

DNIT / BOQ

NAME OF SCHEME :-

PROVISION OF TUFF TILE, SEWERAGE AND REHABILITATION OF WATER SUPPLY SCHEMES IN MUNICIPAL COMMITTEE YAZMAN, DISTRICT BAHAWALPUR.

Approx: Cost

Rs 70.790 million

Earnest Money

Rs 3.540 million

Time Limit

Upto 30-06-2023

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|--------|--|---------------------------|----------------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| | R.C.C. Sewer (Khud Wala Road) | | | | | |
| 1 | Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i) 0' to 7' depth ii) 7' to 15' depth | 102,580 Cft 27,599 Cft | 1000 Cft 1000 Cft | | | |
| 2 | Supplying and filling sand under bed of sewer etc. complete. | 10,674.00 Cft | 100 Cft | | | |
| 3 | Providing and laying crushed stone 3/8" to 1" size laid under bed of sewer. (N.S) | 1,315.00 Cft | P.Cft | | | |
| 4 | Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc.including cost of reinforcement, conforming to B.S. 5911:Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. (9" dia) | 644 Rft | P.Rft | | | |
| 5 | Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete i) (12" i/d) ii) (15" i/d) | 3,918 Rft 420 Rft | P.Rft P.Rft | | | |
| 6 | Dismantling brick or flagged flooring without concrete foundation & Restoration of brick pavement on edge, over laid service line, with 2" (50 mm) sand cushion under soling. | 500 Sft | 100 Sft | | | |
| 7 | Dismantling and removing road metalling. i/c screening stacking etc. | 125.00 Cft | 100 Cft | | | |
| 8 | Restoration of road metalling with two coats of surfacing with 10" depth of base and sub base complete. | 150.00 Sft | 100 Sft | | | |
| 9 | Rehandling of earthwork:- (a) Lead upto a single throw of Kassi, phaorah or shovel | 104,143.00 Cft | 1000 Cft | | | |
| | CIRCULAR MAN HOLE CHAMBERS (90 Nos) (Khud Wala Road) | | | | | |

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|--|---|---------------|--------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| 10 | Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i). 0' to 7' depth | 11,814.00 Cft | 1000 Cft | | | |
| | ii) 7' to 15' depth | 4,070.00 Cft | 1000 Cft | | | |
| 11 | Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects. | 1,872.00 Cft | 100 Cft | | | |
| 12 | Pacca brick work in c/s mortar (1:3) other than building i/c. Extra for pacca brick work in steining of wells or any other circular masonry. Complete. i) upto 10' height | 7,678.00 Cft | 100 Cft | | | |
| | ii) 10' to 20' height | 522.00 Cft | 100 Cft | | | |
| 13 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): ratio (1:2:4) | 1,478.00 Cft | 100 Cft | | | |
| 14 | Cement plaster 1:3 upto 20' (6.00 m) height:- ½" (13 mm) thick | 11,770.00 Sft | 100 Sft | | | |
| 15 | Extra for making and finishing benching floor work in manhole chamber with 1/8" thick cement finish. | 1,296.00 Sft | 100 Sft | | | |
| 16 | Providing and fixing 1¼"x1¼"x3/16" (31x31x5 mm) angle iron step, in manhole chambers, including carriage and setting the same in work to correct lines and levels. | 526 Nos | Each | | | |
| 17 | Providing and fixing of reinforced plastic composite (RPC) manhole cover with RPC frame having 790 mm o/d and 650 mm i/d with 580 mm clear opening and RPC cover 600 mm o/d, both weighing 40 Kg. (ISO: 9001-2015 Certified), capable for bearing of load of vehicles up to 50 Ton. The rate also includes sales tax, labour / carriage to site charges, contractor's profit, Circular R.C.C beam (ratio 1:2:4), 9" wide and 6" deep for fixing of manhole frame on top of manhole including fabrication of mild steel @ 6.75 Lbs. / Cft. for R.C.C complete to entire satisfaction of the Engineer Incharge. | 90 Nos | Each | | | |
| Screening Chamber 12' X 4' (Khud Wala Road) | | | | | | |
| 18 | Excavation of well in dry upto 20' (6 metre) below ground level, and disposal of soil within one chain (30 metre) in ordinary soil or sand. i) from 0' to 5' (0 to 1.5 m) depth | 1,200.00 Cft | 1000 Cft | | | |
| | ii) from 5.1' to 10' (1.5 to 3.0 metre) depth | 1,200.00 Cft | 1000 Cft | | | |
| | iii) from 10.1' to 15' (3.0 to 4.5 metre) depth | 504.00 Cft | 1000 Cft | | | |
| 19 | Pacca brick work in c/s mortar (1:4) other than building . i) upto 10' height | 640.00 Cft | 100 Cft | | | |
| | ii) upto 20' height | 191.00 Cft | 100 Cft | | | |

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|--------|--|------------|--------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| 20 | Providing and laying reinforced cement concrete The rate includes rendering floor prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (nominal mix 1: 2: 4) | 146.00 Cft | P.Cft | | | |
| 21 | Providing and laying reinforced cement concrete The rate includes rendering floor prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix (1: 2: 4) | 34.00 Cft | P.Cft | | | |
| 22 | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastening, including cost of binding wire and labour charges for binding of steel reinforcement, (also includes removal of rust from bars) (b) Deformed bars (Grade-40) | 457.00 Kg | 100 Kg | | | |
| 23 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (Ratio 1: 2: 4) | 11.00 Cft | 100 Cft | | | |
| 24 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (Ratio 1: 1½: 3) | 24.00 Cft | 100 Cft | | | |
| 25 | 1/2" thick cement plaster (1:2) upto 20' height. | 431.00 Sft | 100 Sft | | | |
| 26 | Cement pointing struck joints, on walls, upto 20' (6.00 m) hieght. & Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks (ratio 1:2) | 124.00 Sft | 100 Sft | | | |
| 27 | Providing and laying damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge. Ratio 1:3 ¾ " thick (20 mm) | 538.00 Sft | 100 Sft | | | |
| 28 | Cement concrete brick or stone ballast 1/1/2" to 2" gauge in foundation and plinth. (1:6:12) | 159.00 Cft | 100 Cft | | | |

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|--------|---|--|----------------------------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| 29 | Brick on edge flooring, laid in (1:6) c/s mortar over a bed of 3/4" thick cement mortar 1:6 complete. | 160.00 Sft | 100 Sft | | | |
| 30 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, re-venting, handling, assembling and fixing, but excluding erection in position. Erection and fitting in position iron trusses, staging of water tanks, etc. (screens) | 654.00 Kg | 100 Kg | | | |
| 31 | Providing and fixing of reinforced plastic composite (RPC) manhole cover with RPC frame having 790 mm o/d and 650 mm i/d with 580 mm clear opening and RPC cover 600 mm o/d, both weighing 40 Kg. (ISO: 9001-2015 Certified), capable for bearing of load of vehicles up to 50 Ton. The rate also includes sales tax, labour / carriage to site charges, contractor's profit, Circular R.C.C beam (ratio 1:2:4), 9" wide and 6" deep for fixing of manhole frame on top of manhole including fabrication of mild steel @ 6.75 Lbs. / Cft. for R.C.C complete to entire satisfaction of the Engineer Incharge. | 1 No | Each | | | |
| 32 | Providing and fixing 1 1/4"x1 1/4"x3/16" (31x31x5 mm) angle iron step, in manhole chambers, including carriage and setting the same in work to correct lines and levels | 30 No | Each | | | |
| 33 | Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i). 0' to 7' depth ii) 7' to 15' depth | 350.00 Cft 238.00 Cft | 1000 Cft 1000 Cft | | | |
| 34 | Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1 1/2:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete. (15" i/d) | 16.00 Rft | P.Rft | | | |
| 35 | Rehandling of earthwork:- (a) Lead upto a single throw of Kassi, phaorah or shovel | 470.00 Cft | 1000 Cft | | | |
| 36 | S/Fixing C.I. Pen stock 2.5" x 2.5' size with copper line complete in all respects. | 1 No | Each | | | |
| | Collecting Tank 15' dia (Khud Wala Road) | | | | | |
| 37 | Excavation of well in dry upto 20' (6 metre) below ground level, and disposal of soil within one chain (30 metre) in ordinary soil or sand. i) from 0' to 5' (0 to 1.5 m) depth ii) from 5.1' to 10' (1.5 to 3.0 metre) depth iii) from 10.1' to 15' (3.0 to 4.5 metre) depth | 2,263.00 Cft 2,263.00 Cft 363.00 Cft | 1000 Cft 1000 Cft 1000 Cft | | | |
| 38 | Providing and fixing structural steel for cutting edge. 3" x 3" x 3/8" | 134.00 Kg | 100 Kg | | | |

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|--------|--|--------------------------|--------------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| 39 | Providing, making and laying R.C.C. well curb in position, using coarse sand, including all kinds of form, moulds, curing, shuttering, rendering and finishing the exposed surface, (including screening and washing of aggregate :- ratio 1:2:4 | 177.00 Cft | P.Cft | | | |
| 40 | PPacca brick work other than building upto 10ft. (3 m). height. Extra for pacca brick work in steining of wells or any other circular masonry. (Ratio 1:3) i) Upto 10' height. ii) 10' to 20' height. | 798.00 Cft 705.00 Cft | 100 Cft 100 Cft | | | |
| 41 | Providing and laying reinforced cement concrete The rate includes rendering floor prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (nominal mix 1: 2: 4) | 374.00 Cft | P.Cft | | | |
| 42 | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastening, including cost of binding wire and labour charges for binding of steel reinforcement, (also includes removal of rust from bars) (b) Deformed bars (Grade-40) | 1,447.00 Kg | 100 Kg | | | |
| 43 | Dry sinking of well in cluding loading and removing excavated material with in one chain. in ordinary soil :- i) from 10' to 15' (3.0 to 4.5 m) depth | 582.00 Cft | 1000 Cft | | | |
| 44 | Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washing of stone aggregate): (Ratio 1: 1½: 3) (for plug) | 987.00 Cft | 100 Cft | | | |
| 45 | Wet sinking of well in ordinary soil (value of C upto 5), for depths below spring level, including charges of machinery,shoring, kentledge and removal of excavated spoil within one chain (30 m):- i) 0' to 10' depth | 1,321.00 Cft | 1000 Cft | | | |
| 46 | Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washing of stone aggregate): (Ratio 1: 1½: 3) | 88.00 Cft | 100 Cft | | | |
| 47 | Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washing of stone aggregate): (Ratio 1: 2: 4) | 14.00 Cft | 100 Cft | | | |
| 48 | Providing and laying damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge. Ratio 1:3 ¾ " thick (20 mm) | 992.00 Sft | 100 Sft | | | |
| 49 | 1/2" thick cement plaster (1:2) i) upto 20' height. | 868.00 Sft | 100 Sft | | | |

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|--------|--|--|----------------------------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| 50 | Cement pointing struck joints, on walls, upto 20' (6.00 m) hieght. & Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks (ratio 1:2) | 134.00 Sft | 100 Sft | | | |
| 51 | Cement concrete brick or stone ballast 1/1/2" to 2" gauge in foundation and plinth. (1:6:12) | 61.00 Cft | 100 Cft | | | |
| 52 | Brick on edge flooring, laid in (1:6) c/s mortar over a bed of 3/4" thick cement mortar 1:6 complete. | 191.00 Sft | 100 Sft | | | |
| 53 | Providing and fixing 1¼"x1¼"x3/16" (31x31x5 mm) angle iron step, in manhole chambers, including carriage and setting the same in work to correct lines and levels | 36 No | Each | | | |
| | Pump House 12' dia (Khud Wala Road) | | | | | |
| 54 | Excavation of well in dry upto 20' (6 metre) below ground level, and disposal of soil within one chain (30 metre) in ordinary soil or sand. i) from 0' to 5' (o to 1.5 m) depth ii) from 5.1' to 10' (1.5 to 3.0 metre) depth iii) from 10.1' to 15' (3.0 to 4.5 metre) depth | 1,418.00 Cft 1,418.00 Cft 758.00 Cft | 1000 Cft 1000 Cft 1000 Cft | | | |
| 55 | Pacca brick work other than building upto 10ft. (3 m). height. Extra for pacca brick work in steining of wells or any other circular masonry. (Ratio 1:3) i) Upto 10' height. ii) 10' to 20' height. iii) 20' to 30' height. | 660.00 Cft 437.00 Cft 4.00 Cft | 100 Cft 100 Cft 100 Cft | | | |
| 56 | Providing and laying reinforced cement concrete The rate includes rendering floor prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (nominal mix 1: 2: 4) | 244.00 Cft | P.Cft | | | |
| 57 | Providing and laying reinforced cement concrete The rate includes rendering floor prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4) | 199.00 Cft | P.Cft | | | |

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|--------|--|-------------|--------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| 58 | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastening, including cost of binding wire and labour charges for binding of steel reinforcement, (also includes removal of rust from bars) (b) Deformed bars (Grade-40) | 1,199.00 Kg | 100 Kg | | | |
| 59 | Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating : (b) with 2 coats of bitumen: 1½" thick (40 mm) | 46.00 Sft | 100 Sft | | | |
| 60 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (Ratio 1: 1½: 3) | 57.00 Cft | 100 Cft | | | |
| 61 | Providing and laying damp proof course with cement sand plaster and bitumen coating:- (a) with one coat of bitumen and one coat of polythene sheet 500 gauge. Ratio 1:3 ¾" thick (20 mm) | 558.00 Sft | 100 Sft | | | |
| 62 | Cement plaster 1:2 upto 20' (6.00 m) height. | 848.00 Sft | 100 Sft | | | |
| 63 | Cement plaster 1:2 upto 20' (6.00 m) height. & Extra for lime, mud or cement plaster and pointing from 20' (6.00 m) and above for each additional 10' (3.00 m) height or part thereof. (ratio1:2) | 41.00 Sft | 100 Sft | | | |
| 64 | Cement pointing struck joints, on walls, upto 20' (6.00 m) height. & Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks (ratio 1:2) | 291.00 Sft | 100 Sft | | | |
| 65 | Two coats of bitumen laid hot using 34 lbs. per 1.72 Kg per square metre over roof and blinded with sand at one Cft. per %Sft. (0.003 cu.m per sq.m) | 234.00 Sft | 100 Sft | | | |
| 66 | Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement. | 35.00 Sft | P.Sft | | | |
| 67 | Providing and fixing steel windows with openable glazed panels, using beam section for frame 1½"x1"x5/8"x1/8" (40x25x16x3 mm), Z-section for leaves ¾"x1"x¾"x1/8" (20x25x20x3 mm), T-section sashes 1"x1"x1/8" (25x25x3 mm), glass panes, wooden screed for glazing embedded over a thin layer of putty duly screwed with leaves, brass fittings, holdfast, duly painted, complete in all respects, including all cost of material and labour, etc. as per approved design and as directed by the Engineer-in-charge:- fixed with wire gauze, 22 SWG (glass pane 5 mm thick) | 32.00 Sft | P.Sft | | | |
| 68 | Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects. | 32.00 Sft | P.Sft | | | |
| 69 | Painting new surface:- Preparing surface and painting of doors and windows any type (including edges):- | 70.00 Sft | 100 Sft | | | |

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| | | | | In Figures (Rs.) | In words | |
| 70 | Providing and fixing stair railing of 2½" (63 mm) i/d G.I. pipe, welded with 5/8"x5/8" (16x16 mm) square M.S. bars 2'-9" (838 mm) high, fixed in each step, complete in all respects, including painting, polishing three coats. | 32.00 Rft | P.Rft | | | |
| 71 | White washing:- new surface:- three coats | 838.00 Sft | 100 Sft | | | |
| 72 | Cement concrete brick or stone ballast 1/1/2" to 2" gauge in foundation and plinth. (1:6:12) | 664.00 Cft | 100 Cft | | | |
| 73 | Brick on edge flooring, laid in (1:6) c/s mortar over a bed of 3/4" thick cement mortar 1:6 complete. | 163.00 Sft | 100 Sft | | | |
| | Out Fall Chamber (Size 6' X 6') (Khud Wala Road) | | | | | |
| 74 | Excavation of well in dry upto 20' (6 metre) below ground level, and disposal of soil within one chain (30 metre) in ordinary soil or sand. i) from 0' to 5' (o to 1.5 m) depth | 318.00 Cft | 1000 Cft | | | |
| 75 | Cement concrete brick or stone ballast 1/1/2" to 2" gauge in foundation and plinth. (1:6:12) | 86.67 Cft | 100 Cft | | | |
| 76 | Pacca brick work other than building in cement sand mortar. up to 10' height. Ratio 1:3 | 271.00 Cft | 100 Cft | | | |
| 77 | Providing and laying reinforced cement concrete The rate includes rendering floor prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix (1: 2: 4) | 3.00 Cft | P.Cft | | | |
| 78 | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastening, including cost of binding wire and labour charges for binding of steel reinforcement, (also includes removal of rust from bars) (b) Deformed bars (Grade-40) | 9.00 Kg | 100 Kg | | | |
| 79 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (Ratio 1: 2 : 4) | 22.00 Cft | 100 Cft | | | |
| 80 | 1/2" thick cement plaster (1:2) i) upto 20' height. | 275.00 Sft | 100 Sft | | | |
| 81 | Providing and fixing 1¼"x1¼"x3/16" (31x31x5 mm) angle iron step, in manhole chambers, including carriage and setting the same in work to correct lines and levels | 4 No | Each | | | |
| | Boundary Wall With Gate. (Khud Wala Road) | | | | | |

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|--------|--|--------------|--------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| 82 | Excavation in foundation of building, bridges & other structures, including dagbelling, dressing, refilling around structures with excavated earth, watering and ramming lead upto one chain 100 ft. and lift upto 5 ft. in ordinary soil. | 241.00 Sft | 1,000 Sft | | | |
| 83 | Cement concrete brick or stone ballast 1/1/2" to 2" gauge in foundation and plinth. (1:6:12) | 241.00 Cft | 100 Cft | | | |
| 84 | Pacca brick work in foundation and plinth in: Cement, sand mortar:- Ratio 1:4 | 1,371.00 Cft | 100 Cft | | | |
| 85 | Pacca brick work other than building in cement sand mortar. up to 10' height. Ratio 1:5 | 803.00 Cft | 100 Cft | | | |
| 86 | Providing and laying damp proof course of cement concrete 1:2: 4 (using cement, sand and shingle), including bitumen coating : (b) with 2 coats of bitumen: 1½" thick (40 mm) | 189.00 Sft | 100 Sft | | | |
| 87 | 1/2" thick cement plaster (1:4) i) upto 20' height. | 2,215.00 Sft | 100 Sft | | | |
| 88 | Cement pointing struck joints, on walls, upto 20' (6.00 m) hieght. & Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks (ratio 1:2) | 1,115.00 Sft | 100 Sft | | | |
| 89 | Cement concrete plain including placing,compacting, finishing and curing complete (including screening and washing of stone aggregate): (Ratio 1: 2 : 4) | 31.00 Cft | 100 Cft | | | |
| 90 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders,tanks, etc., including cutting, drilling, revitting, handling, assembling and fixing, but excluding erection in position. Erection and fitting in position iron trusses, staging of water tanks, etc. (screens) | 60.00 Kg | 100 Kg | | | |
| 91 | Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards,braces, etc.) and in similar open work:- | 120.00 Sft | 100 Sft | | | |
| | Pumping Machinery (Khud Wala Road) | | | | | |
| 92 | Providing Installing and Testing of 2 cusec discharge against a total head of 40 ft couple with E. Motor 20 BHP A.C Including carriage to site of work i/c all incidental charges horizontal non clogging Pump 960 Rpm (Approved manufacturer by PHED) Complete with flexible coupling with following accessories. (a to q) | | | | | |
| | Accessories | | | | | |
| | Supplying of tool kit comprising of one china spanner set , one china screw wrench of 12" size, one china insulated pliers 8" size and one china screw driver set. | | | | | |
| a) | 1 No | | | | | |
| b) | S/Installing Motor Control Panel suitable for motor with following parts. | | | | | |
| | 1- Magnetic contactor (Fuji) | 3 No | | | | |
| | 2-Over load Relay (Fuji) | 1 No | | | | |
| | 3- Phase failure Relay (JAPAN) | 1 No | | | | |
| | 4- Main Breaker (Fuji) | 1 No | | | | |
| | 5- Control Breaker (Tera Saki) | | | | | |

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|--------|---|------|--------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| | 6- Amp., Volt meters, & Indicator (SEW) lamp Set. 1 No | | | | | |
| | 7- Selector Switch (AMRON) Italy. 2 No | | | | | |
| | 8- Time Relay (Fuji) 1 No | | | | | |
| c) | Earthing of motor and other equipment with Copper wire of 10 SWG in GI pipe 1/2" dia recessed or on surface of wall and floor complete. 1 Job | | | | | |
| d) | S/F Non return valve of suitable dia on delivery end. 1 No | | | | | |
| e) | S/F M.S/C.I pipe suitable dia including CI flanged specials of BSS quality required for suction and delivery complete with painting etc. 1 Job | | | | | |
| f) | P/Fixing Sluice valve of suitable dia, on suction and delivery ends. 2 No | | | | | |
| g) | PCC (1:2:4) foundation of pump and motor as per manufacture's specification with stain less steel nuts and bolts. 1 Job | | | | | |
| h) | Supplying of Test report from WAPDA approved contractor. 1 Job | | | | | |
| i) | S/F copper conductor cable for serving connection 19/0.052" PVC insulated, sheathed, 660/1100 volts 4 core cables non armored with GI wire for supporting service pipe with stay from energy meter erected by WAPDA pole to main switch installed inside the pump house. P.No | | | | | |
| j) | P/F danger plate and precaution chart dully framed in wood and glass. P.No | | | | | |
| k) | S/E of iron/ aluminum clad 500 Volts main switch 500 Amps. With triple pole and neutral links and HRC fuses on angle iron board with 3 mm thick M.S. sheet covering including bonding to earth with necessary flexible pipe and thimbles complete. P.No | | | | | |
| l) | Earthing with G.I. Wire 8 SWG in G.I. Pipe 15 mm dia. Recessed or on surface of wall and floor complete with 1.5 M G.I. Pipe 50 mm dia with reducing socket 4-5 M below G. Level and 2 M away from Building plinth. P.job | | | | | |
| m) | laying, cutting, jointing, testing, cast iron / M.S pipe line 6" dia with flanges and flanged joints complete in all respects including excavation of trenches, back filling and two coats of bitumen with wrapping of polythene sheet in trenches, and painting on open portion. 1 Job | | | | | |
| n) | S/F CI Sluice valves of 6" i/d as per BSS on delivery end complete in all respect. 1 No | | | | | |
| o) | P/F 6" i/d CI non return valve BSS quality and weight class "b" for cast iron pipe line including cast of jointing material. 1 No | | | | | |
| p) | P/Fixing Cast iron specials of BSS class 'B' such as bend, Tee, reducer, tail piece, etc. 6" dia as per site requirement. 1 Job | | | | | |
| q) | P/L chain pully block 5 tons capacity with 5 meter chain complete in all respect. 1 Job | | | | | |

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|--------|---|------------|--------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| | 2 cusec discharge with 20 BHP Motor 40 ft Head Complete Set including all above items. | 1 Set | P.Set | | | |
| | Sullage Carrier (Khud Wala Road) | | | | | |
| 93 | E/w excavation in open cutting up to 5' (1:5m) depth for storm water channels drains sullage drain in open area roads streets lanes i/c under pinning of walls and shoring to protect existing works shuttering and timbring of trenches dressed to designed level and dimensions trimming removal of surface water from trenches back filling and surplus excavated material disposed of and dressed with in 50' lead ordinary soil. | 263.00 Cft | 1000 Cft | | | |
| 94 | Cement concrete brick or stone ballast 1/1/2" to 2" gauge 'in foundation and plinth. (1:6:12) | 263.00 Cft | 100 Cft | | | |
| 95 | Pacca brick work other than building upto 10 ft. (3 m) height. Ratio 1:5 | 375.00 Cft | 100 Cft | | | |
| 96 | 1/2" thick cement plaster (1:4) upto 20' height. | 875.00 Cft | 100 Sft | | | |
| 97 | Rehandling of earthwork a) Lead upto a single throw of Kassi, phaorah or shovel Dressing and levelling of earthwork to designed section, etc. complete:- Ordinary or hard soil. Compaction of earthwork (soft, ordinary or hard soil) :-Ramming earthwork (all types of soil). | 750.00 Cft | 1000 Cft | | | |
| 98 | Cement concrete plain including placing compacting finishing and curing in bed ratio 1:2:4 complete. | 58.00 Cft | 100 Cft | | | |
| | BRICK PAVEMENT (Khud Wala Road) | | | | | |
| 99 | Filling, watering, ramming earth excavated from out side lead upto 0.75 miles. | 1,823 Cft | 1000 Cft | | | |
| 100 | Providing and laying dry brick pavement/soling in streets or roads etc. sand grouted laid in proper camber i/c preparation, watering, compaction of bed to proper camber and sand cushion. | 1,365 Cft | 100 Cft | | | |
| | Forcemain (Khud Wala Road) | | | | | |
| 101 | Excavation of trenches for water supply pipe line in all kinds of soil except cutting rock for water supply pipe lines upto 5 ft depth from ground level including trimming dressing the sides, leveling the beds of trenches to correct grade and cutting pits for joints etc. complete in all respect. | 14,000 Cft | 1000 Cft | | | |
| 102 | Providing, laying, cutting, jointing, testing and disinfecting High Density Polythylene Pipe (HDPE-100) working pressure pipe in trenches complete in all respects:- PN-8 (SDR-21) 8" i/dia (200 mm) | 800 Rft | P.Rft | | | |
| 103 | Providing, and fixing HDPE special PN-10 of BSS Class B such as tee Bend Cross Coller Reducer and tail piece etc. i) Elbo 45 (200 x 200 mm) | 4 Nos | Each | | | |
| 104 | Providing and installing M.S. blind pipe socketed / welded joint, M.S. reducer (where necessary), in tubewell bore hole, including jointing/welding with strainer, etc.complete:- i) 8" i/d, 3/16" (200 mm i/d 5 mm) thick | 8 Rft | P.Rft | | | |
| 105 | Rehandling of earthwork:- (a) Lead upto a single throw of Kassi, phaorah or shovel | 11,200 Cft | 1000 Cft | | | |

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|--------|--|------------|--------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| | Repair of Pimp House 12' X 12' (Water Supply M.C Yazman) | | | | | |
| 106 | Excavation in foundation of building, bridges & other structures, including dagbelling, dressing, refilling around structures with excavated earth, watering and ramming lead upto one chain 100 ft. and lift upto 5 ft. in ordinary soil. | 252 Cft | 1000 Cft | | | |
| 107 | Cement concrete brick or stone ballast 1.5" to 2" gauge in foundation and plinth ratio Foundation and plinth ratio 1:6:12 foundation. | 207 Cft | 100 Cft | | | |
| 108 | Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (1:4:8) | 138 Cft | 100 Cft | | | |
| 109 | Pacca brick work in cement sand mortor(1:5) plinth and Foundation. | 630 Cft | 100 Cft | | | |
| 110 | Filling, watering, and ramming earth under floors with surpulas earth from foundation etc. | 1,449 Cft | 1,000 Cft | | | |
| 111 | 1/2" thick cement plaster (1:4) upto 20' height. | 588.00 Cft | 100 Sft | | | |
| 112 | Providing and laying topping of cement concrete (1 : 2 : 4) including surface finishing and dividing in panels (2 inch thick) | 720 Sft | 100 Sft | | | |
| 113 | Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: | 3,645 Sft | 100 Sft | | | |
| 114 | Distempiring 3 coats on wall. new suface. | 4,608 Sft | 100 Sft | | | |
| 115 | Preparing surface and painting of doors and windows any type (including edges):- 3 coats | 600 Sft | 100 Sft | | | |
| 116 | Khassi parnalas in cement sand mortar outside 12 inch width finished smooth with a floating coat of neat cement. | 14 Rft | P.Rft | | | |
| 117 | Bottom khurras of brick masonry in cement sand mortar '(1:6) 4ft x2ft x41/2inch over 3 inch cement concrete '1:4:8 | 1 No | Each | | | |
| 118 | Provision for electric fitting / celing Fan (Royal ,Pak ,Younas) 56" etc complete in all respect. | 5 No | Each | | | |
| 119 | Providing and layingTuff pavers,having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope. complete in all respect.(50% Grey / 50% Coloured) b) 60-mm thick | 814 Sft | P.Sft | | | |
| | Pumping Machinery (For Tube Well) (Water Supply M.C Yazman) (5 Sets .) | | | | | |
| 120 | Supply, installation and testing of vertical turbine pumping unit (approved manufacturer PHED) capable to give a discharge of 0.33 cusec of clear water against a total dynamic head of 200 feet with 70 feet column pipe directly coupled with vertical 15 BHP electric motor etc complete i/c all accessories as per detail below. | | | | | |
| | Accessories | | | | | |

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|--------|---|------|--------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| | <p>i) Supplying of tool kit comprising of one china spanner set , one china screw wrench of 12" size, one china insulated pliers 8" size and one china screw driver set, one grease gun, one lubricating. 1 Set</p> <p>ii) S/F metallic board 4' x 3' made of 1/16" thick MS sheet with 1-1/2x1-1/2x3/16" angle iron frame house and duly painted in smoke colour. 1 No</p> <p>iii) S/F iron clad 3-phase main switch China/Feco 0-500 volts. 1 No</p> <p>iv) S/F power wiring of 7/0.064" PVC sheathed insulated wire from energy meter to main switch to starter inflexible PVC pipe in suitable diameter with brass end connectors. 1 Job</p> <p>v) P/F in position M.C.U (star delta-15 BHP) consist of magnetic contactor circuit breaker, on /off switch indication lamps, EOCR, volt meter , Ampere meter , Auto manual, selector switch , Ampere select switch, volt selector switch, C.T and Timer (above 5hp. 1 Job</p> <p>vi) S/F power feeder from starter to motor and motor to meter with 7/0.064 3 core cable enclosed in suitable diameter GI medium quality with flexible PVC pipe motor and starter ends alongwith brass end connectors i/c cost of power wire single core 7/0.064" . 1 Job</p> <p>vii) Earthing of motor and other equipment with GI wire in GI pipe 1/4" dia recessed or on surface of wall and floor with 15 meter long upto spring level and meter away from the plinth of pump house complete in all respect. 1 Job</p> <p>viii) S/F CI flanged special of BSS quality required delivery ends jointing with rising main complete in all respect. 1 Job</p> <p>ix) S/F base plate of 2' x 2' x 1/4" of suitable size properly grouted in foundation i/c nuts and bolts complete in all respect. 1Job</p> <p>x) PCC (1:2:4) foundation of pump and motor as per manufacture's specification with stain less steel nuts and bolt complete in all respect. 1 Job</p> <p>xi) S/F suitable dia non return valve BSS on delivery ends. 1 No</p> <p>xii) S/F CI Sluice valves of suitable dia as per BSS on delivery end complete in all respect. 1 No</p> <p>xiii) P/F in position pressure guage 0 to 150 lbs. 1 No</p> <p>xiv) Internal electrification of pump house with 16 mm dia PVC pipe 250/440 volts PVC installede 3 / 0.029" wire 3 nos. round block of shallow wood one shallow wood board of 12" x 14" size one 9" long swan neck plain brass / steel oxidized (lamp holder. 1 Job</p> <p>xv) S/F delivery pipe suitable dia (G.I. pipe for pump i/c connection with rising main as per requirement complete in all respect. 1 Job</p> <p>xvi) Provision of test report for WAPDA department. 1 No</p> | | | | | |

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|--------|--|--------------------------------------|-------------------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| xvii) | Chain Puly Block 5 Ton capacity with 5 meter chain. 1 No Complete Set. | 5 Sets | P.Set | | | |
| | RISING MAIN & DISTRIBUTION SYSTEM (Water Supply M.C Yazman) | | | | | |
| 121 | Excavation of trenches for water supply pipe line in all kinds of soil except cutting rock for water supply pipe lines upto 5 ft depth from ground level including trimming dressing the sides, leveling the beds of trenches to correct grade and cutting pits for joints etc. complete in all respect. | 131,914 Cft | 1,000 Cft | | | |
| 122 | Providing, laying cutting jointing testing and disinfecting Pipe line of Class-B working pressure with jointing material etc. complete. i) 6" i/d PVC ii) 4" i/d PVC iii) 3" i/d PVC | 2,570 Rft 1,900 Rft 15,580 Rft | P.Rft P.Rft P.Rft | | | |
| 123 | Providing and fixing cast iron special of B.S.S. Class `B' (such as bend, tee cross collar, reducer, tail piece, flanged spigot, cap, flanged socket, taper, angle branch, plug etc.) for cast iron pipe line complete:-. b) C.I. flanged specials, with flanged and flanged joints:- 3" to 6" dia | 451 Kg | P.Kg | | | |
| 124 | Providing and fitting C.I. flanges on pipes, including turning, threading, facing and fitting, etc. complete in all respect. 3" to 6" dia | 295 Kg | P.Kg | | | |
| 125 | Providing and installing P.V.C. tees, of B.S.S. Class B working Pressure. i) 3" i/d (80 mm) ii) 4" i/d (100 mm) iii) 6" i/d (150 mm) | 60 Nos 20 Nos 4 Nos | Each Each Each | | | |
| 126 | Providing and installing P.V.C. bends, of B.S.S. i) 3" i/d (75 mm) ii) 4" i/d (100 mm) iii) 6" i/d (150 mm) | 10 Nos 5 Nos 2 Nos | Each Each Each | | | |
| 127 | Providing and installing P.V.C. bends, of B.S.S. i) 3" i/d (75 mm) ii) 4" i/d (100 mm) iii) 6" i/d (150 mm) | 2 Nos 12 Nos 28 Nos | Each Each Each | | | |
| 128 | Providing and fixing sluice valve of B.S.S. quality and weight, Class `B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material):- i) 3" i/d (75 mm) ii) 4" i/d (100 mm) iii) 6" i/d (150 mm) | 2 Nos 2 Nos 2 Nos | Each Each Each | | | |
| 129 | Providing and fixing air valve 2/1/2" dia of BSS quality and weight (complete with jointing material) | 6 Nos | Each | | | |
| 130 | Rehandling of earthwork:- (a) Lead upto a single throw of Kassi, phaorah or shovel | 105,531 Cft | 1,000 Cft | | | |

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|--------|---|------------|--------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| 131 | Dismantling brick or flagged flooring without concrete foundation. | 800 Sft | 100 Sft | | | |
| 132 | Restoration of brick pavement on edge, over laid service line, with 2" (50 mm) sand cushion under soling. | 800 Sft | 100 Sft | | | |
| 133 | Dismantling and removing road metalling. i/c screening stacking etc. | 166.00 Cft | 100 Cft | | | |
| 134 | Restoration of road metalling with two coats of surfacing with 10" depth of base and sub base complete. | 200.00 Sft | 100 Sft | | | |
| | SLUICE VALVE CHAMBER 3'X3' WITH STEEL COVER (M.C Yazman) (2 Nos.) | | | | | |
| 135 | Excavation in foundation of building, bridges & other structures, including dagbelling, dressing, refilling around structures with excavated earth, watering and ramming lead upto one chain 100 ft. and lift upto 5 ft. in ordinary soil. | 242.00 Cft | 1,000 Cft | | | |
| 136 | Cement concrete brick or stone ballast 1.5" to 2" gauge in foundation and plinth (1:6:12) | 30.250 Cft | 100 Cft | | | |
| 137 | Pacca brick work cement sand mortar (1:5) other than building | 101.25 Cft | 100 Cft | | | |
| 138 | Cement plaster 1 : 4 upto 20 ft. height(b) 1/2" thick. | 108.00 Cft | 100 Sft | | | |
| 139 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): ratio (1:2:4 | 4.50 Cft | 100 Cft | | | |
| 140 | Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, rebitting, handling, assembling and fixing, but excluding erection in position. Erection and fitting in position iron trusses, staging of water tanks, etc. | 70.00 Cft | 100 Kg | | | |
| | SLUICE VALVE CHAMBER 3'X3' WITH SLAB (M.C Yazman) (2 Nos.) | | | | | |
| 141 | Excavation in foundation of building, bridges & other structures, including dagbelling, dressing, refilling around structures with excavated earth, watering and ramming lead upto one chain 100 ft. and lift upto 5 ft. in ordinary soil. | 242.00 Cft | 1,000 Cft | | | |
| 142 | Cement concrete brick or stone ballast 1.5" to 2" gauge in foundation and plinth (1:6:12) | 19.96 Cft | 100 Cft | | | |
| 143 | Pacca brick work cement sand mortar (1:5) other than building. | 90.00 Cft | 100 Cft | | | |
| 144 | Cement plaster 1 : 4 upto 20 ft. height(b) 1/2" thick. | 96.00 Cft | 100 Sft | | | |
| 145 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): ratio (1:2:4 | 3.00 Cft | 100 Cft | | | |

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|--------|--|------------|--------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| 146 | Providing and laying reinforced cement concrete (including 1) The rate includes rendering floor prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (1:2:4) | 30.38 Cft | P.Cft | | | |
| 147 | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastening, including cost of binding wire and labour charges for binding of steel reinforcement, (also includes removal of rust from bars) (b) deformed bars (grade 40) | 82.02 Cft | 100 Kg | | | |
| | HOUSE WATER CONNECTION 3" I/D PIPE AVERAGE LENGTH 10 RFT (M.C Yazman) (250 Nos) | | | | | |
| 148 | Excavation of trenches in all kind of soil except cutting rock for water supply pipe line upto 5' depth | 25,500 Cft | 1,000 Cft | | | |
| 149 | Supplying and fixing of of PPR clamp saddle 90mm x1/2". | 250 Nos | Each | | | |
| 150 | Providing fixing farule valve 1/2" i/d | 250 Nos | Each | | | |
| 151 | P/Fixing Brass non return valve 1/2" i/d. | 250 Nos | Each | | | |
| 152 | Supply of PE pipe PN 12.50, 20mm i/c cost of contractor profit. | 4,250 Rft | Each | | | |
| 153 | S/F of PE bend 13 mm bend i/c cost of contractor profit. | 500 Nos | Each | | | |
| 154 | Supply & fixing of hook | 500 Nos | Each | | | |
| 155 | Supply & fixing of adopter 1/2" i/d male & female | 500 Nos | Each | | | |
| 156 | S/F of bib cock 1/2" i/d | 250 Nos | Each | | | |
| 157 | Rehandling of earthwork:- (a) Lead upto a single throw of Kassi, phaorah or shovel | 20,400 Cft | 1,000 Cft | | | |
| | BRICK PAVEMENT (Tuff Tile M.C Yazman) | | | | | |
| 158 | Filling, watering, ramming earth excavated from out side lead upto 2 miles. | 13,888 Cft | 1000 Cft | | | |
| 159 | Providing and laying dry brick pavement/soling in streets or roads etc. sand grouted laid in proper camber i/c preparation, watering, compaction of bed to proper camber and sand cushion. | 5,888 Cft | 100 Cft | | | |
| | TUFF TILE (Tuff Tile M.C Yazman) | | | | | |
| 160 | Dismantling brick or flagged flooring without concrete foundation. | 78,645 Sft | 100 Sft | | | |

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|--------|---|--------------|--------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| 161 | Filling, watering, ramming earth excavated from out side lead upto 2 miles. | 103,999 Cft | 1000 Cft | | | |
| 162 | Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and aggregate. | 101,664 Cft | 100 Cft | | | |
| 163 | Pacca brick work other than building upto 10 ft. (3 m) height. Ratio 1:4 | 2,063.67 Cft | 100 Cft | | | |
| 164 | Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require. slope.complete in all respect. (50% Grey / 50% Coloured) 60-mm thick. | 203,328 Sft | P.Sft | | | |
| 165 | Cement concrete plain including placing compacting finishing and curing in bed ratio 1:2:4 complete. | 697.50 Cft | 100 Cft | | | |
| 166 | Providing and fixing of reinforced plastic composite (RPC) manhole cover with RPC frame having 790 mm o/d and 650 mm i/d with 580 mm clear opening and RPC cover 600 mm o/d, both weighing 40 Kg. (ISO: 9001-2015 Certified), capable for bearing of load of vehicles up to 50 Ton. The rate also includes sales tax, labour / carriage to site charges, contractor's profit, Circular R.C.C beam (ratio 1:2:4), 9" wide and 6" deep for fixing of manhole frame on top of manhole including fabrication of mild steel @ 6.75 Lbs. / Cft. for R.C.C complete to entire satisfaction of the Engineer Incharge. | 73 Nos | P.No | | | |
| | GULLY GRATING CHAMBER 12"X12" (10 Nos) (Tuff Tile M.C Yazman) | | | | | |
| 167 | Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock:- i). 0' to 7' depth | 1,200.00 Cft | 1000 Cft | | | |
| 168 | Construction of standard Gully grating chamber 12"x12" with C.I Gully Trap, weighing 36.75 Kg. Frame hinged safety type, complete in all respects. | 10 No | Each | | | |
| 169 | Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc.including cost of reinforcement, conforming to B.S. 5911:Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete. (9" i/d) | 160 Rft | P.Rft | | | |
| 170 | Rehandling of earthwork:- (a) Lead upto a single throw of Kassi, phaorah or shovel | 960.00 Cft | 1000 Cft | | | |

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|--------|--|---|-------------------------------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |
| | Rasing of Existing Main Hole Chamber (Tuff Tile M.C Yazman) (134 Nos) | | | | | |
| 171 | Dismantling cement concrete 1:2:4 plain. | 407.36 Cft | 100 Cft | | | |
| 172 | Pacca brick work in c/s mortar (1:4) other than building . i/c. Extra for pacca brick work in steining of wells or any other circular masonry. Complete. | 611.04 Cft | 100 Cft | | | |
| 173 | Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): ratio (1:2:4) | 407.36 Cft | 100 Cft | | | |
| 174 | 1/2" thick cement plaster (1:4) upto 20' height. | 1,051.90 Sft | 100 Sft | | | |
| | Repair of Sullage Carrier (Tuff Tile M.C Yazman) | | | | | |
| 175 | Pacca brick work in foundation and plinth in:-Cement, sand mortar: Ratio 1:5 | 900.00 Cft | 100 Cft | | | |
| 176 | Cement concrete plain including placing compacting finishing and curing in bed ratio 1:2:4 complete. | 75.15 Cft | 100 Cft | | | |
| 177 | 1/2" thick cement plaster (1:4) upto 20' height. | 1,200.00 Cft | 100 Sft | | | |
| 178 | Filling, watering, ramming earth excavated from out side lead upto 2 miles. | 2,676.00 Cft | 1000 Cft | | | |
| | R.C.C Slab for Sullage Carrier (1 No) (Tuff Tile M.C Yazman) | | | | | |
| 179 | Providing and laying reinforced cement concrete The rate includes rendering floor prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.):- (a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix (1: 2: 4) | 31.50 Cft | P.Cft | | | |
| 180 | Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastening, including cost of binding wire and labour charges for binding of steel reinforcement, (also includes removal of rust from bars) (b) Deformed bars (Grade-40) | 96.39 Kg | 100 Kg | | | |
| 181 | Deduction of old materials: - i. Brick ballast / bats ii. Bricks iii. Man-Hole Covers iv. C.I Frame | 6,441 Cft 202,892.00 Nos 73.00 Nos 73.00 Nos | 100 Cft 1000 Nos Each Each | | | |

NOTE:-

- Any omission or error therein shall be referred for interpretation and decision to the competent authority, which will be final in this respect.
- The rates will also be quoted in words otherwise the bid will be considered as non responsive.

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|--------|-----------------------|------|--------------|------------------------------------|----------|--------------|
| | | | | In Figures (Rs.) | In words | |

- 3 The rates acceptable will be item rates only. No percentage will be acceptable.
- 4 In case the total tendered amount is less than 5% of the approved estimate (DNIT) amount, the lowest bidder will have to deposit additional performance security / quality guarantee equal to the tender amount below estimated cost within 15 days of issuance of notice for deposit of additional performance security / quality guarantee as per Finance Department Notification No. RO (Tech) FD-1-12/83 VI (P), dated 24-01-2006 read with No. RO (Tech) FD1-12/2010 dated 04-09-2012 which will be returned on successful completion of the work/contract. The tender will be cancelled with the forfeiture of earnest money without any further notice in case of failure to deposit additional performance security.

Total Tenderd Amount Below Corresponding Estimated

Cost
5%
6%
7%
8%
9%
10%
and so on

Additional Performance Security

5%
6%
7%
8%
9%
10%
and so on

Signature of contractor .
with address

Executive Engineer
Public Health Engg: Division
Bahawalpur

Superintending Engineer
Public Health Engineering Circle
Bahawalpur

DNIT / BOQ

NAME OF SCHEME :-

**OPERATION AND MAINTENANCE OF WATER FILTRATION PLANTS
INSTALLED BY PUNJAB SAAF PANI COMPANY (SOUTH) IN TEHSIL
HASILPUR DISTRICT BAHAWALPUR.**

Approx: Cost
Earnest Money
Time Limit

Rs. 9.058 Million
Rs. 0.453 Million
Upto 30-05-2022.

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|---|---|------------|--------------|------------------------------------|----------------|--------------|
| | | | | In Figures (Rs.) | In words (Rs.) | |
| A) Consumable Material Cost for R.O Plants: (Capacity 2000 Lt/H = 10 Nos.) B) Consumable Material Cost for R.O Plants: (Capacity 1000 Lt/H = 17 Nos.) | | | | | | |
| 1 | Chemical (Anti Scalant) England / France. | 294 Ltr | P.Ltr | | | |
| 2 | Supplying and Replacement of Cartridge Filters (PPF 20") 1000 Gram Weight Good Quality. | 43 Nos | Each | | | |
| 3 | Chemical (Hydrochloric Acid). | 27 Ltr | P.Ltr | | | |
| 4 | Sodium Hypochlorite Tablet (20 gm food grade NSC Certified). | 74 Tablets | P.Tab | | | |
| Equipments A) Consumable Material Cost for R.O Plants: (Capacity 2000 Lt/H = 10 Nos.) B) Consumable Material Cost for R.O Plants: (Capacity 1000 Lt/H = 17 Nos.) | | | | | | |
| 5 | Supplying of Tool Kits for Operation & Maintenance of Plants. | 24 Nos | Each | | | |

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|--------|--|---------|--------------|------------------------------------|----------------|--------------|
| | | | | In Figures (Rs.) | In words (Rs.) | |
| 6 | Providing and Replacement of Activated Carbon (Ccoc Nut Shell) China / Taiwan / Sri-Lanka Weight 25 Kg (NSF Certified) | 10 Bags | Each | | | |
| 7 | Providing of Silica Sand (40Kg Weight P/Bag). | 10 Bags | Each | | | |
| 8 | Providing and Replacement of R.O Membrane (China / USA Metrical 4 x 40) Film Tech / Hydronotic. | 148 Nos | Each | | | |
| 9 | Providing and Replacement of Multi Valve Digital Multi Port Valve (Digital 2 ½") China / Taiwan. | 4 Nos | Each | | | |
| 10 | Provision made for cleaning the injection well 27 Nos. (R.O & U.F Plants) i/c cost of all labour and carriage charges. Rate also including cost of hire charges of compressor complete in all respect. | 27 Nos | Each | | | |
| 11 | Providing and Replacement of dozing pump (Etrantown-Italy). | 3 Nos | Each | | | |
| 12 | Providing and Replacement of UV Lamp (Philips 33") Poland. | 4 Nos | Each | | | |

NOTE

- 1 Any ommision or error therein shall be referred for interpretation and decision to the competent authority, which will be final in this respect.
- 2 The rates will also be quoted in words otherwise the bid will be considered as non responsive.
- 3 The rates acceptable will be item rates only. No percentage rates will be acceptable.
- 4 The lowest bidder whose bid will be lesser than 5% of sanctioned estimated cost of the work shall have to deposit the difference between the costs as per rate quoted by the bidders as additional performance security, which will be returned on successful completion of the work /contract. Failure to deposit performance security within 15 days after receiving the tender will result in forfeiture of the earnest money without any further notice.
- 5 The contractor will be followed contract agreement clause and PPRA rules.
- 6 Chemicals and consumeable items will as & when required procured afresh.

| Sr. No | Description of items. | Qty. | Unit of Rate | Item Rate quoted by the contractor | | Amount (Rs.) |
|--------|---|------|--------------|------------------------------------|----------------|--------------|
| | | | | In Figures (Rs.) | In words (Rs.) | |
| 7 | Replceable item will be procured and fixed as per prescribed schedule. | | | | | |
| 8 | Contractor/ Manufacturer/ Supplier will keep the plants in good hygienic condition. | | | | | |
| 9 | Contractor will be responsible maintain the plants for the period of One year. However agreement can be terminated at any time with the policy of the Govt. | | | | | |
| 10 | Contractor will establish a complaint cell in Hasilpur with telephone Nos. | | | | | |
| 11 | Contractor will be responsible for supply of water to consumers for 6 hours a day. | | | | | |

Signature of contractor.
with address

Executive Engineer
Public Health Engg: Division
Bahawalpur

Superintending Engineer
Public Health Engineering Circle
Bahawalpur