

DETAILED ESTIMATE FOR THE PROPOSED CONSTRUCTION OF  
RAIN WATER HARVESTING (UNDER GROUND RECHARGE SOAKAGE PIT)

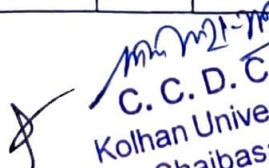
S. No.	Item of work	Nos.	Length	Width	Ht./width		Quantity
1	Earth work in excavation foundation						
	Trench for 200mm pipe	1	6.73	3.73	3.50	:	87.86
		2	20.00	0.60	0.60	:	14.40
							102.26
							<u>102.30 M3</u>
2	Providing clean coarse sand filling						
	in pit		19.00	0.60	0.08	:	0.86
	Trench for 200mm pipe	2	6.00	3.00	1.00	:	18.00
			20.00	0.60	0.08	:	0.90
							19.76
							<u>19.80 M3</u>
3	Providing brick flat soling						
			19.00	0.60		:	11.40
							<u>11.40 M2</u>
4	Providing P.c.C. (1:3:6)						
	Trench for 200mm pipe	2	19.00	0.60	0.15	:	1.71
			20.00	0.60	0.10	:	2.40
							4.11
							<u>4.10 M3</u>
5	Providing brick work in foundation						
			19.00	0.38	2.00	:	14.25
							<u>14.25 M3</u>
6	Providing and fixing perforated slab						
							<u>10 Nos.</u>
7	Providing stone boulder laying						
			6.00	3.00	0.50	:	9.00
							<u>9.00 M3</u>
8	Gravel filling						
			6.00	3.00	0.50	:	9.00
							<u>9.00 M3</u>
9	Perforated PVC pipe 150mm dia.						
			20.00	2.00		:	40 Mtr.
							<u>40 Mtr.</u>
10	Providing 2 nos. bore 150mm dia						
			2.00	15.00		:	30.00
							<u>30 Rmt.</u>
11	Providing ball plug 100mm dia						
							2.00
							<u>2 Nos.</u>

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ESTIMATE FOR THE PROPOSED CONSTRUCTION OF RECHARGE PIT

SI No	IT.NO.	ITEM OF WORK	UNIT	QTY.	RATE	AMOUNT
1	5.1.1	Earthwork in excavation in foundation trenches in ordinary soil (vide classification of soil item-A) and disposal of excavated earth as obtained to a distance upto 50 M. including all lifts, levelling, ramming the foudation trenches, removing roots of trees, shrubs all complete as per approved design, building specification and direction of E/I.	CUM	102.30	102.10	10444.83
2	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 complotacted volume).	CUM	19.80	228.47	4523.71
3	5.6.1	Providing designation 75 A one 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.	SQM	11.40	233.78	2665.09
4	5.3.3	Providing P.C.C.M - 100 with nominal mix of (1:3:6) in foundation with approved quality of stone metal grade-III (50mm to 25mm size) clean coarse 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 complete as per building specification and direction of E/I.	CUM	4.10	4188.87	17174.37
5	5.2.3	Providing designation 75 A brick work in C.M.(1 :6) in foundation & Plinth with approved quality of clean coarse sand of F.M. 2 to2.5 including providing 10 mm thick mortar joints cost of screening materials , scaffolding , raking out joints to 15mm depth curing, taxes and royalty all complete as per building specification and direction of E/I.	CUM	14.25	3921.08	55875.39
6	DSR 24.9	Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25 of size 1000X450X50mm reinforced with 8mm dia four nos longitudinal & 9 nos. cross sectional TMT hoop bars, including providing 50mm dia perforations @ 100 to 125mm c/c. including providing edge binding with M.S. flats of size 50mm X 1.6mm	EACH	10.00	960.20	9602.00

  
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S.NO.	ITEM OF WORK	UNIT	QTY.	RATE	AMOUNT	
DSR 24.5	Supplying, filling, spreading & levelling stone boulders of size range 5cm to 20c, in recharge pit in the required thickness for all leads & lifts all complete as per direction of Engineer-in-charge	CUM	9.00	504.15	4537.35 ✓	
8	DSR 24.6	Supplying, filling spreading & levelling gravels of size range 5mm to 10mm in the recharge pit over the existing layer of boulders in required thickness for all leads and lifts all complete as per direction of E/i.	CUM	9.00	910.65	8195.85 ✓
9	DSR 24.3	Supply, assembling, lowering and fixing in vertical position in borewell/recharge pit unplasticized PVC medium well casing (CM) pipe of required dia conforming to IS : 12818 including required hire and labour charges, fittings & accessories etc. all complete for all depths as per direction of Engineer in-charge				
	24.3.2	150mm nominal size dia	RMT	40.00	587.05	23482.00 ✓
10	It.No. 115	Costs of drilling 200mmX165mmX125mtr. Deep borewell in all kinds of soil and rock in rural area for installation of pump set with Hydraulic DTH rig machine, all complete including supplying all materials, tools, drilling rig, Air compressor and equipments, as well as fuel lubricants and cost of transportation of rig machine and other vehicles upto the site From 0-50 mtr.	RMT	30.00	838.94	25168.20 ✓
11	DSR 24.15	Providing and fixing ball plug/bottom plug of required dia to the bottom of pipe assembly of tubewell/recharge pit as per IS:2800(part 1) 150mm dia	EACH	2.00	242.65	485.30 ✓
				<b>Total</b>	<b>162154.09</b>	
12	<b>CARRIAGE OF MATERIALS (including C.P. 10%)</b>					
	a	Bricks (18+2K Katcha) 1K+7P	1000 nos	6200	772.93 <del>1265.43</del>	4792.17 <del>7845.67</del> ✓
	b	Coarse Sand (20 KM.) 10KM	CUM	27.00	338.58 <del>479.57</del>	9141.66 <del>12948.39</del> ✓
	c	Stone Chips 20 KM.) 22KM	CUM	7.00	504.18 <del>479.57</del>	3529.26 <del>3356.99</del> ✓
		<b>Total cost for one no. recharge pit</b>				<b>186305.13</b> ✓
						<b>179617.18</b> ✓
		FOR 2 NOS.				<b>372610.26</b> ✓

359,234.36

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Recharge bore well

MATERIALS STATEMENT

	ITEM OF WORK	QUANTITY in M3/M2	CEMENT		SAND		CHIPS		BRICKS	
			RATE	QTY.	RATE	QTY	RATE	QTY	RATE	QTY
1	SAND FILLING	19.80			1.00	19.80		0.00		0
2	PCC 1;2;4;	4.10	0.225	0.92	0.45	1.85	0.90	3.69		0
3	BRICK FLAT SOLING	11.40		0.00	0.016	0.18		0.00	32.26	368
5	RCC 1:1.5:3	3.40	0.225	0.77	0.45	1.53	0.90	3.06		
6	250MM BRICK WORK	14.25	0.036	0.51	0.219	3.12		0.00	406	5786
				2.20		26.48		6.75		6153
				62 BAGS						
				3 MT.	27.00 M3		7.00 M3		6200 Nos.	

*[Signature]*  
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