



GOVERNMENT OF SINDH

SINDH GOVERNMENT
PMC HOSPITAL NAWABSHAH
M & R WORKS AT SURGICAL ICU BUILDING

BILL OF QUANTITIES

ESTIMATED COST RS.		M
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SUMMARY OF COST

S.No	ITEMS OF WORKS	AMOUNT
1	Composite Schedule Rate 2012 CIVIL WORK	2,574,370
2	Premium _____ % Above or Below On Schedule Items	
	TOTAL OF SCHEDULE ITEMS	
3	NON SCHEDULE ITEMS CIVIL WORK	
	TOTAL OF NON-SCHEDULE ITEMS	
	A = TOTAL AMOUNT CIVIL WORK	
1	Composite Schedule Rate 2012 PLUMBING WORK	113,695
2	Premium _____ % Above or Below On Schedule Items	
3	NON SCHEDULE ITEMS PLUMBING WORK	
	B = TOTAL AMOUNT PLUMBING WORK	
1	Composite Schedule Rate 2012 Electrical WORK	150,130
2	Premium _____ % Above or Below On Schedule Items	
3	NON SCHEDULE ITEMS Electrical WORK	
	C = TOTAL AMOUNT PLUMBING WORK	
	TOTAL AMOUNT A+B+C	



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ABSTRACT OF COST**

S.No	Description	Unit	Qty	Rate	Amount
CIVIL WORK SCHEDULE ITEMS					
1	Dismantling glazed or encaustic tiles etc (S.No 55 / Pg # 13).	%SH	2,476.00	786.5	19,473.74
2	Dismantling cement concrete plain 1:4:8 (S.No 19 a / Pg # 10).	%Cft	2,476.00	1663.75	41,194.45
3	Dismantling cement concrete plain 1:2:4 (S.No 19 c / Pg # 10).	%Cft	2,476.00	3327.5	82,388.90
4	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing at stone aggregate without shuttering. Ratio 1:4:8 (S.No 98 / Pg 112).	%Cft	807.84	11,288.75	91,195
5	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering 1:2:4 (Sl.5/16)	%CFT	403.92	14,429.25	58,283
6	Preparing the surface and painting with Matt finish l/c rubbing the surface with Bathy (Silicon carbide rubbing brick) filling the voids with zinc / 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.				
	2nd & Subsequent coat (S.No 36a,b / Pg # 55).	Sft	6,800.00	34.44	234,192
7	Distemping c) Three Coats (S.No 24 c / Pg # 54).	%Sft	5,734.00	2725.8	156,297



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S.No	Description	Unit	Qty	Rate	Amount
	CIVIL WORK SCHEDULE ITEMS				
8	Providing and fixing in position door and windows and ventilators for first class deodar wood frames 1 1/2" thick and teak wood ply shutters of first class deodar wood skeleton (Solid) stiled and ply wood stiled and rails core of partial wood and teak ply wood (3 Ply) on both sides including hold fast hinges al-drops Iron Tower Bolts handles Cleats with cord etc. Complete. (S.No 51 / Pg # 64).	P.Sft	424.00	1245.96	528,287.04
9	(d) Preparing surface and painting guard bars, gate of iron bars, gratings, railing including standard braces, etc) And similar open work. (Sl.5/56)				
	Priming coat	%SFT	352.00	521.95	1,837
	Each subsequent coat of paint.	%SFT	352.00	688.88	2,425
10	Galvanized wire gauge 144 mesh per square inch of 22 S.W.G fixed to chowkats without deodar patti (S.No 62 / Pg - 66).	P.Sft	640.00	104.15	66,656.00
11	Painting New Surfaces: c) Preparing surface and painting of doors and windows any type (including edges).				
	(i) Priming Coat	%SFT	944.00	862.95	8,146.25
	(ii) Each subsequent coat of paint	%SFT	944.00	626.73	5,916.33
12	Providing & fixing iron steel grill using solid square bars of size 1/2" x 1/2" placed at 4" I/c and frame of flat iron patti of 3/4" x 3/4" I/c circle shape at 1'-0" apart equivalent fitted with screws are pins I/c painting 3 coats with 1st coat of red oxide paint etc (S.No 30 / Pg # 94).	P.SFT	700.00	194.16	135,912.00



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S.No	Description	Unit	Qty	Rate	Amount
	CIVIL WORK SCHEDULE ITEMS				
13	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and pattern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile. (S.No 60 / Pg # 47).	%SFT	812.50	30509.77	247,891.88
14	Cement plaster 1:4 upto 12' height. (c) 3/8" (12mm) (SI.11C/52)	%SFT	4,768.00	2,197.52	104,778
15	Removing cement or lime plaster (S.No 53 / Pg - 13).	%SFT	4,768.00	121	5,769.28
16	Providing and fixing approved quality mortice lock (S.No 21 / Pg - 60).	No	40.00	1786.13	71,445.20
17	Supplying & fixing imposition Aluminium channels framing for hinged doors or Alcop made with 5 mm thick tinted glass glazing (Belgium) and Alpha (Japan) locks /lc handles, stoppers etc. (Vol-II, Part-II, Chap-18, Pg-107, Sr. 83b)	SFT	221.00	1507.66	333,192.86
18	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 & curing etc (S.No 24 / Pg - 19).	%Cft	120.00	15771.01	18,925.21
19	Providing & fixing deodar Almirah 9" - 12" depth including boxing with back shelves, shutters brass fittings complete. (S.No 23 / Pg - 61).	SFT	100.00	1778.5	177,850.00



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S No	Description	Unit	QTY	Rate	Amount
	CIVIL WORK SCHEDULE ITEMS				
20	Providing and laying 1" thick topping cement concrete (1:2:4) including surface finishing and dividing into panels: (Sl.16/42) (c) 2" thick (SCREEDING for ROOF)	%SFT	5,566.00	3275.5	182,314.33
			G.Total		2,574,370



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S No	Description	Unit	Qty	Rate	Amount
	CIVIL WORK NON SCHEDULE ITEMS				
1	Providing and laying fancy type Porcelain floor and dado tiles 24" x 24" & 1/4" thick as approved size specified approved quality / make / design and colour including laying with bond solution sand mortar including jointing in white cement including washing of tiles and filling of joints with slurry of white cement in desired shape with finishing including cutting of tiles to proper profile i/c. all respect labour and necessary required material as directed by the Engineer Incharge etc. complete.	SFT	3,426.00		
2	Providing & fixing false ceiling of thermopole in panels of required design and size including frame work of Aluminum T- section hanged with nail wire to ceiling etc: completed.	SFT	3,333.00		
3	Repairing of cracks on existing building masonry walls or RCC beams where clear cover has eroded, cutting the surface in V shape, removing rust, apply Zinc rich, bind steel, metal lath with nails and cement plaster 1:3 up to 40' height, level the surface with existing plaster, including folding complete with all respect	SFT	1,110.00		
4	Repair and treatment for slab eroded as directed by the engineer incharge.	SFT	575.00		
5	Providing & fixing Anti-Bacterial Fiber Sheets of approved design, colour and make of best quality with Biocote, Silver ion technology in walls as directed by the Engineer Incharge.	SFT	861.00		
6	Providing & fixing GI frames and water resistant gypsum board to level walls creating 90 degree angles and smooth finish as directed by the Engineer Incharge.	SFT	861.00		
7	Providing & fixing Conductive Antimicrobial PVC floor covering with copper mesh pasted on subfloor and properly grounded after Self levelling.	SFT	1,260.00		
TOTAL AMOUNT					



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S No	Description	Unit	Qty	Rate	Amount
PLUMBING WORK SCHEDULE ITEMS					
1	Providing, Laying uPVC pressure Pipes of Class 'D' fixing in trench i/c cutting fitting and jointing with Z joint with one rubber ring i/c testing with water to a head 122 meter or 400 ft.(SI.PH-53/23)	mm	100.00	91.87	9,187
	UPVC pipe 25mm dia	mm	100.00	144.36	14,436
	UPVC pipe 38mm dia				
2	Providing R C C Manhole Cover & Frame i/c Cost of Material etc. (SI.PH-J135)	Cwt	6.00	6,985.00	41,910
3	Supplying & fixing C.P Muslim Shower with crystal head etc.complete. (Vol-III, Part-V-B, Chap-6, Pg-18, Sr. 19b)	Each	10.00	3,432.00	34,320
4	S/Fixing long bib- cock of crystal head with 1/2" dia. (Vol-III, Part-V-B, Chap-6, Pg-18, Sr. 13b)	Each	10.00	1,384.24	13,842
					113,695



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S.No	Description	Unit	Qty	Rate	Amount
1	Gate Valve 38mm dia	No.	2.00		
2	Providing and fixing indian type WC imported set couple set as approved quality make and design including with matching colour with existing tiles colour including three gallon flushing tank with p Trap and waste pipe including finishing curing etc. complete.	Each	5.00		
3	Providing and fixing English commode imported set couple set as approved quality make and design including with matching colour with existing tiles colour including three gallon flushing tank with p Trap and waste pipe including finishing curing etc. complete.	Each	2.00		
4	P/F wash basin approved quality etc. complete in all respect. (Imported).	Each	12.00		
5	S/F Muslim Shower with double bib cock approved quality etc. complete. (Imported make)	Each	8.00		
6	S/F CP brass concealed T-stop cock of superior quality with crystal head 1/2" dia (Master make)	Each	6.00		
7	P/F floor trap jali 6"x6" size double sheeted as approved colour, make & design matching with Existing Ties & fixing with fine finishing and proper slope etc.complete.	Each	6.00		



8	S/F Wash Basin Mixture of superior quality with CP head 3/4" dia (Imported make)	Each	6.00				
9	Providing and fixing uPVC pipe including cutting making and jointing with switch pest with special approved quality including all cost of labour as directed by the Engineer Incharge etc. complete.						
	uPVC Pipe 4" dia	Rft	20.00				
	uPVC Pipe 3" dia	Rft	20.00				
	uPVC Pipe 3/4" dia	Rft	20.00				
	uPVC Pipe 1/2" dia	Rft	40.00				
10	Providing and fixing uPVC pipe fitting imported quality including all cost of labour as directed by the Engineer Incharge etc. complete.						
	4" dia plug tee	Each	10.00				
	4" dia plain bend	Each	10.00				
	4" dia cowl	Each	10.00				
	4" dia y-tee	Each	10.00				
	3" dia plug tee	Each	10.00				
TOTAL AMOUNT							



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S.No	Description	Unit	Qty	Rate	Amount
ELECTRIFICATION SCHEDULE					
1	Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm (3/4") PVC conduit recessed in the wall or column as required. (S.I.No. 124, Page No. 15).	P. pt	15.00	1,130.00	16,950
2	Wiring for plug point with 3/.029 PVC insulated wire in 20mm (3/4") PVC conduit recessed in the wall or column as required. (S.I.No126, Page No. 15).	P. pt	15.00	985.00	14,775
3	Wiring for call bell point with 3/.029 PVC insulated wire in 20mm (3/4") PVC conduit recessed in the wall or column as required. (S.I.No. 128, Page No. 15).	P. pt	5.00	1,764.00	8,820
4	Providing and laying (Main or sub Main)PVC insulated with size 3-7/.029 copper conductor in 3/4" dia PVC conduit on surface. (S.No 17 / Pg # 3).	rm	100.00	235.00	23,500
5	Providing and laying (Main or sub Main)PVC insulated with size 3-7/.036 copper conductor in 3/4" dia PVC conduit on surface. (S.No 18 / Pg # 3).	rm	100.00	276.00	27,600
6	Providing and laying (Main or sub Main)PVC insulated with size 3-7/.044 (6mm2) copper conductor in 1" dia PVC conduit on surface. (S.No 19 / Pg # 3).	rm	100.00	422.00	42,200
7	Providing & fixing Brass Ceiling fans 56" (good quality) E/C item no 235	Each	5.00	3185	15,925
8	Providing & fixing Bakelite ceiling rose with two terminals. (S.I.No. 228, Page No. 33)	rm	5.00	72.00	360
					150,130



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NON SCHEDULE**

S.No	Description	Unit	QTY	Rate	Amount
ELECTRIFICATION NON SCHEDULE					
1	Providing and fixing switches or sockets as per following specification and requirements (5 Amp): a) one gange	No.	10.00		
2	b) two gange	No.	10.00		
3	c) four gange	No.	10.00		
4	d) six gange	No.	10.00		
5	e) two pin 5 AMP sockets for half point	No.	10.00		
6	f) 5 pin plug socket for multiple use 10-15 amp	No.	10.00		
7	g) 3 pin power plug socket 20 amp	No.	10.00		
8	Providing and fixing bakelite holder (thread type) heavy and good quality with brass internal fittings complete with fixing accessories	No.	15.00		
9	P/F Fan dimmer fancy type pak/royal/millat/imported make with necessary connection. On sheet complete as required.	No.	15.00		
10	P/F Exhaust Fan 10" to 12" sweep with wall clamp Metal Body/Plastic Body Pak/Royal/Millat/Imported i/c necessary electric connection etc, complete.	No.	5.00		
11	P/F Earthing set with 1.5"x1.5' x.55' GI plate buried in the ground at depth of 12-ft: upto water level with salt and charcoal mixture etc i/c providing GI pipe and copper wire 8-SWG inspection chamber with MS cover plate.	job	1.00		
12	Providing & fixing Energy Saver 24 Wats approved quality etc. complete (Phillips).	No.	40.00		
13	Providing and fixing as per following specifications and requirements; powder coated box;door/ wall mountain with locking arrangement a) DP-50 AMP 6KA 01 No b) copper bus bars (50amp) 3no c) MCB (for room) (2-6 amp) 8no (2spare) d) MCB (15amp) (for RO/ washroom) e) MCB (10amp) (for water pump)	job	1.00		



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S.No	Description	Unit	Qty	Rate	Amount
14	Providing and fixing as per following specifications and requirements, powder coated box,door/ wall mountain with locking arrangement a) MCB (15amp) 01no b) MCB (10amp) 01no c) MCB (2-6 amp) 06 no (1 spare) d) Set of copper busbars 50 Amp 04 no.s	job	1.00		
15	Providing and fixing sweet water pump motor set 1 hp monoblock/donkey pump complete with foundation pad and fixing asecories as per approval of Engineer Incharge	job	2.00		
16	providing & fixing of fan hooks with all accessories	each	25.00		
17	Providing and laying (Main or sub Main)PVC/PVC as per following specification. with 1-7/.044 copper conductor in 1-1/2" dia PVC conduit recessed in the wall or column as required.	rm	180.00		
18	Providing and laying (Main or sub Main)PVC/pvc as per following specification. With 1-7/.064 copper conductor in 1-1/2" dia PVC conduit recessed in the wall or column as required.	rm	180.00		
19	Providing and fixing of pvc pipe including specials 1" dia to be burried in the ground by excavation/cutting katcha floor and making surface good complete as required.	rm	180.00		
TOTAL AMOUNT					

