

## BILL OF QUANTITIES

**NAME OF WORK:-** Water Supply Scheme Hazoor Bux Rind and its Adjoining Mohallas U.C.  
Amri Taluka Manjhand District Jamshoro.

**(A) Description and rate of item based on Composite schedule of Rates**

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
		<b>GROUP 'A' INSTALLING TUBE WELL.</b>			
01		Boring tube well in water bearing soil from G.I. upto 100'ft depth i/c sinking and with drawing of casing pipe.(PHSI.NO:1, P/36)			
	100.0 Rft	12" Dia	743/-	P/Rft	74,300/-
02		Boring for tube well in all water bearing soil from depth 100.1 to 200'ft or 30.51 to 61 meter below ground level i/c sinking and with drawing of casing pipes (P.H.S.I.NO:2, P/36)			
	100.0 Rft	12" dia	849/-	P/Rft	84,900/-
03		Boring for tube well all water bearing soil from depth 200.1 to to 300.ft or 60.01 to 91.50 meter below ground level i/c sinking and with drawing of casing pipe (P.H.S.I.NO:3,P/36)			
	100.0 Rft	12" dia	989/-	P/Rft	98,900/-
04		Boring for tube well in all water bearing soil from depth 300.1 to 400 ft or 91.50 ti 122 meter below G.L i/c sinking and with drawing of casing pipe depth 300 to 550 ft 250'ft depth (PHSI .NO;4(d)P/42)			
	100.0 Rft	12" dia	1073/-	P/Rft	1,07,300/-
05	1 No:	Air lift samples water at any depth upto maximum at 400ft (N.S.I)	26307/-	P/Rft	26,307/-
06	10 Nos:	Providing strong substantially build wooden locked box with compartments for preserving 2 lbs (1 kg) samples of strats. (P.H.S.I.NO:5, P/36)	3530/-	Each	35,300/-
07	20 Nos:	Taking & preserving in box 2 lbs (1 kg) sample of starts from bore holes (P.H.S.INO:6, P/36)	101/-	Each	2,020/-
08	25 Samples	Taking samples of water from bore holes and placing in two separate bottles. (P.H.S.I.NO: 7, P/37)	131/-	P/sample	3,275/-
09		Supply and installing PVC Blind pipe "D"Class of approved design quality and Make i/c necessary socket etc: complete (P.HS.I.NO; P/ )			
	340.0 Rft	8" dia 'B' Class	911/10	P/Rft	3,09,774/-
10		Supplying and installing PVC strainer 'D' Class of approved design quality and make i/c necessary socket etc: complete (P.H.S.M.I.No.17-(III)P/ )			
	60.0 Rft	8" dia 'B' Class	979/05	P/Rft	58,743/-

(cont: on page No:02)

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
1	02	03	04	05	06
11		Shrouding with graded bajri (3/8" to 1/8" or 9 to 3 mm) in between bore and blind pipe for the following diameter or strainers (P.H.S.I.NO:13, P/38)			
	400.0 Rft	8" dia	105/-	P/Rft	42,000/-
12	24 Hours	Testing and development of charges of tube well (P.H.S.I.No;8(b) P/43)	200/-	P/Hour	4,800/-
13	20 Nos	Providing and fixing suspension clamps centralizer (M.R)	500/-	Each	10,000/-
14	1No	Supplying and fixing M.S. Bail plug 5 ft long (P.H.S.I No;8 (b) P/43)	2607/-	Each	2,607/-
15	1No	Construct concrete 1:2:4 around well hand casing complete (approved N.S.I)	1285/-	Each	1,285/-
				<b>Total</b>	<b>8,61,480/-</b>
		<b><u>GROUP 'B' CONSTT: OF PUMP HOUSE (10'x12')</u></b>			
01	178.00 Cft	Excavation in foundation of building bridges and other structures including dabling dressing refilling around structures with excavated earth watering and ramming lead upto 5'ft (in Soft soil) (G.S.I.NO;18,. P/4)	3176/25	P%0cft	565/-
02	150.00 Cft	Cement concrete brick or stone ballast 1½" to 2" gauge Ratio 1:4:8)( G.S.I.NO;4(b)P/16)	9416/28	P%cft	14,124/-
03	165.0 Cft	Cement concrete plain i/c placing compacting finishing and Currying complete (i/c screening and washing of stone aggregate without shuttering (Ratio 1:3:6)(G.S.I.NO; 5(a) p/18)	12595/-	P%cft	20,782/-
04	329.0 Sft	Errection and removal of centering for R.C.C or plain cement concrete works of deodar wood) 2nd class) (for partial wood) Vertical)(G.S.I.NO;19, P/21)	3127/41	P%sft	10,289/-
05	295.0 Cft	Pacca brick work in foundation and plinth in cement sand mortar(1:6) (G.S.I.NO:4(e)P24)	12346/65	P%cft	36,423/-
06	95.00 cft	Filling watering and ramming earth under floor with new earth (Excavated from out side)Lead upto one chain and lift upto 5'ft (G.S.I.NO;22, P/44)	3630/-	P%0cft	345/-

(Cont: on page No:03)

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
1	02	03	04	05	06
07	104.42 cft	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering currying rendering and finishing the exposed surface)(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situe or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" gauge.(G.S.I.NO;6(a)(i)P/19)	337/-	P/cft	35,190/-
08	4.19 cwt	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars(G.S.I.NO;7(ii)(a)P/20)	5001/70	P/cwt	20,957/-
09	120.0 sft	Providing & laying 2" thick topping cement concrete (1:2:4) i/c surface finishing and dividing into panels (G.S.I.NO;16( c ) P/43)	3275/50	P%sft	3,931/-
10	424.0 sft	Cement plaster (1:4) 3/8" thick up to 20' height (G.S.I.NO;11, P/58)	2197/52	P%sft	9,317/-
11	424.0 sft	Cement plaster (1:6) 1/2" thick up to 20' height (G.S.I.NO;11, P/58)	2206/60	P%sft	9,356/-
12	429.0 sft	Cement pointing struck joints on wall in cement sand mortar (Ratio 1:3) (G.S.I.NO;19(b) P/53)	1213/58	P%sft	5,206/-
13	22.75 sft	Making and fixing steel grated door with 1/16" thick sheeting i/c angle iron frame 2"x2"x3/8" and 3/4" square bars 4" center to center with locking arrangement(G.S.I.NO;28, P/97)	726/72	P/sft	16,533/-
14	2.54 cwt	Fabrication of heavy steel with angle tees, flat iron, round iron and sheet iron for making truses girders and etc including cutting tanks etc i/c cutting drilling riverting handling assembling and fixing but excluding erecting in position (G.S.I.NO;2, P/91)	4928/49	P/cwt	12,518/-
15	30.0 sft	Supplying and fixing in position iron / steel grill of 3/4" x 1/4" size flate iron of approved design i/c painting 3 coats etc: complete (weight not to be less than 3.7lbs/sq; feet of finished (G.S.I.NO;26, P/93)	180/50	P/sft	5,415/-
16	2.54 cwt	Errection and fitting in position of iron truses staging of water tank etc: (G.S.I.NO;3, P/91)	271/04	P/cwt	688/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
1	02	03	04	05	06
17	45.50 Sft	<b>PAINTING NEW SURFACE.</b> Preparing surface and painting of doors and windows in any type (3 coats) (G.S.I.NO;5P/77)	2116/41	P%sft	963/-
18	628.00 Sft	White washing (1 coat) (G.S.I.NO;26, P/55)	416/63	P%sft	2,616/-
19	506.0 Sft	White washing (1 coat) (G.S.I.NO;26, P/55)	416/63	P%sft	2,108/-
20	506.0 Sft	Color Washing (2 coats) (G.S.I.NO;25, P/55)	859/90	P%sft	4,351/-
21	2.57 Cwt	Supplying & fixing M.S. Graders 8"x4" (P.H.S.I.NO:140, P/6)	3850/-	P%sft	9,895/-
				<b>Total</b>	<b>2,21,572/-</b>
		<b>GROUP 'C' P//15 BHP ELECTRIC SUBMERSIBLE PUMPING SET.</b>			
01	1 Set	Providing & installing position i/c transportation to the site of work at village Hazoor Bux Rind Taluka Manjhand ground foss submersible type SP30-13 15HP/2 motor complete to discharge 60 G.P.M. against setting depth 470'ft 15 Ground Fos motor siemens of 2½" x 30 Nos: of 10'ft each with flanged ends. The flanges are no touch to accommodate the cable i/c of 2½" dia containing bore holes cover plate with 90 bend sluice valve jacket nuts and bolts and 2 sets of installation clamps (M.S) i/c nipple 2½" dia (M.S) i/c 15 H.P. Motor control unit consist of metallic box circuit breaker am-meter selector switch volt meter volt meter selector switch electronic over current relay magnetic contractor under/over voltage relay (EVR) dry running protection relay indication lamps & on/off switch i/c electrodes & cable 168 m drop cable 3 x 6 mm 84 meter cable clamps 45 Nos: cable termination kit (CTK) x 01 No; and making necessary arrangement for testing of complete pumping set against the required head for 72 hours etc; complete	691487/-	P/Set	6,91,487/-
02		Providing laying jointing and testing G.I. Pipe of approved quality (P.H.S.I.M-2, P/125)			
	30.0 Rft	3" dia for suction & Delivery	304/02	P/Rft	9,121/-
03		Manufacturing & supplying M.S. Flanged made out of M.S. Plate 3/8" thick sheet etc: complete. (M.S.Specials P/8)			
	08 Nos:	3" dia	945/-	Each	7,560/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
1	02	03	04	05	06
04		C.I. Sluice valve heavy patten (Test pressure 21.0 Kg:/Sq; cm or 300 lbs/sq(Imported) (P.H.S.I(M)2, P/9)			
	1 No:	3" dia	4290/-	Each	4,290/-
05		Reflex valve heavy pattern test pressure 300 lbs/sq: inch in pointed (P.H.S(M) -6, P/10)			
	1 No:	3" dia	1543/75	Each	1,544/-
06	13.36 Kg;	C.I.Tapper flat bottomed or central tapered flange end/tees bend with holes i/c turning and facing of flange for all size (P.H.S.(M)I-1, P/11)	120/-	P/Kg:	1,603/-
07	0.26 Cwt	C.I.Bend/tees with flanges and with holes i/c turning and facing of flanged for all size (P.H.S.(M)I-8, P/11)	6096/-	P/Cwt	1,585/-
08	500.0 Rft	Providing & Laying (Main or sub main) PVC insulated & PVC Sheeted with two core copper conductor 300/500 volts size 10 mm <sup>2</sup> (E.S.I.NO;13, P/139)	84/33	P/Rft	42,165/-
09		Jointing C.I/M.S flanged pipes and specials flanged and inside a trenches i/c supplying rubber packing of the required thickness nuts bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc: complete. (P.H.S.I.NO;1, P/35)			
	08 Joints	3" dia	499/-	P/joint	3,992/-
				<b>Total</b>	<b>7,63,347/-</b>

### A B S T R A C T

Group 'A' Installing Tube Well. Rs:8,61,480/-

Group 'B' Construction of Pump House(10'x12) Rs:2,21,572/-

Group 'C' Providing Installing 15 BHP Electric Submersible pump

Rs:7,63,347/-

**Total; Rs:18,46,399/-**

**Amount Total (a) + (b) Rs: \_\_\_\_\_**

\_\_\_\_\_ % above / below on the rates of CSR, Amount to be added / deducted on the basis

Total (b) of premium quoted \_\_\_\_\_

Total (A) = a + b in works & Figures \_\_\_\_\_

**Contractor**

**EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:DIVISION  
JAMSHORO**

## BILL OF QUANTITIES

**NAME OF WORK:-** Water Supply Scheme Village Noorpur, Sajjan Chhachhar Mohalla Taluka Manjhand (District Jamshoro)

**(A) Description and rate of item based on Composite schedule of Rates**

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
		<b>GROUP 'A' INSTALLING TUBE WELL.</b>			
01		Boring tube well in water bearing soil from G.I. upto 100'ft depth i/c sinking and with drawing of casing pipe.(PHSI.NO:1, P/36)			
	100.0 Rft	6" dia test bore	414/-	P/Rft	41,400/-
	100.0 Rft	12" Dia	743/-	P/Rft	74,300/-
02		Boring for tube well in all water bearing soil from depth 100.1 to 200'ft or 30.51 to 61 meter below ground level i/c sinking and with drawing of casing pipes (P.H.S.I.NO:2, P/36)			
	50.0 Rft	6" dia test bore	516/-	P/Rft	25,800/-
	50.0 Rft	12" dia	849/-	P/Rft	42,450/-
03	1 No:	Providing strong substantially build wooden locked box with compartments for preserving 2 lbs (1 kg) samples of strats. (P.H.S.I.NO:5, P/36)	3530/-	Each	3,530/-
04	08 Nos:	Taking & preserving in box 2 lbs (1 kg) sample of strats from bore holes (P.H.S.I.NO:6, P/36)	101/-	Each	808/-
05	08 Samples	Taking samples of water from bore holes and placing in two separate bottles. (P.H.S.I.NO: 7, P/37)	131/-	P/sample	1,048/-
06		Supply and installing PVC Blind pipe "D"Class of approved design quality and Make i/c necessary socket etc: complete (P.H.S.I.NO; P/ )			
	98.0 Rft	8" dia	516/80	P/Rft	50,646/-
07		Supplying and installing PVC strainer 'D' Class of approved design quality and make i/c necessary socket etc: complete (P.H.S.M.I.No.17-(III)P/ )			
	52.0 Rft	8" dia	554/05	P/Rft	28,811/-
08	150.0 Rft	Shrouding with graded bajri (3/8" to 1/8" or 9 to 3 mm) in between bore and blind pipe for the following diameter or strainers (P.H.S.I.NO:13, P/38)	105/-	P/Rft	15,750/-
09	24 Hours	Testing and development of charges of tube well (P.H.S.I.No;8(b) P/43)	2460/-	P/Hour	4,800/-
10	01 No:	Providing and fixing suspension clamps centralizer (M.R)	500/-	Each	500/-
11	1No	Supplying and fixing M.S. Bail plug 5 ft long (P.H.S.I No;8 (b) P/43)	2607/-	Each	2,607/-

(cont: on page No:02)

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
1	02	03	04	05	06
12	1 No:	Construct concrete 1:2:4 around well hand casing complete (.A.Attached)	1285/-	Each	1,285/-
				<b>Total</b>	<b>2,93,735/-</b>
		<b><u>GROUP 'B' CONSTT: OF PUMP HOUSE (10'x12')</u></b>			
01	178.00 Cft	Excavation in foundation of building bridges and other structures including dabbling dressing refilling around structures with excavated earth watering and ramming lead upto 5'ft (in Soft soil) (G.S.I.NO;18,. P/4)	3176/25	P%0cft	565/-
02	150.00 Cft	Cement concrete brick or stone ballast 1½" to 2" gauge Ratio 1:4:8)(G.S.I.NO;4(b)P/16)	9416/28	P%cft	14,124/-
03	165.0 Cft	Cement concrete plain i/c placing compacting finishing and Currying complete (i/c screening and washing of stone aggregate without shuttering (Ratio 1:3:6)(G.S.I.NO; 5(a) p/18)	12595/-	P%cft	20,782/-
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05	295.0 Cft	Pacca brick work in foundation and plinth in cement sand mortar(1:6) (G.S.I.NO:4(e)P24)	12346/65	P%cft	36,423/-
06	95.00 cft	Filling watering and ramming earth under floor with new earth (Excavated from out side)Lead upto one chain and lift upto 5'ft (G.S.I.NO;22, P/44)	3630/-	P%0cft	345/-
07	104.42 cft	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering currying rendering and finishing the exposed surface)(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situe or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to ¼" gauge.(G.S.I.NO;6(a)(i)P/19)	337/-	P/cft	35,190/-

(Cont: on page No:03)

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
1	02	03	04	05	06
08	4.19 cwt	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars)(G.S.I.NO;7(ii)(a)P/20)	5001/70	P/cwt	20,957/-
09	120.0 sft	Providing & laying 2" thick topping cement concrete (1:2:4) i/c surface finishing and dividing into panels (G.S.I.NO;16( c ) P/43)	3275/50	P%sft	3,931/-
10	424.0 sft	Cement plaster (1:4) 3/8" thick up to 20' height (G.S.I.NO;11, P/58)	2197/52	P%sft	9,317/-
11	424.0 sft	Cement plaster (1:6) 1/2" thick up to 20' height (G.S.I.NO;11, P/58)	2206/60	P%sft	9,356/-
12	429.0 sft	Cement pointing struck joints on wall in cement sand mortar (Ratio 1:3) (G.S.I.NO;19(b) P/53)	1213/58	P%sft	5,206/-
13	22.75 sft	Making and fixing steel grated door with 1/16" thick sheeting i/c angle iron frame 2"x2"x3/8" and 3/4" square bars 4" center to center with locking arrangement(G.S.I.NO;28, P/97)	726/72	P/sft	16,533/-
14	2.54 cwt	Fabrication of heavy steel with angle tees, flat iron, round iron and sheet iron for making truses girders and etc including cutting tanks etc i/c cutting drilling riveting handling assembling and fixing but excluding erecting in position (G.S.I.NO;2, P/91)	4928/49	P/cwt	12,518/-
15	30.0 sft	Supplying and fixing in position iron / steel grill of 3/4" x 1/4" size flate iron of approved design i/c painting 3 coats etc: complete (weight not to be less than 3.7lbs/sq; feet of finished (G.S.I.NO;26, P/93)	180/50	P/sft	5,415/-
16	2.54 cwt	Errection and fitting in position of iron truses staging of water tank etc: (G.S.I.NO;3, P/91)	271/04	P/cwt	688/-
17	45.50 Sft	<b><u>PAINTING NEW SURFACE.</u></b> Preparing surface and painting of doors and windows in any type (3 coats) (G.S.I.NO;5P/77)	2116/41	P%sft	963/-
18	628.00 Sft	White washing (1 coat) (G.S.I.NO;26, P/55)	416/63	P%sft	2,616/-
19	506.0 Sft	White washing (1 coat) (G.S.I.NO;26, P/55)	416/63	P%sft	2,108/-
20	506.0 Sft	Color Washing (2 coats) (G.S.I.NO;25, P/55)	859/90	P%sft	4,351/-
21	2.57 Cwt	Supplying & fixing M.S. Graders 8"x4" (P.H.S.I.NO:140, P/6)	3850/-	P%sft	9,895/-
				<b>Total</b>	<b>2,21,572/-</b>



Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
1	02	03	04	05	06
		<b><u>GROUP 'C' P//15 BHP ELECTRIC SUBMERSIBLE PUMPING SET.</u></b>			
01	1 Set	Providing & installing position i/c transportation to the site of work at village Noorpur Taluka Manjhand ground foss submersible Pump type HVP-17-13+10 HPx3x400v 2 pole capable to discharge 50 G.P.M. against a head of 415ft 10 HP ground fos motor setting depth 350'ft HMA complete stainless steel submersible pump type HVP 17-13 Submersible motor 10 HP (3x400vx2 pole) M.S Riser pipe 2½ x 35 Nos: M.S. Nipples 2½" 01 No: M.S. Top set 2½" x 1 No: drop cable 3x10mm2x375 feet cable termination kit 10 BH motor control unit fully motor control unite consist of metallic box circuit breaker am-meter selector switch electronic over current relay magnetic contractor under/over voltage relay (EVR) dry running protection relay indication lamps and on/of switch i/c electrodes and cable 168 m drop cable 3x10mm 84 meter cable clamps 45 Nos: cable termination kit (CTK) x 01 No and making necessary arrangement for testing of complete pumping set against the required head for 72 hours etc: complete (Non schedule item)	786000/-	P/Set	7,86,000/-
02		Providing laying jointing and testing G.I. Pipe 4" dia of approved quality to be tested with pressure head 200'ft (P.H.S.M.I.NO;1 (iii) P/125)			
	30.0 Rft	4" dia	431/93	P/Rft	12,958/-
03		Manufacturing & supplying M.S. Flanged made out of M.S. Plate 3/8" thick sheet etc: complete. (M.S.Pipe specials (PHSI.NO;8, P/8)			
	06 Nos:	4" dia	1520/-	Each	9,120/-
04	21.00 Kg;	C.I.Tapper flat bottomed or central tapered flange end/tees bend with holes i/c turning and facing of flange for all size (P.H.S.(M)I-1, P/11)	120/-	P/Kg:	2,520/-
05	38.0 Kg:	C.I.Bend/tees with flanges and with holes i/c turning and facing of flanged for all size (P.H.S.(M)I-8, P/11)	120/-	P/Kg:	4,560/-
06	1 No:	Reflex valve heavy pattern test pressure 300 lbs/sq: inch in pointed (P.H.S(M) -6, P/10)	1706/25	Each	1,706/-
07	1 No:	C.I. Short piece (P.H.S.M.I.NO;9, P./9)	487/50	Each	488/-
08	200.0 Rft	Providing & Laying (Main or sub main) PVC insulated & PVC Sheet with 4 core copper conductor 600/1000 volts size 16 mm2 (E.S.I.NO;102, P/12)	422/45	P/Rft	84,490/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
1	02	03	04	05	06
09		C.I. Sluice valve heavy patter (Test pressure 21.0 Kg:/Sq; cm or 300 lbs/sq(Imported) (P.H.S.I(M)2, P/9)			
	1 No:	4" dia	5460/-	Each	5,460/-
10		Jointing C.I/M.S flanged pipes and specials flanged and inside a trenches i/c supplying rubber packing of the required thickness nuts bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc: complete. (P.H.S.I.NO;1, P/35)			
	12 Joints	4" dia	513/-	P/joint	6,156
				<b>Total</b>	<b>9,13,458/-</b>
		<b>GROUP 'D' P/L/J/ &amp; Testing P.E. Pipe</b>			
01	13388.00 Cft	Excavation for pipe lines into trenches and pits in hard soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm)(P.H.S.I.NO; 4, P/46)	3900/-	P%0cft	52,211/-
02		Providing PVC pipe of class 'B' (equivalent make)fixing in trenches i/c cutting and jointing with "Z" joints with one rubber rings i/c testing with water to head of 61 meter or 200'ft.(P.H.S.I.NO;1, P/92)			
	1700.0 Rft	6" DIA	262/-	P/Rft	4,45,400/-
03		Supplying G.I. Pipe approved quality to be tested with pressure 200'ft (P.H.S.I.NO;1, P/26)			
	100.0 Rft	6" dia	695/04	P/Rft	69,504/-
04		Providing C.I. M.S. flange 6" dia made of M.S. sheet 3/8" thick cutting drilling holes etc: complete (P.H.SM.M.S Specials)			
	20 Nos:	6" dia	1520/-	Each	30,400/-
05		Laying C.I/M.S Pipe (S & S) flanged and specials and fixing in trenches i/c cutting fitting and testing with water to specified pressure (P.H.S.I.NO;B, P/78)			
	100.0 Rft	6" dia	11/64	P/Rft	1,164/-
06	74.44 Kg:	C.I. Bend with flanged ends with holes including turning and facing of flanged for all size (P.H.S.M.I.NO;8, P/98)	120/-	P/Kg:	8,933/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
1	02	03	04	05	06
07		P.V.C. 'Z' Jointing fitting (P.H.S.I.NO;16, P/28)			
	8 Nos:	PVC Bend 6" dia 90 & 45	1913/-	Each	15,304/-
08		C.I. Gibault joint (PHSI.NO;(M) 14, P/17)			
	4 Nos:	6" dia	1062/50	Each	4,250/-
09		C.I. Tail piece (P.H.S.M.I.NO;09, P/114)			
	2 Nos:	3" dia	568/-	Each	1,136/-
10		C.I. Reducer (P.H.SM.I.NO;11, P/16)			
	2 Nos:	4" x 3"	568/75	Each	1,138/-
11		C.I. Sluice valve heavy patten (Test pressure 21.0 Kg:/Sq; cm or 300 lbs/sq(Imported) (P.H.S.I(M)2, P/9)			
	1 No:	4" DIA	5460/-	Each	5,460/-
12		Jointing C.I./M.S flanged pipes and specials flanged and inside a trenches i/c supplying rubber packing of the required thickness nuts bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc: complete. (P.H.S.I.NO;1, P/35)			
	27 Joints	6" dia	938/-	P/Joint	25,326/-
	02 Joints	4" dia	513/-	P/Joint	1,026/-
13		Making joints specials fitting (i/c laying of specials and cost of solvent cement of required diameter and testing the joints alongwith PVC Pipe line 'B' 'C' and 'D' class of the specified pressure and making Good to all leaky joints etc: complete (P.H.S.I.NO:1, P/35)			
	25 Nos:	6" dia	96/-	Each	2,400/-
	2 Nos:	4" dia	59/-	Each	118/-
14	1 No;	Providing chamber 2½"x2½" (750x750mm) inside dimension 4½"(1372 mm) deep as per approved design for sluice valve 3" to 12" dia with 18" (457mm) dia inside cast iron cover and frame (wt= 1 cwt 3 qr) fixed in RCC 1:2:4 (102 mm) thick with 5 lbs steel per cft)9" (299 mm) thick brick masonry wall set in 1:6 cement mortar 6" (1152mm ) thick cement concrete 1:3:6 in foundation 1" thick cement concrete 1:2:4 flooring ½" (12.5mm) thick cement plaster 1:3 to all inside wall surface and to top i/c providing and fixing M.S. foot beyond 2½" depth curring excavation back filling and disposal of surplus earth etc; complete (P.H.S.I.NO:1, P/49)	18820/-	Each	18,820/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
1	02	03	04	05	06
15	12049.0 Cft	Refilling the excavated stuff in trenches 6" thick layers i/c watering ramming to full compaction etc: complete (P.H.S.I.NO;24, P/53)	2760/-	P%0cft	33,255/-
				<b>Total</b>	<b>7,15,845/-</b>

**A B S T R A C T**

Group 'A' Installing Tube Well.	Rs:2,93,735/-
Group 'B' Construction of Pump House(10'x12)	Rs:2,21,572/-
Group 'C' Providing Installing 10 BHP Electric Submersible pump	Rs:9,13,458/-
Group 'D' P/L/J & Testing P.E Pipe	<u>Rs:7,15,845/-</u>
<b>Total;</b>	<b>Rs:21,44,611/-</b>

**Amount Total (a) + (b) Rs:** \_\_\_\_\_

\_\_\_\_\_ % above / below on the rates of CSR, Amount to be added / deducted on the basis

Total (b) of premium quoted \_\_\_\_\_

Total (A) = a + b in works & Figures \_\_\_\_\_

**Contractor**

**EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:DIVISION  
JAMSHORO**

## **BILL OF QUANTITIES**

**NAME OF WORK:-** Contraction of Water Supply Scheme Muhammad Khan Shoro (Daboo)  
(Taluka Kotri) (District Jamshoro)

**(A) Description and rate of item based on Composite schedule of Rates**

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
		<b><u>GROUP 'A' CONSTRUCTION OF STORAGE TANK</u></b>			
01	6380.0 Cft	Excavation for tanks and reservoirs in hard soil i/c trimming and dressing sides to true alignment /design sections / profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer incharge i/c providing fence guards lights flags where ever required lift upto 5'ft (1.52m) and lead upto one chain (30.50mm) (P.H.S.I.NO;3, P/68)	3300/-	P%0cft	21,054/-
02	6380.0 Cft	Excavation for tanks and reservoirs in all kind of soils mumum hard average or soil i/c trimming and dressing sides to true alignment /design sections / profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer incharge i/c providing fence guards lights flags where ever required lift upto 5'ft (1.52m) and lead upto one chain (30.50mm) (P.H.S.I.NO;5, P/69)	4050/-	P%0cft	25,839/-
03	25520.0 Cft	Excavation for tanks and reservoirs in soft rocky by hammering and chi setting where blasting in not practicable is prohibited i/c trimming and dressing sides to true alignment /design sections / profiles andshape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer incharge i/c providing fence guards lights flags where ever required lift upto 5'ft (1.52m) and lead upto one chain (30.50mm) (P.H.S.I.NO;6, P/70)	10170/-	P%0cft	259,538/-
	6380.0 cft	Add: for additional left of every three coats	550/-	P%0cft	3,509/-

(Cont: on page No:02)

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
04	3190.0 Cft	Cement concrete brick or stone ballast 1½" to 2" guage (Ratio 1:4:8) (G.S.I.NO;4(b)P/15)	9416/28	P%cft	300,379/-
05	1512.50 Cft	Cement concrete plain i/c placing compacting finishing and curring complete(i/c screening and washing of stone aggregate without shuttering (Ratio 1:2:4) (G.S.I.NO;5(h)p/15)	14429/25	P%cft	218,242/-
06	6374.0 cft	Pacca brick work in foundation and plinth in cement sand mortor (1:4) (G.S.I.NO;4,P/20)	11948/36	P%cft	761,588/-
07	3734.0 Cft	Cement plaster (1:4) upto 12'ft height ¾" thick (G.S.I.NO;11 ( c) P/52)	2206/60	P%sft	82,394/-
08	3734.0 Cft	Cement plaster (1:4) upto 12'ft height 3/8" thick (GSI.NO;9(a)P/58)	2197/52	P%sft	82,055/-
				<b>Total</b>	<b>17,54,598/-</b>
		<b><u>SUMP WELL</u></b>			
01	44.15 Cft	Excavation for tanks and reservoirs in hard soil i/c trimming and dressing sides to true alignment /design sections / profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer incharge i/c providing fence guards lights flags where ever required lift upto 5'ft (1.52m) and lead upto one chain (30.50mm) (P.H.S.I.NO;3, P/68)	3300/-	P%0cft	146/-
02	44.15 Cft	Excavation for tanks and reservoirs in all kind of soils mumum hard average or soil i/c trimming and dressing sides to true alignment /design sections / profiles and shape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer incharge i/c providing fence guards lights flags where ever required lift upto 5'ft (1.52m) and lead upto one chain (30.50mm) (P.H.S.I.NO;5, P/69)	4050/-	P%0cft	179/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
03	176.62 Cft	Excavation for tanks and reservoirs in soft rocky by hammering and chi setting where blasting in not practicable is prohibited i/c trimming and dressing sides to true alignment /design sections / profiles andshape leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layers for construction of banks and dressing and disposal of surplus excavated earth within one chain as directed by Engineer incharge i/c providing fence guards lights flags where ever required lift upto 5'ft (1.52m) and lead upto one chain (30.50mm) (P.H.S.I.NO;6, P/70)	10170/-	P%0cft	1,796/-
	44.15 Cft	Add: for additional lift.	550/-	P%0cft	24/-
04	22.07 Cft	Cement concrete brick or stone ballast 1½" to 2" guage (Ratio 1:4:8) (G.S.I.NO;4(b)P/15)	9416/2/8	P%CFT	2,078/-
05	103.42 Cft	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labourfor bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering currying rendering and finishing the exposed surface)(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situe or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to ¼" gauge. (G.S.I.NO;6(i)P/17)	337/-	P/Cft	34,853/-
06	4.15 Cwt	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars(G.S.I.NO;8(ii)P/16)	5001/70	P/Cwt	20,757/-
				<b>Total</b>	<b>59,853/-</b>
		<b><u>INTER CONNECTION</u></b>			
01	252.00 Cft	Excavation for pipe lines into trenches and pits in hard soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm)(P.H.S.I.NO; 3, P/61)	3900/-	P%0cft	983/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
02	252.0 Cft	Excavation for pipe lines into trenches and pits in all hard of soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm)(P.H.S.I.NO; 6, P/62)	4650/-	P%0cft	1,172/-
03	1008.0 Cft	Excavation for pipe lines into trenches and pits in soft Rock i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (0.5 mm) (P.H.S.I.NO; 6,P/62)	11320/-	P%0cft	11,411/-
04		Providing Laying RCC Pipe of A.S.T.M C-76-62 T/C 76-70 of class -II wall B and fixing in trenches i/c cutting fitting and jointing with rubber rings i/c testing water to specified pressure.			
	72.00 Rft	18" dia	618/-	P/Rft	44,496/-
05	1360.80 Cft	Refilling the excavated stuff in trenches 6" thick layers i/c watering ramming to full compaction etc: complete (P.H.S.I.NO;24, P/53)	2760/-	P%0cft	3,756/-
				<b>Total</b>	<b>61,818/-</b>
		<b><u>GROUP 'B' CONSTT: OF PUMP HOUSE (10'x12')</u></b>			
01	145.0 Cft	Excavation in foundation of building bridges and other structures including dabbling dressing refilling around structures with excavated earth watering and ramming lead upto 5'ft (in hard soft murham )(G.S.I.NO;18,. P/4)	3554/38	P%0cft	515/-
02	94.0 Cft	Cement concrete brick or stone ballast 1½" to 2" gauge Ratio 1:4:8 (G.S.I.NO;4(b)P/16)	9416/28	P%cft	8,851/-
03	205.62 Cft	Cement concrete plain including placing compacting finishing and curring complete including screening and washing of stone aggregate without shuttering (Ratio 1:3:6)(G.S.I.NO;5(c)P/16)	12595/-	P%cft	25,898/-



Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
04	294.0 Sft	Errection and removal of centering for R.C.C or plain cement concrete works of deodar wood)2 <sup>nd</sup> class)(for partal wood) (Vertical)(G.S.I.NO;18,(b) P/19)	3127/41	P%sft	9,195/-
05	218.50 Cft	Filling watering and ramming earth under floor with new earth (Excavated from out side)Lead upto one chain and lift upto 5'ft (G.S.I.NO;22, P/44)	3630/-	P%0cft	793/-
06	312.0 Cft	Pacca brick Ground floor upto 20' height in (1:6) cement (G.S.I.5, P/20)	12674/36	P%cft	39,544/-
07	105.35 Cft	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering currying rendering and finishing the exposed surface)(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situe or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to 1/4" gauge. (G.S.I.NO;6(i)P/17)	337/-	P/Cft	35,503/-
08	4.23 Cwt	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars)(G.S.I.NO;8(ii)P/16)	5001/70	P/Cwt	21,157/-
09	28.00 Sft	Making and fixing steel grated door with 1/16" thick sheeting i/c angle iron frame 2"x2"x3/8" and 3/4" square bars 4" center to center with locking arrangement(G.S.I.NO;28, P/97)	726/72	p/Sft	20,348/-
10	2.03 Cwt	Fabrication of heavy steel work with angles tees flat iron and sheet iron for making truses girders, tanks etc; including cutting riveting, handling assembling and fixing but excluding errection in position (GSI.NO;2 P/93)	4928/49	P/cwt	10,005/-
11	2.03 Cwt	Erection and fitting in position of iron trusses staging of water tank etc: (GSI.NO;3 ,P/92)	271/04	P/Cwt	550/-
12	24.00 Sft	Supplying and fixing in position iron / steel grill of 3/4" x 1/4" size flate iron of approved design i/c painting 3 coats etc: complete (weight not to be less than 3.7 lbs/sq: feet of finished)(G.S.I.NO;26, P/93)	180/50	P/Sft	4,332/-
13	120.0 Sft	Providing & laying 3" thick topping cement concrete (1:2:4) i/c surface finishing and dividing into panels(G.S.I.NO;16( c ) P/41)	3275/50	P%sft	3,931/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
14	481.0 Sft	Cement plaster (1:4) ½" thick upto 20' height (G.S.I.NO;11, P/52)	2283/93	P%sft	10,986/-
15	487.50 Sft	Cement pointing struck joint on wall (in cement mortar (1:3) (G.S.I.NO;19(ii)P/53)	1213/58	P%sft	5,916/-
16	581.00 Sft	White washing (3 coats) (G.S.I.NO;26, P/55)	829/95	P%sft	4,822/-
17	487.50 Sft	Colour washing (2 coats) (G.S.I.NO;25, P/53)	859/90	P%sft,	4,192/-
18	104.0 Sft	<b>PAINTING NEW SURFACE</b> Preparing surface and painting of doors and windows in any type (3 coats) (G.S.I.NO;5P/68)	2116/41	P%sft	2,201/-
				<b>Total</b>	<b>208,739/-</b>
		<b><u>GROUP 'C' CONSTRUCTION OF COMPOUND WALL.</u></b>			
01	3788.00 Cft	Excavation in foundation of building bridges and other structures including dag belling dressing refilling around structures with excavated earth watering and ramming lead upto 5'ft(in ordinary soil) (G.S.I.NO;18, P/4)	3554/38	P%0cft	13,464/-
02	754.0 Cft	Cement concrete brick or stone ballast 1½" to 2" guage(Ratio 1:4:8) GSI.NO;4(b)P/15)	9416/28	P%cft	70,999/-
03	5960.0 Cft	Errection and removal of centering for R.C.C or plain cement concrete works of Partal wood)2 <sup>nd</sup> class)(for partal wood)(Vertical)(G.S.I.NO;19, P/17)	3127/41	P%sft	1,86,394/-
04	2980.0 Cft	Cement concrete plain i/c placing compacting finishing and curring complete(i/c screening and washing of stone aggregate without shuttering(Ratio 1:3:6)(G.S.I.NO;5(h)p/15)	12595/-	P%cft	3,75,331/-
05	1238.0 Cft	Pacca brick work in other than building including striking Of joints upto 20'ft height in (G.S.I.NO:7 ( c ) P/22)	12346/65	P%cft	1,52,852/-
06	72.0 Cft	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labourfor bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering currying rendering and finishing the exposed surface)(including screening and washing of shingle)(a)R.C. Work in roof slab, beams, columns, rafts, lintels and other structural members laid in situe or precast laid in position complete in all respect(i)Ratio 1:2:4)90 lbs cement 2 cft sand 4 cft shingle 1/8" to ¼" gauge. (G.S.I.NO;6(i)P/16)	337/-	P/Cft	24,264/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
07	2.89 Cwt	Fabrication of mild steel reinforcement for cement concrete including cutting bending laying in position making joints and fastenings including cost of binding wire (also includes removal of rust from bars)(G.S.I.NO;8(ii)P/17)	5001/70	P/Cwt	14,455/-
08	6867.0 sft	Cement plaster (1:4) upto 12'ft height ½" thick (G.S.I.NO;11(b) P/52)	2283/93	P%sft	1,56,837/-
09	72.00 Sft	Making fixing steel grated door complete with 1/16" thick sheeting Including angle iron frame 2"x2"x3'8" and ¾" sq; bars 4" centre to centre With locking arrangement (G.S.I.NO;24, P/91)	726/72	P/Sft	52,324/-
10	6867.0 Sft	White washing (one coat) (G.S.I.NO;26, P/54)	416/63	P%sft	28,610/-
11	6867.0 Sft	Colour washing (G.S.I.NO;25(b), P/54)	859/90	P%sft	59,049/-
12	144.0 Sft	Painting new surface preparing door and windows surface and painting of any type i/c angle three coats)(GSI.NO;5( c )P/69)	2116/41	P%sft	3,048/-
				<b>Total</b>	<b>11,37,627/-</b>
		<b><u>GROUP 'D' P/L/J/ &amp; TESTING P.E. PIPE 6' DIA</u></b>			
01	15187.50 Cft	Dismantling and removing road (G.S.I.NO; 51,P/03)	605/-	P%cft	91,884/-
02	135.0 Cft	Dismantling Cement concrete plain (1:2:4) (G.S.I.NO;19( a)P/10)	3327/50	P%cft	4,492/-
03	135.00 Cft	Dismantling cement concrete plain (1:4:8)(G.S.INO;19( c)P/11)	1663/75	P%cft	2,246/-
04	51188.0 Cft	Excavation for pipe lines into trenches and pits in Sift soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm) (P.H.S.I.NO; 1, P/60)	3600/-	P%0cft	1,84,277/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
05	66375.0 Cft	Excavation for pipe lines into trenches and pits in soft Rock i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm)(P.H.S.I.NO; 6, P/62)	10770/-	P%0cft	7,14,859/-
06	99562.50 Cft	Excavation for pipe lines into trenches and pits in soft Rock i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5'ft(1.52m) and lead upto one chain (30.5mm)(P.H.S.I.NO; 6, P/62)	24150/-	P%0cft	24,04,434/-
07	160.0 Rft	Providing G.I. Pipe of approved quality.	776/18	P/Rft	1,24,189/-
08		G.I. Fitting china (S.S.I.NO;2, P/7)			
	08 Nos:	6" Dia	1900/-	Each	15,200/-
09	6 Nos:	Short Piece (P.H.S.M.I.NO;9)	618/75	Each	3,713/-
10		Providing P.E. Pipe (P-N-8) i/c fixing in trenches and cutting fitting i/c testing water etc complete (P.H.S.I.NO;F P/25)			
	29500.0 Rft	6" dia	440/-	P/Rft	1,29,80,000/-
11		P.E. Specials 'B' Class test pressure 122 meter or 400'ft (S.O.P.H.(M) NO:B, P/47)			
	12 Nos:	Elbow Bend 90 <sup>0</sup>	3480/-	Each	41,760/-
	12 Nos:	Elbow Bend 45 <sup>0</sup>	2784/-	Each	33,408/-
12		Air valve double acting 3"x1" ( Local) (S.M.I.NO;8, P/1)			
	16 Nos:	6" dia	4000/-	Each	64,000/-
13		Fire Hydrant tee 10" dia (Sch: M.I.NO;3, (b) P/16)			
	16 Nos:	6" dia	1375/-	Each	22,000/-
14		C.I. Sluice valve heavy pattern test pressure 300 lbs/sq: inch(P.H.S.I.NO;M. 7,P/ 9)			
	3 Nos:	6" dia	9360/-	Each	28,080/-
15	19 Nos:	Providing chamber 2½"x2½" (750x750mm) inside dimension 4½"(1372 mm) deep as per approved design for sluice valve 3" to 12" dia with 18" (457mm) dia inside cast iron cover and frame (wt= 1 cwt 3 qr) fixed in RCC 1:2:4 (102 mm) thick with 5 lbs steel per cft)9" (299 mm) thick brick masonry wall set in 1:6 cement mortar 6" (1152mm ) thick cement concrete 1:3:6 in foundation 1" thick cement concrete 1:2:4 flooring ½" (12.5mm) thick cement plaster 1:3 to all inside wall surface and to top i/c providing and fixing M.S. foot beyond 2½" depth curring excavation back filling and disposal of surplus etc: complete (P.H.S.I.NO;1,P/40) <b>(Cont: on page No:09)</b>	18820/-	Each	3,57,580/-

Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
16	24 Joints	Butt Busion joint (P.H.S.M.I.NO;H, P/21)	1000/-	P/Joint	24,000/-
17		Jointing C.I/M.S flanged pipe and specials flanged and inside a trenches i/c supplying rubber packing of the required thickness nuts, bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc; complete (PHSI.NO;1, P/40)			
	6 Joints	6" dia	938/-	P/Joint	5,628/-
18	209081.70 Cft	Refilling the excavated stuff in trenches 6" thick layers i/c watering ramming to full compaction etc: complete (P.H.S.I.NO;24, P/53)	2760/-	P%0cft	5,77,065/-
				<b>Total</b>	<b>1,76,78,815/-</b>

**A B S T R A C T**

Group 'A' Construction of Storage Tank		Rs: 17,54,598/-
Group 'B' Sump Well		Rs: 59,833/-
Group 'C' Inter Connection.		Rs: 61,818/-
Group 'D' Construction of Pump House (10'x12')		Rs: 2,08,739/-
Group 'E' Construction of Compound Wall.		Rs: 11,37,627/-
Group 'F' P/L/J & Testing P.E. Pipe 6" dia		Rs:1,76,78,815/-
	<b>Total;</b>	<b>Rs:2,09,01,430/-</b>

**Amount Total (a) + (b) Rs:** \_\_\_\_\_

\_\_\_\_\_ % above / below on the rates of CSR, Amount to be added / deducted on the basis

Total (b) of premium quoted \_\_\_\_\_

Total (A) = a + b in works & Figures \_\_\_\_\_

**Contractor**

**EXECUTIVE ENGINEER  
PUBLIC HEALTH ENGG:DIVISION  
JAMSHORO**