

**TENDER DOCUMENTS FOR REPAIR & MAINTENANCE
ADDITION, ALTERATION & RENOVATION WORK(GAS PIPE LINE)
FOR THE YEAR, 2016-2017**

AT

SOCIAL SECURITY, K.V SITE HOSPITAL

TECHNICAL BIDS



Sindh Employees' Social Security Institution

ST-17 Block-6 Rashid Minhas Road Gulshan-e-Iqbal

Karachi-75300, Phone No: 021-99243927

**TENDER FOR REPAIR & MAINTENANCE / ADDITION & ALTERATION WORKS
FOR THE YEAR 2016-2017 AT S.SK.V SITE HOSPITAL SUI GAS PIPE LINE**

PLUMBING / SANITARY WORKS

S.No.	Schedule & Page Nos.	Description	Qty.	Unit	Rate	Amount
1.	1/43	Providing and fixing best quality squatting type white glazed earthenware W.C pan, Pakistani (of not less than 18 Inches clear opening as measured between flushing rims) complete with and including the cost of 13.6 litre best quality low level plastic flushing cistern with internal fittings complete, P.V.C. flushing pipe suitable for squatting type with extra bends and length with fittings, C.I. trap 4 inches (100 mm) dia and making requisite number of holes in walls, plinth & floor for pipe connection and marking good in cement concrete 1:2:4.	-	Each	3424.92	-
2.	2/43	Do. Do with 4 Inch (100 mm) dia. White glazed earthenware trap Do.	-	Each	2621.92	-
3.	6/43	Providing and fixing Pakistani make best available quality European style white glazed earthenware wash down W.C. Pan complete with and including the cost of a plastic seat (PVC cover and buffers 3 galls. (13.6. litres) white glazed earthenware low level flushing cistern with siphon fittings, 1-1/2 inches (40 mm) dia white porcelain enameled flush bend, 3/4 inch (20mm) dia, G.I. warning pipe carried outside and bent vertically downwards and making requisite number of holes in walls. Plinth and floor for pipe connections and making good in cement concrete 1:2:4.	-	Each	4804.67	-
4.	8/44	Providing and fixing 25 inches x 18 inches (635 mm x 457mm) lavatory basin in white glazed earthenware (Pakistani) complete with and including the cost of Brass oxidized bolts kit built into wall /2 inch (15 mm) dia. Chrome plated mixer 1-1/4" inches (32 mm) rubber plug and chrome plated bass chain, 1-1/4 inches (32 mm) dia brass waste of approved pattern, 1-1/4 inches (32 mm) 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 connections and making good in cement concrete 1:2:4.	-	Each	5068.14	-
5.	10/44	Extra over schedule item No.8 and 9 for providing and fixing best available (Pakistani make) white glazed earthenware pedestal.	-	Each	863.83	-
6	15/44	Providing and fixing 6 inches x 2 inches or 6 inches x 3 inches (150 mm x 50 mm or 150 mm x 80 mm) C.I. floor trap of approved self cleansing design with 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 connection and making good in cement concrete 1:2:4.	-	Each	882.98	-
7.	16/45	Providing and fixing C.I. trap with 4 inches (100 mm) dia inlet and 4 inches (100mm) dia outlet of the approved self cleansing design with C.I. grating with or without a vent arm including cost of making requisite number of holes in wall, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	-	Each	838.98	-
8.	17/45	Providing 1/2 inch (15mm) dia plastic connection complete with a 1/2 inch (15 mm) dia brass stop cock two brass nuts and lining jointed to plastic pipe.	-	Each	333.70	-

9.	20/45	Providing and fixing standing wall shower of CP brass 3 knobs of approved quality mixer unit and moveable shower head complete.	-	Each	4489.28	-
10.	22/45	Providing and fixing approved quality stainless steel sink 48" x 20" Pak made (Atlas) complete with brass oxidized bolt kit/ angle iron brackets built into walls ½" dia CP sink mixer 1-1/4" rubber plug and CP brass chain 1-1/4" CP brass waste 1-1/4 dia malleable iron or CP brass bottle trap with malleable iron or brass unions and making requisite number of holes in walls, plinth and floor or pipe connections and number of holes in walls, plinth and floor for pipe connections and making good in cement concrete 1:2:4.	-	Each	13176.77	-
11.	1/47	Providing and fixing 30 x ¾" (762 mm x 20 mm) dia approved quality of chrome plated brass towel rail complete with brackets fixed with 1" (25 mm) long C.P brass screws and rawal plug.	-	Each	1019.40	-
12.	4/47	Providing and fixing plastic (PVC) toilet paper holder in wall complete of any colour.	-	Each	534.30	-
13.	5/47	Providing and fixing 24 inches x 18 inches (610 mm x 457 mm) looking mirror of imported glass 5 mm thick fixing with CP clamps and screws.	-	Each	595.30	-
14.	7/47	Providing and fixing glass shelf 25 inches x 5 inches (610 mm x 127 mm) brackets and guard rail complete.	-	Each	409.85	-
15.	9/47	Providing and fixing bath room accessories of set of 6 pieces consist of one shelf, one towel rod with bracket, one towel ring, one soap dish, one tooth Brush holder with glass, one tissue paper holder one double hook etc complete of approved quality as per direction of Engineer in-charge.	-	Each	12756.92	-
16.	13/48	Providing & fixing chromium plated Muslim bib-cock with out Muslim Shower of approved quality.	-	Each	720.94	-
17.	1/50	Providing and fixing 4 inches (100 mm) dia C.I. soil and vent pipes spun including cutting and fitting and extra painting to match the colour of the building and cartage within 10 miles (16,09 km).	-	Rft	482.99	-
18.	2/50	Providing and fixing M.S. clamps of the approved design to 4 inches (100 mm) dia C.I. pipe spun sockets including the cost of cutting and making good to wall or M.S. bolts and nuts built. 4 inches (100 mm) in to wall including pipe distance pieces, extra painting to match the colour of the building and cartage within 10 miles. (16.09 km.)	-	Each	129.45	-
19.	3/50	Providing and fixing 4 inches x 4 inches (100 mm x 100 mm) dia C.I. branch of the required degree with access doors rubber washer 1/8 inch (3.2 mm) thick and bolts and nuts and extra painting to match the colour of the building and cartage within 10 miles (16.09 km) for Spun.	-	Each	2320.96	-
20.	4/50	Providing and fixing 4 inches x 4 inches (100 mm x 100 mm) dia C.I. branch of the required degree with access doors rubber washer 1/8 inch (3.2 mm) thick and bolts and nuts and extra painting to match the colour of the building and cartage within 10 miles (16.09 km) for Spun.	-	Each	2320.96	-
21.	5/50	Providing and fixing 4 inches x 4 inches (100 mm x 100 mm) dia plain C.I. branch of the required degree including extra painting to match the colour of the building and cartage within 10 miles (16.09 km) for Spun pipe)	-	Each	2282.46	-
22.	14/51	Providing and fixing 4 inches (100 mm) dia C.I. bend of the required degree with access door, rubber washer 1/8 inch (3.2mm) thick and bolts and nuts and extra painting to match the colour of the building and cartage within 10 miles (16.09 km) (for Spun pipe)	-	Each	669.64	-
23.	15/51	Providing and fixing 4 inches (100 mm) dia C.I. bend of the required degree including to match the	-	Each	631.14	-

		colour of the building and cartage within 10 miles (16.09 km) (for Spun pipe)				
24.	1/54	Providing G.I. pipes specials and clamps etc., including fixing cutting and fitting complete with including the cost of breaking through walls and roof, making good painting 2 coats after cleaning the pipe etc., with white zinc paint or to match the colour of the building and testing with pressure head of 200 feet (61 M) and cartage within – (16.09 km) (ILLM) ½ inch (15mm) dia pipe.	1900	Rft	67.82	128858.00
25.	2/54	Do. Do. ¾ inch (20 mm) dia pipe (ILLM).	1950	Rft	88.28	172146.00
26.	3/54	Do. Do. 1 inch (25mm) dia pipe (ILLM)	3300	Rft	127.73	421509.00
27.	4/54	Do. Do. 1-1/4 inches (32 mm) dia pipe (ILLM).	-	Rft	165.81	-
28.	5/54	Do. Do. 1-1/2 inches (40 mm) dia pipe (ILLM).	-	Rft	178.90	-
29.	6/54	Do. Do. 2 inches (50 mm) dia pipe (ILLM).	-	Rft	242.48	-
30.	1/55	Providing G.I. pipes and specials, etc., including fixing, cutting and fitting, complete with and including the cost of cutting trench upto 2-1/2 feet (762 mm) deep, refilling, watering, ramming and disposal of surplus earth within one chain and painting 2 coats of bitumen pain 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 (61 m) and cartage within 10 miles. (16.09km). ILLM). ½ inch (15mm) dia pipe.	-	Rft	68.32	-
31.	4/55	Do. Do 1-1/4 inches (32 mm) dia pipe (ILLM).	-	Rft	158.07	-
32.	5/55	Do. Do 1-1/2 inches (40 mm) dia pipe (ILLM).	1300	Rft	170.58	221754.00
33.	6/55	Do. Do 2 inches (50 mm) dia pipe (ILLM).	4300	Rft	232.03	997729.00
34.	7/55	Do. Do 3 inches (80 mm) dia pipe (ILLM).	-	Rft	299.64	-
35.	8/55	Do. Do 4 inches (100 mm) dia pipe (ILLM).	-	Rft	337.31	-
36.	11/56	Providing and fixing un platisized polyvinyl chloride pipe (u.P.V.C) “E” class with specials) and clamps etc. including cutting and fitting, complete with and including the cost of breaking through walls and roof and making good etc., after cleaning the pipe and cartage within 10 miles (16.09 km) (working pressure 12 kg/cm ²): ¾ inch (20 mm) dia.	-	Rft	35.21	-
37.	12/56	Do. Do 1 inches (25 mm) dia .	-	Rft	42.23	-
38.	13/56	Do. Do 1- ¼ inches (32 mm) dia .	-	Rft	64.22	-
39.	14/56	Do. Do 1-1/2 inches (40 mm) dia .	-	Rft	82.10	-
40.	15/56	Do. Do 2 inches (50 mm) dia pipe.	-	Rft	113.90	-
41.	21/57	Providing and fixing un platisized polyvinyl chloride pipe (P.V.C) “D” class and specials etc, including cutting and fitting complete with and including the cost of cutting 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 (16.09 km) (working pressure 12 kg/ cm ²) 2” inch (50 mm) dia.	-	Rft	66.74	-
42.	24/57	Do. Do 3 inches (80 mm) dia pipe.	-	Rft	207.10	-
43.	25/57	Do. Do 4 inches (100 mm) dia pipe.	-	Rft	328.36	-
44.	1/58	Providing and fixing ½ inches dia. (15 mm) brass bib cocks.	-	Each	389.75	-
45.	2/58	Do. Do ¾ inches (20 mm) dia brass bib cocks.	-	Each	527.25	-
46.	3/58	Do. Do 1/2 inches (15 mm) dia brass stop cock	-	Each	279.75	-
47.	4/58	Do. Do 3/4 inches (20 mm) dia brass stop cock.	-	Each	472.25	-
48.	6/58	Providing and fixing ½ inches (15 mm) dia full way gun metal valves with wheels threaded or flanged ends with rubber washers, (standard pattern).	-	Each	554.75	-
49.	7/58	Do. Do 3/4 inches (20 mm) dia Do.	-	Each	884.75	-

50.	8/58	Do. Do 1 inch (25 mm) dia Do.	-	Each	884.75	-
51.	9/58	Do. Do 1-1/4 inches (32 mm) dia Do.	-	Each	1269.75	-
52.	10/58	Do. Do 1-1/2 inches (40 mm) dia Do.	-	Each	1335.75	-
53.	11/58	Do. Do 2 inches (50 mm) dia Do.	-	Each	1379.75	-
54.	13/58	Do. Do 3 inches (80 mm) dia Do.	-	Each	2226.00	-
55.	14/58	Do. Do 4 inches (100 mm) dia Do.	-	Each	3133.50	-
56.	18/58	Providing and fixing 1" dia (25 mm) dia ball valve (with PVC Ball) made to B. S.S. 1212.	-	Each	250.76	-
57.	19/58	Do. Do 1-1/4 inches (32 mm) dia Do.	-	Each	344.26	-
58.	20/58	Do. Do 1-1/2 inches (40 mm) dia Do	-	Each	431.51	-
59.	25/59	Making connection with the existing G.I. pipe upto 2 inches (50 mm) dia including cutting the pipe and providing and fixing necessary fittings.	-	Each	448.58	-
60.	26/59	Making connection with the existing G.I. pipe of size large than 2 inches to 6 inches (50 mm) dia including cutting the pipe and providing and fixing necessary fittings.	-	Each	4391.20	-
61.	27/60	Providing and fixing gun-metal non-return valves with male and female ends as required. ½ inches (15 mm) dia.	-	Each	569.01	-
62.	28/60	Do. Do ¾ inches (20 mm) dia	-	Each	734.01	-
63.	29/60	Do. Do Do 1 inch (25 mm) dia	-	Each	899.01	-
64.	30/60	Do. Do Do 1-¼ inched (32 mm) dia	-	Each	1284.01	-
65.	31/60	Do. Do Do 1-1/2 inches (40 mm) dia	-	Each	1350.01	-
66.	32/60	Do. Do Do 2 inches (50 mm) dia	-	Each	1399.51	-
67.	34/60	Do. Do Do 3 inches (80 mm) dia	-	Each	2140.51	-
68.	35/60	Do. Do Do 4 inches (100 mm) dia	-	Each	3162.02	-
69.	4/61	Providing chambers 15 inches x 9 inches or 380 mm x 230 mm (inside dimensions) x 24 inches (610 mm) deep for house meters, with 4-1/2 inches (115 mm) thick, burnt brick masonry walls in 1:6 C.M, 6 inches (150 mm) C.C. 1:4:8 in foundation, ½ inch (13 mm) thick cement plaster in 1:3 C.M. to all inside wall surfaces and to top, 1 inch (25 mm) thick C.C. 1:2:4 flooring complete with cast iron hinged cover and frame 15 inches x 9 inches or 380 mm x 230 mm (inside) clear opening (wt= 1 Qtr. Or 12.7 kg) fixed in cement concrete 1:2:4 including curing, excavation back filling and disposal of surplus earth etc., complete	-	Each	2669.70	-
70.	22/58	Providing and fixing 300 gallons (1364 litres) net capacity tanks of 1/8 inch (3.2 mm) thick G.I. sheet complete with including the cost of angle (1-1/4 inches x 1-1/4 inches x 1/8 inches) 32 mm x 32 mm x 3.2 mm) iron frame, C.I. mosquito proof cover and frame, overflow of the required size, 1-1/2 inches (40 mm) dia. Scour pipe, holes for inlet and outlet, and G.I. fitting for them including painting the tank inside with 2 coats of bitumen paint and outside 2 coats of white zinc paint with pigment to match the colour of the building with a priming coat of red oxide (size 4 ft x 4ft x 3-3/4 ft. or 1.22 m x 1.22 m x 1.14 m).	-	Each	42989.00	-
71.	24/58	Do. Do. 400 gallons (1818 litres) net capacity tank (size 4-1/2 ft x 4-1/2 ft x 4 ft) or 1.37 m x 1.22 m).	-	Each	51632.12	-
72.	1/71	Providing R.C.C. pipes and collars of class 'B' and fixing in trench including cutting, fitting and jointing with maxphalt composition and cement mortar (1:1) and back filling the excavated material in trench including testing with water to a pressure head of 80 feet (25 m) and cartage within 10 miles (16.09 k.m) 4 inches (100 mm) dia pipe.	-	Rft	138.86	-
73.	2/71	Do. Do 6 inches (150 mm) dia. Pipe.	-	Rft	186.09	-
74.	3/71	Do. Do 9 inches (230 mm) dia. Pipe	-	Rft	250.26	-
75.	4/71	Do. Do 12 inches (305 mm) dia pipe	-	Rft	504.60	-
76.	6/71	Do. Do 18 inches (460 mm) dia pipe.	-	Rft	833.90	-
77.	5/73	Excavation in all kinds of soil, murum, hard, average or soft including lift up to 5 feet (1.52 m)	-	100 % Cft	599.70	-

		and lead up to one chain (30.48 m).				
78.	6/73	Excavation in soft rock by hammering and chiseling including lift up to 5 feet (1.52 m) and lead up to one chain (30.48 m).	2800	100 % Cft	1477.56	41371.68
79.	16/74	Add for addition all lead of every one chain (30.48 m) or part thereof in schedule items 1 to 14.	-	100 % Cft	77.35	-
80.	3/76	Providing and fixing 6" x 6" (150 mm x 150 mm) with 4 inches (100 mm) outlet cement concrete C.I. gully trap wt: 42 lbs. (19 kg) complete with 4 inches thick (100 mm) 1:2:4 cement concrete for bed and kerb, ½ inch (13 mm) thick cement plaster (1:3) to the kerb, C.I. grating 6 inches x 6 inches (150 mm x 150 mm) and C.I. cover and frame 12 inches x 12 inches (305 mm x 305 mm) (inside) etc., complete.	-	Each	1633.58	-
81.	4/76	Do. Do RCC cover (12" x 12") 305 mm x 305 mm) thick with handle.	-	Each	1278.16	-
82.	1/79	Providing manholes type 'A' size 2 feet x 1-1/2 feet or 610 mm x 457 mm (inside dimensions) x 2feet (610 mm) deep as per approved design and specifications complete for 4 inches to 12 inches (100 mm to 305 mm) dia pipe 3 feet-11 inches (1.19m) depth with cast iron cover and frame 16 inches (460 mm) dia. Inside weight=1 Cwt.1 Qrs. (63.5 kg) fixed in 4 inches (100 mm) thick R.C.C. 1:2:4 Slab, 8 inches (203 mm) thick C.C 1:3:6 block masonry walls sets in 1:3 C.M., 6 inches (150 mm) thick 1:3:6 C.C. in foundation 1:2:4 C.C in benching, ½ inch (13 mm) thick C.P. in 1:3 Cu.m to all inside wall surfaces channels and benching etc., and to top including providing and fixing cast iron foot rest at very foot of depth and making requisite number of main and branch channels but excluding the cost of excavation, back filling and disposal of excavated stuff, manhole cover and frame.	-	Each	6481.67	-
83.	15/82	Providing manholes type 'B' size 3 feet x 2-1/2 feet or 914 mm x 762 mm (inside dimensions) x 4 feet (1219 mm deep as per approved design and specifications complete for 4 inches to 12 inches (100 mm to 305 mm) dia pipe 4 feet to 7 feet -5 inches (1.22 m to 2.26 m) depth with 18 inches (457 mm) dia. (inside) cast iron cover and frame (weight 1 Cwt. 3 Qrs.) or 88.9 kg. fixed in R.C.C. 1:2:4 slab 6 inches (152 mm) thick,9 inches (229 mm) thick burnt brick masonry walls set in 1:4; C.M., 6 inches (152 mm) thick 1:3:6 C.C in foundation, 1:2:4 C.C. in benching and ½ inch (13 mm) thick cement plaster in 1:3 C.M to all inside wall surfaces, channels and benching etc, and to top including providing and fixing cast iron foot rest at every foot of depth and making requisite number of main and branch channels but excluding the cost of excavation, back filling, disposal of excavated stuff, manhole cover and frame.	-	Each	19407.41	-
84.	80/05	Providing manholes type 'C' size 2-1/2 feet or 914 mm x 762x7-1/2 feet(2.28m) deep as per approved design and specifications complete for 4 inches to 12 inches (100 mm to 305 mm) dia pipe 4 feet to 7 feet -5 inches (1.22 m to 2.26 m) depth with 18 inches (457 mm) dia. (inside) cast iron cover and frame (weight 1 Cwt. 3 Qrs.) or 88.9 kg. fixed in R.C.C. 1:2:4 slab 6 inches (152 mm) thick,9 inches (229 mm) thick burnt brick masonry walls set in 1:4; C.M., 6 inches (152 mm) thick 1:3:6 C.C in foundation, 1:2:4 C.C. in benching and ½ inch (13 mm) thick cement plaster in 1:3 C.M to all inside wall surfaces, channels and benching etc, and to top including providing and fixing cast iron foot rest at every foot of depth and making requisite	-	Each	23,916.37	-

		number of main and branch channels but excluding the cost of excavation, back filling, disposal of excavated stuff, manhole cover and frame.				
85.	26/84	Providing & fixing C.I. Cover & Frame 18" dia (460 mm) weight 1 cwt 3 Qtr (88.90 kg)	-	Each	8769.90	-
86.	27/84	Providing & fixing C.I. Cover & Frame 24" dia (610 mm) weight 2 cwt 2 Qtr (127.00 kg)	-	Each	12544.62	-
87.	29/84	Providing & laying R.C.C. 1:2:4 slab cover 3" thick average (precast complete with M.S flat iron, M.S bars embedded in concrete) of any shape including the cost of reinforcement and welding etc. As per direction of Engineer Incharge.	-	Cft	664.84	-
88.	6/85	Providing and wrapping tightly round pipes upto 6 inches (150 mm) dia Hessian soaked in bitumen paint of approved quality.	-	Rft	22.33	-
89.	11/86	Cutting holes in walls 9 inches and 8 inches (229 mm and 203 mm) thick and making them good in cement concrete 1:2:4.	-	Each	291.03	-
90.	12/86	Cutting holes in walls 6 inches and 4 inches (150 mm and 100 mm) thick and making them good in cement concrete 1:2:4.	-	Each	242.08	-

Total Rs.19,83,367.68

Total **Rs.**_____

Above/ below **Rs.**_____

Total cost of **Rs.**_____