**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**



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**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.S K.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, ¾ 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 ½ inch (15mm) dia plastic connection complete with a ½ 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 colour of the building and cartage within 10 miles (16.09 km) (for Spun pipe) | - | Each | 631.14 | - |
| 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/cm2 ): 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/ cm2) 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. Do1/2 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) and lead up to one chain (30.48 m). | - | 100  % Cft | 599.70 | - |
| 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 number of main and branch channels but excluding the cost of excavation, back filling, disposal of excavated stuff, manhole cover and frame. | - | Each | 23,916.37 | - |
| 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 (precost 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.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_