

## BILL OF QUANTITIES

**Name of work: Construction of Pipeline Work At.Village - Karoli, Ta.Kalol, Dist. Panchmahal.**

Item No.	Description of Item	Quantity	Unit	Rate In figures	Rate in Words	Amount
	<b>PUMP House</b>					
1	Excavation of pipeline trenches/foundation trenches in the strata shown below including depositing the excavated stuff as and where directed upto lead of 50 Mts. and 6.0 Mt lift of excavation below average G.L. including refilling, cleaning the site with thin jungle cutting but excluding dewatering if any. 0.0 to 1.50 Mt.	14.45	Cum	221.19	Rupees Two Hundred Twenty One And Paise Nineteen Only	3196.20
2	Providing and laying hand mixed and unvibrated plain cement concrete as under of different proportion for foundation lain in situ including temping smooth finishing,curring, and lead upto 50 Mt. Moreover, lift 1.5 Mt. Etc.complete.	1.76	Cum	4401.58	Rupees Four Thousand Four Hundred One And Paise Fifty Eight Only	7746.78
3 (A)	Providing B.B.Masonry IInd class using British size conventional bricks in cement mortar of prop. (1:6) for foundation plinth and super structure including striking out joints 20mm deep with curing finishing joints and providing scaffolding as directed with all leads and all lifts etc.completed. Up to plinth ( Conventional )	13.16	Cum	8460.77	Rupees Eight Thousand Four Hundred Sixty And Paise Seventy Seven Only	111343.73
3 (B)	Providing B.B.Masonry IInd class using British size conventional bricks in cement mortar of prop. (1:6) for foundation plinth and super structure including striking out joints 20mm deep with curing finishing joints and providing scaffolding as directed with all leads and all lifts etc.completed. for super structure ( Conventional )	11.49	Cum	8994.05	Rupees Eight Thousand Nine Hundred Ninety Four And Paise Five Only	103341.63
4	Filling in plinth with sand under floors including consolidating, watering, raming and dressing etc.complete.	6.32	Cum	882.74	Rupees Eight Hundred Eighty Two And Paise Seventy Four Only	5578.92
5	Providing and laying in position RCC as under proportion using cement sand and crushed aggregate (20 mm and under) for plinth course, lintels, slabs, beams, columns, chajja, lofts, barrels,etc. including cost of frame work providing and shuttering temping smooth finishing,curring as directed with all leads and lifts etc.complete. R.C.C 1 : 2 : 4	3.01	Cum	5784.27	Rupees Five Thousand Seven Hundred Eighty Four And Paise Twenty Seven Only	17410.65
6	Providing and fixing in position mild steel reinforcement or tor steel bars reinforcement as per detail drawing and design including cutting bending and binding in position with binding wires as directed with all leads and lifts etc.complete. TMT IS MARKED BAR FE 415	240.80	KG	64.64	Rupees Sixty Four And Paise Sixty Four Only	15565.31
7	Providing & fixing Steel Doors with angel 40 x 40 x 6 mm & 25 x 25 x 4 mm frame with shutter of 16 gauge plate as per approved drawing and design with two coats of approved oil paint with etc. Comp.	3.15	Sqmt	2600.75	Rupees Two Thousand Six Hundred And Paise Seventy Five Only	8192.36
8	Providing & fixing Steel Window with angel 40 x 40 x 6 mm & 25 x 25 x 4 mm frame with shutter of 16 gauge plate as per approved drawing and design with two coats of approved oil paint etc. Comp.	2.16	Sqmt	3754.17	Rupees Three Thousand Seven Hundred Fifty Four And Paise Seventeen Only	8109.01

9	Providing plaster of cement and sand in 1:3 proportion including preparing surface providing scaffolding,finishing curing as directed etc. complete. (15 mm thick)	148.96	Sqmt	175.74	Rupees One Hundred Seventy Five And Paise Seventy Four Only	26178.23
10	Extrta over item for finishing with a floting coat of neat cement slurry.	148.96	Sqmt	61.61	Rupees Sixty One And Paise Sixty One Only	9177.43
11	Providing and laying I.P.S. flooring of plain cement concrete 40 mm thick in proportion (1:2:4) using crushed aggregate (20mm and under)laid in situ over 120 mm thick B.B.C.C. (1:5:10) including temping, smooth finishing, curing, lining as directed with all leads and all lifts etc.complete.	14.05	Sqmt	488.84	Rupees Four Hundred Eighty Eight And Paise Eighty Four Only	6868.20
12	Providing white or colour wash in three coats including scaffolding, cleaning surface etc.complete.	148.96	Sqmt	15.15	Rupees Fifteen And Paise Fifteen Only	2256.74
13	Supplying & Fixing Road Sign Board of M S Plate & Angel Iron Incl Painting Lettering Etc Comp Incl Fixing in C C ( 1: 4 : 8 ) With necessary Excavation Etc Comp As per I R C Type Design (Non Reflective Type)	1.50	Sqmt	2410.87	Rupees Two Thousand Four Hundred Ten And Paise Eighty Seven Only	3616.31
14	Providing & fixing 45cm x 30 cm x 2.5 cm thick year plate of marble stone set in CM. 1:1 including finishing and engraving letter etc. Comp.	1.00	Sqmt	331.28	Rupees Three Hundred Thirty One And Paise Twenty Eight Only	331.28
15	Providing cement and sand vata (10 cm x 10 cm) size quarter around in cement mortar 1:1 prop. Including net cement finishing watering etc.complete.	20.20	Rmt	13.13	Rupees Thirteen And Paise Thirteen Only	265.23
16	Providing and fixing R.C.C. precast jali 40 mm thick for ventilator or of approved quality and design including fixing in position curing finishing as directed etc. complete.	0.54	Sqmt	501.97	Rupees Five Hundred One And Paise Ninety Seven Only	271.06
17	Providing and fitting Room Wiring confirming Is694 for PVC insulated Copper Wire 2.50 Sq.mm With Standard Accessories like PVC pipe Switches plug saddle etc.comp	5.00	Point	364.61	Rupees Three Hundred Sixty Four And Paise Sixty One Only	1823.05
18	Approved make CFL Retrofit 13/15/18 watt erected if required	3.00	No.	153.52	Rupees One Hundred Fifty Three And Paise Fifty Two Only	460.56
19	Providing & erecting Approved make Celing fan with double ball bearing ISI mark with condenser A.C 230V.550 c/S.1200 mm sweep complete canopy and 30 cm down rod erected on existing hook or clamp with 24/.2 3 core flexibale wire with earthing (make shall be approved by engineer in charge)	1.00	Each	1631.15	Rupees One Thousand Six Hundred Thirty One And Paise Fifteen Only	1631.15
20	Supplying and erecting mens certificate SOLAR STREET LIGHT fitting made from MS body power coated/ painted with corresion resistant paint with gasket & transparent cover with following cfl non retro lamp with choke holder & accessories fitting Sall be mounted on 75/80 mm B class GI pipe pole up to 5.5 mt load complete erected CC foundation duly painted with two coats of red oxide and corrosive resistant paint coml connected & commissioned in approved manner	2.00	Each	19876.80	Rupees Nineteen Thousand Eight Hundred Seventy Six And Paise Eighty Only	39753.60
	<b>RISING Main</b>					

1	Excavation of pipeline trenches/foundation trenches in the strata shown below including depositing the excavated stuff as and where directed upto lead of 50 Mts. and 6.0 Mt lift of excavation below average G.L. including refilling, cleaning the site with thin jungle cutting but excluding dewatering if any. All sort of soil 0.0 to 1.50 Mt.	2106.00	Cmt	221.19	Rupees Two Hundred Twenty One And Paise Nineteen Only	465826.14
2	Providing and jointing ISI marked M.S.pipe of required length with M.S.Flange of following dia by necessary cutting & welding works & laying the same in excavated trench of rising main, suction / delivery of pump motor after laying the flanged pipes joint with necessary nut bolt of required size by using rubber packing of required thickness after fitting M.S.Pipe. Paint the M.S. pipe with anticorrosive paint etc comp. (As per I.S. 3589/2001, 4270/2001, 1239/2004) 150 mm ( 5.40mm th.)	24.00	Rmt.	1990.71	Rupees One Thousand Nine Hundred Ninety And Paise Seventy One Only	47777.04
3	Providing Laying & jointing in standard length ISI Mark rigid unplasticised PVC pipes suitable for irrigation water with self fit joint incl. joining necessary fitting like Tee, Bend, Coupler, reducer, Endcap joining (CementSolvent ) of following class and dia as per IS specification No.4985 / 1988 etc. comp.(6kg) 250 mm dia (6 kg/cm <sup>2</sup> )	1800.00	Rmt.	1366.53	Rupees One Thousand Three Hundred Sixty Six And Paise Fifty Three Only	2459754.00
4.1	Providing and Fixing following class & dia of different type of valves as per IS with necessary fittings of standard design and specification incl. testing with all leads and lifts etc.complete. A) Air Valve (Double Acting) 50 mm dia.	2.00	No.	2903.75	Rupees Two Thousand Nine Hundred Three And Paise Seventy Five Only	5807.50
4.2	Providing and Fixing following class & dia of different type of valves as per IS with necessary fittings of standard design and specification incl. testing with all leads and lifts etc.complete. B) Sluice Valve 150 mm dia.	2.00	No.	6506.42	Rupees Six Thousand Five Hundred Six And Paise Forty Two Only	13012.84
4.3	Providing and Fixing following class & dia of different type of valves as per IS with necessary fittings of standard design and specification incl. testing with all leads and lifts etc.complete. B) Reflux Valve 150 mm dia.	2.00	No.	9022.33	Rupees Nine Thousand Twenty Two And Paise Thirty Three Only	18044.66
5	Providing & constructing air vent kundi etc completed.					
5.1	Excavation of pipeline trenches/foundation trenches in the strata shown below including depositing the excavated stuff as and where directed upto lead of 50 Mts. and 6.0 Mt lift of excavation below average G.L. including refilling, cleaning the site with thin jungle cutting but excluding dewatering if any. 0.0 to 1.50 Mt.	7.48	Cmt	221.19	Rupees Two Hundred Twenty One And Paise Nineteen Only	1654.50
5.2 (A)	Providing and laying hand mixed and unvibrated plain cement concrete as under of different proportion for foundation laid in situ including tamping smooth finishing, curing, and lead upto 50 Mt. Moreover, lift 1.5 Mt. etc.complete. (A) P.C.C. (1 : 3 : 6 )	1.16	Cmt	4401.58	Rupees Four Thousand Four Hundred One And Paise Fifty Eight Only	5105.83
5.2 (B)	(B) P.C.C. (1 : 2 : 4 )	2.36	Cmt	4726.80	Rupees Four Thousand Seven Hundred Twenty Six And Paise Eighty Only	11155.25
5.3	Providing laying & jointing PVC Pipe & Tee ( Moulded ) etc complete. FTA 110 mm	4.00	No.	121.20	Rupees One Hundred Twenty One And Paise Twenty Only	484.80

5.4	Providing and Fixing G.I.Pipe etc.complete. 80 mm Ø	8.00	Rmt.	631.25	Rupees Six Hundred Thirty One And Paise Twenty Five Only	5050.00
5.5	Providing and Fixing following class & dia of different type of valves as per IS with necessary fittings of standered design and specification incl. testing with all leads and lifts etc.complete. 80 mm dia	4.00	No.	4111.71	Rupees Four Thousand One Hundred Eleven And Paise Seventy One Only	16446.84
6	Supplying & fixing short bend out side coated with best quality bituminus paint having beweolled and plates or coil confirming to ISI 3589/ 2001 or its latest revision/ammendment for following thickness etc completed. Short Bend 150 mm dia.	8.00	No.	3478.44	Rupees Three Thousand Four Hundred Seventy Eight And Paise Forty Four Only	27827.52
	<b>JACK Well</b>					
1 (A)	Excavation of pipeline trenches/foundation trenches in the strata shown below including depositing the excavated stuff as and where directed upto lead of 50 Mts. and 6.0 Mt lift of excavation below average G.L. including refilling, cleaning the site with thin jungle cutting but excluding dewatering if any. ( A ) Soft Soil Up to 1.5	56.84	Cmt	221.19	Rupees Two Hundred Twenty One And Paise Nineteen Only	12572.44
1 (B)	( B ) Hard Murrum Up to 1.5	22.89	Cmt	386.83	Rupees Three Hundred Eighty Six And Paise Eighty Three Only	8854.54
1 (C-1)	( C ) Soft Rock 1.5 to 3.00	11.45	Cmt	552.47	Rupees Five Hundred Fifty Two And Paise Forty Seven Only	6325.78
1 (C-2)	Soft Rock 3.00 to 5.00	22.89	Cmt	662.56	Rupees Six Hundred Sixty Two And Paise Fifty Six Only	15166.00
1 (D-1)	(D) Hard Rock 3.00 to 5.00	22.89	Cmt	1006.97	Rupees One Thousand Six And Paise Ninety Seven Only	23049.54
1 (D-2)	Hard Rock 5.00 to 6.00	22.89	Cmt	1037.27	Rupees One Thousand Thirty Seven And Paise Twenty Seven Only	23743.11
1 (D-3)	Hard Rock 6.00 to 7.00	22.89	Cmt	1067.57	Rupees One Thousand Sixty Seven And Paise Fifty Seven Only	24436.68
1 (D-4)	Hard Rock 7.00 to 8.00	22.89	Cmt	1097.87	Rupees One Thousand Ninety Seven And Paise Eighty Seven Only	25130.24
2	Providing and laying hand mixed and unvibrated plain cement concrete as under of different proportion for foundation lain in situ including temping smooth finishing,curring, and lead upto 50 Mt. Moreover, lift 1.5 Mt. Etc.complete. P.C.C.1:2:4	1.45	Cmt	4726.80	Rupees Four Thousand Seven Hundred Twenty Six And Paise Eighty Only	6853.86

3	Providing and laying in position RCC as under proportion using cement sand and crushed aggregate (25 mm and under) for plinth course, lintels, slabs, beams, columns, chajja, lofts, barrels, etc. including cost of frame work providing and shuttering temping smooth finishing,curring as directed with all leads and lifts etc.complete. R.C.C.1:2:4	34.42	Cmt	5784.27	Rupees Five Thousand Seven Hundred Eighty Four And Paise Twenty Seven Only	199094.57
4	Providing and laying in position RCC as under proportion using cement sand and crushed aggregate (25 mm and under) for plinth course, lintels, slabs, beams, columns, chajja, lofts, barrels, etc. including cost of frame work providing and shuttering temping smooth finishing,curring as directed with all leads and lifts etc.complete. TMT IS MARKED BAR FE 415	2498.09	KG	64.64	Rupees Sixty Four And Paise Sixty Four Only	161476.54
5	Providing and fixing in position R.C.C. pipe of NP2 class are as per IS 458 1971 of following dia. with collar including caulking joints in cm.(1:1) using jute string soaked in cement slurry and finishing joints and laying pipe to the designed grade and levels including making connections with masonry chambers testing of pipe line as per design condition curing as directed with all leads and lifts etc.complete. 600 mm dia	5.00	Rmt.	1574.59	Rupees One Thousand Five Hundred Seventy Four And Paise Fifty Nine Only	7872.95
6	Dewatering by pumping set of require capacity including temporary plateform carting pumping at site and fixing the same position incl all accessories and fuel and labour etc. comp. ( 5.00 H.P.Engine ). Dewatering	150.00	HP/HR	185.54	Rupees One Hundred Eighty Five And Paise Fifty Four Only	27831.00
7	Providing and fixing 10mm diameter M.S.bars welded mesh Jali of cover over outlet pipe on coat of anticorrosive oil painting three coats etc.complete. Dewatering 10mm Dia M.S.Bars Welded mesh jali	1.13	Sqmt	1628.12	Rupees One Thousand Six Hundred Twenty Eight And Paise Twelve Only	1839.78
8	Providing & Fixing " u " steps fabricated out of 16 mm dia M S Bar As per Drawing & design including applying Two coats of Oil paint over one coat of anticorrosive paintetc.Comp. 16mm dia ' U " Steps	10.00	No.	97.97	Rupees Ninety Seven And Paise Ninety Seven Only	979.70
9	Providing and fabricating steel platforms on 4.50 Mt. R.C.C. jack well with walk way and railing around jack well including fabrication,errection work etc.complete..	32.75	Sqmt	6507.43	Rupees Six Thousand Five Hundred Seven And Paise Forty Three Only	213118.33
10	Diversion of water course/ Providing Coffor dam & Bound of Island as may be Necessary for foundation & Maintaining the same for the period as may be necessary etc.complete. ( A ) Diversion By Channel	1.00	Job	11615.00	Rupees Eleven Thousand Six Hundred Fifteen Only	11615.00
11	Providing Chain Pulley Block with Tripplr gear arrangement lifting hook ,load chain, hand chain & locking device with necessary mounting gurdy/structure,spur gear travelling trolley and all accessories ( 2.00 Toone Capacity) etc Complete.	1.00	Job	17574.00	Rupees Seventeen Thousand Five Hundred Seventy Four Only	17574.00
12.1	Providing and fabricating pump lowering arrangement on steel platform with pulley including fabrication, errection work etc. complete. M.S. PIPE 100 MM	10.50	Rmt.	1377.64	Rupees One Thousand Three Hundred Seventy Seven And Paise Sixty Four Only	14465.22

12.2	M.S. Angle 40x40x6 mm	0.0378	M.T.	38491.10	Rupees Thirty Eight Thousand Four Hundred Ninety One And Paise Ten Only	1454.96
	<b>PUMP and MOTOR</b>					
1	Providing and Fitting of Pumpset coupled with motor joining with all required Accessories like strainer,NRV Pannel Starter & Main switch with Cable of suitable Size of Approved make etc comp Polder Type Pump sets (H.P/Lps./Head. )	2.00	Set	173342.26	Rupees One Lakh(s) Seventy Three Thousand Three Hundred Forty Two And Paise Twenty Six Only	346684.52
1 (A)	Starter / Panel ( 11 to 15 H.P.)	2.00	No	15441.02	Rupees Fifteen Thousand Four Hundred Forty One And Paise Two Only	30882.04
1 (B)	Main Switch Rewireable T P type 63 amp	2.00	No	2097.03	Rupees Two Thousand Ninety Seven And Paise Three Only	4194.06
1 (C-1)	PVC insu.Copper Cable 10.00 Sq.mm	20.00	Mt.	424.53	Rupees Four Hundred Twenty Four And Paise Fifty Three Only	8490.60
1 (C-2)	PVC insu.Copper Cable 2.500 Sq.mm	200.00	Mt.	130.10	Rupees One Hundred Thirty And Paise Ten Only	26020.00
1 (D)	Capacitor 4.00 KVAR each.	12.00	KVAR	211.09	Rupees Two Hundred Eleven And Paise Nine Only	2533.08
1 (E)	M.S.Clamp 750x75x10mm	2.00	Pair	1117.06	Rupees One Thousand One Hundred Seventeen And Paise Six Only	2234.12
1 (F)	E L .C.B(Cat.III) 25 Amp.to 100Amp.	2.00	Each	4324.68	Rupees Four Thousand Three Hundred Twenty Four And Paise Sixty Eight Only	8649.36
1 (G)	Earthing for Pannel Board	2.00	Each	1681.05	Rupees One Thousand Six Hundred Eighty One And Paise Five Only	3362.10
				<b>Total::</b>		<b>4687568.48</b>

I/We am/are willing to carry out the work at...% above/below percent(Should be written in figures and words) of the estimated rate mentioned above. Amount of my /our tender works out as under.

Estimated amount put to tender  
Deduct.....% below  
Net  
In words

Estimated amount put to tender  
Add.....% Above  
Net  
In words