

Detail Estimate for proposed Construction of Intake Well													
The Rates of items are based on Schedule of rates (2018- Building Construction Departments): Rate of Unskilled Labour- 237.38 Rs/mandays/day : Rate of Skilled Labour- 327.81 Rs/mandays/day													
Intake Well (Inner- diameter: 15 ft, Outer- diameter: 18 ft, Depth: 23 ft including parapet height 2')													
S.No	Item No	Description of Work	Unit	Nos	L (Ft)	B (Ft)	H/D (Ft)	Total Quantity (Sqft/CFT)	In SqM/CM	Rate (Rs)	Amount (Rs)	Labour Cost (Rs)	Material Cost (Rs)
1	3.1.64 (SOR 2015)	Supplying labour and equipment for digging well vide classification of soil item-A including removing the spoils to a safe distance upto 50m from the edge of the well all complete as per specification and direction of E/I.											
		(A) E/W up to 3 metre depth below G.L. (Classification of soil item -A)	CM	1	3.14	121	9.84	3738.610	106.910	93.32	9976.84		
		(B) Extra for E/W for each subsequent lift of 1 mtr over the initial lift of 3 metre	CM	1	3.14	121	11.16	4240.130	118.560	102.83	12191.52	16906.28	5262.09
		(C) Extra for E/W in hard soil (Classification of soil item -B)	CM						NA				
2	5.1.7	Filling in foundation trenches in layers and plenth not exceeding 150 mm thick well watered, rammed, fully, compacted and fine dressed with earth obtained form excavation of foundation trenches within a lead of 50 m and lift of 1.5m all complete as per building specification and direction of e/i (Mode of measurement compacted volume)	CM	1	3.14	40	17	2135.200	61.190	39.82	2436.59	1686.51	750.07
3	5.1.10	Providing coarse clean sand in filling in foundation trenches or in plinth including ramming and watering in layers not exceeding 150mm thick with all leads and lifts including cost of all materials labour, royalty and taxes all complete as per building specification and direction of E/I (Mode of measurement compacted volume)	CM										
		In the Curb		1	3.14	24.8	0.25	19.429	0.551				
		In the Platform		1	3.14	115	0.25	90.275	2.559				
		In the sides of Irrigation Wall		1	3.14	40	5	628.000	17.800				

		Total							19.000	223.35	4243.65	1257.47	2986.18
4	5.6.3	Providing designation 75B on brick flat soling joints filled with local sand including cost of watering taxes royalty all complete as per building specification and direction of E/I.	Sq M										
		In the Curb		1	3.14	6		18.840	1.751				
		In the Platform		1	3.14	50		157.000	14.593				
		Total						0.000	17.530	231.26	4053.99	585.97	3468.02
5	3.1.68 (SOR 2015)	Supplying materials and labour for providing R.C.C. well curb (1:2:4) including centering and shuttering but excluding the cost of reinforcement all complete job as per specification and direction of E/I.	CM										
		In the Curb		1	51.81	1.5	1	77.715	2.27	5938.72	13480.89	2695.83	10785.07
6	5.3.2	Providing P.C.C M- 150 in nominal mix of (1:2:4) in foundation with approved quality of stone chips 20mm to 6 mm size graded and clean coarses sand of F.M 2.5 to 3 including screening shuttering mixing cement concrete in mixer and placing in position , vibrating , striking , curing , taxes and royalty all completed as per building specification and direction of E/I	CM										
		In the Platform		1	31.4	5	0.25	39.250	1.11				
		In the Curb		1	9.42	1.5	0.250	3.533	0.10				
		Total							1.20	5358.83	6430.60	1372.75	5057.85
7		Supplying materials and labour for providing following masonry work in cement mortar (1:6) in steining well of the well and in the parapet and well around in the platform including shuttering scaffolding if needed and providing adequate number of weep holes from bottom upto 4.5m below G.L. etc. all complete as per specification and direction of E/I.	CM										
		(A) In steining well											
	3.1.69	(i) Rough dressed stone masonry in C.M. (1:6)		1	3.14	24.8	20	1554.300	44.86	2048.55	91897.95	28565.43	63332.52

	(SOR 2015)	(ii) Brick work with designation 75B in cement mortar (1:6)											
		(iii) Brick work with designation class 75A in (1:6) cement mortar.											
		(B) Extra for each additional lift of 1m over the initial lift of 3m for masonry work.											
		(C) In parapet well and drai above G.L.											
		(i) Rough dressed stone masonry in cement mortar (1:6)											
		(ii) Brick work with designation 75B (1:6)		1	3.14	24.8	2	155.430	4.490	3501.13	15720.07	2811.39	12908.68
		(iii) '-- do -- do -- 75 A (1:6) in cement mortar											
8	3.1.71 (SOR 2015)	Supplying materials and labour for fixing 20mm dia M.S. bar steps in stening well of 0.3 m interval and staggered in (1:2:4) cement concrete including scaffolding and curing etc. all complete as per specification and direction of E/l.	each						15	169.27	2539.05	0.00	2539.05
9	3.1.72 (SOR 2015)	Supplying materials and labours for 12mm thick cement plaster(1:3) cement mortar with neat cement punning on parapet including scaffolding and curing etc. all complete job as per specification and direction of E/l.	Sq M										
		Outside Parapet Wall		2	3.14	18	2	226.286	21.033				
		On the Top Wall of Parapet		2	3.143	16.5	1.5	155.571	14.460				
		Inside Parapet Wall		2	3.143	15	2	188.571	17.528				
								66.540	161.32	10734.23	4450.33	6283.90	
10	5.5.5	Providing tor steel reinforcement of 8mm, 12mm dia bars as per approved design and drawing excluding carriage of bars to work site, cutting, bending and binding with annealed wire with cost of wire, removal of rust, placing the road in position as per building specification and direction of E/l. TMT Fe 500 (only valid for SAIL & TATA Steel, JSPL, Electro Steel Ltd. and Vizal Steel)	Per MT						0.204	63762.5	13007.55	1464.04	11543.52
11		Total (Rs)-A									186712.94	61795.99	124916.95
12		Add 12 % GST-B									22405.55	7415.52	14990.03

13	Minus 9.09% CP-C									16972.21	5617.26	11354.95
14	Carriage of Material-D									31753.00	0.00	31753.00
15	Sub Total (A+B-C+D)									223899.29	63594.26	160305.03
16	Contigency 1%									2238.99	635.94	1603.05
17	Grand Total									226138.28	64230.20	161908.09
	SAY									226138	64230	161908