

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of
College of Technology **(Addition of B-Tech Course)**

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 - 38)	Rs=
3	Cost of External Development Work (Page No. 39 - 40)	Rs=
Total Cost of Work		Rs=

The Director (Works & Services)

Dated: _____

Contractor's Signature with Stamp

Date: _____

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course)** (GROUND FLOOR)

SUMMARY OF COST

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Civil Work (Scheduled Items) (Page No. 03 - 09)	Rs=
2	Cost of Civil Work (NSI) (Page No. 10 - 11)	Rs= _____
	(A)	Rs= _____
3	Cost of Plumbing Work (Scheduled Items) (Page No. 12 - 14)	Rs=
4	Cost of Plumbing Work (NSI) (Page No. 15 - 16)	Rs= _____
	(B)	Rs= _____
5	Cost of Electrical Work (Scheduled Items) (Page No. 17 - 18)	Rs=
6	Cost of Electrical Work (NSI) (Page No. 19 - 21)	Rs= _____
	(C)	Rs= _____
Total Cost of Work (A+B+C)=		Rs= _____

The Director (Works & Services)

Dated: _____

Contractor's Signature with Stamp

Date: _____

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of Technology **(Addition of B-Tech Course) (GR. FLOOR)**

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)	500.00	%Sft	121.00	605.00
2	DISMANTLING				
a	Dismantling cement concrete reinforcement separating reinforcement from concrete cleaning and straightening the same. (Page No. 10, Item No. 20)	100.00	%Cft	5,445.00	5,445.00
b	Dismantling cement concrete plain 1:3:6 (Page No. 10, Item No. 19-b)	6,000.00	%Cft	1,306.80	78,408.00
c	Dismantling cement block masonry (Page No. 10, Item No. 14)	500.00	%Cft	1,134.38	5,671.90
3	EXCAVATION Excavation in foundation in ordinary soil of Building Bridges and other structures including dagbelling dressing, refilling around structure with excavated earth watering and ramming lead upto 5 ft. (Page No. 4, Item No. 18-b)	1,000.00	%OCft	3,176.25	3,176.25
4	IMPORTED EARTH FILL				
a	Filling, watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet. (Page No. 4, Item No. 22)	5,000.00	%OCft	3,630.00	18,150.00
b	Add: extra lead 6 mile (referred from carriage of materials schedule)	5,000.00	%Cft	771.96	38,598.00
5	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-iiB				

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (GR. FLOOR)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	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 ⅝" to ¾" gauge.	500.00	Per Cft	337.00	168,500.00
b	Beams & Lintels (6" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ⅝" to ¾" gauge.	350.00	Per Cft	337.00	117,950.00
6	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 with shuttering (Page No. 15, Item No. 5-h+17/19b(i))	350.00	%Cft	12,595.00	44,082.50
7	FORM WORK 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).	525.00	%Sft	3,588.48	18,839.52
8	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.	100.00	Per Cwt	5,001.70	500,170.00
9	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)	12,800.00	Per Sft	9.74	124,672.00

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BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
10	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)	6,000.00	%Cft	12,595.00	755,700.00
11	<u>PLINTH PROTECTION</u>				
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)	8,910.00	%0Cft	3,176.25	28,300.39
	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)				
b	Ratio 1:4:8	1,800.00	%Cft	11,288.75	203,197.50
c	Ratio 1:3:6	1,300.00	%Cft	12,595.00	163,735.00
d	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)	750.00	%Cft	15,771.01	118,282.58
e	¾" thick Cement Plaster 1:4 upto 12' height. (Page No. 51, Item No. 11-c)	4,545.00	%Sft	3,015.76	137,066.29
12	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)	380.00	Per Rft	228.90	86,982.00

Upgradation of Govt. Saifee Eide Zahabi Institute of Technology to the level of College of Technology **(Addition of B-Tech Course) (GR. FLOOR)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
13	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)	680.00	Per Sft	998.46	678,952.80
14	MARBLE ON STAIR STEPS Laying white marble flooring fine dressed on the surface without winding set in lime mortar 1:2 including rubbing and polishing of the joints. (¾" thick) Page No. 42, Item No. 28.	900.00	Per Sft	567.48	510,732.00
15	SURFACE RENDERING Cement Plaster 1:5 upto 12' height				
a	½" thick <u>Ceiling & Internal Wall Plaster</u> (Page No. 51, Item No. 12-b)	19,000.00	%Sft	2,241.80	425,942.00
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
16	BLOCK MASONRY (6" Thick) Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor Super Structure including raking out joints and curing etc. complete. (Page No. 18, Item No. 24)	5,050.00	%Cft	15,771.01	796,436.01
17	PRIMING COAT Priming coat of chalk distemper (Page No. 53, Item No. 22)	12,800.00	%Sft	442.75	56,672.00
18	DISTEMPERING Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	12,800.00	%Sft	1,079.65	138,195.20

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BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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)	20,838.00	%Sft	3,444.38	717,739.90
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)	11,000.00	%Sft	2,567.95	282,474.50
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)	1,020.00	Per Rft	49.97	50,969.40
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)	1,500.00	%Sft	2,116.41	31,746.15
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)	5,100.00	%Sft	977.40	49,847.40
24	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)	1,100.00	%Sft	25,293.42	278,227.62

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BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
25	GLAZED TILE FLOORING 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)	12,800.00	%Sft	27,747.06	3,551,623.68
26	GLAZED TILE DADO / SKIRTING White glazed tiles ¾" thick dado jointed in white cement and laid over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 37)	2,000.00	%Sft	28,253.61	565,072.20
27	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)	750.00	%Sft	27,747.06	208,102.95
28	GLAZED TILE DADO Glazed tile dado ¾" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 38)	1,800.00	%Sft	28,299.30	509,387.40
29	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 handless stoppers & locking arrangement etc. complete (Page No. 107, Item No. 84(b))	1,450.00	Per Sft	1,318.18	1,911,361.00
30	COLLAPSIBLE GATE 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)	240.00	Per Sft	387.04	92,889.60

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BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
31	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)	3,410.00	Per Sft	194.16	662,085.60
Sub Total				Rs=	14,537,764.33
____ % above / below				Rs=	
Cost of Scheduled Items (Civil Work)				Rs=	

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (GR. FLOOR)**

BILL OF QUANTITIES

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
32	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.	Lumpsum	Job		
33	STONE SOLING 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.	5,000.00	P.Cft		
34	FACING TILE Providing and fixing best quality approved Facing Tiles 24" X 24" of approved pattern and colour on ¾" thick cement plaster base ratio 1:4 (with matching colour slurry) upto any height. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.	3,000.00	Sft		
35	ROOM DOOR LOCKS 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.	22	Each		
33	DOOR CLOSER Providing and fixing with brass screws or specially supplied screws hydraulic door closer of approved design and manufacturer, cutting wood etc to required shape and size (Japan make). Complete in all respect as per specification and instructions of the Engineer-in-Charge.	5	Each		

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of Technology **(Addition of B-Tech Course) (GR. FLOOR)**

BILL OF QUANTITIES

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
37	HANDRAILING Providing, fabricating and fixing staircase railing with 2" dia S.S. 16" handrail gauge and 1½" dia balustrade and ½" dia intermediate horizontal bars etc. complete hand railing as per detail on drawing embedded properly in RCC works. Complete in all respect as per drawings, specification and instructions of the Architect / Engineer-in-Charge.	110.00	Per Rft		
38	UNDERGROUND STORAGE TANK Construction of Underground Water Storage Tank including excavation in all kinds of soil / rock upto required depth and laying of 12" thick stone soiling in base and laying of 1:4:8 cement concrete in foundations, poured in casted in RCC 1:1½:3 using sulphate resistant cement including formwork in base slab, 3" thick 1:4 cement concrete floor finished with neat cement slurry, ½" thick cement plaster in 1:3 cement water internally with two coat of white wash, ½" thick 1:4 cement sand external plaster mixed pudlo @ 5 lbs / bag of cement or approved water proofing agent externally painted with PB-4 @ 20lb / 100 Sft etc. Providing and fixing ¾" dia M.S. galonised rungs at every foot of rest embeded properly in walls and 1 no. man hole opening size 24" x 24" to each tank and water tight C.I Manhole Cover and Frame weight 65kg / each with proper locking arrangement, complete in all respect as per drawing and design including the cost of reinforcement complete in all respect as per instruction of the Architect / Engineer.	5,000.00	Per Glen		
Cost of Non-Schedule Item (Civil Work)				Rs=	

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
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BILL OF QUANTITIES

(Plumbing Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
39	PAKISTANI WC Providing and fixing squatting type white glazed earthen ware W.C. Pan with front flush inlet and complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth and floor for pipe connection and making good in cement concrete 1:2:4 (foreign equivalent) with 4" dia C.I. Trap (Page No. 1, Item No. 2-a)	5	Each	5,728.80	28,644.00
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.	2	Each	11,477.40	22,954.80
41	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
42	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)	7	Each	447.15	3,130.05

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BILL OF QUANTITIES

(Plumbing Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
43	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 coats after a primary coat of red lead paint a pair of ½" dia rubber plug and chrome plated brass chain 1¼" dia malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4 i/c the cost of earthen ware pedestal white or coloured glazed (foreign equivalent) Page No. 3, Item No. 10+11	3	Each	7,461.47	22,384.41
44	BATHROOM ACCESSORIES Supply and fixing Bathroom Accessories set (7 Piece) including towel rod, brush holder, soap tray, shelf of approved design including cost of screws, nuts etc. complete (Master Brand or as recommended by Engineer-in-Charge). Page No. 19, Item No. 23	7	Each	10,322.40	72,256.80
45	HANDLE VALVE Providing and fixing handle valves (china) Page No. 17, Item No. 5 (I & II)				
a	½ " dia	6	Each	200.42	1,202.52
b	¾" dia	4	Each	271.92	1,087.68
46	PILLER COCK Supplying & fixing swan type pillar cock of superior quality with crystal head ½" dia. Page No. 19, Item No. 16(b)	4	Each	877.80	3,511.20
47	LONG BIB COCK Supply and fixing long bib cock of superior quality with C.P.head ½" dia. (Page No. 19, Item No. 13a)	8	Each	877.80	7,022.40

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BILL OF QUANTITIES

(Plumbing Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
48	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)	7	Each	3,432.00	24,024.00
49	TEE STOP COCKS Supply and fixing ½" dia concealed tee stop cock of superior quality with cp head (CH-VI-Page No. 18, Item No. 12-b)	7	Each	889.46	6,226.22
50	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)	9	Each	843.92	7,595.28
51	MIRROR P/F 24" X 18" beveled edge mirror of Belgium glass complete with 1/8" thick hard board and c.p.screws fixed to wooden pleat. (Standard Pattern) Page No. 7, Item No. 3-a)	2	Each	1,711.60	3,423.20
52	MANHOLE 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.	7	Each	14,748.00	103,236.00
Sub Total				Rs=	315,050.75
_____ % below / above				Rs=	
Cost of Plumbing Work (Scheduled Items)				Rs=	

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BILL OF QUANTITIES

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
53	PPRC PIPES Providing and fixing PPRC Pipes 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.	225.00	P.Rft		
b	Do. Do ¾ inch (20 mm) Dia Pipe.	200.00	P.Rft		
c	Do. Do 1 inch (25 mm) Dia Pipe.	175.00	P.Rft		
d	Do. Do 1¼ inch (32 mm) Dia Pipe.	80.00	Rft		
e	Do. Do. 2 inch (50 mm) dia pipe.	80.00	Rft		
54	UPVC PIPES FOR DRAIN Providing and fixing unplasticized 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).	200.00	P.Rft		

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BILL OF QUANTITIES

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
55	u.P.V.C PIPE Providing and fixing un polyvinyl chloride pipe (P.V.C) "E" Class and tee, bend & elbow specials etc. including cutting and fitting, complete with and including the cost of trench 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 ²)				
a	Do. Do. 3 inches (75 mm) dia pipe	150.00	Rft		
b	Do. Do. 4 inches (100 mm) dia pipe	120.00	Rft		
56	MONO BLOCK PUMPING SET 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		
57	3" DIA NON RETURN VALVE Providing & fixing 1½" dia non return valve. Complete in all respect as per instructions of the Engineer-in-Charge.	1	Each		
Cost of Plumbing Works				Rs=	

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BILL OF QUANTITIES

(Electrical Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
58	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 & columns as required.(Page No. 15, Item No. 124)	10.00	Per Point	1,130.00	11,300.00
59	WIRING FOR PLUG POINT Wiring for Plug point with 3/.029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required.(Page No. 15, Item No. 126)	10.00	Per Point	985.00	9,850.00
60	CEILING ROSE Providing and fixing bakelite ceiling rose with two terminals (Page No. 330, Item No. B-228)	5	Each	72.00	360.00
61	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)	54	Each	3,185.00	171,990.00
62	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)	500.00	Per Meter	139.00	69,500.00
63	MAIN / SUB MAIN Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/044 copper conductor in 1" dia PVC conduit on surface. (Page No. 1, Item No. 5)	200.00	Per Meter	305.00	61,000.00
64	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/064 (16 mm ²) copper conductor in 1" dia PVC conduit recessed in the wall. (Page No. 2, Item No. 14)	100.00	Per Meter	641.00	64,100.00

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (GR. FLOOR)**

BILL OF QUANTITIES

(Electrical Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
65	Providing and fixing one way SP 5 amp switch flush type (Page No. 330, Item No. 219)	210	Each	54.00	11,340.00
66	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
67	Providing and fixing 3 pin 10/15 amp plug & socket flush type (Page No. 330, Item No. 224)	30	Each	151.00	4,530.00
68	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)	40	Each	2,456.00	98,240.00
69	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=	600,280.00
_____ above / below				Rs=	
Cost of Civil Work (Scheduled Items)				Rs=	

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (GR. FLOOR)**

BILL OF QUANTITIES

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
70	EXHAUST FAN Supply & Installation of 12" dia metal body exhaust fan including all civil works required for complete installation and including making hole for the exhaust fan in wall and making it good, all labour and materials as required Complete in all respect as per instructions of Engineer-in-Charge.	2	Each		
71	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.	20	Per Sft		
72	FAN DIMMER Providing & fixing polycarbonate flame retardant fan dimmer with plate fixed on existing board recessed in wall or column including connection as required. Complete in all respect as per instructions of Engineer-in-Charge.	54	Each		
73	FAN CLAMP BOX Providing & fixing 75 mm X 100 mm X 113 mm size (14SWG) thick recessed type fan clamp box 13 mm dia MS bar fan clamp fixed in roof at casting time as required. Complete in all respect as per instructions of Engineer-in-Charge.	2	Each		

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (GR. FLOOR)**

BILL OF QUANTITIES

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
74	LIGHTING Providing and fixing LED 18W 10" size square / round light and fixtures. Complete in all respect as per drawing, design, specification and instructions of the Engineer-in-Charge. (all lighting and fixtures should be Philips make or equivalent) Complete in all respect as per instructions of Engineer-in-Charge.	100	Each		
75	ELECTRIC WATER COOLER Providing and fixing of electric water cooler totally rust proof, pressure type with stainless steel body as manufactured by MECO including 3 stage water filter (mabzi or equivalent) as approved by the Engineer.	1	Each		
76	EARTHING SET Providing and fixing earthing set with 600 mm X 600 mm X 6 mm copper plate buried in the ground at a depth of 3.6 m or less if water come out from the ground level (with salt and charcoal, or earth chemical powder) etc., making the pit 3.6 m feet deep by excavation of all type of soil (except soft or hard rock) including fixing of 8 SWG copper wire in 13 mm GI pipe. Complete in all respect as per instructions of Engineer-in-Charge.	2	Job		
77	WALL MOUNTED SPLIT Providing & installation of split type wall mounted 1.5 tons capacity 18000 BTU / Hr Air Conditioner unit in the specified place i/c gas charging of the unit. The job includes copper piping of out door unit fitted on roof or angle iron frame making inter connection of the unit with suitable sizes of wire also piping for condensed water etc as required approved make (Imported).	1	Job		

Upgradation of Govt. Saifee Eide Zahabi Institute of Technology to the level of College of Technology **(Addition of B-Tech Course) (GR. FLOOR)**

BILL OF QUANTITIES

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
78	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.	2	Each		
79	FLOODLIGHT FIXTURE Providing and fixing 50 W LED floodlight fixture with all required accessories at any height any floor as located at site. Philips make or as approved equivalent. Complete in all respect as per instructions of the Engineer-in-Charge.	10	Each		
Cost of Electrical Work				Rs=	

Upgradation of Govt. Saifee Eide Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

Summary of Cost

S #	SUB HEAD	TOTAL AMOUNT
1	Cost of Civil Work (Scheduled Items) (Page No. 23 - 28)	Rs=
2	Cost of Civil Work (NSI) (Page No. 29 - 30)	Rs= _____
	(A)	Rs= _____
3	Cost of Plumbing Work (Scheduled Items) (Page No. 31 - 33)	Rs=
4	Cost of Plumbing Work (NSI) (Page No. 34 - 34)	Rs= _____
	(B)	Rs= _____
5	Cost of Electrical Work (Scheduled Items) (Page No. 35 - 36)	Rs=
6	Cost of Electrical Work (NSI) (Page No. 37 - 38)	Rs= _____
	(C)	Rs= _____
Total Cost of Work (A+B+C)=		Rs= _____

The Director (Works & Services)

Dated: _____

Contractor's Signature with Stamp

Date: _____

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	RCC WORK Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be 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	Beam & Lintels - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	3,800.00	Per Cft	337.00	1,280,600.00
b	Slabs & Projection (6" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	7,300.00	Per Cft	337.00	2,460,100.00
c	Sun Shade (6" thick) - 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
d	Columns Super Structure (6" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	2,100.00	Per Cft	337.00	707,700.00
e	Dummy Columns (6" thick) - Ratio (1:2:4) 90 lbs cement 2 cft sand 4 cft shingle ½" to ¾" gauge.	600.00	Per Cft	337.00	202,200.00
2	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.	900.00	Per Cwt	5,001.70	4,501,530.00

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
3	SUB FLOORING 2" thick - ratio (1:3:6) Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h)	4,000.00	%Cft	12,595.00	503,800.00
4	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)	380.00	Per Rft	228.90	86,982.00
5	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)	680.00	Per Sft	998.46	678,952.80
6	MARBLE ON STAIR STEPS Laying white marble flooring fine dressed on the surface without winding set in lime mortar 1:2 including rubbing and polishing of the joints. (¾" thick) Page No. 42, Item No. 28.	900.00	Per Sft	567.48	510,732.00
7	SURFACE RENDERING Cement Plaster 1:5 upto 12' height				
a	½" thick <u>Ceiling & Internal Wall Plaster</u> (Page No. 51, Item No. 12-b)	38,000.00	%Sft	2,241.80	851,884.00
b	¾" thick <u>External Wall Plaster</u> (Page No. 51, Item No. 12-c)	11,000.00	%Sft	2,678.50	294,635.00

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
8	BLOCK MASONRY (6" Thick) Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor Super Structure including raking out joints and curing etc. complete. (Page No. 18, Item No. 24)	15,627.00	%Cft	15,771.01	2,464,535.73
9	PRIMING COAT Priming coat of chalk distemper (Page No. 53, Item No. 22)	15,000.00	%Sft	442.75	66,412.50
10	DISTEMPERING Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	15,000.00	%Sft	1,079.65	161,947.50
11	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)	23,000.00	%Sft	3,444.38	792,207.40
12	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)	11,000.00	%Sft	2,567.95	282,474.50

Upgradation of Govt. Saifee Eide Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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)	1,000.00	Per Rft	49.97	49,970.00
14	ENAMEL PAINT ON WOOD WORKS Preparing surface and painting of doors and windows any type (including edges) 3 Coats (Page No. 68, Item No. 5-C-i+ii)	1,500.00	%Sft	2,116.41	31,746.15
15	ENAMEL PAINT ON IRON WORKS Painting guard bars, gates iron bars gratings, railing including standard braces etc. and similar open work (3 Coats) Page No. 68, Item No. 4-d-ii)	2,800.00	%Sft	977.40	27,367.20
16	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)	1,100.00	%Sft	25,293.42	278,227.62
17	GLAZED TILE FLOORING 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)	12,800.00	%Sft	27,747.06	3,551,623.68
18	GLAZED TILE DADO / SKIRTING White glazed tiles ¾" thick dado jointed in white cement and laid over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 37)	3,800.00	%Sft	28,253.61	1,073,637.18

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
19	GLAZED CERAMIC TILE (BATHROOM) 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)	750.00	%Sft	27,747.06	208,102.95
20	GLAZED TILE DADO Glazed tile dado ¼" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Item No. 38)	1,950.00	%Sft	28,299.30	551,836.35
21	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))	1,450.00	Per Sft	1,318.15	1,911,317.50
22	COLLAPSIBLE GATE 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
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)	1,450.00	Per Sft	194.16	281,532.00

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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)	13,000.00	%Sft	4,411.82	573,536.60
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)	13,000.00	%Sft	1,887.40	245,362.00
Sub Total				Rs=	24,758,910.66
_____ % above / below				Rs=	
Cost of Scheduled Items (Civil Work)				Rs=	

Upgradation of Govt. Saifee Eide Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

BILL OF QUANTITIES

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
25	FACING TILE Providing and fixing best quality approved Facing Tiles 24" X 24" of approved pattern and colour on ¾" thick cement plaster base ratio 1:4 (with matching colour slurry) upto any height. Complete in all respect as per drawings, specifications and instructions of the Engineer-in-Charge.	2,000.00	Sft		
26	C.C GOLA Providing and laying gola 3" X 3" concrete 1:2:4 using graded screened bajri at junction of slab and walls and finished with cement plaster 1:4 including curing etc. complete.	750.00	Rft		
27	ROOM DOOR LOCKS 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.	22	Each		
28	DOOR CLOSER Providing and fixing with brass screws or specially supplied screws hydraulic door closer of approved design and manufacturer, cutting wood etc to required shape and size (Japan make). Complete in all respect as per specification and instructions of the Engineer-in-Charge.	5	Each		
29	HANDRAILING Providing, fabricating and fixing staircase railing with 2" dia S.S. 16" handrail gauge and 1½" dia balustrade and ½" dia intermediate horizontal bars etc. complete hand railing as per detail on drawing embedded properly in RCC works. Complete in all respect as per drawings, specification and instructions of the Architect / Engineer-in-Charge.	150.00	Per Rft		

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

BILL OF QUANTITIES

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
30	WATER STORAGE TANK OVER ROOF Construction of storage tank over roof of the required size poured and cast in RCC 1:2:4 including formwork in all walls and 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. Tank. 600 X 2=1200 Gln)	1,200.00	Per Glen		
Cost of Non-Schedule Item (Civil Work)				Rs=	

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

BILL OF QUANTITIES

(Plumbing Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
31	PAKISTANI WC Providing and fixing squatting type white glazed earthen ware W.C. Pan with front flush inlet and complete with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth and floor for pipe connection and making good in cement concrete 1:2:4 (foreign equivalent) with 4" dia C.I. Trap (Page No. 1, Item No. 2-a)	5	Each	5,728.80	28,644.00
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.	2	Each	11,477.40	22,954.80
33	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
34	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)	7	Each	447.15	3,130.05

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
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BILL OF QUANTITIES

(Plumbing Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
35	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 coats after a primary coat of red lead paint a pair of ½" dia rubber plug and chrome plated brass chain 1¼" dia malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4 i/c the cost of earthen ware pedestal white or coloured glazed (foreign equivalent) Page No. 3, Item No. 10+11	3	Each	7,461.47	22,384.41
36	BATHROOM ACCESSORIES Supply and fixing Bathroom Accessories set (7 Piece) including towel rod, brush holder, soap tray, shelf of approved design including cost of screws, nuts etc. complete (Master Brand or as recommended by Engineer-in-Charge). Page No. 19, Item No. 23	7	Each	10,322.40	72,256.80
37	HANDLE VALVE 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	PILLER COCK Supplying & fixing swan type pillar cock of superior quality with crystal head ½" dia. Page No. 19, Item No. 16(b)	4	Each	877.80	3,511.20
39	LONG BIB COCK Supply and fixing long bib cock of superior quality with C.P.head ½" dia. (Page No. 19, Item No. 13a)	8	Each	877.80	7,022.40

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
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BILL OF QUANTITIES

(Plumbing Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
40	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)	7	Each	3,432.00	24,024.00
41	TEE STOP COCKS Supply and fixing ½" dia concealed tee stop cock of superior quality with cp head (CH-VI-Page No. 18, Item No. 12-b)	7	Each	889.46	6,226.22
42	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)	11	Each	843.92	9,283.12
43	MIRROR P/F 24" X 18" beveled edge mirror of Belgium glass complete with 1/8" thick hard board and c.p.screws fixed to wooden pleat. (Standard Pattern) Page No. 7, Item No. 3-a)	2	Each	1,711.60	3,423.20
Sub Total				Rs=	213,574.09
_____ % below / above				Rs=	
Cost of Plumbing Work (Scheduled Items)				Rs=	

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

BILL OF QUANTITIES

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
44	PPRC PIPES Providing and fixing PPRC Pipes 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.	250.00	P.Rft		
b	Do. Do ¾ inch (20 mm) Dia Pipe.	300.00	P.Rft		
c	Do. Do 1 inch (25 mm) Dia Pipe.	250.00	P.Rft		
d	Do. Do 1¼ inch (32 mm) Dia Pipe.	150.00	P.Rft		
e	Do. Do. 2 inch (50 mm) dia pipe.	100.00	P.Rft		
45	u.P.V.C PIPE Providing and fixing un polyvinyl chloride pipe (P.V.C) "E" Class and tee, bend & elbow specials etc. including cutting and fitting, complete with and including the cost of trench 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 ²)				
a	Do. Do. 3 inches (75 mm) dia pipe	300.00	Rft		
b	Do. Do. 4 inches (100 mm) dia pipe	250.00	Rft		
Cost of Plumbing Works				Rs=	

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
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BILL OF QUANTITIES

(Electrical Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
46	WIRING FOR LIGHT / FAN Wiring for light or fan point with 3/.029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in wall and columns as required. (Page No. 15, Item No. 124)	160.00	Per Point	1,130.00	180,800.00
47	WIRING FOR PLUG POINT Wiring for Plug point with 3/.029 PVC insulated wire in 20 mm (3/4") PVC conduit recessed in wall and columns as required. (Page No. 15, Item No. 126)	60.00	Per Point	985.00	59,100.00
48	CEILING ROSE Providing and fixing bakelite ceiling rose with two terminals (Page No. 330, Item No. B-228)	5	Each	72.00	360.00
49	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)	54	Each	3,185.00	171,990.00
50	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)	1,000.00	Per Meter	139.00	139,000.00
51	MAIN / SUB MAIN Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/044 copper conductor in 1" dia PVC conduit on surface. (Page No. 1, Item No. 5)	200.00	Per Meter	305.00	61,000.00
52	Providing and laying (MAIN or SUB MAIN) PVC insulated with size 2-7/064 (16 mm ²) copper conductor in 1" dia PVC conduit recessed in the wall. (Page No. 2, Item No. 14)	200.00	Per Meter	641.00	128,200.00

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

BILL OF QUANTITIES

(Electrical Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
53	Providing and fixing one way SP 5 amp switch flush type (Page No. 330, Item No. 219)	160	Each	54.00	8,640.00
54	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
55	Providing and fixing 3 pin 10/15 amp plug & socket flush type (Page No. 330, Item No. 224)	30	Each	151.00	4,530.00
56	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)	40	Each	2,456.00	98,240.00
57	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)	6	Each	9,261.00	55,566.00
Sub Total				Rs=	912,886.00
_____ above / below				Rs=	
Cost of Civil Work (Scheduled Items)				Rs=	

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

BILL OF QUANTITIES

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
58	EXHAUST FAN Supply & Installation of 12" dia metal body exhaust fan including all civil works required for complete installation and including making hole for the exhaust fan in wall and making it good, all labour and materials as required Complete in all respect as per instructions of Engineer-in-Charge.	2	Each		
59	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.	20	Per Sft		
60	FAN DIMMER Providing & fixing polycarbonate flame retardant fan dimmer with plate fixed on existing board recessed in wall or column including connection as required. Complete in all respect as per instructions of Engineer-in-Charge.	54	Each		
61	FAN CLAMP BOX Providing & fixing 75 mm X 100 mm X 113 mm size (14SWG) thick recessed type fan clamp box 13 mm dia MS bar fan clamp fixed in roof at casting time as required. Complete in all respect as per instructions of Engineer-in-Charge.	54	Each		
62	LIGHTING Providing and fixing LED 18W 10" size square / round light and fixtures. Complete in all respect as per drawing, design, specification and instructions of the Engineer-in-Charge. (all lighting and fixtures should be Philips make or equivalent) Complete in all respect as per instructions of Engineer-in-Charge.	110	Each		

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of
Technology **(Addition of B-Tech Course) (FIRST FLOOR)**

BILL OF QUANTITIES

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
63	ELECTRIC WATER COOLER Providing and fixing of electric water cooler totally rust proof, pressure type with stainless steel body as manufactured by MECO including 3 stage water filter (mabzi or equivalent) as approved by the Engineer. (capacity 40 glen)	1	Each		
64	EARTHING SET Providing and fixing earthing set with 600 mm X 600 mm X 6 mm copper plate buried in the ground at a depth of 3.6 m or less if water come out from the ground level (with salt and charcoal, or earth chemical powder) etc., making the pit 3.6 m feet deep by excavation of all type of soil (except soft or hard rock) including fixing of 8 SWG copper wire in 13 mm GI pipe. Complete in all respect as per instructions of Engineer-in-Charge.	2	Job		
65	WALL MOUNTED SPLIT Providing & installation of split type wall mounted 1.5 tons capacity 18000 BTU / Hr Air Conditioner unit in the specified place i/c gas charging of the unit. The job includes copper piping of out door unit fitted on roof or angle iron frame making inter connection of the unit with suitable sizes of wire also piping for condensed water etc as required approved make (Imported).	1	Job		
Cost of Electrical Work				Rs=	

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of Technology (Addition of B-Tech Course) (EXTERNAL DEVELOPMENT WORK)

BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	EXCAVATION IN FOUNDATION Excavation in foundation in ordinary soil of Building Bridges and other structures including dagbelling dressing, refilling around structure with excavated earth watering and ramming lead upto 5 ft. (Page No. 4, Item No. 18-b)	5,000.00	%0Cft	3,176.25	15,881.25
2	CC 1:4:8 IN FOUNDATION (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)	4,950.00	%Cft	11,288.75	558,793.13
3	IMPORTED EARTH FILL				
a	Filling, watering and ramming earth under floor with new earth (excavated from outside) lead upto one chain and lift upto 5 feet. (Page No. 4, Item No. 22)	20,000.00	%0Cft	3,630.00	72,600.00
b	Add: extra lead 6 mile (referred from carriage of materials schedule)	20,000.00	%Cft	771.96	154,392.00
4	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 with shuttering (Page No. 15, Item No. 5-h+17/19b(i))	500.00	%Cft	16,183.48	80,917.40
5	PAVING BLOCKS Providing and fixing cement paving blocks flooring having size of 197 X 197 X 80 (mm) of city / quddra . Cobble shape with pigmented having strength between 5000 psi to 8500 psi including filling the joints with hill sand and laying in specified manner / pattern and design etc. complete (Page No. 49, Item No. 74)	7,100.00	Per Sft	248.17	1,762,007.00
Sub Total		(A)			Rs= 2,644,590.78
_____ above / below					
Cost of Ext.Dev Work (Scheduled Items)					

Upgradation of Govt. Saif-e Zahabi Institute of Technology to the level of College of Technology **(Addition of B-Tech Course) (EXTERNAL DEVELOPMENT WORK)**

BILL OF QUANTITIES

Non-Schedule Items (Civil Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
6	STONE SOLING 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.	2,000.00	Cft		
7	KERB STONE Providing and laying Road Kerb of precast cement concrete 1:2:4 (24" long 6" wide and 12" deep) using screened graded bajri, from work and its removal compacting and curing laid in cement mortar 1:4 and cement plaster 1:4 neatly finished including cost of excavation and backfilling of excavated stuff and its disposal as directed. Complete in all respect as per design, specification and instructions of the Architect / Engineer-in-Charge.	200.00	Each		
Cost of External Development Works (Non-Scheduled Items)			(B)	Rs=	

Cost of Scheduled & Non-Scheduled Items:

Rs=