

## Schedule B (Civil)

**Name Of Work**      **Rehabilitation & Expansion of High Priority 4560 Schools in Sindh @ GGPS Al Mehran Taluka Kotri District Jamshoro (C.Room)**

Description	Quantity		Rate	Unit		Amount
01. Dismantling cement concrete plain 1:2:4. (S.I.No. 19(c)/P-10)	402.00	Cft	Rs. 3327.00	%Cft	Rs.	13375.00
02. Supplying and filling sand under floors and plugging in wells. (S.I.No. 29/P-26)	151.00	Cft	Rs. 1141.25	%Cft	Rs.	1723.00
03. Cement concrete brick or stone ballast 1.5" to 2" gauge (b) Ratio 1:4:8. (S.I.No. 4(b)/P-15)	444.00	Cft	Rs. 9416.28	%Cft	Rs.	41808.00
04. Providing and fixing cement paving blocks flooring having size 197x97x60 mm of city / quaddra / cobble shape with pigment, having strength between 5000 to 8500 psi including filling the joints with hill sand and laying in specified manner / pattern & design etc complete. (S.I.No. 72/P-49)	888.00	Sft	Rs. 223.97	P.Sft	Rs.	198885.00
05. Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate without shuttering) (f) Ratio 1:2:4 (S.I.No. 5(f)/P-16)	100.00	Cft	Rs. 14429.25	%Cft	Rs.	14429.00
06. Cement plaster 1:6 upto 20 height (b) 1/2" thick. (S.I.No.13(b)/P-52)	649.00	Sft	Rs. 2206.60	%Sft	Rs.	14321.00
07. Cement plaster 1:4 upto 20 height (a) 3/8" thick. (S.I.No.11(a)/P-52)	649.00	Sft	Rs. 2197.52	%Sft	Rs.	14262.00
08. Notice board made with cement. (S.I.No.1/P-95)	160.00	Sft	Rs. 58.11	P.Sft	Rs.	9298.00
09. Providing & Laying floor of Verona Marble Tiles 12"x12"x3/4" fine dressed on the surface without winding set in white cement laid over 3/4" thick bed of 1:2 gray cement mortar, setting the tiles with gray cement slurry, jointing & washing the tiles with slurry of white cement and pigment to match the colour of tiles including curring, grinding, rubbing, chemical polishing and cutting tiles to proper profile etc complete.(R.A.A)	817.00	Sft	Rs. 310.43	P.Sft	Rs.	253621.00
10. Providing and laying topping cement concrete 1:2:4 including surface finishing and dividing into panels (c) 2" thick. (S.I.No. 16(c)/P-42)	2364.00	Sft	Rs. 3502.38	%Sft	Rs.	82796.00
11. Providing and fixing with sunk iron screws wooden architrave approved design / shape having width not less than 2.5" as directed by Engineer Incharge . (S.I No. 60/P-66)	148.00	Rft	Rs. 49.97	P.Rft	Rs.	7396.00
12. Distempering (c) 3 coats. (S.I.No. 24(c)/P-54)	6669.00	Sft	Rs. 1079.65	%Sft	Rs.	72002.00
13. Preparing the surface and painting with weather coat including rubbing the surface with bathy (silicon carbide rubbing brick) / sand paper, filling the voids with zinc / chalk / plaster of paris mixture and then painting with weather coat of approved make (New Surface). (A&B) 3 Coats. (S.I.No. 38(A&B)/P56)	3497.00	Sft	Rs. 2567.95	%Sft	Rs.	89801.00
14. Painting new surfaces (c) Preparing surface and painting of doors and windows any type (including edges) (I&ii) 3 coats. (S.I.No. 5(c)/I&ii/P-70)	608.00	Sft	Rs. 2116.41	%Sft	Rs.	12868.00
15. Two coats of bitumen laid hot using 34 lbs for % Sft over roof and blinded with sand @ 1 Cft per % Sft. (S.I.No. 13/P-35)	2364.00	Sft	Rs. 1887.40	%Sft	Rs.	44618.00
<b>Total S.I</b>					<b>Rs.</b>	<b>871203.0</b>
<b>Total N.S.I</b>					<b>Rs.</b>	<b>253621.0</b>
<b>G.Total</b>					<b>Rs.</b>	<b>1124824.0</b>

## Schedule B (WS & Sanitary)

**Name Of Work**    Rehabilitation & Expansion of High Priority 4560 Schools in Sindh @ GGPS Al Mehran Taluka  
Kotri District Jamshoro (Lav Block)

Description	Quantity		Rate	Unit	Amount
01. Providing & fixing squatting type white Glazed Earthenware W.C Pan with front flush inlet & 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 connections and making good in cement concrete 1:2:4 (B)(i) W.C of not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia C.I trap & C.I thumble. (S.I.No. 1(B)/i/P-1)	2.0	No.	Rs. 4846.60	Each	Rs. 9693.00
02. Providing & fixing 24"x18" Lavatory Basin in white glazed earthenware complete with and including the cost of W.I or C.I cantilever brackets 6" built into walls, painted white in 2 coats after a primary coat of red lead paint, a pair of 1/2" dia chrome plated pillar taps, 1.5" rubber plugs and chrome plated brass chain, 1.25" brass waste of approved pattern, 1.25" dia malleable iron or 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 (Foreign Or Equivalent). (S.I.No. 10/P-3)	1.0	No.	Rs. 4928.00	Each	Rs. 4928.00
03. Add extra labour for providing and fixing of Earthenware Pedestle white or coloured glazed (Foreign Or Equivalent). (S.I.No. 11/P-3)	1.0	No.	Rs. 2533.47	Each	Rs. 2533.00
04. Providing & fixing 6"x2" or 6"x3" C.I Floor Trap of the approved self-cleaning design with a C.I screwed down grating with or without a vent arm complete with and including making requisite number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4. (S.I.No. 20/P-6)	1.0	No.	Rs. 2042.43	Each	Rs. 2042.00
05. Providing & fixing in position Nyloon Connections complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nyloon connections. (S.I.No. 23/P-6)	3.0	No.	Rs. 447.15	Each	Rs. 1341.00
06. Providing & fixing 24"x18" Bavelled Edge Mirror of belgium glass complete with 1/8" thick hardboard and C.P screws fixed to wooden cleats (b) Superior quality. (S.I.No. 3(b)/P-7)	1.0	No.	Rs. 2376.00	Each	Rs. 2376.00
07. 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 walls or M.S bolts and nuts, 4" into wall including pipe distance pieces extra painting to match the color of building. (S.I.No. 2/P-9)	4.0	No.	Rs. 72.16	Each	Rs. 289.00
08. Providing G.I Pipes, specials and clamps etc including fixing, cutting and fitting complete with and including cost of breaking through walls and roof, making good etc, painting 2 coats after cleaning the pipes etc with white zink paint with pigment to match the colour of the building and testing with water to pressure head of 200 ft and handling.					
(i) 1/2" dia. (S.I.No.1(i)/P-12)	50.0	Rft	Rs. 73.21	P.Rft	Rs. 3661.00
(ii) 3/4" dia. (S.I.No.1(ii)/P-12)	50.0	Rft	Rs. 95.79	P.Rft	Rs. 4790.00
09. Add extra labour for concealed G.I pipe and fittings including making recess in the wall for pipes and making good in cement concrete etc complete (i) 1/2" dia. (S.I.No. 2(i)/P-12)	50.0	Rft	Rs. 7.82	P.Rft	Rs. 391.00
10. Supplying & fixing Long Bib Cock of superior quality with C.P head 1/2" dia. (S.I.No. 13(a)/P-19)	2.0	No.	Rs. 1109.46	Each	Rs. 2219.00
11. Supplying & fixing concealed Tee Stop Cock of superior quality with C.P head 1/2" dia. (S.I.No. 12(a)/P-18)	3.0	No.	Rs. 843.92	Each	Rs. 2532.00
12. Supplying & fixing Swan Type Pillar Cock of superior quality with C.P head 1/2" dia. (S.I.No. 16(a)/P-19)	1.0	No.	Rs. 795.30	Each	Rs. 795.00
13. Providing and fixing Handle Valves (China)					
(ii) 3/4" dia. (S.I.No. 5(ii)/P-17)	1.0	No.	Rs. 271.92	Each	Rs. 272.00
(iii) 1" dia. (S.I.No. 5(iii)/P-17)	1.0	No.	Rs. 365.42	Each	Rs. 365.00

14. Providing laying uPVC Pipes of class D fixing in trench including cutting fitting and jointing with solvent cement including testing with water to a head of 400 ft. (PH S.I.No. 6/P-24)							
(i) 4" dia.	20.0	Rft	Rs.	226.00	P.Rft	Rs.	4520.00
(k) 6" dia.	20.0	Rft	Rs.	483.00	P.Rft	Rs.	9660.00
15. Providing and fixing uPVC specials (Pak Arab or equivalent) of approved design fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer incharge. (R.A.A)							
a. Socket							
4" dia.	2.0	No.	Rs.	279.00	Each	Rs.	558.00
6" dia.	1.0	No.	Rs.	749.00	Each	Rs.	749.00
b. Elbow 90°							
4" dia.	2.0	No.	Rs.	404.00	Each	Rs.	808.00
6" dia.	1.0	No.	Rs.	981.00	Each	Rs.	981.00
c. Tee							
4" dia.	2.0	No.	Rs.	570.00	Each	Rs.	1140.00
6" dia.	1.0	No.	Rs.	1213.00	Each	Rs.	1213.00
d. Clip 4" dia.							
	2.0	No.	Rs.	146.00	Each	Rs.	292.00
e. Cowl 4" dia.							
	2.0	No.	Rs.	290.00	Each	Rs.	580.00
16. Providing Chambers 15"x9" (inside dimensions)x24" deep for house meters with 4 1/2" thick burnt brick masonry wall in 1:6 cement mortar, 6" thick C.C. 1:4:8 in foundation, 1/2" thick cement plaster 1:3 to all inside wall surface and to top, 1" thick C.C. 1:2:4 flooring complete with hinged cast iron cover and frame 15"x9" (inside) clear opening (Wt.1Qr) etc fixed in C.C 1:2:4 including curing, excavation, back filling and disposal of surplus earth etc complete. (S.I.No. 4/P-20)							
	1.0	No	Rs.	4905.67	Each	Rs.	4906.00
17. Supplying and fixing Fiber Glass Tank of approved quality & design and wall thickness as specified including cost of nuts, bolts and fixing in platform of C.C. 1:3:6 and making connections for inlet, outlet & over flow pipes etc complete (b) 350 gallons & wall thickness 4.0 mm. (S.I.No.3 III(b)/P-21)							
	1.0	No.	Rs.	30773.42	Each	Rs.	30773.00
18. Providing & fixing water pumping set 1/2 H.P Single Phase 220 Volts, with 1"x1-1/4" suction & delivery 50 ft head including making C.C 1:3:6 platform of required size & fixing with nuts & bolts etc complete in all respects. (R.A.A)							
	1.0	No.	Rs.	14717.70	Each	Rs.	14718.00
Total S.I						Rs.	88086.00
Total N.S.I						Rs.	21039.00
G.Total						Rs.	<u>109125.00</u>

## Schedule B (Civil)

**Name Of Work**      **Rehabilitation & Expansion of High Priority 4560 Schools in Sindh @ GGPS Al Mehran Taluka Kotri District Jamshoro (C.Wall)**

Description	Quantity		Rate	Unit		Amount
01. Dismantling brick masonry in lime or cement mortar. (S.I.No. 13/P-10)	241.00	Cft	Rs. 1285.63	%Cft	Rs.	3098.00
02. Dismantling cement concrete reinforced. Separating reinforcement from concrete, cleaning and straightening the same. (S.I.No. 20/P-10)	61.00	Cft	Rs. 5445.00	%Cft	Rs.	3321.00
03. Excavation in rock, dressed to designed section, grades and profiles, excavated material disposed off within 100 ft & lift upto 5 ft (a) Soft rock, slate, schist or laterite work with pick and crow bar. (S.I.No. 6(a)/P-2)	240.00	Cft	Rs. 7260.00	%oCft	Rs.	1742.00
04. Cement concrete brick or stone ballast 1.5" to 2" gauge (b) Ratio 1:4:8. (S.I.No. 4(b)/P-15)	60.00	Cft	Rs. 9416.28	%Cft	Rs.	5650.00
05. Pacca brick work in foundation and plinth in cement sand mortar 1:6. (S.I.No. 4(i)/e/P-21)	48.00	Cft	Rs. 11948.36	%Cft	Rs.	5735.00
06. Erection and removal of centering for Reinforced or Plain cement concrete works of partial wood (2nd class). (b) Vertical. (S.I.No. 19(b)/ii/P-18)	330.00	Sft	Rs. 3127.41	%Sft	Rs.	10320.00
07. Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate without shuttering) (f) Ratio 1:2:4 (S.I.No. 5(f)/P-16)	119.00	Cft	Rs. 14429.25	%Cft	Rs.	17171.00
08. R.C.C 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 (a) R.C.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position. Complete in all respects (i) Ratio 1:2:4 90 lbs. (S.I.No. 6(a)/i/P-17)	99.00	Cft	Rs. 337.00	P.Cft	Rs.	33363.00
09. Fabrication of Tor steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust from bars. (S.I.No. 8(b)/P-17)	5.00	Cwt	Rs. 5001.70	P.Cwt	Rs.	25009.00
10. Filling, watering and ramming earth in floors with surplus earth from foundation. Lead upto one chain and lift upto 5 ft. (S.I.No. 21/P-4)	160.00	Cft	Rs. 1512.50	%oCft	Rs.	242.00
11. Pacca brickwork in other than building including stricking of joints upto 20 ft height in cement sand mortar 1:6. (S.I.No. 7(i)/e/P-22)	81.00	Cft	Rs. 12346.65	%Cft	Rs.	10001.00
12. Cement plaster 1:6 upto 20 height (b) 1/2" thick. (S.I.No.13(b)/P-52)	928.00	Sft	Rs. 2206.60	%Sft	Rs.	20477.00
13. Cement plaster 1:4 upto 20 height (a) 3/8" thick. (S.I.No.11(a)/P-52)	928.00	Sft	Rs. 2197.52	%Sft	Rs.	20393.00
14. Providing and laying Hala or pattern tiles glazed 6"x6"x1/4" on floor or wall facing in required pattern of Stile specification jointed in white cement and pigment over a base of 1:2 gray cement mortar 3/4" thick including washing and filling of joints with slurry of white cement and pigment in desired shape with finishing, cleaning and cost of wax polish etc complete including cutting tiles to proper profile. (S.I.No. 61/P-48)	48.00	Sft	Rs. 47651.56	%Sft	Rs.	22873.00
15. Making and fixing steel grated door with 1/16" thick sheeting including angle iron frame 2"x2"x3/8" and 3/4" square bars 4" c/c with locking arrangement. (S.I.No. 24/P-92)	50.00	Sft	Rs. 726.72	P.Sft	Rs.	36336.00
16. Preparing the surface and painting with weather coat including rubbing the surface with bathy (silicon carbide rubbing brick) / sand paper, filling the voids with zinc / chalk / plaster of paris mixture and then painting with weather coat of approved make (New Surface). (A&B) 3 Coats. (S.I.No. 38(A&B)/P56)	928.00	Sft	Rs. 2567.95	%Sft	Rs.	23831.00

17. Painting new surfaces (d) Preparing surface and painting guard bars, gates of iron bars, gratings, railings including standard braces etc and similar open work (I&ii) 3 coats. (S.I.No. 5(d)/I&ii/P-70)							
	100.00	Sft	Rs.	1270.83	%Sft	Rs.	1271.00
Total S.I						Rs.	240833.0
Total N.S.I						Rs.	0.0
G.Total						Rs.	<u><u>240833.0</u></u>

## Schedule B (Civil)

Name Of Work		Rehabilitation & Expansion of High Priority 4560 Schools in Sindh @ GBPS Al Mehran Taluka Kotri District Jamshoro (Lav Block)					
	Description	Quantity		Rate	Unit		Amount
01.	Excavation in foundation of building, bridges and other structure including dagbelling dressing, refilling around structure with excavated earth, watering and ramming. Lead upto 5 ft (b) In ordinary soil. (S.I.No. 18(b)/P-4)	249.00	Cft	Rs. 3176.25	%oCft	Rs.	791.00
02.	Cement concrete brick or stone ballast 1.5" to 2" gauge (b) Ratio 1:4:8. (S.I.No. 4(b)/P-15)	84.00	Cft	Rs. 9416.28	%Cft	Rs.	7910.00
03.	Pacca brick work in foundation and plinth in cement sand mortar 1:6. (S.I.No. 4(i)/e/P-21)	134.00	Cft	Rs. 11948.36	%Cft	Rs.	16011.00
04.	Erection and removal of centering for Reinforced or Plain cement concrete works of partial wood (2nd class). (b) Vertical. (S.I.No. 19(b)/ii/P-18)	210.00	Sft	Rs. 3127.41	%Sft	Rs.	6568.00
05.	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate without shuttering) (f) Ratio 1:2:4 (S.I.No. 5(f)/P-16)	123.00	Cft	Rs. 14429.25	%Cft	Rs.	17748.00
06.	R.C.C 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 (a) R.C.C work in roof slab, beams, columns, rafts, lintels and other structural members laid in situ or precast laid in position. Complete in all respects (i) Ratio 1:2:4 90 lbs. (S.I.No. 6(a)/i/P-17)	84.00	Cft	Rs. 337.00	P.Cft	Rs.	28308.00
07.	Fabrication of Tor steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastening including cost of binding wire (also includes removal of rust from bars. (S.I.No. 8(b)/P-17)	5.00	Cwt	Rs. 5001.70	P.Cwt	Rs.	25009.00
08.	Filling, watering and ramming earth in floors with surplus earth from foundation. Lead upto one chain and lift upto 5 ft. (S.I.No. 21/P-4)	166.00	Cft	Rs. 1512.50	%oCft	Rs.	251.00
09.	Supplying and filling sand under floors and plugging in wells. (S.I.No. 29/P-26)	365.00	Cft	Rs. 1141.25	%Cft	Rs.	4166.00
10.	Pacca brick work in ground floor in cement sand mortar 1:6. (S.I.No. 5(i)/e/P-21)	218.00	Cft	Rs. 12674.36	%Cft	Rs.	27630.00
11.	Providing & fixing galvanized iron frames / chowkats of size 7"x 2" or 4.5"x3" for doors using 20 guage 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 jams. The cost also include all carriage, tools and plants used in making & fixing. (S.I No. 29/P-93)	33.00	Rft	Rs. 228.90	P.Rft	Rs.	7554.00
12.	Providing & fixing galvanized iron frames / chowkats of size 7"x 2" or 4.5"x3" for windows using 20 guage 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 jams. The cost also include all carriage, tools and plants used in making & fixing. (S.I No. 28/P-1)	12.00	Rft	Rs. 240.50	P.Rft	Rs.	2886.00
13.	Providing and fixing iron / steel grill using solid square bars of size 1/2"x1/2" placed at 4" c/c and frame of flat iron 3/4"x1/4" including circle shape at 1-0 apart equivalent fitted with screws or pins including painting 3 coats with 1st coat of red oxide paint etc. (S.I.No. 30/P-94)	4.00	Sft	Rs. 194.16	P.Sft	Rs.	777.00
14.	Cement plaster 1:6 upto 20 height (b) 1/2" thick. (S.I.No.13(b)/P-52)	708.00	Sft	Rs. 2206.60	%Sft	Rs.	15623.00
15.	Cement plaster 1:4 upto 20 height (a) 3/8" thick. (S.I.No.11(a)/P-52)	708.00	Sft	Rs. 2197.52	%Sft	Rs.	15558.00
16.	Coloured glazed tiles 1/4" thick dodo jointed in white cement & pigment and laid over 1:2 cement sand mortar 3/4" thick including finishing. (S.I.No. 38/P-45)	164.00	Sft	Rs. 28299.30	%Sft	Rs.	46411.00

17.	Laying floor of approved coloured glazed tiles 1/4" thick laid in white cement & pigment over a bed of 3/4" thick cement mortar 1:2. (S.I.No. 25/P-43)	105.00	Sft	Rs.	27747.06	%Sft	Rs.	29134.00
18.	Providing and laying topping cement concrete 1:2:4 including surface finishing and dividing into panels (c) 2" thick. (S.I.No. 16(c)/P-42)	84.00	Sft	Rs.	3502.38	%Sft	Rs.	2942.00
19.	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. Deodar panelled or panelled and glazed or fully glazed (b)1.75" thick . (S.I.No. 7(b) /P-58)	34.00	Sft	Rs.	1273.76	P.Sft	Rs.	30700.00
					902.93	Only Shutter		
20.	Priming coat of chalk under distemper. (S.I.No. 23/P-54)	216.00	Sft	Rs.	442.75	%Sft	Rs.	956.00
21.	Distempering (c) 3 coats. (S.I.No. 24(c)/P-54)	216.00	Sft	Rs.	1079.65	%Sft	Rs.	2332.00
22.	Preparing the surface and painting with weather coat including rubbing the surface with bathy (silicon carbide rubbing brick) / sand paper, filling the voids with zinc / chalk / plaster of paris mixture and then painting with weather coat of approved make (New Surface). (A&B) 3 Coats. (S.I.No. 38(A&B)/P56)	457.00	Sft	Rs.	2567.95	%Sft	Rs.	11736.00
23.	Painting new surfaces (c) Preparing surface and painting of doors and windows any type (including edges) (I&II) 3 coats. (S.I.No. 5(c)/I&II/P-70)	68.00	Sft	Rs.	2116.41	%Sft	Rs.	1439.00
Total S.I							Rs.	304025.00
Total N.S.I							Rs.	0.00
G.Total							Rs.	<u><u>304025.00</u></u>