



Sindh Technical Education & Vocational Training Authority
(STEVTa)
Government of Sindh



REPAIR / RENOVATION / CONSTRUCTION OF WASH AREA
AND PRINCIPAL ROOM AT GOVERNMENT INSTITUTE OF
BUSINESS AND COMMERCIAL EDUCATION,
SAUDABAD MALIR, KARACHI

BILL OF QUANTITIES



**SHAHZAD
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**REPAIR / RENOVATION / CONSTRUCTION OF WASH AREA AND PRINCIPAL ROOM AT
GIBCE, SAUDABAD MALIR, KARACHI**

SUMMARY OF COST

S #	SUB HEAD	TOTAL AMOUNT
	CIVIL WORK	
1	Cost of Civil Work (Scheduled Items) (Page No. 02 - 04)	Rs=
2	Cost of Civil Work (Non-Scheduled Items) (Page No. 05 - 06)	Rs=
	(A)	Rs=
	PLUMBING WORK	
3	Cost of Plumbing Work (Scheduled Items) (Page No. 07 - 08)	Rs=
4	Cost of Plumbing Work (Non-Scheduled Items) (Page No. 09 - 09)	Rs=
	(B)	Rs=
	ELECTRICAL WORK	
5	Cost of Electrical Work (Scheduled Items) (Page No. 10 - 10)	Rs=
6	Cost of Electrical Work (Non-Scheduled Items) (Page No. 11 - 11)	Rs=
	(C)	Rs=
	Total Cost of Work (A+B+C)	Rs=

**REPAIR / RENOVATION / CONSTRUCTION OF WASH AREA AND PRINCIPAL ROOM AT
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BILL OF QUANTITIES

(Civil Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	DISMANTLING				
a	Dismantling glazed or encaustic tiles (Page No 13, Item No. 55)	1,000.00	%Sft	786.50	7,865.00
b	Dismantling cement block masonry works in lime or cement mortar (Page No. 10, Items No. 14)	150.00	%Cft	1,134.38	1,701.57
2a	REMOVING DOORS				
	Removing doors with chowket (Page No. 12, Item No. 33-a)	2	Each	142.18	284.36
2b	REMOVING WINDOWS				
	Removing window and sky light with chowket (Page No. 12, Item No. 33-a)	6	Each	102.85	617.10
3	SUB FLOORING				
	3" thick - ratio (1:3:6) including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering (Page No. 15, Item No. 5-h)	100.00	%Cft	12,595.00	12,595.00
4	SURFACE RENDERING				
a)	Cement Plaster 1:5 upto 12' height ½" thick Wall Plaster (Page No.51, Item No. 12-b)	500.00	%Sft	2,241.80	11,209.00
(b)	¾" thick External Plaster (Page No.51, Item No. 12-c)	200.00	%Sft	2,678.50	5,357.00
5	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)	100.00	Per Rft	228.90	22,890.00

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S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
6	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)	400.00	%Cft	15,771.01	63,084.04
7	ALUMINUM WINDOWS Supply & fixing Deluxe Model (Bronze) in position Aluminum channels framing for sliding windows & ventilators of Alcop made with 5mm thick tinted glass glazing (Belgium) & Aluminum fly screen including handleless stoppers & locking arrangement etc. complete (Page No. 107, Item No. 84b)	150.00	Per Sft	1,318.15	197,722.50
8	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)	140.00	Per Rft	49.97	6,995.80
9	GALZED CERAMIC TILES (BATHROOM) Laying floors of approved coloured glazed tile ¼" thick laid in white cement and pigment on a bed of ¾" thick cement mortar 1:2. (Page No. 42, Item No. 25)	84.00	%Sft	27,747.06	23,307.53
10	GLAZED TILE DADO (BATHROOM) Glazed tiles dado ¼" thick laid in pigment over 1:2 cement sand mortar ¾" thick including finishing. (Page No. 44, Items No. 38)	266.00	%Sft	28,299.30	75,276.14
11	SCRAPPING PAINT Scrapping ordinary distemper, oil bound distemper or paint on walls. (Page No. 13, Item No. 54-b)	700.00	%Sft	226.88	1,588.16
12	PRIMING COAT Priming Coat of chalk distemper (Page No.53, item No.22)	10.00	%Sft	442.75	44.28
13	DISTEMPERING Preparing surface and painting with Distemper- 1st coat over priming coat (Page No. 53, Item No. 24-c) 3 Coats	10.00	%Sft	1,079.65	107.97

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S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
14	INTERNAL WALL PAINTING Preparing surface and painting with matt finish including rubbing the surface with bathy (silicon carbide rubbing brick) filling the voids with zink / chalk/ plaster of paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc. complete (new surface). Page No. 54, Item No.36-b. (3 Coats)	600.00	%Sft	3,444.38	20,666.28
15	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)	100.00	%Sft	2,116.41	2,116.41
Sub Total				Rs=	453,428.13
_____ above / below				Rs=	_____
Cost of Scheduled Items (Civil Work)				Rs=	_____

**REPAIR / RENOVATION / CONSTRUCTION OF WASH AREA AND PRINCIPAL ROOM AT
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(Civil Works)

Non-Schedule Items

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
16	PORCELAIN TILES FLOORING Providing & laying light/ colour unglazed vitrified porcelain tiles (polished) not exceeding 576 Sq. inch each floor foreign make (Italian or equivalent except China make) in any floor laid with dry bond (stile bond) over existing floor including jointing the tiles with joint filler of approved quality as per direction of the Engineer in charge	550.00	P.Sft		
17	PORCELAIN TILES SKIRTING / DADO Providing & laying light/ colour unglazed vitrified porcelain tiles (polished) not exceeding 144 Sq. inch each wall foreign make (Italian or equivalent except China make) in any floor laid with dry bond (stile bond) over existing floor including jointing the tiles with joint filler of approved quality as per direction of the Engineer in charge	250.00	P.Sft		
18	PORCELAIN TILES BORDER 36" x 6" Providing & laying light/ colour unglazed vitrified porcelain tiles Border 36" x 6"(polished) wall foreign make (Italian or equivalent except China make) in any floor laid with dry bond (stile bond) over existing floor including jointing the tiles with joint filler of approved quality as per direction of the Engineer in charge	140.00	P.Sft		
19	FALSE CEILING Supplying and fixing false ceiling of PVC / Fiber Made in panels including making frame work of deodar wood including painting	500.00	P.Sft		
20	WALLPAPER DESIGN AND PLAIN KOREAN Providing & pasting approved quality, design & colour (Korean or equivalent) including solution as required etc complete as per specification and instruction of Engineer-In-Charge	1,000.00	Per Sft		
21	ZEBRA BLIND FOR WINDOW Providing, fixing, installing zebra blind for window of approved quality and colour etc complete as per specification and instruction of Engineer	190.00	Per Sft		

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(Civil Works)

Non-Schedule Items

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
22	WOODEN FLUSH DOOR Providing and fixing 1st class deador wood solid core of approved size, thickness and design as produced by Sterling Interwood or similar approved manufacturers under power driven hydraulic press as approved with application of approved wood preservative treatment including brass oxidized fittings 9" long tower bolts on top and middle and imported butt hinges 5" size 4 Nos each side single or double hinged etc. i/c cost of approved lacquer polishing with preparation of smooth surface complete but excluding the cost of handles locks and glass single / double opening with as per specification all as per drawing & design detail and as instructed and satisfication by the Engineer at any height any floor.	70	Per Sft		
23	DOOR CLOSER Providing and fixing with brass screws or specially supplied screws hydraulic door closer of approved design and manufacturer, cutting wood etc to required shape and size (Japan make). Complete in all respect as per specification and instruction of the Engineer-in-Charge.	1	Each		
24	DOOR LOCKS Providing and fixing with C.P brass screws Alpha knob set lock of approved design, manufacturer, and color, cutting wood to required shape and size with three operation keys (Taiwan make). Complete in all respect as per specification & instruction of the Engineer-in-Charge	2	each		
TOTAL COST OF CIVIL WORK (NSI)				Rs=	

**REPAIR / RENOVATION / CONSTRUCTION OF WASH AREA AND PRINCIPAL ROOM AT
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(Plumbing Works)
Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
25	ENGLISH 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 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	1	Each	11,477.40	11,477.40
26	LAVATORY BASIN Providing and fixing 18" X 12" lavatory basin in white glazed earthen ware complete with & including the cost of W.I. or C.I. cantilever brackets 6" built into walls painted white in two coats after a primary coat of red lead paint a pair of ½" dia rubber plug and chrome plated brass chain 1¼" dia malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4 (foreign equivalent) CH-I: Page No. 4, Item No. 13.	1	Each	7,461.47	7,461.47
27	add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed (Foreign or Equivalent) Page No. 3, Item No. 11.	1	Each	938.47	938.47
28	C.I.TRAP Providing and fixing C.I. trap with 4" dia inlet and 4" dia outlet of the approved self cleaning design with a C.I. grating with or without a vent arm including cost of jointing requisite number of holes in walls, plinth and floor for pipe connection and making good cement concrete 1:2:4. (CH-I, Page NO. 6, Item No. 20)	3	Each	2,024.43	6,073.29
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)	2	Each	447.15	894.30

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(Plumbing Works)

Sindh Schedule of Rates 2012

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
30	TEE STOP COCKS Supply and fixing ½" dia concealed tee stop cock of superior quality with cp head (CH-VI-Page No. 18, Item No. 12-b)	1	Each	889.46	889.46
31	BASIN MIXTURE S/F wash basin mixture of superior quality with C.P.Head ½" dia. (Page No. 19, Item No. 14-b)	1	Each	3,179.00	3,179.00
32	STOP COCK Supply and fixing concealed tee-stop cock of superior quality with c.p. head ½" dia (Page No.18, Item No.12-a)	1	Each	843.92	843.92
33	PILLER COCK Supply and fixing swam type piller cock of superior quality with crystal head ½" dia (Page No. 19, Item No. 16 (b))	1	Each	887.80	887.80
34	LONG BIB COCK Supply and fixing long bib cock of superior quality with C.P. Head ½" dia (Page No/ 19, Item. 13a)	1	Each	887.80	887.80
35	BIB COCKS Supply and fixing C.P. Muslim Shower with double Bib Cock and ring pipe etc. complete (Page No. 19, Item No. 19-a)	1	Each	3,432.00	3,432.00
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	1	Each	10,322.40	10,322.40
37	C.I.TRAP Providing and fixing C.I. trap with 4" dia inlet and 4" dia outlet of the approved self cleaning design with a C.I. grating with or without a vent arm including cost of jointing requisite number of holes in walls, plinth and floor for pipe connection and making good cement concrete 1:2:4. (CH-I, Page NO. 6, Item No. 20)	1	Each	2,024.43	2,024.43
Sub Total				Rs=	49,311.74
_____ above / below				Rs=	_____
Cost of Scheduled Items (Plumbing Work)				Rs=	_____

**REPAIR / RENOVATION / CONSTRUCTION OF WASH AREA AND PRINCIPAL ROOM AT
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BILL OF QUANTITIES

Non-Schedule Items (Plumbing Work)

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
38	DOUBLE BIB COCK Providing and fixing chrome plated Muslim Double-Bib-Cock with Muslim Shower of (Master Make best quality). Complete in all respect as per instructions of Architect / Engineer-in-charge	1	Each		
39	PPRC PIPES Providing and fixing PPRC Pipes and specials, etc.; including fixing, cutting and fitting, complete with and including the cost of cutting trench upto 2'-6" feet deep, refilling watering, ramming and disposal of surplus earth within one chain and painting 2 coats of bitumen paint to pipes and specials after cleaning and hessian cloth soaked in maxphalt composition wrapped tightly round the pipes and testing to a pressure head of 200 feet and cartage within 10 miles (16.09 km).				
a	Do. Do ½ inch (12 mm) Dia Pipe.	50.00	Rft		
b	Do. Do ¾ inch (20 mm) Dia Pipe.	50.00	Rft		
40	U.P.V.C Providing and fixing Un Ployvinyl Chloride Pipe (P.V.C) "E" Class and tee, Bend & Elbow Specials etc. including cutting and fitting, complete with and including the cost of trench up to 1-1½ feet deep refilling, watering , ramming and disposal of surplus earth within one chain and after cleaning the pipe and cartage within 10 miles (working pressure 12/kg/cm ²)				
a)	Do. Do ¾" inch (6.25 mm) Dia Pipe.	90.00	P.Rft		
a)	Do. Do 3 inch (75 mm) Dia Pipe.	20.00	P.Rft		
b)	Do. Do 4 inch (100 mm) Dia Pipe.	20.00	P.Rft		
Cost of Non-Scheduled Items (Plumbing Work)				Rs=	

**REPAIR / RENOVATION / CONSTRUCTION OF WASH AREA AND PRINCIPAL ROOM AT
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BILL OF QUANTITIES

Electrical Work
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 wall or in columns as required.(Page No. 15, Item No. 124)	10.00	Per Point	1,130.00	11,300.00
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. 126)	3.00	Per Point	985.00	2,955.00
43	CEILING ROSE Providing and fixing bakelite ceiling rose with two terminals (Page No. 330, Item No. B-228)	1	Each	72.00	72.00
44	CEILING FAN Providing and fixing brass ceiling fan 56" i/c Fan Clamp good and best approved quality locally	1	Each	3,185.00	3,185.00
45	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)	25.00	Per Meter	305.00	7,625.00
46	Providing and fixing one way SP 5 amp switch flush type (Page No. 330, Item No. 219)	12	Each	54.00	648.00
47	Providing and fixing 3 pin way 5 amp plug & socket flush type (Page No. 330, Item No. 223)	3	Each	91.00	273.00
48	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)	2	Each	2,456.00	4,912.00
49	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)	1	Each	9,261.00	9,261.00
Sub Total				Rs=	40,231.00
_____ above / below				Rs=	
Cost of Civil Work (Scheduled Items)				Rs=	

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BILL OF QUANTITIES

NSI - Electrical Works

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
50	BOX TUBE LIGHT Providing & fixing Box Tube Light as per required size on false ceiling as per required specification and drawings. Complete in all respect as per instruction of Engineer-in-charge	4	Each		
51	FALSE CEILING FAN 2' x 2' Providing & installing Cassett Fan recessed type with blades, grill, having size of 2 x 2 including connection with 14.0076" flexible wire complete as required. (without regulator) Millat / Pak / Asia / Younas / Climax / Royal.	4	Each		
52	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.	1	Each		
53	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.	1	Each		
54	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.	8	Each		
55	P/F 20 amps double pole MCCB in metal board recessed in the wall / flush type including incoming and outgoing connection as required. Complete in all respect as per direction of the Engineer-in-Charge.	1	Each		
Cost of Electrical Work				Rs=	