

# City Municipal Council, Chikkamagalur

ಕಾಮಗಾರಿ ಹೆಸರು :ವಾರ್ಡ್ ನಂ 1 ರಿಂದ 35ರ ವರೆಗೆ ತುಡಾಗಿರುವ ಕಡೆ ಒಳಚರಂಡಿ ನಿರ್ಮಾಣದ ತುರ್ತು ಕಾಮಗಾರಿಗಳನ್ನು ಆಗಿಂದಾಗ್ಗೆ ನಿರ್ವಹಿಸುವುದು.

Municipal Fund - 2026-27						Estimated Cost 4998000.00 lakhs		
1	Dismantling of Flexible pavements and disposal of dismantled materials and stacking serviceable and unserviceable materials separately.By Mechanical Means Bituminous course (P-12, I-2.18,II As per CSR 2023-24 Vol-3)							
	Basic rate=		322.00					
	Area weightage3%=		9.66					
	Total Amount=		331.66					
	For pipe line 200mm	1	150.00	1.00	0.075	11.25		
		1	300.00	1.00	0.075	22.50		
		1	300.00	1.00	0.075	22.50		
		1	120.00	1.00	0.075	9.00		
	Manhole 4m	5	2.10	2.10	0.075	1.65		
	Manhole 3m	12	1.80	1.80	0.075	2.92		
	Manhole 2m	10	1.80	1.80	0.075	2.43		
	Manhole 1m	4	1.80	1.80	0.075	0.97		
				Total Qty =	73.22	cum	331.66	24284.73
2	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work In all kinds of soils Depth upto 3 m (P.No:8, I.No:1.14.1 of KPWD Common S.R Vol-I)							
	Basic rate=		102.00					
	Area weightage3%=		3.06					
	Total Amount=		105.06					
	For pipe line 200mm	1	150.00	1.00	3.00	450.00		
		1	300.00	1.00	3.00	900.00		
		1	300.00	1.00	2.00	600.00		
		1	120.00	1.00	1.00	120.00		
	Manhole 4m	5	2.10	2.10	4.00	88.20		
	Manhole 3m	12	1.80	1.80	3.00	116.64		
	Manhole 2m	10	1.80	1.80	2.00	64.80		
	Manhole 1m	4	1.80	1.80	1.00	12.96		
				Total Qty =	2352.60	cum	105.06	247164.16

3	Supplying UPVC FOAM CORE pipes conforming to IS 16098 P-1 2013 with latest amendments ended with integral sockets with ISI mark and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading and unloading at both destinations and cuts of pipes wherever necessary including jointing of UPVC pipes (with cost of elastomeric sealing rings) and specials (excluding cost of specials) with jointing of approved type, with all labour, lead & lifts, including encasing the pipes alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (contractor will make his own arrangements for procuring water for testing) for Pipes of SN8 Self Fit - 200mm dia...(P-114, I-10.3.4as per CSR 2023-24 Vol-5)								
	Basic rate=		890.00						
	Area weightage 3%=		26.70						
	Total Amount=		916.70						
	Pipeline 200mm dia	1	150.00	--	--	150.00			
		1	300.00	--	--	300.00			
		1	300.00	--	--	300.00			
		1	120.00	--	--	120.00			
				Total Qty =		870.00	Rmt	916.70	797529.1
4	Providing and constructing of Machinehole chambers conical in shape at top with CC 1:3:6 foundation using 40mm and down size graded metal of approved quality and with an offset of 0.15m alround the chamber and brick masonry in C.M 1:4 plaster with bricks of approved quality and CM plaster 1:3 proportion 12mm thick inside and outside except for the conical surface outside where the thickness of plaster shall be 20 mm thick, with 1 to 6 slope in the concrete towards the central drain, finished smooth and fixing of pipes in CC 1:2:4 with graded metal of 20 mm and down size including supplying and fixing SFRC Machinehole frame and cover confoming to IS 12592(Part-I): 1988 & IS 12592(Part-II) :1991 with latest amendments in CC 1:2:4, supplying and fixing of plastic foot steps staggered at 30cms apart as directed, watering, curing,barricading, danger lighting, pouring tar over M.H. frame and cover, cost of tar, shoring, strutting, dewatering, engraving Machinehole No. on the inner nd outer conical surface etc. as per the drawing with all lead and lift for various diameters and depths noted below.Constructing Table Moulded Bricks Machinehole 1.5 m internal dia. , 4.0M depth & Heavy duty SFRC cover & frame & Heavy duty SFRC cover & frame(P.No 204, I.No.16.46.3 of KPWD CSR 2023-24 Vol 5)-4.00 deep								
	Basic rate=		117381.00						
	Area weightage 3%=		3521.43						
	Total Amount=		120902.43						
		5.00	--	--	--	5.00			
						5.00	Nos	120902.43	604512.1

5	Providing and constructing of Machinehole chambers conical in shape at top with CC 1:3:6 foundation using 40mm and down size graded metal of approved quality and with an offset of 0.15m around the chamber and brick masonry in C.M 1:4 plaster with bricks of approved quality and CM plaster 1:3 proportion 12mm thick inside and outside except for the conical surface outside where the thickness of plaster shall be 20 mm thick, with 1 to 6 slope in the concrete towards the central drain, finished smooth and fixing of pipes in CC 1:2:4 with graded metal of 20 mm and down size including supplying and fixing SFRC Machinehole frame and cover conforming to IS 12592(Part-I): 1988 & IS 12592(Part-II):1991 with latest amendments in CC 1:2:4, supplying and fixing of plastic foot steps staggered at 30cms apart as directed, watering, curing, barricading, danger lighting, pouring tar over M.H. frame and cover, cost of tar, shoring, strutting, dewatering, engraving Machinehole No. on the inner and outer conical surface etc. as per the drawing with all lead and lift for various diameters and depths noted below. Constructing Table Moulded Bricks Machinehole 1.2 m internal dia. , 3.0M depth & Heavy duty SFRC cover & frame(P.No 204, I.No.16.46.3 of KPWD CSR2023-24 Vol 5)-3.00 deep									
	Basic rate=		71728.00							
	Area weightage 3%=		2151.84							
	Total Amount=		73879.84							
		12	--	--	--		12.00			
							12.00	Nos	73879.84	886558.08
6	Providing and constructing of Machinehole chambers conical in shape at top with CC 1:3:6 foundation using 40mm and down size graded metal of approved quality and with an offset of 0.15m around the chamber and brick masonry in C.M 1:4 plaster with bricks of approved quality and CM plaster 1:3 proportion 12mm thick inside and outside except for the conical surface outside where the thickness of plaster shall be 20 mm thick, with 1 to 6 slope in the concrete towards the central drain, finished smooth and fixing of pipes in CC 1:2:4 with graded metal of 20 mm and down size including supplying and fixing SFRC Machinehole frame and cover conforming to IS 12592(Part-I): 1988 & IS 12592(Part-II):1991 with latest amendments in CC 1:2:4, supplying and fixing of plastic foot steps staggered at 30cms apart as directed, watering, curing, barricading, danger lighting, pouring tar over M.H. frame and cover, cost of tar, shoring, strutting, dewatering, engraving Machinehole No. on the inner and outer conical surface etc. as per the drawing with all lead and lift for various diameters and depths noted below. Constructing Table Moulded Bricks Machinehole 1.2 m internal dia. , 2.0m depth & Heavy duty SFRC cover & frame(P.No 204, I.No.16.46.2 of KPWD CSR2023-24 Vol 5)-2.00 deep									
	Basic rate=		47106.00							


	Area weightage 3%=		1413.18						
	Total Amount=		48519.18						
		10	--	--	--	10.00			
						10.00	Nos	48519.18	48519.18
7	Providing and constructing of Machinehole chambers conical in shape at top with CC 1:3:6 foundation using 40mm and down size graded metal of approved quality and with an offset of 0.15m around the chamber and brick masonry in C.M 1:4 plaster with bricks of approved quality and CM plaster 1:3 proportion 12mm thick inside and outside except for the conical surface outside where the thickness of plaster shall be 20 mm thick, with 1 to 6 slope in the concrete towards the central drain, finished smooth and fixing of pipes in CC 1:2:4 with graded metal of 20 mm and down size including supplying and fixing SFRC Machinehole frame and cover conforming to IS 12592(Part-I): 1988 & IS 12592(Part-II):1991 with latest amendments in CC 1:2:4, supplying and fixing of plastic foot steps staggered at 30cms apart as directed, watering, curing, barricading, danger lighting, pouring tar over M.H. frame and cover, cost of tar, shoring, strutting, dewatering, engraving Machinehole No. on the inner and outer conical surface etc. as per the drawing with all lead and lift for various diameters and depths noted below. Constructing Table Moulded Bricks Machinehole 1.2 m internal dia. , 1.0m depth & Heavy duty SFRC cover & frame(P.No 204, I.No.16.46.1 of KPWD CSR2023-24 Vol 5)-1.00 deep								
	Basic rate=		24999.00						
	Area weightage 3%=		749.97						
	Total Amount=		25748.97						
		4	--	--	--	4.00			
						4.00	Nos	25748.97	102995.1
8	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.(P.No 7, I.No.1.10 of KPWD CS.R VOL 1)								
	Basic rate=		160.00						
	Area weightage 3%=		4.80						
	Total Amount=		164.80						
	i)For pipeline	1	150.00	1.00	3.80	570.00			
		1	300.00	1.00	2.80	840.00			
		1	300.00	1.00	1.80	540.00			
		1	120.00	1.00	0.80	96.00			
	ii)For Manhole	5	2.10	2.10	3.80	83.79			
		12	1.80	1.80	2.80	108.86			
		10	1.80	1.80	1.80	58.32			
		4	1.80	1.80	0.80	10.37			
					Quantity	2307.34			

Deductions	1	870.00	3.14*(0.20*0.20)/4	27.32			
	5	3.14*(1.5*1.5)/4	3.80	33.63			
	12	3.14*(1.2*1.2)/4	2.80	37.97			
	10	3.14*(1.2*1.2)/4	1.80	20.34			
	4	3.14*(1.2*1.2)/5	0.80	3.62			
			Deductions	122.87			
			Total Qty =	2184.47	cum	164.80	360000.66
9 Construction of Embankment by excavating the available approved Gravel/ Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, preading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenances required to complete the work.(P.No 7 I.No.1.8of C S.R 2023-24,vol-1)							
Basic rate		474.00					
Area weightage3%		14.22					
Total Amount=		488.22					
i)For pipeline	1	150.00	1.00	0.20	30.00		
	1	300.00	1.00	0.20	60.00		
	1	300.00	1.00	0.20	60.00		
	1	120.00	1.00	0.20	24.00		
iii)For Manhole	5.00	2.1x4	0.30	0.20	2.52		
	26.00	1.8x4	0.30	0.20	11.23		
			Total Qty =	187.75	Cum	488.22	91664.28
10 Providing, laying, spreading and compacting graded stoneaggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mixplant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course onwell prepared surface and compacting with vibratory roller toachieve the desired density. (P.No 24, I.No.4.17of C S.R 2023-24,vol-3)							
Basic rate		2559.00					
Area weightage3%		76.77					
Total Amount=		2635.77					
i)For pipeline	1	150.00	1.00	0.20	30.00		
	1	300.00	1.00	0.20	60.00		
	1	300.00	1.00	0.20	60.00		
	1	120.00	1.00	0.20	24.00		
iii)For Manhole	5.00	2.1x4	0.30	0.20	2.52		
	26.00	1.8x4	0.30	0.20	11.23		
			Total Qty =	187.75	Cum	2635.77	494871.09
11 Providing 50 mm Dia HDPE Sleeve pipe with allied accessories at ferrule point of HSC to assist in regulating flow with allen key with appurtenances., complete.(P.No 109, I.No.9.22 C S.R2023-24,VOL5)							
Basic rate		293.00	no				
Area weightage 3%		8.79					

	Total Amount=		301.79						
		70				70.00			
				Total Qty =	70.00	no.s	301.79	21125.3	
12	Providing PVC ringite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. complete For:PVC pipes 110mm dia., 6 kg/sqcm & class 3(P.No 113 I.No.10.1.7 S.R2023-24,VOL5)								
	Basic rate		411.00	m					
	Area weightage 3%		12.33						
	Total Amount=		423.33						
	(A) For pipe line								
	I)200mm Dia	70	2.50			175.00			
				Total Qty =	175.00	m	423.33	74082.75	
13	Providing and fixing Unplasticised Polyvinyl Chloride (uPVC) pipes, for cold water supply including all uPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step uPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work15 mm nominal dia Pipes (CSR 2023-24, Item No:-13.50.1, Page No:-125, Vol-2)								
	(CSR 2023-24, Item No:-13.50.1, Page No:-125, Vol-2)								
	Basic rate		140.00						
	Area weightage 3%		4.20						
	Total Amount=		144.20						
		70	2.00			140.00			
				Total Qty=	140.00	r.mtr	144.20	20188.00	

14	Providing & fixing electro fusion saddle comply with BS EN12201 - 3:2011, PN-12.5 rating and food grade raw material as per BS 6920 with material of construction PE 80 or PE 100 and colour of fitting - Blue/Black for water applications, EF tapping saddle is V-Regarding type. Designed to fuse at a fusion voltage of 40 volt AC. EF tapping saddle shall have moulded SS/Brass metal female threaded outlet. EF tapping saddle is fused by using a top loading pillar type pressure exerting 1500N (150 kg apprx.) top load on EF saddle. Fusion time is 170 secs and cooling time is 10mins, Exerted pressure should be removed after completing the 10mins cooling time. 63x20,75x20,90x20,110x20,140x20 etc. complete electrofusion saddle (CSR 2023-24, Item No:-9.24, Page No:-110, Vol-5)								
	(CSR 2023-24, Item No:-9.24, Page No:-110, Vol-5)								
	Basic rate		350.00						
	Area weightage 3%		10.50						
	<b>Total Amount=</b>		<b>360.50</b>						
		70				70.00			
				<b>Total Qty =</b>	<b>70.00</b>	<b>nos</b>	<b>360.50</b>	<b>25235.00</b>	
							<b>Sub total</b>	<b>4235402.87</b>	
								<b>762372.52</b>	
15	GST @ 18%							<b>224.62</b>	
16	miscellaneous and rounding off.						<b>Total Amount =</b>	<b>4998000.00</b>	
	(Rupees Forty Nine Thousand Ninety Eight Rupees Only)								

The Provisions made in the estimate are essential and rates adopted as per the approved rates of Common SR KPWD for the year 2023-24,  
The area belongs to C.M.C. Limits  
The spot has been inspected and the work is necessary.

  
Assistant Junior Engineer  
CMC, Chikkamagalur

Assistant Executive Engineer  
CMC, Chikkamagalur

ಶಾಂತಿಕ ಪರಿಶೀಲನೆ ನಂ. 42/2024-27  
ಶಾಂತಿಕ ಮಂಡೂರಾತಿ ಮೊತ್ತ ರೂ. 49,98,000/-  
(ಆರೋಗ್ಯಕರ). ನೀಡುವುದು. ಅಧಿಕಾರಿಗಳು ತೀರ್ಮಾನಿಸಿರುವಂತೆ.  
2023-24 CSR ಸಾಲಿನ CSR ವ್ಯಕ್ತದ ಎಸ್.ಆರ್.  
ದರಪಟ್ಟಿಯಂತೆ ಶಾಂತಿಕ ಮಂಡೂರಾತಿ ನೀಡಲಾಗಿದೆ.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧ್ಯಯನಕರು,  
ನಗರಸಭೆ, ಚಿಕ್ಕಮಗಳೂರು.