

**COMPARATIVE STATEMENT SHOWING THE RATES OF DIFFERENT PRE CIRCLES FOR THE YEAR 2012-13 PERTAINING TO WATER SUPPLY**

Sl. No.	Specifications	Unit	Rates Worked Out for 2011-12 (Bangalore Circle)	Rates Worked Out for 2012-13 (Bangalore Circle)	% age Increase	Mangalore Circle	Gulbarga 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
<b>Chapter -1</b>													
<b>EARTH WORK</b>													
1.1	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, strutting, barricading, danger lighting etc., complete - By Manual Means.												
1.1.1	In Ordinary Soil	Cum	132.00	123.00	-6.82	123.00	123.00	123.00	123.00	123.00	123.00	123.00	
1.1.2	In Hard Soil	Cum	184.00	171.00	-7.07	171.00	171.00	171.00	171.00	171.00	171.00	171.00	
1.1.3	In Ordinary rock without blasting	Cum	424.00	395.00	-6.84	395.00	395.00	395.00	395.00	395.00	395.00	395.00	
1.1.4	In Hard rock with blasting	Cum	429.00	409.00	-4.66	415.00	410.00	420.00	409.00	409.00	410.00	415.00	Belgaum Circle is higher than other Circles. Due to Variation of Materials Rate
1.1.5	In Hard rock by chiselling and Wedging (Where blasting is prohibited)	Cum	884.00	820.00	-7.24	820.00	820.00	820.00	820.00	820.00	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	290.00	319.00	
1.2	Earthwork excavation for pipeline trenches including depositing on bank upto a lead of 50 mtrs. Including shoring and strutting, danger lighting and using sight rails and boning rods at every 100 mtrs. Wherever necessary as directed in the following strata etc., complete- By Manual Means.												
1.2.1	In Ordinary soil	Cum	145.00	135.00	-6.90	136.00	135.00	135.00	135.00	135.00	135.00	135.00	
1.2.2	In hard soil	Cum	202.00	188.00	-6.93	188.00	188.00	188.00	188.00	188.00	188.00	188.00	
1.2.3	In Ordinary rock without blasting	Cum	466.00	436.00	-6.44	435.00	434.00	434.00	434.00	435.00	435.00	434.00	Bangalore Circle is higher than other Circles. Due to Variation of Materials Rate
1.2.4	In Hard rock with blasting	Cum	472.00	450.00	-4.66	457.00	457.00	462.00	450.00	450.00	451.00	457.00	Belgaum Circle is higher than other Circles. Due to Variation of Materials Rate
1.2.5	In Hard rock by chiselling and Wedging	Cum	972.00	902.00	-7.20	902.00	902.00	902.00	902.00	902.00	902.00	902.00	
1.2.6	In Marshy soil	Cum	377.00	351.00	-6.90	351.00	351.00	351.00	351.00	351.00	319.00	351.00	
1.3	Earth work excavation for foundation of structure 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 etc., complete - By Mechanical Means												
1.3.1	In Ordinary soil /hard soil	Cum	30.00	30.00	0.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	
1.3.2	In Ordinary rock without blasting	Cum	40.00	40.00	0.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00	
1.3.3	In Hard rock with blasting	Cum	508.00	500.00	-1.57	506.00	501.00	483.00	500.00	500.00	500.00	506.00	Davangere Circle is lower than other Circles. Due to -----
1.3.4	In Marshy soil	Cum	140.00	136.00	-2.86	229.00	276.00	198.00	135.00	229.00	229.00	229.00	Bangalore Circle is lower than other Circles. Due to variation in Gravel Rates
1.4	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 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	45.00	45.00	
1.4.2	In Ordinary rock without blasting	Cum	60.00	60.00	0.00	60.00	60.00	60.00	60.00	60.00	59.00	60.00	

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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	0.00	38.00	38.00	38.00	38.00	38.00	37.00	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											
1.7.1	Cutting macadam road	Cum	187.00	174.00	-6.95	174.00	174.00	174.00	174.00	174.00	174.00	174.00	
1.7.2	Cutting Asphalt surface road	Cum	242.00	225.00	-7.02	225.00	225.00	225.00	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
	<b>Note for 1.1 to 1.5</b>												
	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.												
	<b>Chapter-2</b>												
	<b>CONCRETE AND MASONARY WORKS</b>												
	<b>NOTE: (1) For all types of Concrete &amp; Stone masonry Works considering all Leads. (2) Machine mixer &amp; Vibrator shoud invariably be used for RCC works.</b>												
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	

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1	2	3	4	5	6	7	8	9	10	11	12	13	14
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	3834.00	3834.00	
2.3	Providing and constructing granite or trap or basalt or sand stone, uncoursed rubble stone masonry with Cm 1:6 proportion 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	2165.00	2165.00	
2.4	Providing and constructing granite or trap or basalt or Sand stone, coursed rubble second sort size stone masonry 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	For Basement in CM 1:6	Cum	3188.00	3126.00	-1.94	3016.00	3822.00	3142.00	2997.00	3227.00	3187.00	3189.00	
2.4.2	For Superstructure in CM 1:6	Cum	3416.00	3168.00	-7.26	3057.00	3864.00	3183.00	3038.00	3269.00	3231.00	3231.00	
2.5	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 & providing necessary hydraulic test for Water tightness.	Cum	3399.00	3457.00	1.71	3372.00	4139.00	3472.00	3332.00	3558.00	3515.00	3515.00	
2.6	Providing and laying granite or trap or basalt jelly cement concrete <b>M-10</b> proportion on using 20 mm and down size jelly including machine mixing, laying tamping, curing and plastering for exposed face with cement mortar 1:4 proportion and with necessary centering,form work etc. complete.												
2.6.1	For Basement	Cum	3573.00	3979.00	11.36	4529.00	3931.00	4158.00	4130.00	4350.00	4055.00	4055.00	
2.6.2	For Cills, Coping, Bond slab	Cum	3992.00	4116.00	3.11	4525.00	4067.00	4300.00	4272.00	4698.00	4194.00	4194.00	
2.7	Providing and laying granite or trap or basalt jelly vibrated cement concrete <b>M-15</b> proportion using 20 mm and down size jelly including machine mixing, laying , vibrating, tamping, 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	4640.00	4503.00	-2.95	5167.00	4452.00	4698.00	4676.00	5121.00	4626.00	4626.00	
2.8	Providing and laying vibrated cement concrete using design mix <b>M-20</b> 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 mortar 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	5263.00	-0.70	5864.00	5166.00	5425.00	5414.00	5776.00	5665.00	5751.00	
2.8.2	For Vertical side walls	Cum	6312.00	6456.00	2.28	7185.00	6330.00	6648.00	6634.00	7078.00	6942.00	7048.00	
2.9	Providing and laying vibrated cement concrete using design mix <b>M-25</b> 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)												
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	5863.00	5944.00	







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1	2	3	4	5	6	7	8	9	10	11	12	13	14
3.10.3	150 mm	Each	33.00	31.00	-6.06	31.00	31.00	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	
<b>c)</b>	<b>Keeping in position</b>												
3.10.1	80 mm Dia	Each	22.00	21.00	-4.55	21.00	21.00	21.00	21.00	21.00	21.00	21.00	
3.10.2	100 mm Dia	Each	30.00	28.00	-6.67	28.00	28.00	28.00	28.00	28.00	28.00	28.00	
3.10.3	150 mm Dia	Each	44.00	41.00	-6.82	41.00	41.00	41.00	41.00	41.00	41.00	41.00	
3.10.4	200 mm Dia	Each	66.00	62.00	-6.06	62.00	62.00	62.00	62.00	62.00	62.00	62.00	
<b>3.11</b>	<b>Threading of G.I. Pipes</b>												
3.11.1	15 mm dia	Each	10.00	9.00	-10.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	
3.11.2	20 mm dia	Each	11.00	10.00	-9.09	10.00	10.00	10.00	10.00	10.00	10.00	10.00	
3.11.3	25 mm dia	Each	13.00	12.00	-7.69	12.00	12.00	12.00	12.00	12.00	12.00	12.00	
3.11.4	32 mm dia	Each	15.00	14.00	-6.67	14.00	14.00	14.00	14.00	14.00	14.00	14.00	
3.11.5	40 mm dia	Each	18.00	17.00	-5.56	17.00	17.00	17.00	17.00	17.00	17.00	17.00	
3.11.6	50 mm dia	Each	27.00	25.00	-7.41	25.00	25.00	25.00	25.00	25.00	25.00	25.00	
3.11.7	65 mm dia	Each	31.00	29.00	-6.45	29.00	29.00	29.00	29.00	29.00	29.00	29.00	
3.11.8	80 mm dia	Each	49.00	45.00	-8.16	45.00	45.00	45.00	45.00	45.00	45.00	45.00	
3.11.9	100 mm dia	Each	53.00	50.00	-5.66	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
<b>3.12</b>	<b>Fixing gland cock (15 mm to 65 mm)</b>	Each	10.00	9.00	-10.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	
	<b>END CONNECTIONS</b>												
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 x 1.80 in with pot rests of size 0.3 m x 0.3 m x 0.15 m in cement concrete 1:2:4 proportion with central deep and with cement concrete kerb (1:2:4) of 20 cm thick 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 earth work excavation 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 1.22mx1.22m 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 allround 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	

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1	2	3	4	5	6	7	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	
<b>Chapter - 4</b>													
<b>R.C.C. OVERHEAD TANKS</b>													
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	7897.00	7356.00	7215.00	7379.00	7866.00	7594.00	7774.00	
4.2.a.3	Staging of 9.00 Mtr height	Cum	7775.00	7439.00	-4.32	8100.00	7545.00	7400.00	7569.00	8068.00	7789.00	7974.00	
4.2.a.4	Staging of 10.50 Mtr height	Cum	7950.00	7630.00	-4.03	8308.00	7739.00	7590.00	7764.00	8276.00	7989.00	8179.00	
4.2.a.5	Staging of 12.00 Mtr height	Cum	8125.00	7826.00	-3.68	8522.00	7938.00	7785.00	7964.00	8488.00	8195.00	8389.00	
4.2.a.6	Staging of 15.00 Mtr height	Cum	8300.00	8027.00	-3.29	8741.00	8142.00	7985.00	8169.00	8706.00	8405.00	8605.00	
4.2.a.7	Staging of 18.00 Mtr height	Cum	8475.00	8233.00	-2.86	8966.00	8351.00	8190.00	8379.00	8930.00	8621.00	8826.00	
4.2.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 for staging, columns and braces above ground level (exclusive of cost of steel and fabrication charges)												
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	
4.2.b.2	Staging of 7.50 Mtr height	Cum	8442.00	7435.00	-11.93	8096.00	7531.00	7398.00	7559.00	8057.00	7769.00	7953.00	
4.2.b.3	Staging of 9.00 Mtr height	Cum	8617.00	7626.00	-11.50	8304.00	7725.00	7588.00	7753.00	8264.00	7969.00	8157.00	
4.2.b.4	Staging of 10.50 Mtr height	Cum	8792.00	7822.00	-11.03	8517.00	7924.00	7783.00	7952.00	8476.00	8174.00	8367.00	
4.2.b.5	Staging of 12.00 Mtr height	Cum	8967.00	8023.00	-10.53	8736.00	8128.00	7983.00	8156.00	8694.00	8384.00	8582.00	
4.2.b.6	Staging of 15.00 Mtr height	Cum	9142.00	8229.00	-9.99	8961.00	8337.00	8188.00	8366.00	8917.00	8599.00	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	



Sl. No.	Specifications	Unit	Rates Worked Out for 2011-12 (Bangalore Circle)	Rates Worked Out for 2012-13 (Bangalore Circle)	% age Increase	Mangalore Circle	Gulbarga 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
4.2.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)												
4.2.c.1	Staging of 6.00 Mtr height	Cum		7381.00		8036.00	7468.00	7356.00	7503.00	7982.00	7704.00	7884.00	
4.2.c.2	Staging of 7.50 Mtr height	Cum		7571.00		8243.00	7660.00	7545.00	7696.00	8187.00	7902.00	8087.00	
4.2.c.3	Staging of 9.00 Mtr height	Cum		7766.00		8455.00	7857.00	7739.00	7894.00	8397.00	8105.00	8295.00	
4.2.c.4	Staging of 10.50 Mtr height	Cum		7966.00		8672.00	8059.00	7988.00	8097.00	8613.00	8313.00	8508.00	
4.2.c.5	Staging of 12.00 Mtr height	Cum		8171.00		8895.00	8266.00	8142.00	8305.00	8834.00	8527.00	8727.00	
4.2.c.6	Staging of 15.00 Mtr height	Cum		8381.00		9124.00	8478.00	8351.00	8518.00	9061.00	8746.00	8951.00	
4.2.c.7	Staging of 18.00 Mtr height	Cum		8596.00		9358.00	8696.00	8566.00	8737.00	9294.00	8971.00	9181.00	
Note:	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)												
4.3.a.1	Staging of 6.0 Mtr height	Cum	11572.00	10972.00	-5.18	11715.00	11102.00	10730.00	11101.00	11670.00	11360.00	11592.00	
4.3.a.2	Staging of 7.5 Mtr height	Cum	11747.00	11147.00	-5.11	11890.00	11277.00	10950.00	11276.00	11845.00	11535.00	11767.00	
4.3.a.3	Staging of 9.0 Mtr height	Cum	11922.00	11322.00	-5.03	12065.00	11452.00	11080.00	11451.00	12020.00	11710.00	11942.00	
4.3.a.4	Staging of 10.5 Mtr height	Cum	12097.00	11497.00	-4.96	12240.00	11627.00	11255.00	11626.00	12195.00	11885.00	12117.00	
4.3.a.5	Staging of 12.0 Mtr height	Cum	12272.00	11672.00	-4.89	12415.00	11802.00	11430.00	11801.00	12370.00	12060.00	12292.00	
4.3.a.6	Staging of 15.0 Mtr height	Cum	12447.00	11847.00	-4.82	12590.00	11977.00	11605.00	11976.00	12545.00	12235.00	12467.00	
4.3.a.7	Staging of 18.0 Mtr height	Cum	12622.00	12022.00	-4.75	12765.00	12152.00	11980.00	12151.00	12720.00	12410.00	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)												
4.3.b.1	Staging of 6.0 Mtr height	Cum	12406.00	11150.00	-10.12	11908.00	11272.00	10980.00	11283.00	11861.00	11531.00	11767.00	
4.3.b.2	Staging of 7.5 Mtr height	Cum	12581.00	11325.00	-9.98	12083.00	11447.00	11084.00	11458.00	12036.00	11706.00	11942.00	
4.3.b.3	Staging of 9.0 Mtr height	Cum	12756.00	11500.00	-9.85	12258.00	11622.00	11259.00	11633.00	12211.00	11881.00	12117.00	
4.3.b.4	Staging of 10.5 Mtr height	Cum	12931.00	11675.00	-9.71	12433.00	11797.00	11434.00	11808.00	12386.00	12056.00	12292.00	
4.3.b.5	Staging of 12.0 Mtr height	Cum	13106.00	11850.00	-9.58	12608.00	11972.00	11609.00	11983.00	12561.00	12231.00	12467.00	
4.3.b.6	Staging of 15.0 Mtr height	Cum	13281.00	12025.00	-9.46	12783.00	12147.00	11784.00	12158.00	12736.00	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	

Sl. No.	Specifications	Unit	Rates Worked Out for 2011-12 (Bangalore Circle)	Rates Worked Out for 2012-13 (Bangalore Circle)	% age Increase	Mangalore Circle	Gulbarga 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
4.3.c	Providing and laying Reinforced cement concrete of mix design of <b>M-30</b> 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)												
4.3.c.1	Staging of 6.0 Mtr height	Cum		11282.00		12052.00	11397.00	11052.00	11416.00	11980.00	11661.00	11897.00	
4.3.c.2	Staging of 7.5 Mtr height	Cum		11457.00		12227.00	11572.00	11227.00	11591.00	12155.00	11836.00	12072.00	
4.3.c.3	Staging of 9.0 Mtr height	Cum		11632.00		12402.00	11747.00	11402.00	11766.00	12330.00	12011.00	12247.00	
4.3.c.4	Staging of 10.5 Mtr height	Cum		11807.00		12577.00	11922.00	11577.00	11941.00	12505.00	12186.00	12422.00	
4.3.c.5	Staging of 12.0 Mtr height	Cum		11982.00		12752.00	12097.00	11752.00	12116.00	12680.00	12361.00	12597.00	
4.3.c.6	Staging of 15.0 Mtr height	Cum		12157.00		12927.00	12272.00	11927.00	12291.00	12855.00	12536.00	12772.00	
4.3.c.7	Staging of 18.0 Mtr height	Cum		12332.00		13102.00	12447.00	12102.00	12466.00	13030.00	12711.00	12947.00	
4.4.a	Providing and laying Reinforced cement concrete of mix design of <b>M-20</b> 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)												
4.4.a.1	Staging of 6.0 Mtr height	Cum	9416.00	8832.00	-6.20	9353.00	8833.00	8597.00	8957.00	9576.00	9167.00	8851.00	
4.4.a.2	Staging of 7.5 Mtr height	Cum	9591.00	9007.00	-6.09	9528.00	9008.00	8772.00	9132.00	9751.00	9342.00	9026.00	
4.4.a.3	Staging of 9.0 Mtr height	Cum	9766.00	9182.00	-5.98	9703.00	9183.00	8947.00	9307.00	9926.00	9517.00	9201.00	
4.4.a.4	Staging of 10.5 Mtr height	Cum	9941.00	9357.00	-5.87	9878.00	9358.00	9122.00	9482.00	10101.00	9692.00	9376.00	
4.4.a.5	Staging of 12.0 Mtr height	Cum	10116.00	9532.00	-5.77	10053.00	9533.00	9297.00	9657.00	10276.00	9867.00	9551.00	
4.4.a.6	Staging of 15.0 Mtr height	Cum	10291.00	9707.00	-5.67	10228.00	9708.00	9472.00	9832.00	10451.00	10042.00	9726.00	
4.4.a.7	Staging of 18.0 Mtr height	Cum	10466.00	9882.00	-5.58	10403.00	9883.00	9647.00	10007.00	10626.00	10217.00	9901.00	
4.4.b	Providing and laying Reinforced cement concrete of mix design of <b>M-25</b> 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)												
4.4.b.1	Staging of 6.0 Mtr height	Cum	10257.00	9263.00	-9.69	9801.00	9402.00	9030.00	9384.00	9767.00	9335.00	9679.00	
4.4.b.2	Staging of 7.5 Mtr height	Cum	10432.00	9438.00	-9.53	9976.00	9577.00	9205.00	9559.00	9942.00	9510.00	9854.00	
4.4.b.3	Staging of 9.0 Mtr height	Cum	10607.00	9613.00	-9.37	10151.00	9752.00	9380.00	9734.00	10117.00	9685.00	10029.00	
4.4.b.4	Staging of 10.5 Mtr height	Cum	10782.00	9788.00	-9.22	10326.00	9927.00	9555.00	9909.00	10292.00	9860.00	10204.00	
4.4.b.5	Staging of 12.0 Mtr height	Cum	10957.00	9963.00	-9.07	10501.00	10102.00	9730.00	10084.00	10467.00	10035.00	10379.00	
4.4.b.6	Staging of 15.0 Mtr height	Cum	11132.00	10138.00	-8.93	10676.00	10277.00	9905.00	10259.00	10642.00	10210.00	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	



Sl. No.	Specifications	Unit	Rates Worked Out for 2011-12 (Bangalore Circle)	Rates Worked Out for 2012-13 (Bangalore Circle)	% age Increase	Mangalore Circle	Gulbarga 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	
4.14	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	
	<b>Note:- Data every additional running meter (for item no 4.15)</b>		470.00	434.00	-7.66	458.00	434.00	434.00	434.00	434.00	539.00	434.00	
	<b>Chapter - 5</b>												
	<b>WELL SINKING</b>												
5.1	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	M.T.	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 proportion 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 mortar 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 proportion 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 mortar 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	

Sl. No.	Specifications	Unit	Rates Worked Out for 2011-12 (Bangalore Circle)	Rates Worked Out for 2012-13 (Bangalore Circle)	% age Increase	Mangalore Circle	Gulbarga 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 tying 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 tying 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 of 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 <b>M-20</b> proportion 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 mortar 1:3 proportion. The admixture of water proof compound of requisite proportion of approved quality with a machine mix, vibrating, curing and making construction 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 <b>M-25</b> proportion 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 mortar 1:3 proportion. The admixture of water proof compound of requisite proportion of approved quality with a machine mix, vibrating, curing and making construction 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 stening 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 <b>M-20Grade</b> 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 <b>M-25 Grade</b> 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	















