

BOQ			Date -		
Name of work - Rain Water Harvesting work at Rahuri Branch, Ahmednagar RBO					
Sr.No	Description of Items	Qty	Unit	Rate	Amount
<p>Rate should be inclusive of material,labour,tools, machinery, scaffolding, final disposal of debris ,cleaning cutting wastage etc. all taxes, transportation etc. complete. (Excluding GST) GST will be paid as Applicable at the time of payment of Bills. Contractor shall get all materials approved from Architect/ Bank before use it on site from approved make list also Contractor shall not use any material beyond approved make list. Contractor shall read all specifications carefully before quoting the rates and understand the scope of work. In case any discrepancy / interpretation Bank's decision will be final and binding to the contractor</p>					
1	Dismantling verycarefully the RCC Weather shade / slab/beam/ lintel/ plinth protection / paver block etc with or without plaster Rate including cutting of existing reinforcement bars etc complete for proper leveling / alignment.	3.00	CMT		
Rate in words-					
2	Dismantling C.I. or asbestos rain water pipe 100 mm dia with all fittings and clamps with necessary scaffolding if required for dismantling etc complete including stacking of useful materialswithin 100 metres lead and disposal of unservicable material in to municipal permitted dumps.	40.00	RMT		
Rate in words-					
3	Excavation work by mechanical means (Hydraulic excavator)/ manual means in all types of soil, including hard murum, for foundations of trench / pit , wall, columns, plinth beams etc. including dewatering, shoring strutting, dressing, bailing out water / pumping off water if required, refilling the trenches, foundatin pits, ramming, watering consolidating in 15 cms to 20 cms layers, removing, stacking and disposal the excavated stuff as directed within the site area upto a lead of 300 m and lift of 3M and / or spreading soils in layers for site development and consolidating as directed etc. complete. preparing the bed in gradient & alignment as per site rails for lowering, laying of pipe line including making provision for guarding trenches as per site condition for safety etc complete. Item also including refilling excavated material as applicable.	17.00	CMT		
Rate in words-					

Sr.No	Description of Items	Qty	Unit	Rate	Amount
3A	Disposable of moorum/ excavated material / building rubbish / malba / similar unservicable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead up to 10 km for all lifts, complete as per direction of Engineer- in - charge.	8.00	CMT		
	Rate in words-				
4	P/L PCC 1:5:10 FOR WALL FOUNDATION - BELOW AND ABOVE GROUND FLOOR ETC.	3.00	CMT		
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level				
	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources) for specified thickness, for foundaitons below walls, column footings, below floor ,Raft etc. including centering and shuttering if required, laying spreading, ramming, consolidating as per requirement and curing etc. complete as directed.				
	Rate in words-				
5	Providing and laying Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:	1.50	CMT		
	Cement mortar 1:6 (1 cement : 6 coarse sand) in proepr line level with proper finish & curing etc complete.				
	Rate in words-				
6	Constructing masonry Chamber 60x60x75 cm, inside in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for rain water harvesting chamber and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand:10 graded stone aggregate 40 mm nominal size) and inside (sunla finish) and outside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design. Item also including provision of CI grating /screen heavy type to prevent clogging of pipe	12	No		
	Rate in words-				

Sr.No	Description of Items	Qty	Unit	Rate	Amount
7	Providing and fixing in position steel fiber reinforced concrete (SFRC) frame and cover having concrete of strength not less than M-25 of approved make including loading, unloading, transportation all taxes etc complete with necessary lifting arrangement. Size- 600 mm X 600 mm	12.00	No		
	Rate in words-				
8	Providing and fabricating structural steel work in rolled sections, fixed with connecting plates or angle or angle cleats in main and cross beams, hip and jack rafters, purlins connecting to truss members and the like, as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position, making riveted/ bolted / welded connections and one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade complete.	0.150	MT		
	Rate in words-				
8A	MS Reinforcement	20.00	KG		
	Supplying Providing Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	Mild steel and Medium Tensile steel bars				
	Rate in words-				
9	Providing & laying / fixing unplasticized PVC pipe conforming to IS13592 type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. including required hire and labour charges, concealed / open in the structure as per details and requirement with necessary specials such as Y-2, T-2, offset, plugs, bends, elbow, bend, shoe, Tee with door, coupler, end cap for drain out waste material, union, clamp etc complete and filling the joints with approved adhesive including cutting of wall floor and making good after the work is cover, necessary scaffolding a required etc. for all depths, as per direction of Engineer in-charge. <b>Pipe shall be Supreme/astrol / Prince make.</b> at all levels.				
9a	For 110 mm dia pipe	57.00	RMT		
	Rate in words-				
9b	For 150 mm dia pipe	50.00	RMT		
	Rate in words-				

Sr.No	Description of Items	Qty	Unit	Rate	Amount
10	Boring / drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, permission required from local authorities all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level. Certificate from Bore well depth certificate has to submit during final bill submission.				
	Rocky strata including Boulders				
	300 mm dia	30.00	RMT		
	Rate in words-				
11	Supplying, assembling, lowering and fixing in vertical position in bore well, 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				
	110 mm nominal size dia	30.00	RMT		
	Rate in words-				
12	Providing & making pit for rainwater harvesting with the necessary supplying, filling / spreading / levelling of layers of stone boulders, shingle, metal, sand with laying these layers filling in the gaps of soling by shingle sand etc complete as per direction of Engineer-in-charge ( approximate size 2x2x3 Mtr)				
12a	Providing & laying <b>PCC 1:5:10</b> (3") before laying brickwork with proper finish including formwork etc complete.	0.5	CMT		
	Rate in words-				
12b	Providing & laying <b>230 mm thick brickwork</b> in CM1:6 in proepr line level with proper finish & curing etc complete.	4.75	CMT		
	Rate in words-				
12c	P/A 12MM THICK FINISH CEMENT PLASTER ON NEW WALL				
	Providing and applying 12mm thick finish cement plaster at all heights and below plinth in 1:4 cement mortar to the walls, beams, ceiling, stair, column, pattias, grooves including scaffolding, curing & finishing smooth. The plaster surface shall be rubbed with 'Iron plate" till the surfae shows cement paste in line and	22.00	SMT		
	Rate in words-				

<b>Sr.No</b>	<b>Description of Items</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
12d	Providing & laying stone rubble/ boulders <b>soling</b> as a initial layer inside rain water harvesting pit. Size shall be as per instructions of Engineer-in- charge.	4.00	CMT		
	Rate in words-				
12e	Providing & laying a layer of <b>shingle</b> with proper spreading etc complete. Size shall be as per instructions of Engineer-in- charge.	3.00	CMT		
	Rate in words				
12f	Providing & laying a <b>layer of 1 1/2" - 2" metal</b> with spreading etc complete.	3.00	CMT		
	Rate in words-				
12g	Providing & laying a <b>layer of coarse river sand</b> on top with spreading etc complete.	3.00	CMT		
	Rate in words-				
13	Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of different sizes with 50 mm thk, reinforced with 8 mm dia @ 100 mm C/C longitudinal & cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50 mm x 1.6 mm complete, all as per direction of Engineer in-charge.	4.00	SMT		
	Rate in words-				
				<b>Total</b>	
	<b>Final Total Amount in word-</b>				
	<b>Please Note - GST extra as applicable</b>				