# **BILL OF QUANTITIES**

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

(A)		on and rate of item based on Composite so			
Item No:	Quantity	Description of Item to be executed at site	Rate	Unit	Amount
01	02	03	04	05	06
_	_	GROUP 'A' INSTALLING TUBE WELL.	_		
01		Boring tube well in water bearing soil from			
0.		G.I. upto 100'ft depth i/c sinking and with			
	100.0 Rft	drawing of cashing pipe.(PHSI.NO:1, P/36) 12" Dia	743/-	P/Rft	74 200/
02	100.0 RIL	Boring for tube well in all water bearing soil	743/-	P/RII	74,300/-
02		с С			
		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			
	400 0 D()	(P.H.S.I.NO:2, P/36)	0.40/		04.000/
03	100.0 Rft	12" dia Boring for tube well all water bearing soil	849/-	P/Rft	84,900/-
03		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 cashing 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	26307/-	P/Rft	26,307/-
06	10 Nos:	maximum at 400ft (N.S.I) Providing strong substantially build wooden	3530/-	Each	35,300/-
00	10 1105.	locked box with compartments for preserving 2	3330/-	Lach	33,300/-
		lbs (1 kg) samples of strats.			
07		(P.H.S.I.NO:5, P/36)	404/		2.020/
07	20 Nos:	Taking & preserving in box 2 lbs (1 kg) sample of starts from bore holes	101/-	Each	2,020/-
		(P.H.S.INO:6, P/36)			
08	25	Taking samples of water from bore holes	131/-	P/sample	3,275/-
	Samples	and placing in two separate bottles.			-,
		(P.H.S.I.NO: 7, P/37)			
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			-,,- "
10		of approved design quality and make i/c			
		necessary socket etc: complete			
		(P.H.S.M.I.No.17-(III)P/)	070/05		E0 740/
	60.0 Rft	8" dia 'B' Class	979/05	P/Rft	58,743/-

# (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 fxing M.S. Bail plug 5 ft long (P.H.S.I No;8 (b) P/43	2607/-	Each	2,607/-
15	1No	Construct concrte 1:2:4 arround well hand casing complete (approved N.S.I)	1285/-	Each	1,285/-
				Total	8,61,480/-
		GROUP 'B' CONSTT: OF PUMP HOUSE (10'x12')			
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 1 <sup>1</sup> / <sub>2</sub> " 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	3127/41	P%sft	10,289/-
		R.C.C or plain cement concrete works of			
		deodar wood) 2nd class) (for partial			
		wood) Vertical)(G.S.I.NO;19, P/21)			
05	295.0 Cft	Pacca brick work in foundation and plinth	12346/65	P%cft	36,423/-
		in cement sand mortor(1:6)			
		(G.S.I.NO:4(e)P24)			
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/-

	1	(Page No:03)			·
Item	Quantity	Description of Item to be executed at	Rate	Unit	Amount
<u>No:</u> 1	02	site 03	04	05	06
07	104.42	Reinforced cement concrete work	337/-	P/cft	35,190/-
07	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/-	Ρ/сπ	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 frame2"x2"x3/8" and <sup>3</sup> / <sub>4</sub> " 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 <sup>3</sup> / <sub>4</sub> " x <sup>1</sup> / <sub>4</sub> " 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/-

		(Page No:04)			1
Item	Quantity	Description of Item to be executed at	Rate	Unit	Amount
<u>No:</u> 1	02	site 03	04	05	06
17	45.50 Sft	PAINTING NEW SURFACE. 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/-
				Total	2,21,572/-
		<b><u>GROUP</u></b> 'C' P/I/15 BHP ELECTRIC SUBMERSIBLE PUMPING SET.			
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		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)			

ltem	Quantity	(Page No:05) Description of Item to be executed at	Rate	Unit	Amount
No:	Quantity	site	Nate	Onit	Amount
1	02	03	04	05	06
04		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:	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 holesi/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 mm2 (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/-
				Total	7,63,347/-

### <u>A B S T R A C T</u>

Amount Total (a) + (b) Rs:	
Group 'C' Providing Installing 15 BHP Electric Submersible pump <b>Total;</b>	<u>Rs:7,63,347/-</u> <b>Rs:18,46,399/-</b>
Group 'B' Construction of Pump House(10'x12)	Rs:2,21,572/-
Group 'A' Installing Tube Well.	Rs:8,61,480/-

\_\_\_\_\_% 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\_\_\_\_\_

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

(A) Item	Quantity	on and rate of item based on Composite so Description of Item to be executed at	Rate	Unit	Amount
No:	<b>,</b>	site		•••••	
01	02	03	04	05	06
		GROUP 'A' INSTALLING TUBE WELL.			
01		Boring tube well in water bearing soil from			
		G.I. upto 100'ft depth i/c sinking and with			
		drawing of cashing 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 starts from bore holes	101/-	Each	808/-
		(P.H.S.INO:6, P/36)			
05	08 Samples	Taking samples of water from bore holes and placing in two separate bottles.	131/-	P/sample	1,048/-
		(P.H.S.I.NO: 7, P/37)			
06		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/)			
	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 fxing M.S. Bail plug 5 ft long (P.H.S.I No;8 (b) P/43	2607/-	Each	2,607/-

## (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/-
				Total	2,93,735/-
		GROUP 'B' CONSTT: OF PUMP HOUSE			
01	178.00	(10'x12')	3176/25	P%0cft	565/-
	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)	5170/25	F 760CII	505/-
02	150.00 Cft	Cement concrete brick or stone ballast 1 <sup>1</sup> / <sub>2</sub> " 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	3127/41	P%sft	10,289/-
		R.C.C or plain cement concrete works of			
		deodar wood) 2nd class) (for partial			
		wood) Vertical)(G.S.I.NO;19, P/21)			
05	295.0 Cft	Pacca brick work in foundation and plinth	12346/65	P%cft	36,423/-
		in cement sand mortor(1:6)			
		(G.S.I.NO:4(e)P24)			
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 1/4" gauge.(G.S.I.NO;6(a)(i)P/19)	337/-	P/cft	35,190/-

(Cont: on page No:03)

Item	Quantity	(Page No:03) Description of Item to be executed at	Rate	Unit	Amount
No:	00	site	04	05	00
<b>1</b> 08	<b>02</b> 4.19 cwt	03 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)	<b>04</b> 5001/70	05 P/cwt	06 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 frame2"x2"x3/8" and <sup>3</sup> / <sub>4</sub> " 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 <sup>3</sup> / <sub>4</sub> " x <sup>1</sup> / <sub>4</sub> " 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	PAINTING NEW SURFACE. 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/-
				Total	2,21,572/-

turning and facing of flanged for all size   turning and facing of flanged for all size     06   1 No:   Reflex valve heavy pattern test pressure 300   1706/25   Each   1,706/     06   1 No:   Reflex valve heavy pattern test pressure 300   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   422/45   P/Rft   84,490/			(Page No:04)			
1     02     03     04     05     06       SUBMERSIBLE PUMPING SET.     SUBMERSIBLE PUMPING SET.     786000/-     P/Set     7,86,000/-       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 motor 10 HP (3x400vz pole) M.S Riser pipe 2//- x 35 Nos: M.S. Nipples 2/2' 01 No: M.S. Top set 2/4' 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 168 m drop cable 3x10mm 84 meter cable 168 m drop cable astolement not it (LY) 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)     9/Rtft     12,958/-       02     Providing laying jointing and testing G.I. Pipe 4' di a f aproved quality to be tested with pressure head 200'ft (P.H.S.M.INO:1 (iii) P/125)     431/93     P/Rtft     12,958/-       03     Manufacturing & supplying M.S. Flanged made out of M.S. Pipe specials (PHSI.NO:8, P/8)     1520/-     Each     9,120/-       04     21,00     C.I.Tapper flat bottomed or		Quantity	-	Rate	Unit	Amount
GROUP - C'     P/I/15     BHP     ELECTRIC       01     1 Set     Providing & installing position i/c transportation to the site of work at village Noorput Taluka Manjhand ground foss submersible Pump type HVP-17-13+10 HPX3400V2 pole capable to discharge 50 G.P.M. against a head of 415f. 10 HP ground fos motor setting depth 350/t HMA complete stainless steel submersible pump type HVP 17-13 Submersible motor 10 HP (3x400v2 pole) M.S Riser pipe 21// x 35 Nos: M.S. Nipples 21// 10 No: M.S. Top set 21// 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 compilete pumping set against the required head for 72 hours etc: complete (Non schedule item)     P/Rft     12,958/-       03     Manufacturing & supplying M.S. Flanged made out of M.S. Pipe specials (PHSLNO,8, P/8)     1520/-     Each     9,120/-       04     21.00 Kg;     C.I.Tapper flat bottomed or central tapered flange end/tees bend with holes i/c turing and facing of ral size (P.H.S.(M)H.P, P/11)     1520/-     Each     9,120/-       05     38.0 Kg;     C.I.Tapper flat bottomed or central tapered flange end/tees bend with holes i/c turing and facing of flange for all size (P.H.S.(M)H.P, P/11)     120/-     P/Kg;     2,520/-		00			05	00
SUBMERSIBLE PUMPING SET.     786000/-       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 motor 10 HP (3x400v2 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)       02     Providing laying jointing and testing G.I. Pipe 4' dia of aproved quality to be tested with pressure head 2001ft (P.H.S.M.INO1 (iii) P/125)     431/93     P/Rft     12,958/- 4.502/- 2.520/- ft ange end/tees bed with holes i/c traing of flange for all size (P.H.S.(M)H.P.(P11)       03     Manufacturing & supplying M.S. Flanged made out of M.S. Pipe specials (PHSI.NO3, P/8)     120/- P/Kg:     2,520/- ft ago end/tees bed with holes i/c traing and facing of flanged for all size (P.H.S.(M)H.P.(P11)     120/- P/Kg:     2,520/- ft ago end/tees bed with holes i/c traing and facing of flanged for all size (P.H.S.(M)H.P.(P11)     120/- P/Kg:     4,560/ 4.560/ 2.520/- ft ago flange for all size (	1	02		04	05	06
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 HPR3x400v 2 pole capable to discharge 50 G.P.M. against a head of 415ft 10 HP ground fos motor setting depth 350'fl HMA complete stainless steel submersible pump type HVP 17-13 Submersible motor 10 HP (3x400vz 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)   P/Rft   12,958/- 431/93     02   Providing laying jointing and testing G.I. Pipe 4" dia of approved quality to be tested with pressure head 2001t (P.H.S.M.I.NO,1 (iii) P/125)   431/93   P/Rft   12,958/- 9,120/- 64     03   Manufacturing & supplying M.S. Flanged made out of M.S. Piate 3/8" thick sheet etc: complete. (M.S.Pipe special (PFIS.IN.N.R. P/8)   1520/- 8,2520/- 64   Each   9,120/- 9,120/- 9,120/- 9,120/- 104     04   21,00 Kg;   C.I.Tapper flat bottomed or central tapered flange of flange for all size (P.H.S.(M)-B, P/11)   120/- 106   P/Kg;   2,520/- 106     05   38.0 Kg;   C.I.Bend/kees with flanges and						
1   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)     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.NQ;1 (iii) P/125)   431/93   P/Rft   12,958/-     03   Manufacturing & supplying M.S. Flanged made out of M.S. Piles 3/8° thick sheet etc: complete. (M.S.Pipe specials (PHSI.NO;8, P/8)   1520/-   Each   9,120/-     04   21.00   C.I. Tapper flat bottomed or central tapered flaring of flange for all size (P.H.S.(M)-I, P/11)   1520/-   Each   9,120/-     05   38.0 Kg:   C.I. Bend/tees with flanges and with holes //c turring and facing of flange for all size (P.H.S.(M)-6, P/10)   1706/25   Each   1,706/	01	1 Sot		786000/-	P/Sot	7 86 000/-
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 (3x400vz 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-metar 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)       02     Providing laying jointing and testing G.I. Pipe 4" dia of approved quality to be tested with pressure head 200ft (P.H.S.M.I.NO;1 (iii) P/125)     431/93     P/Rtt     12,958/- 9,120/- 1706/25     Each     9,120/- 9/Kg: 4,560/ 120/- 1706/25       05     38.0 Kg: 1.1.Bend/tess with flanges and with holes /c 120/- 120	01	1 000	5 5 I	100000/-	1/061	7,00,000/-
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. Nois M.S. Nipples 2½" of 1N c: 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 numping set against     the required head for 72 hours etc:     complete (Non schedule item)     02   Providing laying jointing and testing G1. Pipe     4" dia of approved quality to be tested with     pressure head 200°ft     (P.H.S.M.INC;1 (iii) P/125)     30.0 Rti   4" di						
02     Providing all extension kit     PCR       02     Providing all extension kit     PCR       02     Providing all extension kit     PCR       03     Manufacturing as supplying M.S. Flanged made out of M.S. Pipes and with holesi/c turning and facing of flange for all size (P.H.S.(M)-1, Pr11)     V/Rg:       03     No. Right bottomed or contral size (P.H.S.(M)-1, Pr11)     1520/-     Each       04     21,00,00     R.S. Pipes and with holesi/c turning and facing of flange for all size (P.H.S.(M)-1, Pr11)     1706/25       05     38.0 Kg:     C.I.Short pice with flanges and with holesi/c turning and facing of flange for all size (P.H.S.(M)-1, Pr11)     1706/25     Each       04     10.0     Reflex with flanges and with holesi/c turning and facing of flange for all size (P.H.S.(M)-1, Pr11)     1706/25     Each       05     38.0 Kg:     C.I.Short pice (P.H.S.M.I.NO;9, P/9)     487/50     Each     1,706/ 48.48.49						
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)   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.INO;1 (iii) P/125)   30.0 Rft 4" dia   04 Anufacturing & 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)   05 38.0 Kg; C.I.Tapper flat bottomed or central tapered fange end/tees with flanges and with holes i/c timing and facing of flange for all size (P.H.S.(M)H-8, P/11)   05 38.0 Kg; C.I.Bend/tees with flanges and with holes i/c timing and facing of flange for all size (P.H.S.(M)H-8, P/11)   06 1 No: C.I.Short piece (P.H.S.M.I.NO;9, P./9) 487/50 Each 1,706/ bs/sg; inch in pionited (P.H.S.(M)H-6, P/10)   06 1 No: C.I. Short piece (P.H.S.M.I.NO;9, P./9) 487/50 Each 4,86/ 0						
complete     stainless     steel     submersible pump type HVP 17-13     Submersible type HVP 17-13			5			
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)   02 Providing laving jointing and testing G.I. Pipe 4" dia of approved quality to be tested with pressure head 200°ft (P:H.S.M.INO;1 (iii) P/125)   30.0 Rft 4" dia   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)   04 21.00 Kg; targe end/tees bend with holesi/c turning and facing of flange for all size (P.H.S.(M)I-1, P/11) 1520/- Each 9,120/-   04 1 No: Reflex valve heavy pattern test pressure 300 (P:H.S.(M)I-8, P/10) 1706/25 Each 1,706/ lbs/sq; inch in pointed (P.H.S.(M)I-8, P/10)   06 1 No: Reflex valve heavy pattern test pressure 300 (P.H.S.(M)I-8, P/10) 1706/25 Each 1,706/ lbs/sq; inch in pointed (P.H.S.(M)I-8, P/10)   06 1 No: C.I. Short piece (P.H.S.M.I.NO:9, P./9) 487/50 Each 4,8490/			<b>a</b>			
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 l/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)     02     Providing laying jointing and testing G.I. Pipe     4" dia of approved quality to be tested with     pressure head 200ft     (P-H.S.MI.NO;1 (iii) P/125)     30.0 Rft   4" dia     41 dia   1520/-     Each   9,120/-     04   21.00     Kfg:   C.I.Tapper flat bottomed or central tapered     flange end/tees bend with holesi/c turning and     flange of all size			•			
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)     02   Providing laying jointing and testing G.I. Pipe 4" dia of approved quality to be tested with pressure head 200ft (P.H.S.M.I.NO;1 (iii) P/125)   431/93   P/Rft   12,958/-     03   Manufacturing & supplying M.S. Flanged made out of M.S. Plate 38" thick sheet etc: complete. (M.S.Pipe specials (PHSI.NO;8, P/8)   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;   4,560/     05   38.0 Kg;   C.I.Bend/tees with flanges and with holes i/c turning and facing of flange 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)I-8, P/10)   1706/25   Each   1,706/     07   1 No:   C.I. Short piece (P.H.S.M.I.NO;9, P./9)						
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)     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     12,0/- Kg;   C.I.Tapper flat bottomed or central tapered flange on all size (P.H.S.(M)-1, P/11)     05   38.0 Kg:   C.I.Tapper flat bottomed or central tapered flange of flange for all size (P.H.S.(M)-1, P/11)     06   1 No:   Reflex valve heavy pattern test pressure 300 lbs/sq; inch in pointed (P.H.S.(M)-8, P/10)   120/- P/Kg:   P/Kg:     06   1 No:   C.I. Short piece (P.H.S.M.I.NO;9, P./9)   487/50   Each   1,706/ Bs/sq; inch in pointed (P.H.S.(M)-6, P/10)     06   1 No:   C.I. Short piece (P.H.S.M.I.NO;9, P./9)   487/50   Each   1,706/ Bs/sq; inch in pointed (P.H.S.(M)-6, P/10)						
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)     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)     04   21,00 Kg;   C.I.Tapper flat bottomed or central tapered flange end/tees bend with holesi/c turning and facing of flange tor 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 Ibs/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/						
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)     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 Rtt   4" dia     03   Manufacturing & supplying M.S. Flanged made out of M.S. Plate 38" thick sheet etc: complete. (M.S.Piae specials (PHSI.NO;8, P/8)     04   21.00 Kg;   C.I.Tapper flat bottomed or central tapered flaring 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)   1706/25   Each   1,706/     06   1 No:   Reflex valve heavy pattern test pressure 300 (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   484,80/     08   200.0 Rtl </td <td></td> <td></td> <td>· · · · · ·</td> <td></td> <td></td> <td></td>			· · · · · ·			
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)     02   Providing laying jointing and testing G.I. Pipe 4" dia of approved quality to be tested with pressure head 200°tt (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)     04   21,00     C.I.Tapper flat bottomed or central tapered Kg; flange end/tees bend with holesi/c turning and facing of flange for all size (P.H.S.(M)I-1, P/11)     05   38.0 Kg; c.C.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)     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/ Bs/sq: inch in pointed (P.H.S.(M-6, P/10)     07   1 No: 200.0 Rft   Providing & Laying (Main or sub main) PVC   422/45   P/Rft   84,490/						
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     and making necessary arrangement for   testing of complete pumping set against   the required head for 72 hours etc:     complete (Non schedule item)   complete (Non schedule item)   complete (Non schedule item)   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)   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)   9,120/-     04   21,00   C.I.Tapper flat bottomed or central tapered flange end/tees bend with holesi/c turning and facing of flange for all size (P.H.S.(M)I-R, P/11)   120/-   P/Kg:   4,560/     05   38.0 Kg:   C.I.Bend/tees with flanges and with holes i/c turning and facing of flange 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   1706/25   Each   1,706/    05// B/			unite consist of metallic box circuit breaker			
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)     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 Rtt   4" dia     4" dia   431/93     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)     04   21.00 Kg;   C.I.Tapper flat bottomed or central tapered flange end/tees bend with holesi/c turning and facing of flange for all size (P.H.S.(M)I-8, P/11)   120/-   P/Kg:   2,520/-     05   38.0 Kg:   C.I.Bendrtees with flanges and with holes i/c turning and facing of flange 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 Rtf   Providing & Laying (Main or sub main) PVC   422/45   P/Rtft   84,490/						
01   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)     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     4" dia   431/93     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)     04   21.00     Kg;   C.I.Tapper flat bottomed or central tapered flange end/tees bend with holesi/c turning and facing of flange for all size (P.H.S.(M)I-1, P/11)     05   38.0 Kg:   C.I.Bend/tees with flanges and with holes i/c turning and facing of flange for all size (P.H.S.(M)I-6, P/10)     06   1 No:   Reflex valve heavy pattern test pressure 300   1706/25   Each   1,706/     07   1 No:   C.I.Short piece (P.H.S.M.I.NO;9, P./9)   487/50   Each   484/90/     08   200.0 Rtt   Providing & Laying (Main or sub main) PVC   422/45   P/Rtt   84,490/						
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(P.H.Š.(M)I-8, P/11)     (P.H.Š.(M)I-8, P/11)       06     1 No:     Reflex valve heavy pattern test pressure 300     1706/25     Each     1,706/       06     1 No:     Reflex valve heavy pattern test pressure 300     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     422/45     P/Rft     84,490/	05	38.0 Kg:	C.I.Bend/tees with flanges and with holes i/c	120/-	P/Kg:	4,560/-
06     1 No:     Reflex value 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     422/45     P/Rft     84,490/						
Ibs/sq: inch in pointed (P.H.S(M) -6, P/10)     Ibs/sq: inch in pointed       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     422/45     P/Rft     84,490/	06	1 No:		1706/25	Fach	1 706/-
(P.H.S(M) -6, P/10)     Providing & 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     422/45     P/Rft     84,490/	00	1110.	• •	1100/20		1,700/-
08 200.0 Rft Providing & Laying (Main or sub main) PVC 422/45 P/Rft 84,490/			(P.H.S(M) -6, P/10)			
						488/-
	08	200.0 Rft		422/45	P/Rft	84,490/-
insulated & PVC Sheet with 4 core copper conductor 600/1000 volts size 16 mm2						
(E.S.I.NO;102, P/12)						

•.		(Page No:05)			
ltem 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
				Total	9,13,458/-
01	13388.00 Cft	<b>GROUP 'D' P/L/J/ &amp; Testing P.E. Pipe</b> 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) 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	3900/-	P%0cft	52,211/-
	1700.0	of 61 meter or 200'ft.(P.H.S.I.NO;1, P/92) 6" DIA	262/-	P/Rft	4,45,400/-
03	Rft	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/-

		(Page No:06)			
ltem 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 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/-
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 $2\frac{1}{2}x2\frac{1}{2}$ " (750x750mm) inside dimension $4\frac{1}{2}$ "(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 masonary 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 $\frac{1}{2}$ " (12.5mm) thick cement plaster 1:3 to all inside wall surface and to top i/c providing and fixing M.S. foot beyond $2\frac{1}{2}$ " depth curring excavation back filling and disposal of surplus earth etc; complete (P.H.S.I.NO:1, P/49)	18820/-	Each	18,820/-

(Cont: on page No:07)

	(Page No:07)				
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/-
				Total	7,15,845/-

## <u>A B S T R A C T</u>

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

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) Des	cription and rate of item based on Composite schedule of Rates
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(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		
		GROUP 'A' CONSTRUCTION OF STORAGE TANK					
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 blesting 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/-		

Item	Quantity	(Page No:02) Description of Item to be executed at	Rate	Unit	Amount
No:	Quantity	site	Nale	Onit	Amount
01	02	03	04	05	06
04	3190.0 Cft	Cement concrete brick or stone ballast 1 <sup>1</sup> / <sub>2</sub> " 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 <sup>3</sup> / <sub>4</sub> " 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/-
				Total	17,54,598/-
		SUMP WELL			
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/-

		(Page No:03)			
ltem	Quantity	Description of Item to be executed at	Rate	Unit	Amount
No:	02	site	04	05	06
<b>01</b> 03	02 176.62 Cft	03 Excavation for tanks and reservoirs in soft rocky by hammering and chi setting where blesting 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	<b>04</b> 10170/-	<b>05</b> P%0cft	<b>06</b> 1,796/-
		required lift upto 5'ft (1.52m) and lead upto			
	44.15 Cft	one chain (30.50mm) (P.H.S.I.NO;6, P/70) Add: for additional lift.	550/-	P%0cft	24/-
04	22.07 Cft	Cement concrete brick or stone ballast 1 <sup>1</sup> / <sub>2</sub> " 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/-
				Total	59,853/-
01	252.00	INTER CONNECTION Excavation for pipe lines into trenches and	3900/-	P%0cft	983/-
	Cft	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)			

(Cont: on page No:04)

	(Page No:04)					
Item	Quantity	Description of Item to be executed at	Rate	Unit	Amount	
No:		site				
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/-	
				Total	61,818/-	
		GROUP 'B' CONSTT: OF PUMP HOUSE				
01	145.0 Cft	(10'x12') 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 1 <sup>1</sup> / <sub>2</sub> " 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/-	

		(Page No:05)			
ltem	Quantity	Description of Item to be executed at	Rate	Unit	Amount
No:		site		<b>A</b> E	
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 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 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 frame2"x2"x3/8" and <sup>3</sup> ⁄ <sub>4</sub> " 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 <sup>3</sup> / <sub>4</sub> " x <sup>1</sup> / <sub>4</sub> " 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/-
	1				I

(Page No:06)

ltem 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) <sup>1</sup> / <sub>2</sub> " 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	PAINTING NEW SURFACE 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/-
				Total	208,739/-
		GROUP 'C' CONSTRUCTION OF COMPOUND WALL.			
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 strikcing 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 <sup>1</sup> / <sub>4</sub> " gauge. (G.S.I.NO;6(i)P/16)	337/-	P/Cft	24,264/-

(Page No:07) ltem Description of Item to be executed at Unit Quantity Rate Amount No: site 02 01 03 04 05 06 07 5001/70 P/Cwt 14.455/-2.89 Cwt Fabrication of mild steel reinforcement for cement concrete including cutting bending laving in position making joints and fastenings including cost of bindina wire (also includes removal of rust from bars(G.S.I.NO;8(ii)P/17) 1,56,837/-08 6867.0 Cement plaster (1:4) upto 12'ft height 1/2" 2283/93 P%sft thick (G.S.I.NO;11(b) P/52) sft 09 72.00 Sft Making fixing steel grated door complete 726/72 P/Sft 52,324/with 1/16" thick sheeting Including angle iron frame 2"x2"x3'8| and 3/4" sq; bars 4" With locking centre to centre arrangement (G.S.I.NO;24, P/91) 10 6867.0 White washing (one coat) 416/63 P%sft 28,610/-Sft (G.S.I.NO;26, P/54) Colour washing (G.S.I.NO;25(b), P/54) P%sft 11 6867.0 859/90 59,049/-Sft 12 144.0 Sft Painting new surface preparing door and 2116/41 P%sft 3.048/windows surface and painting of any type i/c angle three coats)(GSI.NO;5( c )P/69) Total 11,37,627/-GROUP 'D' P/L/J/ & TESTING P.E. PIPE 6' DIA 01 Dismantling and removing road 605/-P%cft 91.884/-15187.50 (G.S.I.NO; 51,P/03) Cft 02 135.0 Cft Dismantling Cement concrete plain (1:2:4) 3327/50 P%cft 4,492/-(G.S.I.NO;19(a)P/10) 03 135.00 Dismantling cement concrete plain 1663/75 P%cft 2,246/-Cft (1:4:8)(G.S.INO;19( c)P/11) 04 51188.0 Excavation for pipe lines into trenches and 3600/-P%0cft 1,84,277/-Cft 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)

		(Page No:08)			
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	40.11	P.E. Specials 'B' Class test pressure 122 meter or 400'ft (S.O.P.H.(M) NO:B, P/47)	0.400/		44 700/
	12 Nos:	Elbow Bend 90 <sup>0</sup>	3480/-	Each	41,760/-
12	12 Nos:	Elbow Bend 45 <sup>°</sup> Air valve double acting 3"x1" ( Local)	2784/-	Each	33,408/-
		(S.M.I.NO;8, P/1)			
	16 Nos:	6" dia	4000/-	Each	64,000/-
13		Fire Hydrent 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 $2\frac{1}{2}x2\frac{1}{2}$ (750x750mm) inside dimension $4\frac{1}{2}$ (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 masonary 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 $\frac{1}{2}$ " (12.5mm) thick cement plaster 1:3 to all inside wall surface and to top i/c providing and fixing M.S. foot beyond $2\frac{1}{2}$ " 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/-

		(Page No;09)			
Item	Quantity	Description of Item to be executed at	Rate	Unit	Amount
No:		site			
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/-
				Total	1,76,78,815/-

### <u>ABSTRACT</u>

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		Rs: 2,08,739/-
(10'x12')		
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/-
	Total;	Rs:2,09,01,430/-

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