amps SPMCB (Tarasaki)	1	P/Job		
61	ELECTRIC WATER COOLER Providing and fixing of electric water cooler Capacity 20 US gallons (MECO Model ME-30SS) 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.	1	Each		
Cost of Electrical Work (NSI)				Rs=	

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II

RAISING OF C/WALL BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	REMOVAL OF PLASTER Removing cement or lime plaster. (Page No. 13, Item No. 33)	3,520.00	%Sft	121.00	4,259.20
2	BRICK MASONRY Pacca Brick Work in ground floor in cement sand mortar (1:4) Page No. 20, Item No. 5-I(c)	1,040.00	%Cft	13,227.41	137,565.06
3	SURFACE RENDERING Cement Plaster 1:5 upto 12' height				
a	½" thick <u>Ceiling Plaster</u> & Internal Wall Plaster (Page No. 51, Item No. 12-b)	6,468.00	%Sft	2,241.80	144,999.62
b	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	6,468.00	%Sft	2,678.50	173,245.38
4	RCC WORK Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) Page No. 15. Item No. 6. 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. Columns Footing - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	150.00	Per Cft	337.00	50,550.00
5	STEEL REINFORCEMENT Fabrication of mild steel reinforcement using Tor Bars for cement concrete including cutting, bending, laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars) Page No. 16, Item No. 8-b.	5.00	Per Cwt	5,001.70	25,008.50

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR (ADD FLOOR) PHASE-II

RAISING OF C/WALL BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
6	PRIMING COAT Priming coat of chalk distemper (Page No. 53, Item No. 22)	12,936.00	%Sft	442.75	57,274.14
7	WEATHER COAT Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick / sand paper, filling the voids with chalk / plaster of paris and then painting with weather coat of approved make. (Page No. 55, Item No. 38-a&b)	12,936.00	%Sft	2,567.95	332,190.01
8	ANGLE IRON FOR BARBED WIRE Providing and fixing angle iron vertical posts for barbed wire fencing of size 2" X 2" ¼" embedded in RCC masonry pillars i/c making cuts / holders @ 12" i/c fixing in pillars by chiseling and filling with cement sand mortar saprining & finishing the surface. (Page No. 94, Item No. 8)	600.00	Per Rft	169.18	101,508.00
9	ENAMEL PAINT ON IRON WORKS Painting guard bars, gates iron bars gratings, railing including standard braces etc. and similar open work (3 Coats) Page No. 68, Item No. 4-d-ii)	500.00	%Sft	977.40	4,887.00
10	BARBED WIRE Providing and fixing barbed wire fencing with 12 gauge 4 points @ 6" apart barbed wire i/c straightening and fixing in angle iron vertical posts. (Page No. 95, Item No. 9)	2,990.00	Per Rft	8.38	25,056.20
Sub Total				Rs=	1,056,543.12
_____ % above / below				Rs=	
Cost of Scheduled Items (Civil Work)				Rs=	

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR
(ADD FLOOR) PHASE-II

CONSTRUCTION OF C/WALL BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	EXCAVATION IN FOUNDATION Excavation in Ordinary Soil 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)	4,140.00	%0Cft	3,176.25	13,149.68
2	CC PLAIN 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)	687.00	%Cft	11,288.75	77,553.71
3	SITU 1:3:6 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-h+17/19b(i))	1,669.75	%Cft	16,183.48	270,223.66
4	RCC WORK Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle) Page No. 15. Item No. 6. 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	Columns Footing - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	265.00	Per Cft	337.00	89,305.00
b	Columns upto Plinth - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	221.00	Per Cft	337.00	74,477.00

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR
(ADD FLOOR) PHASE-II

CONSTRUCTION OF C/WALL BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
c	Plinth Beam - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle $\frac{1}{8}$ " to $\frac{1}{4}$ " gauge.	520.00	Per Cft	337.00	175,240.00
d	Super Structure Columns - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle $\frac{1}{8}$ " to $\frac{1}{4}$ " gauge.	460.00	Per Cft	337.00	155,020.00
e	Slabs - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle $\frac{1}{8}$ " to $\frac{1}{4}$ " gauge.	65.00	Per Cft	337.00	21,905.00
5	STEEL REINFORCEMENT Fabrication of mild steel reinforcement using Tor Bars for cement concrete including cutting, bending, laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars) Page No. 16, Item No. 8-b.	60.00	Per Cwt	5,001.70	300,102.00
6	BRICK MASONRY Pacca Brick Work in ground floor in cement sand mortar (1:4) Page No. 20, Item No. 5-I(c)	3,303.00	%Cft	13,227.41	436,901.35
7	STEEL GATE Supplying and fixing special heavy type steel doors for look-ups angle iron frame of 2- $\frac{1}{2}$ " to 2- $\frac{1}{2}$ " X $\frac{3}{8}$ " size and shutter of 2" X 2" X $\frac{3}{8}$ " 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)	210.00	Per Sft	930.76	195,459.60
8	SURFACE RENDERING Cement Plaster 1:5 upto 12' height				
a	$\frac{1}{2}$ " thick <u>Ceiling Plaster</u> & Internal Wall Plaster (Page No. 51, Item No. 12-b)	12,936.00	%Sft	2,241.80	289,999.25
b	$\frac{3}{4}$ " thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	12,936.00	%Sft	2,678.50	346,490.76

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR
(ADD FLOOR) PHASE-II

CONSTRUCTION OF C/WALL BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
9	PRIMING COAT Priming coat of chalk distemper (Page No. 53, Item No. 22)	12,936.00	%Sft	442.75	57,274.14
10	WEATHER COAT Preparing the surface and painting with weather coat i/c rubbing the surface with rubbing brick / sand paper, filling the voids with chalk / plaster of paris and then painting with weather coat of approved make. (Page No. 55, Item No. 38-a&b)	12,936.00	%Sft	2,567.95	332,190.01
11	ANGLE IRON FOR BARBED WIRE Providing and fixing angle iron vertical posts for barbed wire fencing of size 2" X 2" ¼" embedded in RCC masonry pillars i/c making cuts / holders @ 12" i/c fixing in pillars by chiseling and filling with cement sand mortar saprining & finishing the surface. (Page No. 94, Item No. 8)	600.00	Per Rft	169.18	101,508.00
12	ENAMEL PAINT ON IRON WORKS Painting guard bars, gates iron bars gratings, railing including standard braces etc. and similar open work (3 Coats) Page No. 68, Item No. 4-d-ii)	1,000.00	%Sft	977.40	9,774.00
13	BARBED WIRE Providing and fixing barbed wire fencing with 12 gauge 4 points @ 6" apart barbed wire i/c straightening and fixing in angle iron vertical posts. (Page No. 95, Item No. 9)	3,000.00	Per Rft	8.38	25,140.00
Sub Total		(A)		Rs=	2,971,713.16
_____ % above / below				Rs=	
Cost of Scheduled Items (Civil Work)				Rs=	

ESTABLISHMENT OF VTI FOR FAMILY FOUNDATION AT GPI SUKKUR
(ADD FLOOR) PHASE-II

CONSTRUCTION OF C/WALL BILL OF QUANTITIES

NSI (Civil Works)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
14	CLEARING OF SITE 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, cost of earth included.	Lumpsum	Job		
15	GATE LIGHT Providing & fixing basic batten, surface type, fitting complete with TLD 1x36W white day light lamp starter, electronic ballast as Philips Cat.(TMS-015/136) or approved equalvent on entrance gate. complete in all respect as per drawing, design specification and instructions of the Architect / Engineer-in-Charge.	4	Each		
Cost of NSI (Civil Work)			(B)	Rs=	

Cost of Compound Wall (A+B)=

Rs=