COMPARATIVE STATEMENT SHOWING THE RATES OF DIFFERENT PRE CIRCLES FOR THE YEAR 2012-13 PERTAINING TO WATER SUPPLY Rates Rates Worked Worked Mangalo Gulbarga Davangere Mysore Dharwad Belo Out for Out for % age SI. No. Unit Specifications 2011-12 2012-13 Increase re Circle Circle Circle Circle Circle Ci (Bangalo (Bangalo re Circle) re Circle) 5 1 2 3 4 6 7 8 9 10 11 Chapter -1 **EARTH WORK** Earth work excavation for foundation and removing the excavated stuff to a distance not exceeding 50 mtrs and with a lift upto 1.50 mtrs. Including shoring, 1.1 strutting, barricading, danger lighting etc., complete - By Manual Means. In Ordinary Soil Cum 132.00 123.00 -6.82 123.00 123.00 123.00 123.00 123.00 1.1.1 In Hard Soil 1.1.2 Cum 184.00 171.00 -7.07 171.00 171.00 171.00 171.00 171.00 395.00 1.1.3 In Ordinary rock without blasting Cum 424.00 395.00 -6.84 395.00 395.00 395.00 395.00 In Hard rock with blasting 429.00 409.00 -4.66 415.00 410.00 420.00 409.00 409.00 1.1.4 Cum 1.1.5 In Hard rock by chiselling and Wedging (Where blasting is prohibited) Cum 884.00 820.00 820.00 820.00 820.00 -7.24 820.00 820.00 1.1.6 In Marshy soil Cum 343.00 319.00 -7.00 319.00 319.00 319.00 319.00 319.00 Earthwork excavation for pipeline trenches including depositing on bank upto a lead of 50 mtrs. Including shoring and strutting, danger lighting and using sight 1.2 rails and boning rods at every 100 mtrs. Wherever necessary as directed in the following strata etc., complete- By Manual Means. In Ordinary soil Cum 145.00 135.00 -6.90 136.00 135.00 135.00 135.00 135.00 1.2.1 1.2.2 In hard soil Cum 202.00 188.00 188.00 188.00 188.00 188.00 -6.93 188.00 436.00 435.00 434.00 466.00 -6.44 434.00 434.00 435.00 In Orinary rock without blasting 1.2.3 Cum 472.00 450.00 457.00 457.00 462.00 450.00 1.2.4 In Hard rock with blasting -4.66 450.00 Cum In Hard rock by chiselling and Wedging 972.00 902.00 902.00 902.00 902.00 1.2.5 Cum -7.20 902.00 902.00 351.00 1.2.6 In Marshy soil Cum 377.00 351.00 -6.90 351.00 351.00 351.00 351.00 Earth work excavation for foundation of structure as per drawing and technical specification, including setting out, construction of shoring and bracing, removal 1.3 of stumps and other deleterious matter, dressing of sides and bottom, back filling the excavation earth to the extent required and utilising the remaining earth locally for the work etc., complete - By Mechanical Means 30.00 1.3.1 In Ordinary soil /hard soil Cum 30.00 30.00 0.00 30.00 30.00 30.00 30.00 1.3.2 In Orinary rock without blasting Cum 40.00 40.00 0.00 40.00 40.00 40.00 40.00 40.00 508.00 500.00 -1.57 506.00 501.00 483.00 500.00 500.00 1.3.3 In Hard rock with blasting Cum 1.3.4 In Marshy soil 140.00 136.00 -2.86 229.00 276.00 198.00 135.00 229.00 Cum Earth work in excavatin for water Supply & Sanitary lines, Electricl conduits either in pits or trenches (upto 600mm Trench width) as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, back filling 1.4 the excavation earth to the extent required and utilising the remaining earth locally for the work in the following classifications etc., complete - By Mechanical Means 1.4.1 In Ordinary soil /hard soil Cum 45.00 45.00 0.00 45.00 45.00 45.00 45.00 45.00 1.4.2 In Orinary rock without blasting Cum 60.00 60.00 60.00 60.00 0.00 60.00 60.00 60.00

gaum ircle	Bellary Circle	Remarks
12	13	14
12	15	14
123.00	123.00	
171.00	171.00	
395.00	395.00	
410.00	415.00	Belgaum Circle is higher than other Circles. Due to Variation of Materials Rate
820.00	820.00	
290.00	319.00	
135.00	135.00	
188.00	188.00	
435.00	434.00	Materials Rate
451.00	457.00	Belgaum Circle is higher than other Circles. Due to Variation of Materials Rate
902.00	902.00	
319.00	351.00	
	00.00	
30.00	<u>30.00</u> 40.00	
40.00	40.00	Davangere Circle is lower than
500.00	506.00	other Circles. Due to
229.00	229.00	Bangalore Circle is lower than other Circles. Due to variation in Gravel Rates
45.00 59.00	45.00	
JA'00	00.00	

SI. No.	Specifications	Unit		,	Increase	re Circle	Circle	Davangere Circle	Circle	Circle	Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.4.3	In Hard rock with blasting	Cum	762.00	750.00	-1.57	759.00	751.00	724.00	750.00	750.00	750.00	759.00	Belgaum Circle is higher than other Circles. Due to Variation of Materials Rate
1.4.4	In Marshy soil	Cum	210.00	204.00	-2.86	344.00	414.00	297.00	202.00	351.00	327.00	344.00	Bangalore Circle is the lower than other Circle. Due to variation in Gravel Rates
1.5	Earth work in excavatin for water Supply & Sanitary lines, Electricl conduits either in pits or trenches (for Trenches from 601mm to 1500mm width) as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, back filling the excavation earth to the extent required and utilising the remaining earth locally for the work in the following classifications etc., complete - By Mechanical Means												
1.5.1	In Ordinary soil /hard soil- (Depth upto 3m)	Cum	38.00	38.00		38.00			38.00	38.00		38.00	
1.5.2	In Ordinary rock without blasting	Cum	50.00	50.00	0.00	50.00	50.00	50.00	50.00	50.00	49.00	50.00	
1.5.3	In Hard rock with blasting	Cum	635.00	625.00	-1.57	633.00	626.00	604.00	625.00	625.00	625.00	633.00	Belgaum Circle is higher than other Circles. Due to Variation in Materials Rate
1.5.4	In Marshy soil	Cum	175.00	170.00	-2.86	286.00	345.00	247.00	169.00	293.00	247.00	286.00	Bangalore Circle is lower than other Circles. Due to variation in Gravel Rates
1.6	Refilling the basement and pipeline trenches with selected available earth from trench excavation including watering, Consolidation in layers of 15 cm thick including disposing of the surplus earth with a lead of 200 meters etc., complete.	Cum	65.00	61.00	-6.15	61.00	61.00	61.00	61.00	61.00	61.00	61.00	
1.7	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the following classification etc., complete.	Cum											
	Cutting macadam road	Cum	187.00						174.00	174.00		174.00	
	Cutting Asphalt surface road	Cum	242.00						225.00	225.00	225.00	225.00	
1.7.3	Cutting Cement Concrete road	Cum	485.00	451.00	-7.01	451.00	451.00	451.00	451.00	451.00	451.00	451.00	
1.8	Removing stone pavement and resetting the same including handling and stacking etc., complete	Cum	121.00	113.00	-6.61	113.00	113.00	113.00	113.00	113.00	113.00	113.00	
1.9	Providing murrum or sand bedding for the pipeline including watering and consolidation by punners etc. complete with all lead and lift. (in black cotton soil and rock reaches) etc., complete.	Cum	79.00	79.00	0.00	238.00	317.00	213.00	78.00	330.00	238.00	238.00	Bangalore Circle is the lower than other Circle. Due to variation in Gravel Rates
1.10	Filling in foundation with sand and boulders of size 10 cms and below of approved quality including watering, hand packing and wedging with all lead & lift etc., complete.	Cum	733.00	727.00	-0.82	550.00	796.00	682.00	727.00	613.00	610.00	550.00	Gulbarga Circle is the higher than other Circle. Due to variation in material Rates
	Note for 1.1 to 1.5												
	Add extra charges at 20% per cum for earth work excavation in all classifications of soil in Watery situation and or foul conditions, including bailing out/ pumping out, removing slush considering slow progress of work under these conditions.												
	Chapter-2												
	CONCRETE AND MASONARY WORKS												
	NOTE: (1) For all types of Concrete & Stone masonary Works considering all Leads. (2) Machine mixer & Vibrator shoud invariably be used for RCC works.												
2.1	Providing and laying granite or basalt or trap jelly cement concrete using 40 mm and down size jelly for foundation laid in 15 cm thick layers and well compacted including mixing by using hand mixers, curing etc. complete as per specifications - Cement Concrete M 10 (1:3:6)	Cum	3450.00	3708.00	7.48	4210.00	3694.00	3948.00	3864.00	4100.00	3761.00	3761.00	

SI. No.	Specifications	Unit		Rates Worked Out for 2012-13 (Bangalo re Circle)	% age Increase	Mangalo re Circle		Davangere Circle	Mysore Circle	Dharwad Circle	Belga Cir
1	2	3	4	5	6	7	8	9	10	11	1
2.2	Providing and laying granite or trap or basalt jelly Cement concrete using 40 mm and down size jelly for foundation laid in 15 cm thick layers and well compacted including machine mixing, curing etc. complete as per specifications - Cement Concrete M 10 (1:3:6)	Cum	3521.00	3781.00	7.38	4283.00	3767.00	4021.00	3984.00	4227.00) 38
2.3	Providing and constructing granite or trap or basalt or sand stone, uncoursed rubble stone masonery with Cm 1:6 proporton with bond stones at 2 m apart for foundation including curing etc., complete as per specifications.	Cum	2143.00	2136.00	-0.33	2123.00	2244.00	2242.00	2291.00	2213.00) 21
2.4	Providing and constructing granite or trap or basalt or Sand stone, coursed rubble second sort size stone masonary with CM 1:6 proportion, courses not less than 20 cm high with bond stones at 2 M apart in each course, edges of stone chisel dressed and all corners 2 line dressed 5 cms wide on each face including curing etc., complete as per specifications										
2.4.1 2.4.2	For Basement in CM 1:6 For Superstructure in CM 1:6	Cum Cum	3188.00 3416.00								
2.4.2	Providing and constructing granite or trap or basalt or Sand stone, coursed rubble second sort size stone masonry in CM 1:4 proportion in courses not less than 20 cm high with bond stones at 2 m. apart in each course, and quoins 2 line dressed, 5 cms wide on each face including scaffolding, curing etc., complete as per specifications & provinding necessary hydraulic test for Water tightness.	Cum	3399.00								
2.6	Providing and laying granite or trap or basalt jelly cement concrete M-10 proportion on using 20 mm and down size jelly including machine mixing, laying tamping, curing and plastering for exposed face with cement morter 1:4 proportion and with necessary centering,form work etc. complete.										
2.6.1	For Basement	Cum	3573.00								-
2.6.2	For Cills, Coping, Bond slab Providing and laying granite or trap or basalt jelly vibrated cement concrete M-15 proportion using 20 mm and down size jelly including machine mixing, laying , vibrating, tampering, curing and smooth finished for exposed faces with CM 1:3 for tap plaster finish and with necessary centering, form work etc. complete for flooring of G.L.S.R, cills,coping, bond slab and for any other such works.	Cum	<u>3992.00</u> 4640.00								
2.8	Providing and laying vibrated cement concrete using design mix M-20 proportion for RCC work excluding cost of reinforcement with 20 mm and down size of broken granite or trap or basalt or any other approved hard jelly with superplasticiser @ 3 ltrs. confirming to IS 9103-1999 Reaffirmed-2008 including cost and conveyance of all materials including form work, centering, scaffolding, cement mortor plastering 1:3 proportion, 20 mm thick for inside including machine mixing , vibrating, curing making construction joint wherever necessary and giving satisfactory water proof testing etc, (Exclusive of cost of steel & fabrication charges)										
2.8.1	For Flat or sloping floor slab	Cum	5300.00								
2.9	For Vertical side walls Providing and laying vibrated cement concrete using design mix M-25 proportion for RCC work excluding cost of reinforcement with 10 mm to 12 mm ISI gauge of approved gradation and broken granite or trap or basalt or any other approved hard jelly including cost and conveyance of all materials including form work, centering, scaffolding, cement motor plastering 1:3 proportion, 20 mm thick for inside with admixture of water proof compound of requisite proportion of approved quality including machine mixing, vibrating, curing making construction joint wherever necessary and giving satisfactory water proof testing etc. (Exclusive of cost of steel & fabrication Charges)	Cum	6312.00								
2.9.1	For Flat or sloping floor slab	Cum	6118.00	5458.00	-10.79	6077.00	5353.00	5622.00	5614.00	5978.00)

gaum ircle	Bellary Circle	Remarks
12	13	14
834.00	3834.00	
165.00	2165.00	
187.00	3189.00	
231.00	3231.00	
515.00	3515.00	
055.00	4055.00	
055.00	4055.00	
194.00	4194.00	
626.00	4626.00	
665.00	5751.00	
665.00	5751.00	
942.00	7048.00	
863.00	5944.00	

SI. No.	Specifications	Unit	Rates Worked Out for 2011-12 (Bangalo re Circle)	(Bangalo re Circle)	% age Increase	re Circle		Davangere Circle	Circle	Circle	Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	For Vertical side walls	Cum	7272.50	6688.00	-8.04	7447.00	6559.00	6890.00	6879.00	7325.00	7185.00	7284.00	
2.10	Providing and laying vibrated cement concrete using design mix M-30 proportion for RCC work excluding cost of reinforcement with 20 mm and down size of broken granite or trap or basalt or any other approved hard jelly with superplasticiser @ 3 ltrs. confirming to IS 9103-1999 Reaffirmed-2008 including cost and conveyance of all materials including form work, centering, scaffolding, cement mortor plastering 1:3 proportion, 20 mm thick for inside including machine mixing, vibrating, curing making construction joint wherever necessary and giving satisfactory water proof testing etc, (Exclusive of cost of steel & fabrication charges)												
	For Flat or sloping floor slab	Cum		5616.00		6252.00			5774.00			6102.00	
2.11	For Vertical side walls Labour charges for fabricating M.S. bars / TMT for steel bars of all sizes including cleaning, straightening, cutting, bending, hooking, lapping and or welding, wherever required, placing in position and tieing with binding wire of approved quality and guageas per design including cost of binding wire hoisting et complete including conveying steel rods.	Cum kg	9.75	<u>6881.00</u> 9.40	-3.59	<u>7662.00</u> 9.30			<u>6879.00</u> 9.50			7478.00 9.40	
2.12)Providing and laying using design mix M-20 cement concrete using clean graded granite or trap or basalt jelly 20 mm and down size with superplasticiser @ 3 ltrs. confirming to IS 9103-1999 Reaffirmed-2008 for RCC roof slab and canopies for all spans with steel or plank centering and shultering including machine mixing, lifting, laying, vibrating, tamping, Plastering to celling 12mm thick in CM:1:3: curing etc., complete. (exclusive of cost and steel and fabrication charges) CC,M-20(1:1.5:3)	Cum	5673.00	5735.00	1.09	6390.00	5629.00	5912.00	5899.00	6294.00	6173.00	6268.00	
2.13)Providing and laying using design mix M-25 cement concrete using clean graded granite or trap or basalt jelly 20 mm and down size with superplasticiser @ 3 ltrs. confirming to IS 9103-1999 Reaffirmed-2008 for RCC roof slab and canopies for all spans with steel or plank centering and shultering including machine mixing, lifting, laying, vibrating, tamping, Plastering to celling 12mm thick in CM:1:3: curing etc., complete. (exclusive of cost and steel and fabrication charges)	Cum	6668.00	5947.00	-10.81	6622.00	5833.00	6127.00	6117.00	6514.00	6389.00	5999.00	
2.14)Providing and laying using design mix M-30 cement concrete using clean graded granite or trap or basalt jelly 20 mm and down size with superplasticiser @ 3 ltrs. confirming to IS 9103-1999 Reaffirmed-2008 for RCC roof slab and canopies for all spans with steel or plank centering and shultering including machine mixing, lifting, laying, vibrating, tamping, Plastering to celling 12mm thick in CM:1:3: curing etc., complete. (exclusive of cost and steel and fabrication charges) Providing pointing to stone masonry walls in cm 1:3 proportion after racking the	Cum		6120.00		6814.00	5997.00	6298.00	6292.00	6684.00	6545.00	6650.00	
2.15	joints to a depth of 25 mm and nicely lining including scaffolding, curing etc., complete as per specification Providing plastering to masonry including providing and removing scaffolding,	Sqm	77.00	70.00	-9.09	70.00	69.00	67.00	70.00	70.00	70.00	68.00	
2.16	rounding off all corners whenever required smooth rendering, curing etc., complete.	0	100 50	010.00		045.00	005.00	100.00	014.00	047.00	010.00	100.00	
	For Masonry Plain Plastering 20mm thick in CM 1:3	Sqm	193.50		9.56				214.00			198.00	
	For Masonry Plain Plastering 12mm thick in CM 1:3 Chapter-3	Sqm	146.00	151.00	3.42	153.00	147.00	138.00	152.00	154.00	154.00	143.00	
	PIPELINE AND MISCELLANEOUS WORKS												
3.1	Laying and jointing G.I. Pipes without earthwork includng aligning to line and slope, fixing collers, elbows, elbows, tees, bends, gland cocks and other fitting with cuts and threads wherever necessary.												
	15 mm	Mtr	11.00	10.00	-9.09				10.00			10.00	
	20 mm	Mtr	15.00	14.00	-6.67	14.00			14.00			14.00	
3.1.3	25 mm	Mtr	22.00	21.00	-4.55	21.00	21.00	21.00	21.00	21.00	21.00	21.00	

SI. No.	Specifications	Unit	re Circle)	(Bangalo re Circle)		Mangalo re Circle 7	Circle	Davangere Circle 9	Circle	Circle	Circle	Bellary Circle	Remarks
1	2	3	4	5	6	1	8	U	10	11	12	13	14
	32 mm	Mtr	26.00	24.00	-7.69					24.00		24.00	
	40 mm	Mtr	29.00	28.00	-3.45							28.00	
	50 mm	Mtr	33.00	31.00	-6.06					31.00		31.00	
	65 mm	Mtr	34.00	32.00	-5.88					32.00		32.00	
	80 mm	Mtr Mtr	37.00	34.00	-8.11	34.00				34.00		34.00	
3.1.9	100 mm	IVILI	41.00	38.00	-7.32	38.00	38.00	38.00	38.00	38.00	38.00	38.00	
3.2	Laying cast iron pipes and specials of all classes without earth work, true to line and level including rolling and lowering into trenches and perfect linking of joints.												
3.2.1	80 mm	Mtr	23.00	21.50	-6.52	21.50	21.50	21.50	21.50	21.50	21.00	21.50	
3.2.2	100 mm	Mtr	24.00	22.00	-8.33							22.50	
3.2.3	150 mm	Mtr	32.00	30.00	-6.25		30.00	30.00	30.00	30.00	30.00	30.00	
3.2.4	200 mm	Mtr	45.00	42.00	-6.67	42.00	42.00	42.00	42.00	42.00	42.00	42.00	
3.3	Labour charges only for installation at site of work PVC pipes including lowering into trenches laying true to line, levelling and perfect linking of joints leak proof including jointing of approved type with all labour and lift charges and with an initial lead of 5 Km including encasing the pipes all round to a depth not less than 15 CM thick with gravel or selected earth available from excavated earth												
	63 mm	Mtr	22.00	21.00	-4.55		21.00	21.00		21.00		21.00	
3.3.2	75 mm	Mtr	25.00	23.00	-8.00	23.00	23.00	23.00	23.00	23.00	23.00	23.00	
3.3.3	90 mm	Mtr	27.00	25.00	-7.41	25.00	25.00	25.00	25.00	25.00	25.00	25.00	
3.3.4	110 mm	Mtr	32.00	30.00	-6.25	30.00	30.00	30.00	30.00	30.00	30.00	30.00	
3.3.5	140 mm	Mtr	35.00	33.00	-5.71	33.00	33.00	33.00	33.00	33.00	33.00	33.00	
3.3.6	160 mm	Mtr	39.00	36.00	-7.69	36.00	36.00	36.00	36.00	36.00	36.00	36.00	
	200 mm	Mtr	44.00	41.00	-6.82	41.00	41.00	41.00	41.00	41.00	41.00	41.00	
3.4	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete.												
	63 mm 4 KSC	Mtr	73.00		20.55					88.00		88.00	
	75 mm 4 KSC	Mtr	89.00	116.00	30.34	116.00				116.00		116.00	
	90 mm 4 KSC	Mtr	119.00	160.00	34.45					160.00		160.00	
	110 mm 4 KSC	Mtr	163.00		39.26					227.00		227.00	
	140 mm 4 KSC	Mtr	247.00		43.32					354.00		354.00	
	160 mm 4 KSC	Mtr	319.00		37.62							439.00	
	200 mm 4 KSC	Mtr	479.00	552.00	15.24	552.00	552.00	552.00	552.00	552.00	552.00	552.00	
	PVC Pipes of 6 kg./cm2	N 41											
	63 mm 6 KSC	Mtr	88.00	112.00	27.27					112.00		112.00	
	75 mm 6 KSC	Mtr	117.00	157.00	34.19					157.00		157.00	
	90 mm 6 KSC	Mtr	160.00	210.00	31.25					210.00		210.00	
	110 mm 6 KSC	Mtr	223.00	317.00	42.15					317.00		317.00	
	140 mm 6 KSC	Mtr	347.00		32.28					459.00		459.00	
	160 mm 6 KSC	Mtr	444.00	589.00	32.66					589.00		589.00	
	200 mm 6 KSC	Mtr	683.00	910.00	33.24	910.00	910.00	910.00	910.00	910.00	910.00	910.00	
	PVC Pipes of 10kg./cm2	. 4.											
	63 mm 10 KSC	Mtr	122.00		37.70					168.00		168.00	
	75 mm 10 KSC	Mtr	168.00	248.00	47.62					248.00		248.00	
	90 mm 10 KSC	Mtr	233.00	343.00	47.21	343.00				343.00		343.00	
	110 mm 10 KSC	Mtr	335.00	520.00	55.22					520.00		520.00	
	140 mm 10 KSC	Mtr	520.00	836.00	60.77					836.00		836.00	
	160 mm 10 KSC	Mtr	666.00	1003.00	50.60					1003.00		1003.00	
3.4.3.g	200 mm 10 KSC	Mtr	1050.00	1671.00	59.14	1671.00	1671.00	1671.00	1671.00	1671.00	1671.00	1671.00	

SI. No.	Specifications	Unit	(Bangalo re Circle)	-	Increase	re Circle	Circle	Davangere Circle	Circle	Circle	Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
3.5	Labour charges for making lead joints for cast iron pipes and specials laid in position with hemp yarn and lead including caulking and giving necessary hydraulic presure test, including jointing materials.												
	80mm	Mtr	110.00	102.00	-7.27		102.00		102.00				
	100mm	Mtr	132.00	123.00	-6.82		123.00		123.00				
	150mm 200mm	Mtr Mtr	198.00 253.00	184.00	-7.07 -7.11		184.00 235.00		184.00 235.00			184.00 235.00	
3.5.4	Labour charges for making flanged joints for cast iron pipes and specials with	IVILI	253.00	235.00	-/.11	235.00	235.00	235.00	235.00	235.00	235.00	235.00	
3.6	rubber insertion and necessary bolts and nuts and giving necessary hydraulic pressure test including jointing materials												
	80 mm	Each	85.00	79.00	-7.06		79.00		79.00				
	100 mm	Each	93.00	87.00	-6.45		87.00		87.00				
	150 mm	Each	102.00	95.00			95.00		95.00				
3.6.4	200 mm	Each	111.00	103.00	-7.21	103.00	103.00	103.00	103.00	103.00	103.00	103.00	
3.7	Giving hydraulic test for C.I. / R.C.C. / P.V.C. / H.D.P.E or A.C. Pipelines to the pressure equal to 2 times the working pressure includng cost of supply of water.												
3.7.1	Upto 80 mm	Mtr	2.00	2.00	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
3.7.2	Above 80 mm & upto 100 mm	Mtr	2.50	2.50	0.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	
	Above 100 mm & upto 150 mm	Mtr	3.00	3.00	0.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
	Above 150 mm & upto 200 mm	Mtr	4.00	4.00	0.00	4.00	4.00		4.00			4.00	
3.7.5	Above 200 mm	Mtr	5.00	5.00	0.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
	Removing G.I. Pipes without earthwork, cleaning and conveying from workspot to departmental stores with an initial lead of 5 Km includng removal of all fittings such as collers, elbows, tees, bends, gland cocks and other fittings with necessary cuts etc. complete.	N /4-11	7.00	7.00		7.00	7.00	7.00	7.00	7.00	7.00	7.00	
	15 mm 20 mm	Mtr Mtr	7.00	7.00	0.00				7.00				
	25 mm	Mtr	15.00	9.00 14.00	-10.00 -6.67	9.00 14.00	9.00 14.00		9.00 14.00			9.00 14.00	
	32 mm	Mtr	20.00	14.00			14.00		14.00				
	40 mm	Mtr	20.00	21.00									
	50 mm	Mtr	25.00	23.00			23.00		21.00				
	65 mm	Mtr	26.00	23.00			23.00		23.00				
	80 mm	Mtr	29.00	28.00	-3.45		28.00		28.00				
	100 mm	Mtr	34.00	32.00			32.00						
3.9	Labour charges for attending to repairs of the PVC pipes by earth work excavation cutting the old pipe installation and jointing of new pipes to the existing old pipe to the depth line and level, perfect linking at joints including encasing the pipes alround to a depth of not less than 15cms with earth available and refilling the excavated trenches giving satisfactory hydraulic test etc. complete (Materials required to be supplied departmentally)	Each	147.00	146.00									
	Cutting Pipes: G.I. Pipes: Dia											<u>├</u>	
a) 3.10.1		Each	7.00	7.00	0.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	
3.10.1		Each	9.00	8.00			8.00						
3.10.2		Each	13.00	12.00									
3.10.4		Each	15.00	14.00	-6.67		14.00					14.00	
3.10.5		Each	18.00	17.00			17.00		17.00			17.00	
3.10.6		Each	27.00	25.00	-7.41		25.00						
3.10.7		Each	33.00	31.00									
3.10.8		Each	44.00	41.00									
	100 mm	Each	53.00	50.00	-5.66		50.00		50.00			50.00	
	C.I. Pipes: Dia												
3.10.1		Each	15.00	14.00	-6.67	14.00	14.00	14.00	14.00	14.00	14.00	14.00	
210.0	100 mm	Each	27.00	25.00			25.00					25.00	

SI. No.	Specifications	Unit		Rates Worked Out for 2012-13 (Bangalo re Circle)	Increase			Davangere Circle	Mysore Circle	Dharwad Circle	Belgaum Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	150 mm	Each	33.00	31.00			31.00		31.00	31.00		31.00	
3.10.4	200 mm	Each	44.00	41.00	-6.82	41.00	41.00	41.00	41.00	41.00	41.00	41.00	
c)	Keeping in position												
	80 mm Dia	Each	22.00	21.00			21.00		21.00	21.00		21.00	
	100 mm Dia	Each	30.00	28.00			28.00		28.00	28.00		28.00	
	150 mm Dia	Each	44.00	41.00			41.00		41.00	41.00		41.00	
	200 mm Dia	Each	66.00	62.00	-6.06	62.00	62.00	62.00	62.00	62.00	62.00	62.00	
	Threading of G.I. Pipes	Each	10.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	15 mm dia 20 mm dia	Each	10.00 11.00	9.00 10.00	-10.00 -9.09		9.00 10.00		9.00 10.00	9.00 10.00		9.00	
	25 mm dia	Each	13.00				12.00					10.00	
	32 mm dia	Each	13.00	12.00 14.00	-7.69 -6.67		12.00		12.00 14.00	12.00 14.00		12.00 14.00	
	40 mm dia	Each	18.00	17.00			14.00		17.00	14.00		14.00	
	50 mm dia	Each	27.00	25.00			25.00		25.00	25.00		25.00	
	65 mm dia	Each	31.00	29.00			29.00			29.00		29.00	
	80 mm dia	Each	49.00	45.00			45.00		45.00	45.00		45.00	
	100 mm dia	Each	53.00	50.00			50.00		50.00	50.00		50.00	
	Fixing gland cock (15 mm to 65 mm)	Each	10.00	9.00		10.00	9.00		9.00			9.00	
	END CONNECTIONS												
3.13	Labour charges for giving 50 mm dia G.I. Pipe End Connections from rising main to cistern including cutting,threading, conveying, laying and jointing etc., complete inclusive of fixing 4 Nos. of 20mm dia G.I. pipes with Taps to the cistern etc., complete.	Each	1314.00	1388.00	5.63	1388.00	1388.00	1414.00	1414.00	1414.00	1414.00	1414.00	
3.14	Providing and constructing four way C.I. stand post of size $1.80m \times 1.80$ in with pot rests of size $0.3 \text{ m} \times 0.3 \text{ m} \times 0.15 \text{ m}$ in cement concrete $1:2:4$ proportion with central deep and with cement concrete kerb ($1:2:4$) of 20 cm stick and 10 cm wide all round with $1:2:4$: cement concrete plat form of 10mm and smooth finishing with C.M.1:3 to expose faces including construction of lead of drain as per the directions departmental officers and necessary eath work excalavation and disposing of the excavated earth as directed with all leads and lifts etc., complete	Each	4361.00	4972.00	14.01	3571.00	5124.00	4969.00	3349.00	5430.00	3297.00	5162.00	
3.15	Providing and constructing stand post of size 1.22mx1.22m for public foundation with RCC post of size 1.22mx0.38mx0.10m with top rounded and RCC kerb slabs of size 1.22m x0.30m x0.05m in CC 1:2:4 proportion with 12mm size granite, trap or basalt jelly with nominal reinforcement as per design, plastering with CM 1:4 20mm thick to the exposed faces,with pot rest slab of size 0.45mx0.30mx0.20m in CC 1:2:4 proportion with central dip and CC platform 1:2:4 proportion 10cm thick and smooth finishing with CM 1:3 to exposed faces with necessary form work, centering, mixing, curing as per specifications including cost of steel and necessary earthwork excavation and disposing of the excavated earth as directed with all leads and lifts etc. complete.	Each	3327.00	3614.00	8.63	3110.00	3701.00	3614.00	3073.00	3872.00	2764.00	3720.00	
3.16	Providing and constructing stand post of size 1.2mmx1.22mm for public fountain with stone posts of size 0.45x1.22x0.10m with top rounded with holes of 25mm size with stone pot rest of 0.45x0.30x0.20m with central dip and kerb stone 8 cms thick 20 cms wide alround with top rounded with cement concrete plat form 1:2:4(M15) proportion 10cms thick and smooth finishing with cement mortar 1:3 to the exposed faces with necessary frame work and curing including two line dressing to all stones exposed and construction of lead off drains as per directions of departmental officers and necessary earthwork excavation and disposing off the excavated earth as directed with all leads and lifts etc., complete.	Each	2863.00	2707.00	-5.45	2758.00	2697.00	2654.00	3047.00	2843.00	3369.00	2928.00	

SI. No.	Specifications	Unit	re Circle)	(Bangalo re Circle)		Mangalo re Circle 7	Circle	Davangere Circle	Circle	Circle	Circle	Bellary Circle	Remarks
1	2	3	4	5	6	/	8	9	10	11	12	13	14
3.17	Erection of RCC Hume pipe pump house/Cistern on size stone masory platform including transportation charges and handling with all necessary tools and plants complete.	Each	1224.00	1220.00	-0.33	1217.00	1217.00	1175.00	1221.00	1225.00	1224.00	1212.00	
	Chapter - 4												
	R.C.C. OVERHEAD TANKS												
4.1.a	Providing and laying Reinforced cement concrete of mix design of M-20 Grade using clean graded granite or trap or basalt jelly of approved quality of 20mm and down size, with super plasticiser @ 3lts confirming to IS-9103-2008 in layers of not more than 15 cms thick, well consolidated including centering, formwork, vibrating, curing, smooth finishing to the required plumb and face in C.M.1:3 proportion wherever necessary etc., complete for R. rafts, raft ring-beam, column footing, columns below ground level (exclusive cost of steel and fabrication charges)	Cum	6310.00	6025.00	-4.52	6564.00	6112.00	6067.00	6141.00	6497.00	6329.00	6459.00	
4.1.b	Providing and laying Reinforced cement concrete of mix design of M-25 Grade using clean graded granite or trap or basalt jelly of approved quality of 20mm and down size, with super plasticiser @ 3lts confirming to IS-9103-2008 in layers of not more than 15 cms thick, well consolidated including centering, formwork, vibrating, curing, smooth finishing to the required plumb and face in C.M.1:3 proportion wherever necessary etc., complete for R. rafts, raft ring-beam, column footing, columns below ground level (exclusive cost of steel and fabrication charges)	Cum	7151.00	6202.00	-13.27	6758.00	6282.00	6246.00	6322.00	6680.00	6471.00	6634.00	
4.2.a	Providing and laying Reinforced cement concrete of mix design of M-20 Grade using clean graded granite or trap or basalt jelly of approved quality of 20mm and down size, with super plasticiser @ 3lts confirming to IS-9103-2008 in layers of not more than 15 cms thick, well consolidated including centering, formwork, vibrating, curing, smooth finishing to the required plumb and face in C.M.1:3 proportion wherever necessary etc., complete as per design and specification for staging, columns and braces above ground level (exclusive of cost of steel and fabrication charges)												
4.2.a.1	Staging of 6.00 Mtr height	Cum	7425.00	7071.00	-4.77	7699.00	7172.00	7034.00	7194.00	7669.00	7404.00	7579.00	
4.2.a.2	Staging of 7.50 Mtr height	Cum	7600.00	7253.00	-4.57				7379.00	7866.00	7594.00	7774.00	
	Staging of 9.00 Mtr height	Cum	7775.00		-4.32				7569.00			7974.00	
	Staging of 10.50 Mtr height	Cum	7950.00		-4.03				7764.00	8276.00		8179.00	
	Staging of 12.00 Mtr height	Cum	8125.00		-3.68				7964.00	8488.00		8389.00	
	Staging of 15.00 Mtr height Staging of 18.00 Mtr height	Cum Cum	8300.00 8475.00		-3.29 -2.86					8706.00 8930.00		8605.00 8826.00	
4.2.a.7	Providing and laying Reinforced cement concrete of mix design of M-25 Grade using clean graded granite or trap or basalt jelly of approved quality of 20mm and down size, with super plasticiser @ 3lts confirming to IS-9103-2008 in layers of not more than 15 cms thick, well consolidated including centering, formwork, vibrating, curing, smooth finishing to the required plumb and face in C.M.1:3 proportion wherever necessary etc., complete as per design and specification for staging, columns and braces above ground level (exclusive of cost of steel and fabrication charges)	Gum	0473.00	0200.00	-2.00	0300.00	0331.00	0130.00	0373.00	0930.00	0021.00	0020.00	
4.2.b.1	Staging of 6.00 Mtr height	Cum	8267.00	7249.00	-12.31	7893.00	7342.00	7213.00	7370.00	7855.00	7574.00	7754.00	
	Staging of 7.50 Mtr height	Cum	8442.00	7435.00	-11.93				7559.00			7953.00	
	Staging of 9.00 Mtr height	Cum	8617.00						7753.00	8264.00		8157.00	
	Staging of 10.50 Mtr height	Cum	8792.00		-11.03				7952.00	8476.00		8367.00	
	Staging of 12.00 Mtr height	Cum	8967.00		-10.53				8156.00	8694.00		8582.00	
	Staging of 15.00 Mtr height	Cum	9142.00							8917.00		8803.00	
4.2.b.7	Staging of 18.00 Mtr height	Cum	9317.00	8440.00	-9.41	9191.00	8551.00	8398.00	8581.00	9146.00	8820.00	9029.00	

SI. No.	Specifications	Unit	(Bangalo re Circle)	(Bangalo re Circle)	Increase	re Circle	Circle	Davangere Circle	Circle	Dharwad Circle	Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
4.2.c	Providing and laying Reinforced cement concrete of mix design of M-30 Grade using clean graded granite or trap or basalt jelly of approved quality of 20mm and down size, with super plasticiser @ 3lts confirming to IS-9103-2008 in layers of not more than 15 cms thick, well consolidated including centering, formwork, vibrating, curing, smooth finishing to the required plumb and face in C.M.1:3 proportion wherever necessary etc., complete as per design and specification for staging, columns and braces above ground level (exclusive of cost of steel and fabrication charges)	Cum		7001.00		0000.00	7400.00	7050.00	7500.00	7000.00	7704.00	7004.00	
	Staging of 6.00 Mtr height Staging of 7.50 Mtr height	Cum Cum		7381.00 7571.00		8036.00 8243.00			7503.00 7696.00			7884.00 8087.00	
	Staging of 9.00 Mtr height	Cum		7766.00		8455.00			7894.00			8295.00	
	Staging of 10.50 Mtr height	Cum		7966.00		8672.00						8508.00	
	Staging of 12.00 Mtr height	Cum		8171.00		8895.00						8727.00	
	Staging of 15.00 Mtr height	Cum		8381.00		9124.00						8951.00	
	Staging of 18.00 Mtr height	Cum		8596.00		9358.00			8737.00			9181.00	
NOTA-	The word staging denotes difference in height between the average ground level and floor of the tank.												
4.3.a	Providing and laying Reinforced cement concrete of mix design of M-20 Grade using clean graded granite or trap or basalt jelly of approved quality of 20mm and down size, with super plasticiser @ 3lts confirming to IS-9103-2008 in layers of not more than 15 cms thick, well consolidated including centering, formwork, vibrating, curing, smooth finishing to the required plumb and face in C.M.1:3 proportion wherever necessary etc., complete as per design and specification and giving satisfactory water proof test including construction joints wherever necessary as per the directions of the departmental Officers complete for ring beam, side walls, bottom dome or bottom slab, shell portion and bottom ribs (exclusive of cost of steel and fabrication charges and jointing materials)												
	Staging of 6.0 Mtr height	Cum		10972.00			11102.00				11360.00	11592.00	
	Staging of 7.5 Mtr height	Cum		11147.00			11277.00				11535.00	11767.00	
	Staging of 9.0 Mtr height	Cum Cum		11322.00			11452.00 11627.00			12020.00	11710.00 11885.00	11942.00 12117.00	
	Staging of 10.5 Mtr height Staging of 12.0 Mtr height	Cum		11497.00 11672.00			11802.00			12195.00		12292.00	
	Staging of 15.0 Mtr height	Cum		11847.00			11977.00			12545.00		12292.00	
	Staging of 18.0 Mtr height	Cum		12022.00		12765.00				12720.00		12642.00	
4.3.b	Providing and laying Reinforced cement concrete of mix design of M-25 Grade using clean graded granite or trap or basalt jelly of approved quality of 20mm and down size, with super plasticiser @ 3lts confirming to IS-9103-2008 in layers of not more than 15 cms thick, well consolidated including centering, formwork, vibrating, curing, smooth finishing to the required plumb and face in C.M.1:3 proportion wherever necessary etc., complete as per design and specification and giving satisfactory water proof test including construction joints wherever necessary as per the directions of the departmental Officers complete for ring beam, side walls, bottom dome or bottom slab, shell portion and bottom ribs (exclusive of cost of steel and fabrication charges and jointing materials)												
	Staging of 6.0 Mtr height	Cum		11150.00			11272.00				11531.00	11767.00	
	Staging of 7.5 Mtr height	Cum		11325.00			11447.00				11706.00	11942.00	
	Staging of 9.0 Mtr height	Cum		11500.00			11622.00				11881.00	12117.00	
	Staging of 10.5 Mtr height	Cum		11675.00			11797.00			12386.00		12292.00	
	Staging of 12.0 Mtr height	Cum		11850.00			11972.00				12231.00	12467.00	
	Staging of 15.0 Mtr height	Cum		12025.00			12147.00				12406.00	12642.00	
4.3.b.7	Staging of 18.0 Mtr height	Cum	13456.00	12200.00	-9.33	12958.00	12322.00	11959.00	12333.00	12911.00	12581.00	12817.00	

SI. No.	Specifications	Unit	(Bangalo re Circle)	(Bangalo re Circle)	% age Increase			Davangere Circle	Circle	Circle	Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
4.3.c	Providing and laying Reinforced cement concrete of mix design of M-30 Grade using clean graded granite or trap or basalt jelly of approved quality of 20mm and down size, with super plasticiser @ 3lts confirming to IS-9103-2008 in layers of not more than 15 cms thick, well consolidated including centering, formwork, vibrating, curing, smooth finishing to the required plumb and face in C.M.1:3 proportion wherever necessary etc., complete as per design and specification and giving satisfactory water proof test including construction joints wherever necessary as per the directions of the departmental Officers complete for ring beam, side walls, bottom dome or bottom slab, shell portion and bottom ribs (exclusive of cost of steel and fabrication charges and jointing materials)	Cum		11000.00		10050.00	11207.00	11050.00	11/10 00	11000.000	11661.00	11007.00	
	Staging of 6.0 Mtr height	Cum		11282.00			11397.00				11661.00	11897.00	
	Staging of 7.5 Mtr height	Cum Cum		11457.00 11632.00			11572.00			12155.00 12330.00		12072.00 12247.00	
	Staging of 9.0 Mtr height Staging of 10.5 Mtr height	Cum		11807.00			11747.00 11922.00			12505.00		12422.00	
	Staging of 12.0 Mtr height	Cum		11982.00		12752.00			12116.00			12597.00	
	Staging of 15.0 Mtr height	Cum		12157.00		12927.00			12291.00			12772.00	
	Staging of 18.0 Mtr height	Cum		12332.00		13102.00					12711.00	12947.00	
4.4.a	Providing and laying Reinforced cement concrete of mix design of M-20 Grade using clean graded granite or trap or basalt jelly of approved quality of 20mm and down size, with super plasticiser @ 3lts confirming to IS-9103-2008 in layers of not more than 15 cms thick, well consolidated including centering, formwork, vibrating, curing, smooth finishing to the required plumb and face in C.M.1:3 proportion wherever necessary etc., completeas per design and specifications etc., complete for top rib and top dome or top slab (exclusive cost of steel and fabrication charges)	2											
	Staging of 6.0 Mtr height	Cum	9416.00			9353.00			8957.00			8851.00	
	Staging of 7.5 Mtr height Staging of 9.0 Mtr height	Cum Cum	9591.00 9766.00			9528.00 9703.00			9132.00 9307.00			9026.00 9201.00	
	Staging of 9.0 Mit height	Cum	9941.00			9878.00				10101.00		9201.00	
	Staging of 10.0 Mit height	Cum	10116.00			10053.00			9657.00			9551.00	
	Staging of 15.0 Mtr height	Cum	10291.00			10228.00				10451.00		9726.00	
	Staging of 18.0 Mtr height	Cum	10466.00			10403.00				10626.00		9901.00	
4.4.b	Providing and laying Reinforced cement concrete of mix design of M-25 Grade using clean graded granite or trap or basalt jelly of approved quality of 20mm and down size, with super plasticiser @ 3lts confirming to IS-9103-2008 in layers of not more than 15 cms thick, well consolidated including centering, formwork, vibrating, curing, smooth finishing to the required plumb and face in C.M.1:3 proportion wherever necessary etc., complete as per design and specifications etc., complete for top rib and top dome or top slab (exclusive cost of steel and fabrication charges)												
	Staging of 6.0 Mtr height	Cum	10257.00		-9.69				9384.00		9335.00	9679.00	
	Staging of 7.5 Mtr height	Cum	10432.00		-9.53				9559.00			9854.00	
	Staging of 9.0 Mtr height	Cum	10607.00			10151.00			9734.00			10029.00	
	Staging of 10.5 Mtr height	Cum	10782.00			10326.00				10292.00		10204.00	
	Staging of 12.0 Mtr height	Cum	10957.00			10501.00				10467.00		10379.00	
	Staging of 15.0 Mtr height	Cum		10138.00			10277.00			10642.00		10554.00	
4.4.b.7	Staging of 18.0 Mtr height	Cum	11307.00	10313.00	-8.79	10851.00	10452.00	10080.00	10434.00	10817.00	10385.00	10729.00	

SI. No.	Specifications	Unit		(Bangalo		Mangalo re Circle		Davangere Circle	Mysore Circle	Dharwad Circle	Belgaum Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
4.4.c	Providing and laying Reinforced cement concrete of mix design of M-30 Grade using clean graded granite or trap or basalt jelly of approved quality of 20mm and down size, with super plasticiser @ 3lts confirming to IS-9103-2008 in layers of not more than 15 cms thick, well consolidated including centering, formwork, vibrating, curing, smooth finishing to the required plumb and face in C.M.1:3 proportion wherever necessary etc., completeas per design and specifications etc., complete for top rib and top dome or top slab (exclusive cost of steel and fabrication charges)												
	Staging of 6.0 Mtr height	Cum		9396.00		9945.00			9525.00			9809.00	
	Staging of 7.5 Mtr height	Cum		9571.00		10120.00			9700.00			9984.00	
	Staging of 9.0 Mtr height	Cum Cum		9746.00		10295.00				10236.00		10159.00 10334.00	
	Staging of 10.5 Mtr height Staging of 12.0 Mtr height	Cum		9921.00 10096.00		10470.00 10645.00			10050.00	10411.00 10586.00		10334.00	
	Staging of 12.0 Mit height	Cum		10096.00		10845.00						10509.00	
	Staging of 18.0 Mtr height	Cum		10446.00	ļ	10995.00				10936.00		10859.00	
4.5	Labour charges for fabricating M.S. bars/tor steel bars of all sizes including cleaning, straightening, cutting, bending, hooking, placing in position, tying as per design including cost of binding wire, hoisting etc., complete for RCC over head tank only, including conveying steel rods from the departmental stores to work spot with all lead and lift & returning the balance material to Departmental Store (for all stages) etc. complete.	Kg	11.00	11.00	0.00							11.00	
4.6.a	Providing & fixing M.S. ladder 45cm wide with an angle iron and 20mm M.S. bars at 25cm c/c duly fixing by holes to full depth of angle & welding with necessary supports and angle iron section of 65x65x6mm size at braces including fixing in ground with CC (M-15) bed and 2 coats of non-poisonous anti-corrosive bituminous, paints as directed.(including inserting in the angle iron and welding) outside OHT	Rmtr	1633.00	1866.00	14.27	1947.00	1741.00	1825.00	1823.00	1810.00	1777.00	1779.00	
4.6.b	Ladder inside the container: Providing anodized aluminium ladder, using 65mm x 32mm (approx.) 'C' section x 3.0mm for ladder side canals x 25mm dia., flutal pipe for Rungs at 250mm c/c ladder fixed at an angle of 70 degrees to horizontal including necessary 25mm dia., G.I. shutters with necessary G.I. fasteners for bracing the ladders to the Tank walls to prevent buckling of the ladder with necessary C.C. (M-15) bed for embedding the ladder bottom complete.	Rmtr	2612.00	2609.00	-0.11	2609.00	2609.00	2609.00	2609.00	2609.00	2609.00	2609.00	
4.7	Providing & fixing G.I. pipe railing of 32mm dia.,G.I. pipe B-class in two rows of roof dome flat slab of landing of elevated storage reservoir including cutting, welding, threading, painting, embedding in C.M. pillars with all lead and lifts etc., comple	Rmtr	457.00	451.00	-1.31	495.00	451.00	509.00	451.00	451.00	457.00	453.00	
4.8	Providing and constructing RCC hexagonal ventilator finial for RCC over head tank the finial to be constructed with CC (M-20) proportion using 20mm and down size jelly with reinforcement using 6mm dia., M.S. rods 4 nos., for each of the pillars both ways for full width of doom at 12cm c/c, the ventilator to be of 0.45 M x 0.5 M size provided with 25mm x 25mm x 5mm M.S. frame welded with diamond mesh to its full width and depth fully covered with aluminium mosquito mesh finished smooth with CM 1:3 proportion to required shape and size and ornamental finish including two coats of anti-corrosive paint for frame and mesh and two coats of cement paint matching to over head tank etc., complete.	Each	3704.00	3859.00	4.18	4219.00	3943.00	4014.00	3970.00	3902.00	3935.00	3937.00	
4.9	Providing and fixing 60x60cms M.S. inspection door with necessary M.S. frame made out of M.S. angle 50x50x6mm and M.S. shutters of 31.5mm or B.G.10 thick with hinges on top and locking arrangement, painting etc., complete (for RCC over head tank and G.L.S.R.)	Each	1515.00	1871.00	23.50	1963.00	1787.00	1875.00	1787.00	1790.00	1799.00	1787.00	
4.10	Providing and fixing enameled gauge plate 3 mm thick, 0.23 M wide with plastic float thick plastic indicator and flexible nylon wire etc., complete to 2.50 M height.	Each	2236.00	2169.00	-3.00	2169.00	2169.00	2169.00	2169.00	2169.00	2169.00	2169.00	

SI. No.	Specifications	Unit	Rates Worked Out for 2011-12 (Bangalo re Circle)	(Bangalo	% age Increase	Mangalo re Circle		Davangere Circle	Mysore Circle	Dharwad Circle	Belgaum Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
4.11	Labour charges for fixing puddle flanges in position for RCC tank including hoisting (80mm to 200mm) (Out turn @ 8 quintal) (6 nos)	Each	202.00	188.00	-6.93	188.00	188.00	188.00	188.00	188.00	188.00	188.00	
4.12	Labour charges for hoisting C.I. flanged pipes in position aligning to plumb and jointing for R.C.C. overhead tanks (80 mm to 200 mm)	Rmtr	174.00	166.00	-4.60	166.00	166.00	166.00	166.00	166.00	166.00	166.00	
4.13	Providing two coats of snowcem of approved colour and shade over one coat of primer including curing etc., complete for RCC over head tank.	Sqm	180.00	172.00	-4.44	172.00	172.00	167.00	172.00	177.00	172.00	172.00	
	Providing two coats of snowcem painting over one coat of primer including scrapping the exposed faces, removing loose plastering, removal of vegetations, fungus, cleaning the surface, replastering wherever required in CM 1:3 to the required shape with necessary scaffolding & curing etc., (Including cost of materials).	Sqm	187.00	189.00	1.07	189.00	189.00	188.00	189.00	193.00	184.00	186.00	
4.15	Providing & fixing copper lightning arrester with five spikes and 20mm dia copper tube or suitable length of aluminium strip of spike 25mmx3mm including grounding as per KPTCL specification. The aluminium strip is to be encased in G.I. conduct pipe or 40mm dia 6 M long suitably joined by collar with all specials, fixed to one of the columns etc., complete up to 6 M staging.	Each	8110.00	8267.00	1.94	7622.00	7300.00	7459.00	7300.00	8175.00	8140.00	7340.00	
	Note:- Data every additional running meter (for item no 4.15)		470.00	434.00	-7.66	458.00	434.00	434.00	434.00	434.00	539.00	434.00	
	Chapter - 5												
	WELL SINKING												
51	Providing, fabricating, welding and placing in position at site of work 100 mm x 100 mm x10 mm size M.S. angle cutting edge with 20 mm dia, 45 cms long, placed at 30 cms M.s. Rods for R.C.C. well curb as per approved design including clearing the site, and bailing out water etc., complete	M.T.	75414.00	83165.00	10.28	86483.00	82448.00	84131.00	82448.00	81248.00	81492.00	81492.00	
5.2	Labour charges for fabricating, welding placing in position at site of the work, 100 mm x 10 mm x 10 mm size M.S. Angle cutting edge with 20 mm dia, 45 cms long, placed at 30 cms, M.S. Rods for R.C.C. well curb as per approved design including clearing the site and bailing out water etc., complete, excluding the cost of materials	М.Т.	21994.00	20953.00	-4.73	20953.00	20953.00	21708.00	15998.00	20953.00	20953.00	20953.00	
5.3	Providing and laying vibrated cement concrete of design mix M 20 proporation for the work excluding cost of reinforcement with 10 MM to 20 MM ISI gauge of approved gradation and broken granite or trap or basalt or any other approve hard jelly including cost of conveyance of all materials including shoring, strutting, form work, bailing out water, including cement morter smooth finishing with 1:3 proportion. The admixture of water proof compound of requisite proportion of approved quality including machine mixing vibrating curing, making consturction joints wherever necessary.	Cum	7157.00	7515.00		8297.00	7578.00	7695.00	7946.00	8059.00	7940.00	8041.00	
5.3.1	Providing and laying vibrated cement concrete of design mix M 25 proporation for the work excluding cost of reinforcement with 10 MM to 20 MM ISI gauge of approved gradation and broken granite or trap or basalt or any other approve hard jelly including cost of conveyance of all materials including shoring, strutting, form work, bailing out water, including cement morter smooth finishing with 1:3 proportion. The admixture of water proof compound of requisite proportion of approved quality including machine mixing vibrating curing, making consturction joints wherever necessary.	Cum		7719.00		8519.00	7777.00	7901.00	8075.00	8267.00	8147.00	8242.00	

SI. No.	Specifications	Unit	Rates Worked Out for 2011-12 (Bangalo re Circle)	(Bangalo		Mangalo re Circle		Davangere Circle	Mysore Circle	Dharwad Circle	Belgaum Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
5.4	Providing and fabricating M.S./H.Y.S.D. (Tor Steel)/TMT reinforcement confirming to I.S. 226/1786 of 1966 with latest amendments including cleaning, straightening, cutting, bending, hooking, lapping or welding wherever required, hoisting and placing in position and tieing with binding wire of approved quality 16 gauge as per design and drawing including cost of materials and labour etc., complete	Kg	67.00	72.00	7.46	80.00	76.00	76.00	73.00	74.00	74.00	74.00	
5.5	Fabricating M.S./H.Y.S.D. (Tor Steel)/ reinforcement/TMT confirming to I.S. 226/1786 of 1966 with latest amendments including cleaning, straightening, cutting, bending, hooking, lapping or welding wherever required, hoisting and placing in position and tieing with binding wire of approved quality 16 gauge as per design and drawing including conveying steel from the departmental stores to work spot and returning balance to departmental stores excluding cost f steel etc., complete (including cost of binding wire)	Kg	11.00	10.00	-9.09	11.00	10.00	10.00	10.00	10.00	10.00	10.00	
5.6	RCC stening : Providing and laying vibrated cement concrete of design mix M - 20 proporation for the work excluding cost of reinforcement with 10 MM to 20 MM ISI gauge of approved gradation and broken granite or trap or basalt or any other approved hard jelly including cost of conveyance of all materials to site, including shoring, strutting, form work, bailing out water, with smooth finish from cement morter 1:3 proportion. The admixture of water proof compound of requisite proportion of approved quality with a machine mix, vibrating, curing and making consturction joints wherever necessary as per specification for well stening.	Cum		7515.00		8297.00	7577.00	7695.00	7867.00	8059.00	7940.00	8041.00	
5.6.1	RCC stening : Providing and laying vibrated cement concrete of design mix M - 25 p roporation for the work excluding cost of reinforcement with 10 MM to 20 MM ISI gauge of approved gradation and broken granite or trap or basalt or any other approved hard jelly including cost of conveyance of all materials to site, including shoring, strutting, form work, bailing out water, with smooth finish from cement morter 1:3 proportion. The admixture of water proof compound of requisite proportion of approved quality with a machine mix, vibrating, curing and making consturction joints wherever necessary as per specification for well stening.	Cum		7719.00		8519.00	7773.00	7901.00	8415.00	8267.00	8147.00	8242.00	
5.7	Providing and constructing steining with hard, granite or trap or basalt size stone masonry in CM 1:6 proportion with courses not less than 20 cms high with bond stones spaced at 2 mtrs apart to its full width in each course including scaffolding, curing, bailing out water etc., complete as per specifications.	Cum	3336.00	3733.00	11.90	4607.00	4470.00	4086.00	3448.00	3833.00	3776.00	3854.00	
5.8	Providing and laying Cement Concrete of mix design M-20Grade using clean graded granite or trap or basalt jelly of approved quality of 20mm and down size, with super plasticiser @ 3lts confirming to IS-9103-2008 in layers of not more than 15 cms thick, well consolidated including centering, formwork, vibrating, curing, smooth finishing to the required plumb and face in C.M.1:3 proportion wherever necessary etc., complete as per design and specifications etc., complete for top rib and top dome or top slab (exclusive cost of steel and fabrication charges)	Cum		6368.00		5635.00	6429.00	6507.00	6400.00	6866.00	6200.00	6845.00	
5.8.1	Providing and laying Cement Concrete of mix design M-25 Grade using clean graded granite or trap or basalt jelly of approved quality of 20mm and down size, with super plasticiser @ 3lts confirming to IS-9103-2008 in layers of not more than 15 cms thick, well consolidated including centering, formwork, vibrating, curing, smooth finishing to the required plumb and face in C.M.1:3 proportion wherever necessary etc., complete as per design and specifications etc., complete for top rib and top dome or top slab (exclusive cost of steel and fabrication charges)	Cum		6569.00		5772.00	6623.00	6712.00	6600.00	7080.00	6400.00	7048.00	

SI. No.	Specifications	Unit		Rates Worked Out for 2012-13 (Bangalo re Circle)	Increase	Mangalo re Circle		Davangere Circle	Mysore Circle	Dharwad Circle	Belga Cir
1	2	3	4	5	6	7	8	9	10	11	1
	Chapter-6										
	INFILTRATION WELL										
6.1	Sinking Circular Wells as per approved design in all kinds of soils excluding hard rock requiring blasting including making and removing islands, ring bunds or coffer dams as may be necessary and maintaining the same during operation, pumping dewatering, application of kentledge or other means for around seating of wells, removal of boulders, burried timbers as directed with necessary shoring and strutting as per specifications etc., complete										
	0 to 3 M depth	Rmtr	7117.00						6969.00		
	3 to 6 M depth	Rmtr	7694.00						7533.00		
	6 to 9 M depth 3 M dia well (internal) - 9 to 12 M depth	Rmtr Rmtr	8322.00 9003.00						8147.00 8814.00		
6.2	Sinking Circular Wells as per approved design in all kinds of soils excluding hard rock requiring blasting including making and removing islands, ring bunds or coffer dams as may be necessary and maintaining the same during operation, pumping dewatering, application of kentledge or other means for around seating of wells, removal of boulders, burried timbers as directed with necessary shoring and strutting as per specifications etc., complete	11111	9003.00	0112.00	-2.37	0103.00	0030.00	8700.00	0014.00	0773.00	
6.2.1	4 M dia well (internal) - 0 to 3 M depth	Rmtr	10678.00	10355.00	-3.02	10350.00	10450.00	10276.00	10432.00	10355.00	102
6.2.2	4 M dia well (internal) - 3 to 6 M depth	Rmtr		11190.00		11185.00			11273.00		
6.2.3	4 M dia well (internal) - 6 to 9 M depth	Rmtr		12096.00		12091.00			12186.00		
6.2.4	4 M dia well (internal) - 9 to 12 M depth	Rmtr	13486.00	13079.00	-3.02	13074.00	13199.00	12980.00	13176.00	13079.00	130
6.3	Sinking Circular Wells as per approved design in all kinds of soils excluding hard rock requiring blasting including making and removing islands, ring bunds or coffer dams as may be necessary and maintaining the same during operation, pumping dewatering, application of kentledge or other means for around seating of wells, removal of boulders, burried timbers as directed with necessary shoring and strutting as per specifications etc., complete										
6.3.1	b) 6 M dia well (internal) - 0 to 3 M depth	Rmtr	14114.00	13872.00	-1.71	13866.00	13964.00	13756.00	13938.00	13872.00	137
6.3.2	a) 6 M dia well (internal) - 3 to 6 M depth	Rmtr		14988.00		14982.00			15060.00		
	a) 6 M dia well (internal) - 6 to 9 M depth	Rmtr		16198.00		16192.00				16199.00	
	9 to 12 M depth	Rmtr	17815.00	17509.00	-1.72	17503.00	17626.00	17363.00	17593.00	17510.00	173
Note:	The rates do not include the charges of sinking well in hard rock for which			<u> </u>							
1)	payment has to be decided separately.										1
2)	The sinking shall be measured in running meters correct upto 0.01 M from 0.33 M above the low water level or from the level at which the cutting edge was laid as directed by the Engineer-in-charge in writing before the start of the sinking of the well upt										
3)	When well curb is to be lain in dry beds the site shall be excavated upto 0.33 M above subsoil water level before the cuttin edge is placed.										
	Chapter-7										
	CONNTECTING PIPELINE AT RIVER HEAD WORKS		1	<u> </u>		1		1			
7.1.1	Earth work excavation for connecting pipe line and disposing the excavated stuff as per directions of the department including providing barricading danger lighting. Shoring, strutting and bailing out water wherever necessary upto 1.50mts depth.	0				407.00			407.07		
7.1.1.a	o () /	Cum	136.00								
7116	- do - in all soils execulding hard murrum Under water situation	Cum	459.00								
/.1.1.b	- do - in all soils execulding hard murrum (Dry Condition)	Cum	241.00	225.00	-6.64	225.00	225.00	225.00	225.00	225.00	2

lgaum Circle	Bellary Circle	Remarks
12	13	14
6891.00	6930.00	
7449.00	7491.00	
8125.00 8790.00	8101.00 8764.00	
0790.00	8704.00	
0004.00	100 10 00	
0294.00	10346.00	
1124.00 2025.00	11180.00 12085.00	
3002.00	13067.00	
3782.00	13860.00	
4891.00	14975.00	
6093.00	16184.00	
7396.00	17494.00	
107.00	107.00	
127.00 428.00	127.00 428.00	
225.00	225.00	

SI. No.	Specifications	Unit	Rates Worked Out for 2011-12 (Bangalo re Circle)	(Bangalo		Mangalo re Circle		Davangere Circle	Mysore Circle	Dharwad Circle	Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	- do - in all soils execulding hard murrum Under water situation	Cum	626.00		-6.87	583.00	583.00	583.00	583.00			583.00	
7.1.1.c	- do - in all soils in soft rock and dis-integrated rock under dry condition	Cum	376.00	350.00	-6.91	350.00	350.00	350.00	350.00	350.00	350.00	350.00	
	- do - in all soils in soft rock and dis-integrated rock under water situation	Cum	775.00	721.00	-6.97	721.00	721.00	721.00	721.00	721.00	721.00	721.00	
7.1.1.d	- do - in all soils in hard rock and requiring blasting under dry condition	Cum	741.00	693.00	-6.48	691.00	688.00	691.00	688.00	692.00	694.00	692.00	
	- do - in all soils in hard rock and requiring blasting under water situation	Cum	761.00	711.00	-6.57	709.00	705.00	709.00	705.00	709.00	705.00	710.00	
7.2	Earthwork excavation with extra lift rates.												
7.2.1	1.50 to 3.00 Mtr	Cum	49.00	45.00	-8.16	45.00	46.00	45.00	45.00	45.00	45.00	45.00	
7.2.2	3.00 to 4.50 Mtr	Cum	113.00	105.00	-7.08	106.00	106.00	106.00	105.00	106.00	105.00	105.00	
7.2.3	4.50 to 6.00 Mtr	Cum	129.00	121.00	-6.20	121.00	121.00	121.00	121.00	121.00	121.00	121.00	
7.2.4	6.00 to 7.50 Mtr	Cum	162.00	151.00	-6.79	151.00	151.00	151.00	151.00	151.00	151.00	151.00	
7.2.5	7.50 to 9.00 Mtr	Cum	194.00	181.00	-6.70	181.00	181.00	181.00	181.00	181.00	181.00	181.00	
7.2.6	9.00 to 10.50 Mtr	Cum	227.00	211.00	-7.05	211.00	211.00	211.00	211.00	211.00	211.00	211.00	
7.2.7	10.50 to 12.00 Mtr	Cum	291.00	271.00	-6.87	271.00	271.00	271.00	271.00	271.00	271.00	271.00	
7.2.8	12.00 to 13.50 Mtr	Cum	421.00	392.00	-6.89	392.00	392.00	392.00	392.00	392.00	392.00	392.00	
7.2.9	13.50 to 15.00 Mtr	Cum	453.00	422.00	-6.84	422.00	422.00	422.00	422.00	422.00	422.00	422.00	
	Beyond 15.00 Mtrs add Rs. 16.00 for every 1.50 mtrs lift.									-			
	Providing 0.32cms to 10cms (1/8 inch to 4 inch) size grade filter media including laying, grading and hand packing in position as per specification etc., complete.	Cum	1505.00	1460.00	-2.99	1559.00	1441.00	1488.00	1460.00	1715.00	1410.00	1410.00	
	Chapter - 8												
	Well Works												
8.1	Earthwork excavation in soil, clay, sand, shedu soil, soft murrum, including shoring, strutting, barricading, danger lighting, bailing out water wherever necessary with stacking the materials as directed upto a lead of 50 Mtr and lift of 1.5 Mtr etc., complete	Cum	154.00		-6.49		144.00	144.00				144.00	
	Add Rs. 24.00 per Cum for every 1.5 mtr lift or part thereof upto 10.50 mtr		26.00	24.00	-7.69	24.00	24.00	24.00	24.00	24.00	24.00	24.00	
D)	Add Rs.49.00 per Cum for every 1.5 mtr lift or part thereof between 10.50 to 21.00 M.		52.00	49.00	-5.77	49.00	49.00	49.00	49.00	49.00	49.00	49.00	
8.2	Earthwork excavation in hard murrum, boulders, hard Katak including shoring, strutting, barricadin, danger lighting, bailing out water wherever necessary, with stacking the materials as directed upto a lead of 50Mtr & lift of 1.50 Mtr etc., complete	Cum	187.00		-6.95		174.00	174.00				174.00	
	Add Rs. 36.00 per Cum for every 1.5 mtr lift or part thereof upto 10.50 mtr		39.00	36.00	-7.69	36.00	36.00	36.00	36.00	36.00	36.00	36.00	
D)	Add Rs. 54.00 per Cum for every 1.5 mtr lift or part thereof between 10.50 to 21.00 M.		58.00	54.00	-6.90	54.00	54.00	54.00	54.00	54.00	54.00	54.00	
8.3	Earthwork excavation in soft rock including shoring, strutting, barricading, danger lighting, bailing out water wherever necessary with stacking the materials as directed upto a lead of 50 Mtr and lift of 1.5 Mtr etc., complete	Cum	418.00	390.00	-6.70	390.00	390.00	390.00	390.00	390.00	390.00	390.00	
a)	Add Rs. 54.00 per Cum for every 1.5 mtr lift or part thereof upto 10.50 mtr		58.00	54.00	-6.90	54.00	54.00	54.00	54.00	54.00	54.00	54.00	
b)	Add Rs.72.00 per Cum for every 1.5 mtr lift or part thereof between 10.50 to 21.00 M.		78.00	72.00	-7.69	72.00	72.00	72.00	72.00	72.00	72.00	72.00	
8.4	Earthwork excavation in hard rock requiring blasting including shoring, strutting, baricading, danger lighting, bailing out water wherever necessary with stacking the materials as directed upto a lead of 50 Mtr and lift of 1.5 Mtr etc., complete	Cum	674.00	657.00	-2.52	654.00	654.00	654.00	616.00	656.00	658.00	667.00	
	Add Rs. 90.00 per Cum for every 1.5 mtr lift or part thereof upto 10.50 mtr		90.00	90.00	0.00	90.00	90.00	90.00	90.00	90.00	91.00	97.00	
	Add Rs. 145.00 per Cum for every 1.5 mtr lift or part thereof between 10.50 to 21.00 M.		145.00	145.00	0.00	145.00	145.00	145.00	145.00	145.00	145.00	155.00	
Note	For SI. No. 1, 2, 3 & 4, 10% fo basic rate shall be deducted if excavation work is done in dry condition.												

SI. No.	Specifications	Unit	• •	(Bangalo re Circle)	Increase	Mangalo re Circle		Davangere Circle	Circle	Circle	Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
8.5	Providing and laying cement concrete M-10 (1:3:6) grade using hard, granite or trap or basalt jelly 40mm and down size including machine mixing, laid in layers of 15cms thick and well compacted including lowering to any depth, dewatering and curing etc., complete as per specifications with all lead and lifts for Foundation of steining Providing and constructing C.R. IInd sort size stone masonry with approved	Cum	4202.00	4075.00	-3.02	4573.09	4061.00	4319.00	4285.00	4531.00	4473.00	4127.00	
8.6	quality of hard, granite or trap or basalt of sand stone in CM 1:6 proportioin, course not less than 20cms high with bond stones spaced at 2 Mtrs. Apart to its full width in each course including scaffolding dewatering, curing etc., complete as per specificaitons for Circular steining	Cum	3354.00	3328.00	-0.78	3449.00	3697.00	3449.00	3291.00	3401.00	3435.00	3371.00	
8.7	Providing and laying vibrated cement concrete M-10 grade using hard granite or trap or basalt jelly 20mm and down size including watering, mixing with machine mixer, laying, vibrating, curing and with smooth finishing to exposed faces and with necessary centering, formwork, scaffolding and dewatering etc., complete as per specifications for circular steining, ring bond slab	Cum	5413.00	5575.00	2.99	6472.00	5708.00	6004.00	5878.00	6499.00	6266.00	5903.00	
8.8	Supplying and erection of R.C.C. rings for well steining of 0.3 M depth using M-20 grade cement concrete using clean graded granit or trap or jelly of approved quality 20mm and down size well compacted including centering, from work and plastering for both faces with C.M.!:3 proportion as per design using 6.50mm M.S. Coil at the rate of 10 KGs/ring including cost of steel and fabrication, bailling out of water, errection etc., complete												
	For 1.80 M dia (clear) rings of steining thickness 0.075 M upto 18 M depth	Each	1417.00		13.34			1873.00				1865.00	
	For 1.50 M dia (clear) rings of steining thickness 0.075 M upto 18 M depth For 1.20 M dia (clear) rings of steining thickness 0.075 M upto 18 M depth	Each Each	1196.00 977.00		13.38 13.41	1531.00 1249.00		1579.00	1368.00 1118.00			1168.00 955.00	
8.8.b	Supplying & errection of RCC rings for well steining of 0.3 Mtr Depth using M-20 grade concrete using clean graded granite or trap or jelly of approved quality 20mm and down size well compacted including centering, from work and plastering for both faces with C.M 1:3 proportion as per design using 6.50mm M.S. coil at the rate of 10 Kgs/ring including cost of steel and fabrication, bailing out of water, errection etc., - For 3 Mtr. Dia (clear) rings of steining thickness of 0.075mm upto 18 M depth Providing and filling with boulders or rubble of approved size and quality,	Each	4171.00		-19.44		3743.00	3786.00					
8.9	including hand packing, wedging, filling in voids with quarry spalls and clean sand etc., complete with all lead and lifts, etc., complete	Cum	776.00	809.00	4.25	1148.00	878.00	764.00	809.00	794.00	725.00	755.00	
8.10	Refilling the excavated stuff in layers of 15cms thick including watering and consolidation etc., complete with an initial lead of 50Mtrs	Cum	88.00	82.00	-6.82	82.00	82.00	82.00	82.00	82.00	82.00	82.00	
	CHAPTER-9												
	Borewells and Hand Pumps												
9.1	Sinking of Borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 37CMF & above in all strata including over burden upto 20 M. fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc., complete)												
	0.00 to 50.00 mtrs	Rmtr	287.00				306.00	306.00	306.00	306.00			
	50.00 to 100.00 mtrs	Rmtr	379.00					400.00					
	100.00 to 150.00 mtrs	Rmtr	422.00					445.00					
	150.00 to 200.00 mtrs	Rmtr Pmtr	464.00		1.29			470.00					
	200.00 to 250.00 mtrs 250.00 to 300.00 mtrs	Rmtr Rmtr	513.00 550.00					544.00 583.00					
	300.00 to 350.00 mtrs	Rmtr	550.00	622.00		622.00		622.00					
5.1.7			1	022.00	1	022.00	022.00	522.00	022.00	022.00	022.00	022.00	

SI. No.	Specifications	Unit	•	Rates Worked Out for 2012-13 (Bangalo re Circle)	Increase	Mangalo re Circle		Davangere Circle	Mysore Circle	Dharwad Circle	Belgaum Circle	Bellary Circle	
1	2	3	4	5	6	7	8	9	10	11	12	13	I
9.1.8	Above 350.00 mtrs	Rmtr		658.00		658.00	658.00	658.00	658.00	658.00	658.00	658.00	ł
9.2	Sinking of Borewell of 150 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M. fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc., complete)												
	0.00 to 50.00 mtrs	Rmtr	248.00										
	50.00 to 100.00 mtrs	Rmtr	329.00										
	100.00 to 150.00 mtrs	Rmtr	382.00										
	150.00 to 200.00 mtrs	Rmtr	405.00										
	200.00 to 250.00 mtrs	Rmtr	431.00	441.00	2.32	441.00	441.00	441.00	441.00	441.00	441.00	441.00	ı —
9.2.6	Above 300.00 mtrs	Rmtr											i
9.3	Positioning of the Rig for retrival of failed borewells Raising Mast and aligning the Hammer and Drill rods mounded on the Rotary Head of the Rig concentric with Borewell of 140-149mm dia to be retried (wherever further Geo-physcial Investigation has revealed that the existing aquifer/aquifers have not been tapped to the full depth) including selection of the suitable size Bit for deepening.	Each BW	1950.00	2090.00	7.18	2090.00	2090.00	2090.00	2090.00	2090.00	2090.00	2090.00	
9.4	Geophysical Investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand Pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground water in the vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation incluing an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc.,	Each BW	1866.00	1882.00	0.86	1882.00	1882.00	1882.00	1882.00	1882.00	1882.00	1882.00	
NOTE:													ī —
1)	Additional rate on item 9.1 & 9.2 is allowed for drilling in over burden and fixing Casing Pipes beyond 20 M (for fixing Casing pipes only)												
a)	Above 20 M and upto 30 M - 15%	1							1	1			,
	Above 30 M - 30%		1	1					1	1			
	(Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20 M and projection above ground leve).												
2)	A sum of Rs. 100/- is to be deducted for Dry Borewells towards yield Test.												
9.5 9.6	Cleaning of borewells including yield testing of 39 Borewell either using slow or fast rig for not more than 2 hours at the final depth with a minimum working of 2 hours continuously with air compressor or suitable pump as per specification including the cost of consumables etc., complete. Redrilling of filled-up borewell including yield testing at final depth	Each Mtr	10640.00	10128.00			10128.00			10128.00			
	Logging/Scanning of Borewell at any depth continuously with the help of Logger unit including the cost of transportation charges, crew charges, stationery charges and cost of consumables etc., complete	Each BW	1645.00										

		. .		
sore rcle	Dharwad Circle	Belgaum Circle	Bellary Circle	Remarks
-			_	
0	11	12	13	14
58.00	658.00	658.00	658.00	
70.00	270.00	270.00	270.00	
70.00	370.00	370.00	370.00	
95.00	395.00	395.00	395.00	
18.00	418.00	418.00	418.00	
41.00	441.00	441.00	441.00	
90.00	2090.00	2090.00	2090.00	
32.00	1882.00	1882.00	1882.00	
28.00	10128.00	10128.00	10128.00	
22.00	223.00	222.00	222.00	
99.00	1599.00	1599.00	1599.00	

SI. No.	Specifications	Unit	· •	(Bangalo re Circle)		re Circle		Davangere Circle	Mysore Circle	Dharwad Circle	Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
9.8	Hydrofacturing of 146 mm to 152 mm dia Borewell by using Hydrofracturing Unit using single packer with minimum of two fractures including transportation of unit supporting vehicle, crew charges, cost of consumables and yield testing of Borewell one hour at once before fracturing and the other after fracturing with in a radius of 50 Kms from taluk head quarters including supplying necessary water for fracturing etc., complete.												
a)	- do- single packer	Each BW	14116.00	12990.00	-7.98	12990.00	12990.00	12990.00	12990.00	12990.00	12990.00	12990.00	
b)	- do - double packer	DVV											
	Yield Testing of Borewell at final depth with a minimum of 10 hours continuously with the help of Pump Testing Unit including the cost of transportation charges, crew charges and cost of consumables.	Each BW	7900.00	8056.00	1.97	8056.00	8056.00	8056.00	8056.00	8056.00	8056.00	8056.00	
9.10	Providing and Construction platform in M-15 grade Cement Concrete using hard granite or basalt or trap jelly of 20mm and down size for India Mark-II handpump as per approved drawing enclosed to the S.R. (UNICEF standards) including machine mixing laying, tamping, curing and smooth finishing to exposed faces in C.M 1:3 with necessary moulds including earth work excavation with all leads for materials etc., complete.	Each	4323.00	4470.00	3.40	4470.00	3986.00	4583.00	4470.00	4546.00	4256.00	4256.00	
9.11	Providing and Constructing Platform in CC 1:2:4 proportion using hard granite or basalt or trap jelly of 20mm down size for India Mark - III (VLOM) hand pump as per approved drawing enclosed to the S.R. according to IS 13056:1991 (UNICEF Standards) including machine mixing, laying, tamping, curing and smooth finishing to exposed faces in C.M. 1:3 with necessary moulds including earthwork excavation with all leads for materials etc., complete.	Each	7122.00	7364.00	3.40	7364.00	6556.00	7553.00	7364.00	7491.00	7006.00	7006.00	
	Erection of Hand Pumps and Repairs to Hand Pump's fitted to Borewells:-												
9.12	Erecting and Commissioning of new hand pump including fixing of G.I. pipes fixing of hand pump to the borewell and giving satisfactory test etc., complete.	Each	680.00	642.00	-5.59	642.00	642.00	642.00	642.00	642.00	642.00	642.00	
9.13	Erecting and Commissioning of new hand pump including fixing of G.I. pipes, Fixing of Hand pumps to borewell and giving satisfactory test etc., complete for India Mark-III (VLOM) Hand pump	Each	900.00	846.00	-6.00	846.00	846.00	846.00	846.00	846.00	846.00	846.00	
9.14	Repair Top Head Assembly by removing the Top Head Assembly, replacing the wornout parts such as Handle, Axle, Chain Bearings and Greasing and Reassembling in Position and giving satisfactory test etc., complete (excluding cost of parts required for replacement).	Each	324.00	307.00	-5.25	307.00	307.00	307.00	307.00	307.00	307.00	307.00	
	Dismantling India Mark-III Hand Pump from position, Releasing Plunger Rods, Valves, piston Components Overhauling / Replacing the Wornout parts and re- erecting in position the Pumpset with cutting and threading wherever necessary and adjusting then rod giving satisfactory test etc., and returning the released materials to stores (excluding cost of all materials required for replacement).	Each	253.00	248.00	-1.98	248.00	248.00	248.00	248.00	248.00	248.00	248.00	
9.16	Dismantling of India Mark-II Hand pump from position, Releasing G.I. Pipes, Plunger rods, Pump Cylinder and Strainer Overhauling the Cylinder including removing and replacing the wornout parts and re-erecting in position the Pumpset with Cutting and Threading wherever necessary and adjusting the rod, riging satisfactory test etc., complete and returning the released materials to stores (excluding cost of all materials requried for replacement).	Each	709.00	664.00	-6.35	664.00	664.00	664.00	664.00	664.00	664.00	664.00	

SI. No.	Specifications	Unit	Rates Worked Out for 2011-12 (Bangalo re Circle)	re Circle)	Increase	re Circle	Circle	Davangere Circle	Circle	Dharwad Circle	Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
9.17	Providing and Greasing the Chain of Hand pump by removing the Top Head Cover, cleaning Water Tank and Head Assembly removing all dirt Inside and Outside the Hand pump body and Refixing the Top Head Cover by fixing the bolts and nuts including replacing the Bolts and Nuts with new ones wherever necessary etc., complete (excluding cost of Spares).	Each	41.00	41.00	0.00	41.00	41.00	41.00	41.00	41.00	41.00	41.00	
9.18	Labour charges for repairing of existing hand pump above the ground level including replacing of wornout parts such as top head, inspection cover, handle, handle axis, handle bearing, chain with coupling water tank and extension or raiser pipe with plunger rod as may be required including re-assembling the pump in position and giving satisfactory water discharge test and returning of released materials to the stores etc., complete (excluding cost pf spares). Both for India Mark-II and India Mark-III Hand Pumps.	Each	195.00	190.00	-2.56	190.00	190.00	190.00	190.00	190.00	190.00	190.00	
9.19	Labour charges for repairing the existing hand pumps below the ground level after dismantling the hand pump head assembly, Water Tank riser assembly, plunger rods and pump cylinder replacing the wornout parts in the pumpset cylinder including overhauling of Cylinder, cutting the G.I. pipes and rods and threading the same re-assembling pump including greasing and giving satisfactory water discharge test and returning the released materials to stores (excluding cost pf spares) etc., complete.	Each	412.00	403.00	-2.18	403.00	403.00	403.00	403.00	403.00	403.00	403.00	
9.20	Scraping of old paints, stains etc., and painting with anti corrosive paint for hand pump with primer coats of approved paint including cost of all materials, labour, transportation etc., complete including numbering as directed by the departmental officers.	Each	332.00	317.00	-4.52	317.00	317.00	281.00	317.00	317.00	301.00	317.00	
9.21	Dismantling the existing platform and removing debris as directed.	Each	151.00	141.00	-6.62	141.00	141.00	141.00	141.00	154.00	141.00	141.00	
	Chapter-10												
	Repairs to Submersible pump sets & Replacement of parts												
	Rewinding of submersible pumpsets												
10.1.1	Upto 3 HP	Each	2300.00	2300.00	0.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00	2300.00	
	Above 3 HP upto 5 HP	Each	2600.00									2500.00	
	Above 6 HP upto 10 HP add Rs. 120 for every 0.5 HP	Each	150.00				150.00					150.00	
	Above 10 HP upto 20 HP add Rs. 150 for every 0.5 HP	Each	175.00	170.00	-2.86	170.00	170.00	170.00	170.00	170.00	170.00	170.00	
	Replacement of pump parts Pump bowls	Each	650.00	700.00	7.69	700.00	700.00	700.00	700.00	700.00	700.00	700.00	
	Intermediater piece (IP) with IP leaded Bronze bush	Each	650.00			450.00	450.00					450.00	
10.2.3	Oil seal	Each	75.00	125.00	66.67						125.00	125.00	
	Oil seal steel bush	Each	85.00									150.00	
	Guide vane	Each	175.00				175.00					175.00	
	Impeller shell moulded with aluminium and bronze Discharge Outlet (DO) Bearing and DO Steel bush	Each Each	450.00 575.00			425.00 445.00	425.00 445.00					425.00 445.00	
	Steel Bush	Each	160.00	150.00			150.00		150.00			150.00	
	D.O. Bearing	Each	325.00									285.00	
	Allen Screw	Each	25.00				25.00					25.00	
10.2.11	Pump shafts (Stainless Steel) counter less ground with key way upto 8 stemps.	Each	1150.00	950.00	-17.39	950.00	950.00	950.00	950.00	950.00	950.00	950.00	
	Pump key (Stainless Steel) upto 8 steps	Each	140.00			125.00	125.00					125.00	
	Pump coupling Stainless	Each	300.00				250.00					250.00	
	Non return valve (NRV) assembly complete with rubber "O" ring	Each	1350.00									1350.00	
10.2.15	Cable guard Stainer	Each Each	175.00 150.00									150.00 150.00	
	Brass Filter	Each	300.00			250.00						250.00	
	Labour charges (over-hauling) only	Each	500.00				550.00					550.00	
	Replacement of Motor parts			223.00									
	Starter : 3 HP	Each	4600.00	4200.00	-8.70	4200.00	4200.00	4200.00	4200.00	4200.00	4200.00	4200.00	

SI. No.	Specifications	Unit	Rates Worked Out for 2011-12 (Bangalo re Circle)	(Bangalo	% age Increase	Mangalo re Circle		Davangere Circle	Mysore Circle	Dharwad Circle	Belgaum Circle	Bellary Circle	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Starter : 4 HP	Each	4600.00		0.00		4600.00		4600.00	4600.00		4600.00	
	Starter : 5 HP (with one year guarantee)	Each	4800.00		5.21	5050.00	5050.00			5050.00		5050.00	
	Upto 3 HP Rotor	Each	4300.00		-4.65		4100.00			4100.00		4100.00	
	Upto 4 HP Rotor	Each	4500.00		-3.56		4340.00		4340.00	4340.00		4340.00	
	Upto 5 HP Rotor (with one year guarantee)	Each	4500.00		4.44	4700.00	4700.00		4700.00	4700.00		4700.00	
	Upper Flange	Each	375.00	350.00	-6.67	350.00	350.00		350.00	350.00		350.00	
	Upper Housing	Each	650.00	650.00	0.00	650.00	650.00		650.00	650.00		650.00	
	Lower Housing	Each	650.00	650.00	0.00	650.00	650.00		650.00	650.00		650.00	
	Lower Flange	Each	375.00	350.00	-6.67	350.00	350.00		350.00	350.00		350.00	
	Lock Ring	Each	75.00	85.00	13.33	85.00	85.00	85.00	85.00	85.00	85.00	85.00	
	Carbon housing thrust bearing block assembly complete with segment bearing pad and top carbon/Feroda pad												
10.3.12	Carbon Housing	Each	500.00	475.00	-5.00	475.00	475.00	475.00	475.00	475.00	475.00	475.00	
10.3.13	Thurst Bearing block assembly	Each	1150.00	1150.00	0.00	1150.00	1150.00	1150.00	1150.00	1150.00	1150.00	1150.00	
	Tip Carbon/ ferrodo padding	Each	150.00	85.00	-43.33	85.00	85.00	85.00	85.00	85.00	85.00	85.00	
10.3.15	Studs and Nuts	Each	70.00	50.00	-28.57	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
	Bearing (Gun Metal) centrifugal cast aluminium bronze bearing bush	Each	430.00	400.00	-6.98	400.00	400.00	400.00	400.00	400.00	400.00	400.00	
10.3.17		Each	50.00	50.00	0.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
	Motor Base with pin	Each	480.00	475.00	-1.04	475.00			475.00	475.00		475.00	
10.3.19	Labour charges overhauling only	Job	600.00	550.00	-8.33	550.00	550.00		550.00	550.00		550.00	
	Lifting of pump sets	Job	850.00	850.00	0.00	850.00	850.00		850.00	850.00		850.00	
	Transportation	Job	850.00	900.00	5.88	900.00	900.00		900.00	900.00		900.00	
10.3.22	Erection charges	Job	850.00	950.00	11.76	950.00	950.00	950.00	950.00	950.00	950.00	950.00	