

**RAJPIPLA NAGARPALIKA, RAJPIPLA.****CONSTRUCTION OF MAN-MADE LAKE, RAJPIPLA****SCHEDULE- B**

Sr. No.	Qty	Item Description	Rate	Unit	Final Amount
<b>PART A</b>					
1	907.95	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	149.6719	Cum	135894.51
2	34.00	Boring holes 3.5 m deep in ordinary soil (for cast in situ piles) and getting out the soil and disposal of the surplus excavated soil as directed within a lead of 50 Meter for following diameter of pipes.(iii) 300 mm	1486.144	Cum	50528.91
3	34.00	Extra for under reaming inside the bore Holes for under reamed piles of following Diameter. (iii) 300 mm	632.4418	Cum	21503.02
4	17.01	Providing and laying cement concrete 1:4:8 (1- Cement : 4- coarse sand : 8- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	2640.21	Cum	44909.98
5	34.78	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (A) Foundations Footings Bases of Columns etc. and Mass concrete.	174.9825	Sqm	6085.19
6	26.08	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	4070.583	Cum	106168.94
7	267.56	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (C) Vertical surface such as walls (any thickness) partitions and the like including attached buttresses & string course & the like.	232.2495	Sqm	62140.68
8	45.80	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (B) Walls, from top of foundation level upto floor two level	4355.251	Cum	199491.41
9	175.80	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. height of propping and centering below supporting floor to ceiling not exceeding 4 M. and removal of the same for in situ reinforced concrete and plain concrete work in. (H) (1)	197.253	Sqm	34676.29

		Sides and soffits of Beams Beam Haunchings cantilevers Girders Bressumers and Lintels not exceeding 1 M. in Depth..			
10	49.46	Providing and laying controlled cement concrete M.250 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work in (C) Slabs,landing,shelves,Balconies, Lintels, Beams, Girders and Cantilever upto floor two level.	4331.203	Cum	214203.64
11	92.23	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete.	289.062	Cum	26660.77
12	16300.91	Providing and laying in position FE 500D TMT bar reinforcement including cutting, bending, hooking and tying complete as per detailed drawings for the following.(A) Piers (B) Abutments (C) R.C.C. Returns	76.2146	KG	1242367.24
13	13.05	Providing and laying controlled cement concrete M.200 and curing complete including the cost of formwork but excluding the cost of reinforcement for reinforced concrete work in (E) Staircases excluding landing upto floor two level	5235.951	Cum	68067.36
14	3306.71	Structural steel work ( Confirming to IS 4923-1997) riveted, bolted or welded in builtup for all type sections, in framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete as per the structural designs and directions of Engineer in charge.Column ( 122 x 61 x 3.6mm )	127.9468	kg	423083.22
15	720.00	Excavation for foundation for depth from 3.0 m to 5.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	174.225	Cum	125442.00
16	80.00	Providing and supplying D. I. K-9 grade pipes for following nominal bore diameter with internal cement mortarlining including all taxes, insurance, transportolion. freighl charges. oclroi, inspection charges. loading,unloading, conveyance to departmental stores. stocking etc. complete . (IS 8329-2000). Rote for DI pipe basedon Wholesale Price index of Pig Iron as 149.2 for the month of Jon-2022. For sewerage project cement mortor lining shall be with sulphate resistance cement	3690.54	Rmt	295243.20
17	80.00	Lowering, laying and jointing C. I. S & S Spun pipes suitable for Tyton joints/ Mortar lined D. I. Pipes of various classes with CI / MS specials of following diameters in proper position, grade and alignment as directed by Engineer-in-charge including hydraulic testing etc. comp.	156.55	Rmt	12524.00
18	40.00	Providing and supplying D. I. K-9 grade pipes for following nominal bore diameter with internal cement mortarlining including all taxes, insurance, transportolion. freighl charges. oclroi, inspection charges. loading,unloading, conveyance to departmental stores. stocking etc. complete . (IS 8329-2000). Rote for DI pipe basedon Wholesale Price index of Pig Iron as 149.2 for the month of Jon-2022. For sewerage project cement mortor lining shall be with sulphate resistance cement	10044.45	Rmt	401778.00
19	40.00	Lowering, laying and jointing C. I. S & S Spun pipes suitable for Tyton joints/ Mortar lined D. I. Pipes of various classes with CI / MS specials of following	408.04	Rmt	16321.60

		diameters in proper position, grade and alignment as directed by Engineer-in-charge including hydraulic testing etc. comp.			
20	2.00	Providing and supplying ISI mark CI D/F Butterfly Valves as per IS: 13095 (Latest Edition) of following class and diameter including all taxes, insurance, transportation, freight charges. octroi, inspection charges, loading,unloading, conveyance to departmental stores. stacking etc. complete.	16972.04	Nos	33944.08
21	2.00	Lowering, laying and jointing in position following C. I. / D/F Reflux valves, Butterfly valves, Sluice valves and Air valves including cost of all labour, jointing material,including nut bolts and giving satisfactory hydraulic testing , etc. complete.	1152.41	Nos	2304.82
22	1.00	Providing and supplying ISI mark CI D/F Butterfly Valves as per IS: 13095 (Latest Edition) of following class and diameter including all taxes, insurance, transportation, freight charges. octroi, inspection charges, loading,unloading, conveyance to departmental stores. stacking etc. complete.	51897.84	Rmt	51897.84
23	1.00	Lowering, laying and jointing in position following C. I. / D/F Reflux valves, Butterfly valves, Sluice valves and Air valves including cost of all labour, jointing material,including nut bolts and giving satisfactory hydraulic testing , etc. complete.	4006.67	Nos	4006.67
<b>PART B C. C. ROAD SURROUNDING LAKE</b>					
24	63.00	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(A) From Borrow pits within land width	206.141	Cum	12986.88
25	94.50	Providing and laying cement concrete 1:4:8 (1- Cement : 4- coarse sand : 8- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	2640.211	Cum	249499.91
<b>PART C</b>					
26	395.70	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete.	361.6406	Rmt	143101.19
27	153.21	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidlines of IRC : SP 63-2018 etc. Complete.	685.4163	Rmt	105012.63
28	24.32	Providing and laying cement concrete 1:4:8 (1- Cement : 4- coarse sand : 8- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	2640.211	Cum	64212.56
29	748.74	Providing and filling rubbles including hand packing and filling interstices with quarry spalls behind abutments and between returns as directed.	755.076	Sqm	565356.51
30	748.74	Labour charges for dry stone pitching of 22.5 cm. thick including preparing the surface etc complete.	310.2013	Sqm	232260.49
<b>PART-D BOREWELL</b>					

31	129.00	Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1.1.5 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick	976.7205	Smt	125996.94
32	90.00	Drilling of 250/325 MM dia bore hole in all strata including dual over burden strata by combination DR/DTH rig including lowering of 200/250 mm dia MS ERW pipes in bore hole as suggested by hydrologist in Saurashtra region.	1138.27	Rmt	102444.30
33	2.00	Supplying at Departmental store board approved make electrical motor driven submersible pump set confirming to I.S. 8034/198/ and motor Confirms to IS-9283-1979 Working at 3 Phase 400/440 Volt 50 c/s AC Supply & 2900 RPM for 6" DIA BORE WELL	43060.34	Nos	86120.68
34	365.00	Providing and supplying in standard length ISI mark rigid unplasticised PVC pipes suitable for potable water with ring fit joint including cost of rings, as per IS specification no. 4985/1988 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores and including cost of jointing material etc. complete.	275.73	Rmt	100641.45
35	273.75	Excavation for pipe line trenches for water supply, sewerage line, manhole etc. all with shoring and strutting if required as per required gradient and line including safety provisions using site rails and stacking excavated stuff including up to all required lead cleaning the site etc. complete for all lifts and strata as specified.	136.35	Cum	37325.81
36	147.68	Refilling the pipeline trenches incl. ramming, watering, consolidating desposal of surplus stuff as directed within a radius of 3 km.	22.22	Cum	3281.43
37	365.00	Lowering, laying, fixing and jointing PVC/uPVC/cPVC pipes and specials of following class and diameter including cost of conveyance from stores to site of works including cost of labour, material, cement solvent, giving satisfactory hydraulic testing as per ISI code.	19.19	Rmt	7004.35
38	10.00	PVC FITTING:- Providing and supplying at store or site of work incl. freight, loading, unloading, stacking, insurance & all taxes etc. complete	134.33	Nos	1343.30
39	5.00	PVC FITTING:- Providing and supplying at store or site of work incl. freight, loading, unloading, stacking, insurance & all taxes etc. complete	411.07	Nos	2055.35
40	10.00	PVC FITTING:- Providing and supplying at store or site of work incl. freight, loading, unloading, stacking, insurance & all taxes etc. complete	361.58	0	3615.80
		<b>Net Project cost for civil work (PART A+ B+C).</b>			<b>5421502.97</b>
		<b>Cost of Electrical work @ 5% of cost (D)</b>			<b>271076.00</b>
		<b>TOTAL (A+B+C+D)</b>			<b>5692578.97</b>