



GOVERNMENT OF SINDH

**SINDH GOVERNMENT
DR. RUTH K.M PFAU CIVIL HOSPITAL
INFECTIOUS WASTE STERILIZATION FACILITY**

BILL OF QUANTITIES

COST RS.		M
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SUMMARY OF COST
DR. RUTH K.M PFAU CIVIL HOSPITAL KARACHI
CONSTRUCTION & REHABILITATION OF STERILIZATION FACILITY

1	Total Cost of Schedule of Rates 2012	Rs. 10,645,015.89
2	_____ % Premium on Schedule Items	
3	Cost of Non Schedule Items	
4	Amount of Schedule & Offer Items	
5	Grand Total in Millions	

SUMMARY OF COST
DR. RUTH K.M PFAU CIVIL HOSPITAL KARACHI
CONSTRUCTION & REHABILITATION OF STERILIZATION FACILITY

ABSTRACT OF COST

SCHEDULE ITEMS

SR. #	Description	Unit	Quantity	Rate	Amount (Rs)
1	Dismantling glazed or encaustic tiles etc. Vol-III, Part-II, Chap-2, Pg-13, Sr. 55)	% Sft	1169	Rs. 786.50	Rs. 9,194.00
2	Dismantling of Cement Concrete Plain Ratio 1:2:4 etc complete Vol-III, Part-II, Chap-2, Pg-10, Sr. 19-c)	% Cft	6403	Rs. 3,327.50	Rs. 213,060.00
3	Excavation in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. In ordinary soil. Vol-III, Part-II, Chap-1, Pg-4, Sr. 18-b)	%oCft	79	Rs. 3,176.25	Rs. 251.00
4	Cement concrete plain including placing compacting, finishing and curing, comlete (including screening and washing at stone aggregate without shuttering. Ratio 1:4:8 (Vol-III, Part-II, Chap-4, Pg-16, Sr. 5-i)	% Cft	12558	Rs. 11,288.75	Rs. 1,417,641.00
5	Providing and laying 1 : 3 : 6 cement concrete solid block masonary wall 6" and below in thickness set in 1: 6 cement mortar in ground floor Super Structure including raking out joints & curring etc, complete. (Vol-III, Part-II, Chap-4, Pg-19, Sr. 24)	% Cft	1375	Rs. 15,771.01	Rs. 216,851.00
6	Precast reinforced cement concrete in columns, beams lintels stair cases, shelves, etc. Ratio 1:2:4 Vol-III, Part-II, Chap-4, Pg-17, Sr. 6-b-i)	P.Cft	12738	Rs. 319.78	Rs. 4,073,358.00
7	Supplying & fixing fibre glass tank of approved quality and design and wall thicness as specified l/c cost of nutes, bolts and fixing in plateform of cement concreete 1: 3: 6 and makin connections for in -let ,& ou-let & over flow pipes etc. complete. 500 gallons wall thickness 4.5 mm (Vol-III, Part-V-B, Chap-8, Pg-20, Sr. 3 c)	P.Cft	2	Rs. 37,505.42	Rs. 75,011.00
8	Cement plaster 1:4 upto 12' height 1/2" thick.	% Sft	2320	Rs. 2,283.93	Rs. 52,987.00
9	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern 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 slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile.	% Sft	1894	Rs. 30,509.77	Rs. 577,855.00

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	(Vol-III, Part-II, Chap-8, Pg-47, Sr. 60)				
10	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 (new surface)	% Sft	984	Rs. 3,444.38	Rs. 33,893.00
	(Vol-III, Part-II, Chap-9, Pg-55, Sr. 36-a+b+b)				
11	Distempering Three Coat	% Sft	2000	Rs. 1,079.65	Rs. 21,593.00
	(Vol-III, Part-II, Chap-9, Pg-54, Sr. 24-c)				
12	Supplying & fixing in position Aluminium channels framing for slidding windows & ventilators of Alcop made with 5 mm thick tinted glass glazing (Belgium) & Aluminium fly screen l/c handles stoppers & locking arrangement etc. complete. Deluxe model (Bronze).	P.Sft	192	Rs. 1,647.69	Rs. 316,356.00
	(Vol-III, Part-II, Chap-18, Pg-107, Sr. 84b)				
13	Preparing the surface and painting with plastic emulsion of approved make (Old surface.)	% Sft	862	Rs. 1,402.23	Rs. 12,087.00
	(Vol-III, Part-II, Chap-9, Pg-56, Sr. 41-a+b)				
14	Providing and fixing squatting type white glazed earthen were w.c pan with including the cost of flushing cistern with internal fitting and flush Pipe with bend & making requisite number of holes in walls plinth & floor for pipe connections & making good in cement concrete 1.2.4 W.C pan of not less than 23" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trape.	Each	1	Rs. 5,044.60	Rs. 5,045.00
	(Vol-III, Part-V-B, Chap-1, Pg-1, Sr. 1a)				
15	Providing & fixing European white glazed earthen ware wash down w.c pan complete with and l/c the cost of white/black plastic seat (Best Quality) and lid with c.P brass hineges and buffers, 3 gallons white glazed earthen earthen ware low level foushing cistern with siphon fitting 1-1/2" dia white porcelain enamelled flush bend 3/4" dia and making requiste number of holes in walls, plinth and floor for Pipe connectios and making good in cement concreete 1: 2: 4. (Foreign Quality)	Each	1	Rs. 11,477.40	Rs. 11,477.00
	(Vol-III, Part-V-B, Chap-1, Pg-2, Sr. 5)				

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16	Providing & fixing 22 " x16" lavatory basin in white glazed earthen ware complete with & l/c tge cost of W.I or C.I cantilever brackets 6 inches built into wall, painted white in two coat after a primary coat of red lead paint, of 1/2" dia chrome plated pillar taps, 1-1/2" rubber plug & chrome brass waste of approved pattern, 1-1/4" dia.Malleable iron c.p brass traps, malleable iron or brass unions and making requisite number of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1 : 2: 4. (Standard pattern)	Each	1	Rs. 4,694.80	Rs. 4,695.00
	(Vol-III, Part-V-B, Chap-1, Pg-3, Sr. 12)				
17	Add extra for labour for providing & fixing of earthen ware pedestal white or coloured glazed (Foreign or Equivalent)	Each	1	Rs. 2,533.47	Rs. 2,533.00
	(Vol-III, Part-V-B, Chap-1, Pg-2, Sr. 11)				
18	Providing & fixing steel sinks stainless local make complete with cast iron or wrought iron brackets 6 inches built in wall, 1-1/2" c.p rubber plug chrome plated brass chain, 1-1/2" c.p brass waste, with 1-1/2" P.V.C. waste pipe & making requisite number of holes in wall & plinth & floor for pipe connection & making good in cement concrete 1 : 2: 4. Steel sink stainless sized 33" x 18" local make (Standard Pattern.)	Each	3	Rs. 5,712.30	Rs. 17,137.00
	(Vol-III, Part-V-B, Chap-1, Pg-5, Sr. 19c)				
19	Supplying & fixing surgical pillars cock with Elbow action C.P red etc complete.	Each	4	Rs. 6,358.00	Rs. 25,432.00
	(Vol-III, Part-V-B, Chap-6, Pg-18, Sr. 21)				
20	Providing & fixing 6" x 4" C.C gully trap with 4" outlet complete with 4" thick 1: 2: 4 C.C. for bed & 1/2" thick cement plaster (1:3) to the karb, C.I grating 6" x 6" & C.I cover and frame 12" x 12" (inside) etc. complete. With R.C.C. Cover.	Each	6	Rs. 1,259.50	Rs. 7,557.00
	(Vol-III, Part-V-B, Chap-10, Pg-23, Sr. 1 ii)				
21	Supplying & fixing C.P Muslim Shower with crystal head etc.complete.	Each	6	Rs. 3,432.00	Rs. 20,592.00
	(Vol-III, Part-V-B, Chap-6, Pg-18, Sr. 19b)				
22	S/Fixing long bib- cock of crystal head with 1/2" dia.	Each	6	Rs. 1,384.24	Rs. 8,305.00
	(Vol-III, Part-V-B, Chap-6, Pg-18, Sr. 13b)				
23	S/Fixing concealed stop cock of superior quality with c.p head 1/2" dia.	Each	6	Rs. 509.74	Rs. 3,058.00
	(Vol-III, Part-V-B, Chap-6, Pg-17, Sr. 11b)				
24	Providing & fixing Aluminium sheet 6" to 9" with V-Notch for expansion joints l/c fixing with nails / screws.	P.Sft	107	Rs. 207.51	Rs. 22,204.00

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	(Vol-III, Part-II, Chap-18, Pg-108, Sr. 88)				
25	Laying white marble flooring fine dressed on the surface without winding set in lime mortar 1:2 including rubbing and polishing of the joints. 1" thick flooring	% Sft	20	Rs. 628.93	Rs. 12,579.00
	(Vol-III, Part-II, Chap-8, Pg-43, Sr. 28-b)				
26	Providing and fixing approved quality mortice lock.	Each	12	Rs. 1,786.13	Rs. 21,434.00
	(Vol-III, Part-II, Chap-10, Pg-59, Sr. 21)				
27	Cartage of 100 CFT / 5 tons of all material likes one aggregate, spawl, coal, lime, surkhi etc. B.G. Rait fastenings points & crossing Bridges Girders, Pipes, Sheets Raits, M.S. Bars etc. or 1000 Nos brinks, 10' x 5' x 3' or 1000 manuds of fuel wood by trucks or any other means owned by the contractors (Lead upto 15 Miles etc).	% Cft	6695	Rs. 1,065.04	Rs. 71,304.00
	(Vol-III, Part-IV, Sixth Edition, Chap-1, Pg-1, Sr. 1 from 1st to 15 Mile)				
28	Providing and laying 2" thick topping cement concrete (1:2:4) including Surface finishing and dividiing into panels:	% Sft	25009	Rs. 3,275.50	Rs. 819,170.00
	(Vol-III, Part-II, Chap-8, Pg-42, Sr. 16-c)				
29	Providing, Laying uPVC pipes of Class 'D' fixing in trench i/c cutting, fitting and jointing with solvent cement i/c tsting with water to a head of 122 meter or 400 ft.				
	100 mm (4" dia)	P.Rft	220	Rs. 226.00	Rs. 49,720.00
	50 mm (2" dia)	P.Rft	800	Rs. 65.00	Rs. 52,000.00
	25 mm (1" dia)	P.Rft	1800	Rs. 27.00	Rs. 48,600.00
	38 mm (1 1/2" dia)	P.Rft	600	Rs. 43.00	Rs. 25,800.00
	19 mm (3/4" dia)	P.Rft	2800	Rs. 19.00	Rs. 53,200.00
	(Vol-IV, Part-VI - 2012 PHE Finished Items, Page No. 23, Sr. No. 6)				
30	Providing and fixing handle valves (china)				
	2" Dia	Each	12	Rs. 1,382.92	Rs. 16,595.00
	1½" Dia	Each	14	Rs. 640.42	Rs. 8,966.00
	1" Dia	Each	25	Rs. 365.42	Rs. 9,136.00
	¾" Dia	Each	22	Rs. 271.92	Rs. 5,982.00
	(Vol-III, Part-V-B, Chap-6, Pg-16, Sr. 5)				
31	Providing & fixing M.S clamps of the approved design to 4" dia C.I Pipe sockets including the cost of cutting and making good to wall or M.S bolts and nuts, 4" into wall including Pipe distance Pieces extra painting to match the colour of the building.	Each	12	Rs. 72.16	Rs. 866.00
	(Vol-III, Part-V-B, Chap-3, Pg-8, Sr. 2)				

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32	Extra cost due to use of Hi Bond Pre-packaged Polymer Modified mortar (DHPMM) as an admixture in concrete mix for increasing durability, to be used in concreting, flooring, block/ brick/ stone masonry or plastering as % by weight of cement.	P.Kg	875.00	Rs.	459.80	Rs.	402,325.00
	Vol-III, Part-II, Chap-4, Pg-17, Sr. 7-ii)						
33	Supplying & fixing Bath room accessories set (7 Piece) I/c towel rod, brush holder soaptray shelf of approved design I/c cost of screws, nuts etc Complete.(Master Brand).	Each	18	Rs.	10,322.40	Rs.	185,803.00
	(Vol-III, Part-V-B, Chap-6, Pg-18, Sr. 23)						
34	Dry rammed brick or stone ballast 1-1/2" to 2" gauge (S.I-2/Pg-15).	%Cft	12558	Rs.	3,327.50	Rs.	417,867.45
	(Vol-III, Part-II, Chap-4, Pg-15, Sr. 2)						
35	Cement concrete brick or stone ballast 1-1/2" to 2" gauge. (b) Ratio 1:4:8	%Cft	12558	Rs.	9,416.28	Rs.	1,182,496.44
	(Vol-III, Part-II, Chap-4, Pg-15, Sr. 4 (b))						
36	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. .	P. pt	100	Rs.	1,130.00	Rs.	113,000.00
	(Vol-III, Part-v, Chap-4, Pg-15, Sr. 124)						
TOTAL AMOUNT SCHEDULE AMOUNT						Rs.	10,645,015.89

NON-SCHEDULE ITEMS

SR. #	Description	Unit	Quantity	Rate	Amount (Rs)
1	Repair of Door & Windows Wood Work	P.Sft	430		
2	Providing and fixing of false ceiling of gypsum board in panel of required design and size including frame work of Aluminum T section hang with wire to ceiling etc.	P.Sft	1169		
3	Providing and laying procelene tiles glazed or polished 24"x24"x5/16" on floor or wall facing in required colour and pattern in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick i/c washing and filling of joints (R.A.K or equivalent make) etc complete as per direction of Engineer Incharge	P.Sft	5148		
4	Sand Blasting by General Silicone sand through mechanical means to clean and abroate surface any nest cementing, paint or other unwanted surface material by air powered compressor pressure preparation the surface for application erection and removal of fan waste removing teh dust fifteen cleaning as direction by the Engineer Incharge	P.Sft	2168		

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5	Providing and Fixing P-Trap	Each	62		
6	Supplying and fixing in position brass bib cocks 1/2" dia brass bib cock , Standard pattern	Each	6		
7	Providing and Fixing 3/4" thick and 1'-0" wide teak ply wall panelling including 0'-3"x0'-1½" deodar wood fixing with wall and board ply including teak polishing complete	P.Sft	130		
8	Providing and Fixing UPVC Fittings				
	TEE				
	1½" Dia	Each	35		
	1" Dia	Each	42		
	¾" Dia	Each	48		
	2" Dia	Each	38		
	4" Dia	Each	8		
	SOCKET				
	1½" Dia	Each	48		
	1" Dia	Each	54		
	¾" Dia	Each	70		
	2" Dia	Each	12		
	4" Dia	Each	16		
	BEND				
	1½" Dia	Each	28		
	1" Dia	Each	35		
	¾" Dia	Each	48		
	2" Dia	Each	16		
	4" Dia	Each	12		
	UNION				
	1½" Dia	Each	14		
	1" Dia	Each	32		
	¾" Dia	Each	48		
9	Providing and Fixing Cross Tee	Each	4		
10	Chemical Polish in C.C for prevent seepage or leakage of line add in concrete as rich quantity C.C 1:2:4 in 1:9 ratio or 1 Kg in 9 Kg mortar	P.Sft	11662		
11	Supplying & providing waste bins of HDPE-240 Liters as per approved by the Engineer Incharge.	No	100		
12	Supplying & providing waste bins of HDPE-640 Liters as per approved by the Engineer Incharge.	No	20		

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13	Installation of prefabricated PU Panel & refrigeration unit at storage facility size 8'x10' room to maintain temperature between 2 to 7 degree centigrade with all accessory for insulation of room ceiling walls and floor as per specification and design	Job	1		
TOTAL AMOUNT NON-SCHEDULE AMOUNTS					