

Name of work: ...  
 and Zone ...  
 Plan based on ...  
 Garden, Zaha, Padegon, CIDCO (Airport), Construction, Excavation, ...  
 of Sewage pumping stations ...  
 No.98 and CIDCO (Airport) ...  
 GRP DI pipe line from Golwadi SPS to Nakshirawadi (Kanchanwadi) STP and Ward No.98 to ...

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			6.85	2.760	1.500	28.359		3977.977	4006.336
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			6.85	2.360	0.413	6.677		586.775	593.452
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			6.85	2.360	0.600	9.700		466.113	475.813
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			6.85	2.360	0.487	7.873		1066.761	1074.633
	(c) For Lift 3.0m to 4.5m	1			6.85	1.960	0.413	5.545		356.862	362.407
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.85	1.960	0.200	2.685		698.479	701.164
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			7.50			7.500		480.000	487.500
	Item No 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							<b>58.153</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	6.85	1.230	1.230	8.14			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							2.69			
	<b>Total = B</b>							<b>10.82</b>			
					<b>Net Qty = A - B</b>			<b>47.33</b>		9196.745	9244.078
	<b>C 67</b>										
02/05/2016	CH3987.95	569.840	566.680	566.365			3.475	3.525			
	CH4011.40	569.980	566.720	566.405			3.575				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			21.85	2.760	0.800	48.245		2478.605	2526.850
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			21.85	2.760	0.700	42.214		4006.336	4048.550
	(b) For Lift 1.5m to 3.0m	1			21.85	2.360	0.200	10.313		2982.148	2992.462
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			21.85	2.360	0.400	20.626		593.452	614.078
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			21.85	2.360	0.300	15.470		475.813	491.283
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			21.85	2.360	0.600	30.940		1074.633	1105.573
	(c) For Lift 3.0m to 4.5m	1			21.85	1.960	0.525	22.484		362.407	384.891
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			21.85	1.960	0.200	8.565		701.164	709.729
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			22.50			22.500		487.500	510.000
	Item No 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							<b>190.292</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	21.85	1.230	1.230	25.95			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							8.57			
	<b>Total = B</b>							<b>34.51</b>			
					<b>Net Qty = A - B</b>			<b>155.78</b>		9244.078	9399.854



*[Handwritten signature]*

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden. Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-  
Page No. :-

083

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
07/05/2016	CH4011.40	569.980	566.720	566.405			3.575	3.600			
	CH4031.40	570.070	566.760	566.445			3.625				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.760	0.800	44.160	2526.850	2571.010	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.760	0.700	38.640	4048.550	4087.190	
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.800	37.760	2992.462	3030.222	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.300	14.160	614.078	628.238	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.300	14.160	491.283	505.443	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.100	4.720	1105.573	1110.293	
	(c) For Lift 3.0m to 4.5m	1			20.00	1.960	0.600	23.520	384.891	408.411	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			20.00	1.960	0.200	7.840	709.729	717.569	
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			20.00			20.000	510.000	530.000	
	Item No 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							<b>177.120</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	20.00	1.230	1.230	23.75			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							7.84			
	<b>Total = B</b>							<b>31.59</b>			
					<b>Net Qty = A - B</b>			<b>145.53</b>	<b>9399.854</b>	<b>9545.382</b>	
12/05/2016	CH4031.40	570.070	566.760	566.445			3.625	3.420			
	CH4051.40	569.700	566.800	566.485			3.215				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.760	0.800	44.160	2571.010	2615.170	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.760	0.700	38.640	4087.190	4125.830	
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.500	23.600	3030.222	3053.822	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.400	18.880	628.238	647.118	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.500	23.600	505.443	529.043	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.100	4.720	1110.293	1115.013	
	(c) For Lift 3.0m to 4.5m	1			20.00	1.960	0.420	16.464	408.411	424.875	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			20.00	1.960	0.200	7.840	717.569	725.409	
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			20.00			20.000	530.000	550.000	



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim A/C Construction, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshirawadi (Kanchanawadi, Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erecting, Testing and Commissioning of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying, jointing and testing, rising main C.R.P.D.I pipe line from Golwadi SPS to Nakshirawadi (Kanchanawadi) STP and Ward No.98 to

Book No: 084  
Page No.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A						170.064				
	Deduction										
	pipe area	1		0.785	20.00	1.230	1.230	23.75			
	soling							0.00			
	PCC							0.00			
	Murum bedding							7.84			
	Total = B							31.59			
					Net Qty = A - B			138.47	9545.382	9683.852	
17/05/2016	CH4051.40	569.700	566.800	566.485			3.215	3.150			
	CH4074.85	569.610	566.840	566.525			3.085				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			21.85	2.760	0.800	48.245	2615.170	2663.414	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			21.85	2.760	0.700	42.214	4125.830	4168.044	
	(b) For Lift 1.5m to 3.0m	1			21.85	2.360	0.200	10.313	3053.822	3064.135	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			21.85	2.360	0.500	25.783	647.118	672.901	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			21.85	2.360	0.600	30.940	529.043	559.982	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			21.85	2.360	0.200	10.313	1115.013	1125.326	
	(c) For Lift 3.0m to 4.5m	1			21.85	1.960	0.150	6.424	424.875	431.298	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			21.85	1.960	0.200	8.565	725.409	733.974	
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			22.50			22.500	550.000	572.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							174.232			
	Deduction										
	pipe area	1		0.785	21.85	1.230	1.230	25.95			
	soling							0.00			
	PCC							0.00			
	Murum bedding							8.57			
	Total = B							34.51			
					Net Qty = A - B			139.72	9683.853	9823.570	
	C 72										
	C-Champa Chowk (Rahat Colony)										
02/04/2016	CH4180.00	569.695	567.380	567.065			2.630	2.655			
	CH4210.95	569.835	567.470	567.155			2.680				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			29.35	2.360	0.800	55.413	2663.414	2718.827	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			29.35	2.360	0.700	48.486	4168.044	4216.530	
	(b) For Lift 1.5m to 3.0m	1			29.35	1.960	0.400	23.010	3064.135	3087.145	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			29.35	1.960	0.755	43.432	672.901	716.333	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			29.35	1.960	0.200	11.505	733.974	745.480	



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim AE. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to CIDCO for Aurangabad City.

Book No. :-

Page No. :-

085

Page 14 of 19

C Sewer-1000mm-MB

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			30.00			30.000		572.500	602.500
	Item No 30 :- Refilling the excavated trenches										
	<b>Total Excavation= A</b>							<b>170.342</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	29.35	1.230	1.230	34.86			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							11.51			
	<b>Total = B</b>							<b>46.36</b>			
					<b>Net Qty = A - B</b>			<b>123.98</b>		9823.570	9947.550
	CH4210.95	569.835	567.470	567.155			2.680	2.698			
	CH4238.45	569.936	567.535	567.220			2.716				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			27.50	2.360	0.800	51.920		2718.827	2770.747
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			27.50	2.360	0.700	45.430		4216.530	4261.960
	(b) For Lift 1.5m to 3.0m	1			27.50	1.960	0.600	32.340		3087.145	3119.485
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			27.50	1.960	0.598	32.232		716.333	748.565
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			27.50	1.960	0.200	10.780		745.480	756.260
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			27.50			27.500		602.500	630.000
	Item No 30 :- Refilling the excavated trenches										
	<b>Total Excavation= A</b>							<b>161.922</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	27.50	1.230	1.230	32.66			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							10.78			
	<b>Total = B</b>							<b>43.44</b>			
					<b>Net Qty = A - B</b>			<b>118.48</b>		9947.550	10066.032
	CH4238.45	569.936	567.535	567.220			2.716	2.746			
	CH4263.45	570.010	567.550	567.235			2.775				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			25.00	2.360	0.800	47.200		2770.747	2817.947
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			25.00	2.360	0.700	41.300		4261.960	4303.260
	(b) For Lift 1.5m to 3.0m	1			25.00	1.960	0.600	29.400		3119.485	3148.885
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			25.00	1.960	0.646	31.654		748.565	780.219
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			25.00	1.960	0.200	9.800		756.260	766.060
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			25.00			25.000		630.000	655.000
	Item No 30 :- Refilling the excavated trenches										
	<b>Total Excavation= A</b>							<b>149.554</b>			
	<b>Deduction</b>										



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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Up to Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	pipe area	1		0.785	25.00	1.230	1.230	29.69			
	soling							0.00			
	PCC							0.00			
	Murum bedding							9.80			
	<b>Total = B</b>							<b>39.49</b>			
		<b>Net Qty = A - B</b>								<b>10066.032</b>	<b>10176.096</b>
	CH4263.45	570.010	567.550	567.235			2.775	2.940			
	CH4291.90	570.380	567.590	567.275			3.105				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			26.85	2.360	0.800	50.693	2817.947	2868.648	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			26.85	2.360	0.700	44.356	4303.260	4347.617	
	(b) For Lift 1.5m to 3.0m	1			26.85	1.960	0.800	42.101	3148.885	3190.986	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			26.85	1.960	0.640	33.681	780.219	813.900	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			26.85	1.960	0.200	10.525	766.060	776.585	
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			27.50			27.500	655.000	682.500	
	Item No 30 :- Refilling the excavated trenches										
	<b>Total Excavation= A</b>							<b>170.830</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	26.85	1.230	1.230	31.89			
	soling							0.00			
	PCC							0.00			
	Murum bedding							10.53			
	<b>Total = B</b>							<b>42.41</b>			
		<b>Net Qty = A - B</b>								<b>10176.096</b>	<b>10304.513</b>
	C 73										
07/04/2016	CH4291.90	570.380	567.640	567.325			3.055	3.055			
	CH4320.35	570.440	567.700	567.385			3.055				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			26.85	2.360	1.100	69.703	2868.640	2938.343	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			26.85	2.360	0.400	25.346	4347.617	4372.963	
	(b) For Lift 1.5m to 3.0m	1			26.85	1.960	0.500	26.313	3190.986	3217.299	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			26.85	1.960	0.400	21.050	813.900	834.950	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			26.85	1.960	0.300	15.788	559.982	575.770	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			26.85	1.960	0.300	15.788	1125.326	1141.114	
	(c) For Lift 3.0m to 4.5m	1			26.85	1.960	0.055	2.894	431.298	434.193	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			26.85	1.960	0.200	10.525	776.585	787.110	
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			27.50			27.500	682.500	710.000	
	Item No 30 :- Refilling the excavated trenches										



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-  
Page No. 087

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	<b>Total Excavation= A</b>							<b>176.882</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	26.85	1.230	1.230	31.89			
	soling							0.00			
	PCC							0.00			
	Murum bedding							10.53			
	<b>Total = B</b>							<b>42.41</b>			
		<b>Net Qty = A - B</b>						<b>134.47</b>	10304.513	10438.983	
11/04/2016	CH4320.35	570.440	567.700	567.385			3.055	3.030			
	CH4356.30	570.460	567.770	567.455			3.005				
	<b>Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			34.35	2.360	0.400	32.426	2938.343	2970.769	
	<b>Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil &amp; soft murum etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			34.35	2.360	0.500	40.533	4372.963	4413.496	
	<b>Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			34.35	2.360	0.600	48.640	116.167	164.807	
	(b) For Lift 1.5m to 3.0m	1			34.35	1.960	1.200	80.791	834.950	915.742	
	<b>Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.</b>										
	(b) For Lift 1.5m to 3.0m	1			34.35	1.960	0.100	6.733	575.770	582.503	
	<b>Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.</b>										
	(b) For Lift 1.5m to 3.0m	1			34.35	1.960	0.200	13.465	1141.114	1154.579	
	(c) For Lift 3.0m to 4.5m	1			34.35	1.960	0.030	2.020	434.193	436.213	
	<b>Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)</b>	1			34.35	1.960	0.200	13.465	787.110	800.575	
	<b>Item No. 17 (h) :- Lowering &amp; Laying RCC NP3 class pipe of 1000mm Dia</b>	1			35.00			35.000	710.000	745.000	
	<b>Item No 30 :- Refilling the excavated trenches</b>										
	<b>Total Excavation= A</b>							<b>224.608</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	34.35	1.230	1.230	40.79			
	soling							0.00			
	PCC							0.00			
	Murum bedding							13.47			
	<b>Total = B</b>							<b>54.26</b>			
		<b>Net Qty = A - B</b>						<b>170.35</b>	10438.983	10609.330	
16/04/2016	C 74										
	CH4356.30	570.460	568.180	567.865			2.595	2.605			
	CH4362.25	570.490	568.190	567.875			2.615				
	<b>Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			4.35	2.360	0.300	3.080	2970.769	2973.849	
	<b>Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil &amp; soft murum etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			4.35	2.360	0.800	8.213	4413.496	4421.709	
	<b>Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			4.35	2.360	0.200	2.053	164.807	166.860	
	<b>Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			4.35	2.360	0.200	2.053	55.111	57.164	
	(b) For Lift 1.5m to 3.0m	1			4.35	1.960	0.800	6.821	582.503	589.324	



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, directing, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zaita, Padegaon, CIDCO (Airport), Construction, Direction, Testing and Commissioning of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zaita, Ward No.98 and CIDCO (Airport). Providing, lowering, laying, jointing, and testing rising main GRP-DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. 083  
Page No. 08

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	<b>Item No. 5 :-</b> Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			4.35	1.960	0.305	2.600	1154.579	1157.180	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.35	1.960	0.200	1.705	800.575	802.280	
	<b>Item No. 17 (h) :-</b> Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			5.00			5.000	745.000	750.000	
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							<b>24.820</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	4.35	1.230	1.230	5.17			
	soling							0.00			
	PCC							0.00			
	Murum bedding							1.71			
	<b>Total = B</b>							<b>6.87</b>			
	<b>Net Qty = A - B</b>							<b>17.95</b>	<b>10609.330</b>	<b>10627.278</b>	
	CH4362.25	570.490	568.190	567.875			2.615				
	CH4379.75	570.760	568.240	567.925			2.835	2.725			
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			17.50	2.360	0.300	12.390	2973.849	2986.259	
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			17.50	2.360	0.400	16.520	4421.709	4438.229	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			17.50	2.360	0.300	12.390	166.860	179.250	
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			17.50	2.360	0.500	20.650	57.164	77.814	
	(b) For Lift 1.5m to 3.0m	1			17.50	1.960	0.300	10.290	589.324	599.614	
	<b>Item No. 5 :-</b> Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			17.50	1.960	0.925	31.728	1157.180	1188.907	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.50	1.960	0.200	6.860	802.280	809.140	
	<b>Item No. 17 (h) :-</b> Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			17.50			17.500	750.000	767.500	
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							<b>103.968</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	17.50	1.230	1.230	20.78			
	soling							0.00			
	PCC							0.00			
	Murum bedding							6.86			
	<b>Total = B</b>							<b>27.64</b>			
	<b>Net Qty = A - B</b>							<b>76.32</b>	<b>10627.279</b>	<b>10703.608</b>	
	CH4379.75	570.760	568.240	567.925			2.835				
	CH4398.20	570.810	568.289	567.974			2.836	2.836			
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			16.85	2.360	0.300	11.930	2986.239	2998.169	
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.85	2.360	0.300	11.930	4438.229	4450.159	



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewerage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewerage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-

Page No. :- 089

Page 28 of 29

C Sewer-1000mm-MB

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.85	2.360	0.900	35.789			
	(b) For Lift 1.5m to 3.0m	1			16.85	1.960	0.200	6.605	179.250	215.039	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.								915.742	922.347	
	(b) For Lift 1.5m to 3.0m	1			16.85	1.960	0.500	16.513		616.127	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			16.85	1.960	0.636	21.005	1188.907	1209.912	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			16.85	1.960	0.200	6.605	809.140	815.746	
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			17.50			17.500	767.500	785.000	
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation- A							103.772			
	Deduction										
	pipe area	1		0.785	16.85	1.230	1.230	20.01			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							6.61			
	Total = B							26.62			
								Net Qty = A - B	77.16	10703.603	10780.758
25/04/2016	CH4398.20	570.810	568.359	568.044				2.766			
	CH4416.65	572.190	568.408	568.093				4.097	3.432		
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.85	2.760	1.000	46.506			
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.								4450.159	4496.665	
	(a) For Lift 0 to 1.5m	1			16.85	2.760	0.200	9.301	215.039	224.341	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			16.85	2.760	0.300	13.952	77.814	91.766	
	(b) For Lift 1.5m to 3.0m	1			16.85	2.360	0.600	23.860	616.127	639.986	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			16.85	2.360	0.900	35.789	1209.912	1245.701	
	(c) For Lift 3.0m to 4.5m	1			16.85	1.960	0.432	14.267	436.213	450.480	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			16.85	1.960	0.200	6.605	815.746	822.351	
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			17.50			17.500	785.000	802.500	
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation = A							143.675			
	Deduction										
	pipe area	1		0.785	16.85	1.230	1.230	20.01			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							6.61			
	Total = B							26.62			
								Net Qty = A - B	117.06	10780.758	10897.817
	CH4416.65	572.190	568.408	568.093				4.097			
	CH4431.65	572.760	568.465	568.150				4.610	4.354		



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**9th R A BILL MEASUREMENTS**

**SEWER "C"**

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	<b>C-700mm Dia at Heena Nagar</b>										
	<b>Width of trench-</b> For Bottom Lift 0.00-1.50m- 0.7+0.17+0.17+0.5=1.54m										
	From Bottom Lift 1.50-3.00m- 0.7+0.17+0.17+0.5+0.4=1.94m										
	From Bottom Lift 3.00-4.50m- 0.7+0.17+0.17+0.5+0.4+0.4 = 2.34m										
	From Bottom Lift 4.50-6.0m- 0.7+0.17+0.17+0.5+0.4+0.4+0.4 = 2.74m										
	<b>CH4660.00</b>	573.835	571.045	570.845			2.990	3.007			
	<b>CH4672.50</b>	573.898	571.075	570.875			3.023				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			12.50	1.940	0.300	7.275	2998.169	3005.444	
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in all types of soil & soft murrum etc										
	(a) For Lift 0 to 1.5m	1			12.50	1.940	1.200	29.100	4558.765	4587.865	
	(b) For Lift 1.5m to 3.0m	1			12.50	1.540	0.300	5.775	3217.299	3223.074	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			12.50	1.540	0.600	11.550	947.127	958.677	
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			12.50	1.540	0.600	11.550	668.306	679.856	
	(c) For Lift 3.0m to 4.5m	1			12.50	1.540	0.007	0.135	68.712	68.846	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc	1			12.50	1.540	0.200	3.850	828.231	832.081	
	<b>Item No. 17 (e) :-</b> Lowering & Laying RCC NP3 class pipe of 700mm Dia	1			12.50			12.500	0.000	12.500	
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							65.385			
	<b>Deduction</b>										
	pipe area	1		0.785	12.50	0.870	0.870	7.43			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							3.85			
	<b>Total = B</b>							11.28			
					<b>Net Qty = A - B</b>			<b>54.11</b>	<b>11029.130</b>	<b>11083.238</b>	
	<b>CH4672.50</b>	573.898	571.075	570.875			3.023	3.055			
	<b>CH4687.50</b>	573.992	571.105	570.905			3.087				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	1.940	0.300	8.730	3005.444	3014.174	



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim AW. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Book No. 092  
Page No.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in all types of soil & soft murrum etc										
	(a) For Lift 0 to 1.5m	1			15.00	1.940	1.200	34.920		4587.865	4622.785
	(b) For Lift 1.5m to 3.0m	1			15.00	1.540	0.200	4.620		3223.074	3227.694
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	1.540	0.600	13.860		958.677	972.537
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	1.540	0.700	16.170		679.856	696.026
	(c) For Lift 3.0m to 4.5m	1			15.00	1.540	0.055	1.271		68.846	70.117
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc	1			15.00	1.540	0.200	4.620		832.081	836.701
	<b>Item No. 17 (e) :-</b> Lowering & Laying RCC NP3 class pipe of 700mm Dia	1			15.00			15.000		12.500	27.500
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							<b>79.571</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	15.00	0.870	0.870	8.91			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							4.62			
	<b>Total = B</b>							<b>13.53</b>			
	<b>Net Qty = A - B</b>							<b>66.04</b>		11083.238	11149.276
	<b>CH4687.50</b>	573.992	571.105	570.905			3.087	3.121			
	<b>CH4702.50</b>	574.095	571.140	570.940			3.155				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	1.940	0.300	8.730		3014.174	3022.904
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in all types of soil & soft murrum etc										
	(a) For Lift 0 to 1.5m	1			15.00	1.940	0.600	17.460		4622.785	4640.245
	(b) For Lift 1.5m to 3.0m	1			15.00	1.540	0.000	0.000		3227.694	3227.694
	(c) For Lift 3.0m to 4.5m	1			15.00	1.540	0.000	0.000		312.818	312.818
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	1.940	0.600	17.460		224.341	241.801
	(b) For Lift 1.5m to 3.0m	1			15.00	1.540	0.100	2.310		972.537	974.847
	(c) For Lift 3.0m to 4.5m	1			15.00	1.540	0.000	0.000		167.712	167.712
	(d) For Lift 4.5m to 6.0m	1			15.00	1.540	0.000	0.000		10.525	10.525
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	1.940	0.000	0.000		91.766	91.766
	(b) For Lift 1.5m to 3.0m	1			15.00	1.540	1.000	23.100		696.026	719.126
	(c) For Lift 3.0m to 4.5m	1			15.00	1.540	0.000	0.000		70.117	70.117
	(d) For Lift 4.5m to 6.0m	1			15.00	1.540	0.000	0.000		17.458	17.458
	<b>Item No. 5 :-</b> Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(a) For Lift 0m to 1.5m	1			15.00	1.940	0.000	0.000		15.484	15.484



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. 094

Page No. 5

Page 1 of 5

C Sewer-700mm-MB Katkat Gate

**9th RA BILL MEASUREMENTS**

**SEWER "C"**

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	HL	EX.L							
	C-700mm Dia at Katkat Gate to Azad Chowk										
	Width of trench- For Bottom Lift 0.00-1.50m- 0.7+0.17+0.17+0.5=1.54m										
	From Bottom Lift 1.50-3.00m- 0.7+0.17+0.17+0.5+0.4=1.94m										
	From Bottom Lift 3.00-4.50m- 0.7+0.17+0.17+0.5+0.4+0.4 = 2.34m										
	From Bottom Lift 4.50-6.0m- 0.7+0.17+0.17+0.5+0.4+0.4+0.4 = 2.74m										
	CKG 19										
	CH570.00	578.610	577.265	577.065			1.545				
	CH598.70	578.900	577.285	577.085			1.815	1.680			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			25.80	1.940	0.300	15.016		3022.904	3037.919
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			25.80	1.940	1.200	60.062		4640.245	4700.307
	(b) For Lift 1.5m to 3.0m	1			25.80	1.540	0.180	7.152		3227.694	3234.846
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			25.80	1.540	0.200	7.946		841.321	849.267
	Item No. 17 (e) :- Lowering & Laying RCC NP3 class pipe of 700mm Dia	1			27.50			27.500		42.500	70.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							82.230			
	Deduction										
	pipe area	1		0.785	25.80	0.870	0.870	15.33			
	soling							0.00			
	PCC							0.00			
	Murum bedding							7.95			
	Total = B							23.28			
								Net Qty = A - B			
	CKG 20							58.95		11216.838	11275.792
	CH598.70	578.900	577.285	577.085			1.815				
	CH627.40	578.987	577.330	577.130			1.857	1.836			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			25.80	1.940	0.300	15.016		3037.919	3052.935
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			25.80	1.940	1.200	60.062		4700.307	4760.369
	(b) For Lift 1.5m to 3.0m	1			25.80	1.540	0.336	13.350		3234.846	3248.196
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			25.80	1.540	0.200	7.946		849.267	857.214
	Item No. 17 (e) :- Lowering & Laying RCC NP3 class pipe of 700mm Dia	1			27.50			27.500		70.000	97.500
	Item No 30 :- Refilling the excavated trenches ...										



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**Name of work:-** Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim AE. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-

Page No. :-

095

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	<b>Total Excavation= A</b>							88.428			
	<b>Deduction</b>										
	pipe area	1		0.785	25.80	0.870	0.870	15.33			
	soling							0.00			
	PCC							0.00			
	Murum bedding							7.95			
	<b>Total = B</b>							23.28			
				<b>Net Qty = A - B</b>				65.15	11275.792	11340.944	
15/04/2016	CKG 21										
	CH627.40	578.987	577.330	577.130			1.857	2.084			
	CH655.50	579.480	577.369	577.169			2.311				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			26.65	1.940	0.300	15.510	3052.935	3068.445	
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in all typesof soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			26.65	1.940	1.200	62.041	4760.369	4822.411	
	(b) For Lift 1.5m to 3.0m	1			26.65	1.540	0.584	23.968	3248.196	3272.164	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc	1			26.65	1.540	0.200	8.208	857.214	865.422	
	<b>Item No. 17 (e) :-</b> Lowering & Laying RCC NP3 class pipe of 700mm Dia	1			27.50			27.500	97.500	125.000	
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							101.519			
	<b>Deduction</b>										
	pipe area	1		0.785	26.65	0.870	0.870	15.83			
	soling							0.00			
	PCC							0.00			
	Murum bedding							8.21			
	<b>Total = B</b>							24.04			
				<b>Net Qty = A - B</b>				77.48	11340.944	11418.421	
16/04/2016	CH655.50	579.480	577.369	577.169			2.311	2.378			
	CH668.60	579.640	577.395	577.195			2.445				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			11.65	1.940	0.300	6.780	3068.445	3075.225	
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in all typesof soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			11.65	1.940	1.200	27.121	4822.411	4849.532	
	(b) For Lift 1.5m to 3.0m	1			11.65	1.540	0.500	8.971	3272.164	3281.134	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			11.65	1.540	0.378	6.782	974.847	981.628	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc	1			11.65	1.540	0.200	3.588	865.422	869.010	
	<b>Item No. 17 (e) :-</b> Lowering & Laying RCC NP3 class pipe of 700mm Dia	1			12.50			12.500	125.000	137.500	
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							49.654			
	<b>Deduction</b>										
	pipe area	1		0.785	11.65	0.870	0.870	6.92			
	soling							0.00			



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali/Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main (RPTM) pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Book No. :- 096  
Page No. :-

Page 3 of 5

C Sewer-700mm-MB Katkat Gate

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC										
	Murum bedding										
	<b>Total = B</b>						<b>10.51</b>				
							<b>39.14</b>		<b>11418.421</b>	<b>11457.564</b>	
	<b>Net Qty = A - B</b>										
	CKG 22										
18/04/2016	CH668.60	579.640	577.645	577.445			2.195	2.186			
	CH689.80	579.650	577.673	577.473			2.177				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			18.30	1.940	0.400	14.201	3075.225	3089.426	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			18.30	1.940	1.100	39.052	4849.532	4888.584	
	(b) For Lift 1.5m to 3.0m	1			18.30	1.540	0.686	19.333	3281.134	3300.467	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			18.30	1.540	0.200	5.636	869.010	874.646	
	Item No. 17 (e) :- Lowering & Laying RCC NP3 class pipe of 700mm Dia	1			20.00			20.000	137.500	157.500	
	Item No 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							<b>72.586</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	18.30	0.870	0.870	10.87			
	soling							0.00			
	PCC							0.00			
	Murum bedding							5.64			
	<b>Total = B</b>							<b>16.51</b>			
	<b>Net Qty = A - B</b>							<b>56.08</b>	<b>11457.564</b>	<b>11513.640</b>	
	CKG 23										
27/04/2016	CH689.80	579.650	577.673	577.473			2.177	2.324			
	CH717.90	579.980	577.710	577.510			2.470				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			26.65	1.940	0.400	20.680	3089.426	3110.107	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			26.65	1.940	1.100	56.871	4888.584	4945.455	
	(b) For Lift 1.5m to 3.0m	1			26.65	1.540	0.700	28.729	3300.467	3329.196	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			26.65	1.540	0.124	5.089	981.628	986.718	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			26.65	1.540	0.200	8.208	874.646	882.855	
	Item No. 17 (e) :- Lowering & Laying RCC NP3 class pipe of 700mm Dia	1			27.50			27.500	157.500	185.000	
	Item No 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							<b>111.369</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	26.65	0.870	0.870	15.83			
	soling							0.00			
	PCC							0.00			
	Murum bedding							8.21			
	<b>Total = B</b>							<b>24.04</b>			
	<b>Net Qty = A - B</b>							<b>87.33</b>	<b>11513.640</b>	<b>11600.967</b>	



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim AE. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-

Page No. :-

097

Page 4 of 5

C Sewer-700mm-MB Katkat Gate

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
16/05/2016	CH717.90	579.980	577.710	577.510			2.470	2.615			
	CH748.50	580.350	577.790	577.590			2.760				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			29.15	1.940	0.400	22.620	3110.107	3132.727	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			29.15	1.940	1.100	62.206	4945.455	5007.661	
	(b) For Lift 1.5m to 3.0m	1			29.15	1.540	0.700	31.424	3329.196	3360.619	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			29.15	1.540	0.100	4.489	986.718	991.207	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			29.15	1.540	0.100	4.489	719.126	723.615	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			29.15	1.540	0.215	9.652	1254.941	1264.593	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			29.15	1.540	0.200	8.978	882.855	891.833	
	Item No. 17 (e) :- Lowering & Laying RCC NP3 class pipe of 700mm Dia	1			30.00			30.000	185.000	215.000	
	Item No 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							<b>134.880</b>			
	Deduction										
	pipe area	1		0.785	29.15	0.870	0.870	17.32			
	soling							0.00			
	PCC							0.00			
	Murum bedding							8.98			
	<b>Total = B</b>							<b>26.30</b>			
	<b>Net Qty = A - B</b>							<b>108.58</b>	<b>11600.967</b>	<b>11709.549</b>	
27/05/2016	CKG 24										
	CH748.50	580.350	578.040	577.840			2.510	2.588			
CH764.70	580.530	578.064	577.864			2.666					
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			13.30	1.940	0.300	7.741	3132.727	3140.468	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			13.30	1.940	1.200	30.962	5007.661	5038.624	
	(b) For Lift 1.5m to 3.0m	1			13.30	1.540	0.800	16.386	3360.619	3377.005	
	(c) For Lift 3.0m to 4.5m	1			13.30	1.540	0.000	0.000	312.818	312.818	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.30	1.940	0.000	0.000	241.801	241.801	
	(b) For Lift 1.5m to 3.0m	1			13.30	1.540	0.288	5.899	991.207	997.105	
	(c) For Lift 3.0m to 4.5m	1			13.30	1.540	0.000	0.000	167.712	167.712	
	(d) For Lift 4.5m to 6.0m	1			13.30	1.540	0.000	0.000	10.525	10.525	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim AE. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-

Page No. :-

099

9th R A BILL MEASUREMENTS

SEWER "C"

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - For RCC 1.50m dia Manhole - 1.50+0.2+0.2+0.5+0.5=2.90m										
	Breadth for Manhole=2.90*2.90=8.41m										
	C-700mm Dia at Katkat Gate to Azad Chowk										
	CKG 20										
	CH598.70	578.900	577.285	576.935			1.965				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.300	1.981	0.000	1.981	
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	1.200	7.922	0.000	7.922	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.465	3.070	0.000	3.070	
	Item No. : 11 Transportation of earth Transportation charges							6.105	0.000	6.105	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							12.973			
	Deduction										
	Wall	1		0.785	1.900	1.900	1.615	4.577			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								6.105			
								6.867	0.000	6.867	
	CKG 21										
	CH627.40	578.987	577.330	576.980			2.007				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.300	1.981	1.981	3.961	
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	1.200	7.922	7.922	15.844	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.507	3.347	3.070	6.417	
	Item No. : 11 Transportation of earth Transportation charges							6.224	6.105	12.330	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							13.250			
	Deduction										
	Wall	1		0.785	1.900	1.900	1.657	4.696			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								6.224			
								7.025	6.867	13.893	
	CKG 22										
	CH668.60	579.640	577.395	577.045			2.595				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.300	1.981	3.961	5.942	



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**Name of work:-** Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-

Page No. :-

101

Page 1 of 21

C Sewer-Dewatering RA9

**9th R A BILL MEASUREMENTS**

**Sewer "C" - Dewatering**

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
<b>C LINE Dia-1600mm</b>							
1	08/01/2016	15	1	9:00	12:00	3:00	45:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
2	11/01/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	12:00	14:00	2:00	30:00:00
		15	1	15:00	16:00	1:00	15:00:00
3	12/01/2016	15	1	9:00	12:00	3:00	45:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
4	13/01/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	12:00	14:00	2:00	30:00:00
		15	1	15:00	16:00	1:00	15:00:00
5	14/01/2016	15	1	9:00	12:00	3:00	45:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
6	15/01/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	12:00	14:00	2:00	30:00:00
		15	1	15:00	16:00	1:00	15:00:00
7	24/01/2016	15	1	9:00	12:00	3:00	45:00:00
		15	1	14:00	16:00	2:00	30:00:00
8	25/01/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	16:00	2:00	30:00:00
9	28/01/2016	15	1	8:00	9:00	1:00	15:00:00
		15	1	10:00	12:00	2:00	30:00:00
		15	1	14:00	16:00	2:00	30:00:00
10	29/01/2016	15	1	9:00	12:00	3:00	45:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
11	31/01/2016	15	1	8:00	9:00	1:00	15:00:00
		15	1	10:00	12:00	2:00	30:00:00
		15	1	14:00	16:00	2:00	30:00:00
12	01/02/2016	15	1	9:00	12:00	3:00	45:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
13	04/02/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	16:00	2:00	30:00:00
		15	1	17:00	18:00	1:00	15:00:00
14	05/02/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/PI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-  
Page No. :-

102

Page 2 of 21

C Sewer-Dewatering RA9

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
15	06/02/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	16:00	2:00	30:00:00
		15	1	17:00	18:00	1:00	15:00:00
16	07/02/2016	15	1	9:00	12:00	3:00	45:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
17	08/02/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
18	10/02/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	16:00	2:00	30:00:00
		15	1	17:00	18:00	1:00	15:00:00
19	11/02/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	12:00	13:00	1:00	15:00:00
		15	1	8:00	12:00	4:00	60:00:00
20	12/02/2016	15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
		15	1	8:00	9:00	1:00	15:00:00
21	13/02/2016	15	1	10:00	12:00	2:00	30:00:00
		15	1	14:00	16:00	2:00	30:00:00
		15	1	8:00	12:00	4:00	60:00:00
22	14/02/2016	15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
		15	1	8:00	12:00	4:00	60:00:00
23	15/02/2016	15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
		15	1	8:00	9:00	1:00	15:00:00
24	16/02/2016	15	1	10:00	12:00	2:00	30:00:00
		15	1	14:00	16:00	2:00	30:00:00
		15	1	8:00	12:00	4:00	60:00:00
25	19/02/2016	15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
		15	1	8:00	12:00	4:00	60:00:00
26	20/02/2016	15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
		15	1	8:00	12:00	4:00	60:00:00
27	21/02/2016	15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
		15	1	8:00	12:00	4:00	60:00:00
28	23/02/2016	15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
		15	1	8:00	12:00	4:00	60:00:00
29	24/02/2016	15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
		15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00



*(Handwritten signature)*

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim AE. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Book No. :-  
Page No. :- 103

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
30	25/02/2016	15	1	8:00	9:00	1:00	15:00:00
		15	1	10:00	12:00	2:00	30:00:00
		15	1	14:00	16:00	2:00	30:00:00
31	26/02/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
32	27/02/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
33	28/02/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
34	29/02/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
35	01/03/2016	15	1	7:30	12:30	5:00	75:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
36	02/03/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
37	03/03/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
38	04/03/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
39	05/03/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
40	06/03/2016	15	1	8:00	11:00	3:00	45:00:00
		15	1	15:00	18:00	3:00	45:00:00
		15	1	7:30	11:30	4:00	60:00:00
41	07/03/2016	15	1	14:00	17:00	3:00	45:00:00
		15	1	8:00	9:00	1:00	15:00:00
		15	1	10:00	11:00	1:00	15:00:00
42	08/03/2016	15	1	12:00	13:00	1:00	15:00:00
		15	1	7:00	9:00	2:00	30:00:00
		15	1	11:00	13:00	2:00	30:00:00
43	09/03/2016	15	1	13:00	14:00	1:00	15:00:00
		15	1	8:00	10:00	2:00	30:00:00
		15	1	11:00	13:00	2:00	30:00:00
44	10/03/2016	15	1	15:00	18:00	3:00	45:00:00



*[Handwritten signature]*

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-  
Page No. :-

174

Page 4 of 21

C Sewer-Dewatering RA9

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
45	11/03/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	11:00	13:00	2:00	30:00:00
		15	1	15:00	18:00	3:00	45:00:00
46	13/03/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
47	14/03/2016	15	1	7:00	12:00	5:00	75:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
48	15/03/2016	15	1	7:30	12:30	5:00	75:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
49	16/03/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	11:00	14:00	3:00	45:00:00
		15	1	15:00	17:00	2:00	30:00:00
50	17/03/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
51	18/03/2016	15	1	7:00	12:00	5:00	75:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
52	19/03/2016	15	1	7:30	12:30	5:00	75:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
53	20/03/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	11:00	13:00	2:00	30:00:00
		15	1	15:00	18:00	3:00	45:00:00
54	21/03/2016	15	1	7:30	12:30	5:00	75:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
55	22/03/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	11:00	13:00	2:00	30:00:00
		15	1	15:00	18:00	3:00	45:00:00
56	23/03/2016	15	1	7:30	12:30	5:00	75:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	17:00	1:00	15:00:00
57	24/03/2016	15	1	7:30	12:30	5:00	75:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
58	25/03/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	11:00	13:00	2:00	30:00:00
		15	1	15:00	18:00	3:00	45:00:00
59	26/03/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00



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Name of work- development of Underground Sewage Collection system for Zone I to VI and Zone Salim AB. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-

105

Page No. :-

Page 5 of 21 \*

C Sewer-Dewatering RA9

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
60	27/03/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	11:00	13:00	2:00	30:00:00
		15	1	15:00	18:30	3:30	52:30:00
61	28/03/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
62	29/03/2016	15	1	7:00	9:00	2:00	30:00:00
		15	1	11:00	13:00	2:00	30:00:00
		15	1	15:00	18:30	3:30	52:30:00
63	30/03/2016	15	1	7:00	12:00	5:00	75:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
64	31/03/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
65	01/04/2016	15	1	7:00	9:00	2:00	30:00:00
		15	1	11:00	13:00	2:00	30:00:00
		15	1	15:00	18:30	3:30	52:30:00
66	02/04/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	12:00	13:00	1:00	15:00:00
		15	1	15:00	18:00	3:00	45:00:00
67	03/04/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
68	04/04/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	12:00	13:00	1:00	15:00:00
		15	1	15:00	18:30	3:30	52:30:00
69	05/04/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	13:00	15:00	2:00	30:00:00
		15	1	16:00	17:00	1:00	15:00:00
70	06/04/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	13:00	15:00	2:00	30:00:00
		15	1	16:00	17:00	1:00	15:00:00
71	07/04/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	12:00	13:00	1:00	15:00:00
		15	1	15:00	18:00	3:00	45:00:00
72	05/05/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	16:00	2:00	30:00:00
		15	1	17:00	18:00	1:00	15:00:00
73	08/05/2016	15	1	7:00	12:00	5:00	75:00:00
		15	1	14:00	15:00	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
74	09/05/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	12:00	15:00	3:00	45:00:00
		15	1	17:00	18:00	1:00	15:00:00



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-

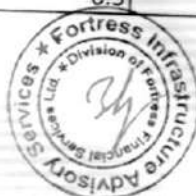
Page No. :-

136

Page 6 of 21 \*

C Sewer-Dewatering RA9

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
75	10/05/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	16:00	2:00	30:00:00
		15	1	17:00	18:00	1:00	15:00:00
76	12/05/2016	15	1	7:00	10:00	3:00	45:00:00
		15	1	14:00	16:00	2:00	30:00:00
		15	1	17:00	18:00	1:00	15:00:00
C LINE Dia-1200mm							
1	02/03/2016	6.5	1	7:00	9:00	2:00	13:00:00
		6.5	1	11:00	13:00	2:00	13:00:00
		6.5	1	15:00	16:00	1:00	6:30:00
		6.5	1	17:00	18:30	1:30	9:45:00
2	03/03/2016	6.5	1	7:30	9:30	2:00	13:00:00
		6.5	1	10:30	12:00	1:30	9:45:00
		6.5	1	14:00	15:30	1:30	9:45:00
		6.5	1	16:30	17:30	1:00	6:30:00
3	04/03/2016	6.5	1	8:00	10:00	2:00	13:00:00
		6.5	1	11:00	12:30	1:30	9:45:00
		6.5	1	14:00	16:00	2:00	13:00:00
		6.5	1	17:30	18:30	1:00	6:30:00
4	05/03/2016	6.5	1	7:30	9:00	1:30	9:45:00
		6.5	1	10:00	12:00	2:00	13:00:00
		6.5	1	14:00	16:00	2:00	13:00:00
		6.5	1	17:00	18:30	1:30	9:45:00
5	06/03/2016	6.5	1	8:00	10:00	2:00	13:00:00
		6.5	1	11:00	12:30	1:30	9:45:00
		6.5	1	14:00	16:00	2:00	13:00:00
		6.5	1	17:00	18:30	1:30	9:45:00
6	07/03/2016	6.5	1	9:00	11:00	2:00	13:00:00
		6.5	1	12:00	13:00	1:00	6:30:00
		6.5	1	14:00	15:30	1:30	9:45:00
		6.5	1	16:00	17:00	1:00	6:30:00
7	08/03/2016	6.5	1	17:30	18:30	1:00	6:30:00
		6.5	1	6:00	9:00	3:00	19:30:00
		6.5	1	10:00	11:00	1:00	6:30:00
		6.5	1	12:00	13:00	1:00	6:30:00
8	09/03/2016	6.5	1	14:00	15:00	1:00	6:30:00
		6.5	1	16:30	17:30	1:00	6:30:00
		6.5	1	6:00	8:30	2:30	16:15:00
		6.5	1	10:00	12:00	2:00	13:00:00
		6.5	1	14:00	15:30	1:30	9:45:00
		6.5	1	16:00	17:00	1:00	6:30:00
		6.5	1	18:00	18:30	0:30	3:15:00



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Name of work:- development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-  
Page No. :-

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
9	10/03/2016	6.5	1	8:00	10:00	2:00	13:00:00
		6.5	1	11:00	13:00	2:00	13:00:00
		6.5	1	14:00	16:00	2:00	13:00:00
		6.5	1	17:00	18:00	1:00	6:30:00
10	11/03/2016	6.5	1	7:00	10:00	3:00	19:30:00
		6.5	1	11:00	13:00	2:00	13:00:00
		6.5	1	15:00	17:00	2:00	13:00:00
		6.5	1	18:00	19:00	1:00	6:30:00
11	12/03/2016	6.5	1	6:30	9:30	3:00	19:30:00
		6.5	1	11:00	13:00	2:00	13:00:00
		6.5	1	14:30	16:00	1:30	9:45:00
		6.5	1	17:00	18:30	1:30	9:45:00
12	14/03/2016	6.5	1	6:00	9:00	3:00	19:30:00
		6.5	1	10:00	12:00	2:00	13:00:00
		6.5	1	14:00	16:00	2:00	13:00:00
		6.5	1	17:00	18:00	1:00	6:30:00
13	15/03/2016	6.5	1	8:00	10:00	2:00	13:00:00
		6.5	1	11:00	13:00	2:00	13:00:00
		6.5	1	15:00	17:00	2:00	13:00:00
14	16/03/2016	6.5	1	6:00	9:00	3:00	19:30:00
		6.5	1	10:00	12:00	2:00	13:00:00
		6.5	1	14:00	16:00	2:00	13:00:00
15	17/03/2016	6.5	1	6:00	9:00	3:00	19:30:00
		6.5	1	11:00	13:00	2:00	13:00:00
		6.5	1	15:00	16:00	1:00	6:30:00
16	19/03/2016	6.5	1	11:00	13:00	2:00	13:00:00
		6.5	1	14:30	16:30	2:00	13:00:00
		6.5	1	17:00	18:00	1:00	6:30:00
17	20/03/2016	6.5	1	8:00	12:00	4:00	26:00:00
18	21/03/2016	6.5	1	8:30	11:30	3:00	19:30:00
19	26/02/2016	24	1	9:00	12:00	3:00	72:00:00
		24	1	14:00	16:00	2:00	48:00:00
		24	1	17:00	18:30	1:30	36:00:00
20	27/02/2016	24	1	6:30	10:30	4:00	96:00:00
		24	1	11:30	13:00	1:30	36:00:00
		24	1	14:00	16:00	2:00	48:00:00
21	29/02/2016	24	1	6:30	10:00	3:30	84:00:00
		24	1	12:00	14:00	2:00	48:00:00
		24	1	15:00	17:00	2:00	48:00:00
		24	1	17:30	18:00	0:30	12:00:00
22	01/03/2016	24	1	9:00	10:30	1:30	36:00:00
		24	1	11:00	14:00	3:00	72:00:00
		24	1	16:00	18:00	2:00	48:00:00



*[Handwritten signature]*

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Sahin Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STD for Aurangabad City.

Book No. :- 103  
Page No. :-

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
23	02/03/2016	24	1	7:00	10:00	3:00	72:00:00
		24	1	11:00	13:00	2:00	48:00:00
		24	1	14:00	16:00	2:00	48:00:00
		24	1	17:00	18:30	1:30	36:00:00
24	03/03/2016	24	1	6:00	10:00	4:00	96:00:00
		24	1	11:00	13:00	2:00	48:00:00
		24	1	15:00	17:00	2:00	48:00:00
25	04/03/2016	24	1	6:00	10:00	4:00	96:00:00
		24	1	12:00	13:00	1:00	24:00:00
		24	1	14:30	16:00	1:30	36:00:00
		24	1	17:00	18:30	1:30	36:00:00
26	05/03/2016	24	1	7:00	10:00	3:00	72:00:00
		24	1	11:00	13:00	2:00	48:00:00
		24	1	14:00	16:00	2:00	48:00:00
		24	1	17:00	18:00	1:00	24:00:00
27	06/03/2016	24	1	6:30	9:30	3:00	72:00:00
		24	1	10:30	13:00	2:30	60:00:00
28	07/03/2016	24	1	7:30	10:00	2:30	60:00:00
		24	1	11:00	13:00	2:00	48:00:00
29	08/03/2016	24	1	9:00	12:00	3:00	72:00:00
		24	1	14:00	16:00	2:00	48:00:00
		24	1	17:00	18:30	1:30	36:00:00
30	09/03/2016	24	1	6:00	10:00	4:00	96:00:00
		24	1	11:00	13:00	2:00	48:00:00
		24	1	14:30	16:00	1:30	36:00:00
		24	1	17:30	18:30	1:00	24:00:00
31	10/03/2016	24	1	6:30	9:30	3:00	72:00:00
		24	1	10:00	12:00	2:00	48:00:00
		24	1	14:00	16:00	2:00	48:00:00
		24	1	17:00	18:00	1:00	24:00:00
32	11/03/2016	24	1	7:00	10:00	3:00	72:00:00
		24	1	11:00	12:00	1:00	24:00:00
		24	1	13:00	14:00	1:00	24:00:00
		24	1	15:00	17:00	2:00	48:00:00
33	12/03/2016	24	1	17:30	18:30	1:00	24:00:00
		24	1	6:00	9:00	3:00	72:00:00
		24	1	10:00	12:00	2:00	48:00:00
		24	1	14:00	16:00	2:00	48:00:00
34	14/03/2016	24	1	17:00	18:30	1:30	36:00:00
		24	1	7:00	9:30	2:30	60:00:00
		24	1	10:00	12:00	2:00	48:00:00
		24	1	14:00	16:00	2:00	48:00:00
		24	1	17:00	18:00	1:00	24:00:00



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Name of work:- development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-  
Page No. :-

109

Page 9 of 21

C Sewer-Dewatering RA9

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
35	15/03/2016	24	1	6:00	9:00	3:00	72:00:00
		24	1	10:00	12:00	2:00	48:00:00
		24	1	14:00	16:00	2:00	48:00:00
		24	1	17:00	18:00	1:00	24:00:00
36	16/03/2016	24	1	6:30	9:00	2:30	60:00:00
		24	1	10:00	12:00	2:00	48:00:00
		24	1	14:00	16:00	2:00	48:00:00
		24	1	17:00	18:00	1:00	24:00:00
37	17/03/2016	24	1	6:00	9:00	3:00	72:00:00
		24	1	10:00	13:00	3:00	72:00:00
		24	1	15:00	17:00	2:00	48:00:00
38	18/03/2016	24	1	7:00	10:00	3:00	72:00:00
		24	1	11:00	13:00	2:00	48:00:00
		24	1	15:00	18:00	3:00	72:00:00
39	19/03/2016	24	1	6:00	9:00	3:00	72:00:00
		24	1	10:00	13:00	3:00	72:00:00
		24	1	15:00	17:30	2:30	60:00:00
40	20/03/2016	24	1	9:00	12:00	3:00	72:00:00
41	21/03/2016	24	1	6:00	10:00	4:00	96:00:00
		24	1	11:00	13:00	2:00	48:00:00
		24	1	15:00	17:00	2:00	48:00:00
42	22/03/2016	24	1	7:00	12:00	5:00	120:00:00
		24	1	15:00	18:00	3:00	72:00:00
43	23/03/2016	24	1	7:30	12:30	5:00	120:00:00
		24	1	15:30	18:30	3:00	72:00:00
44	25/03/2016	24	1	7:00	11:00	4:00	96:00:00
<b>C-1200mm- Saraswat Bank</b>							
1	31/03/2016	24	1	11:00	13:00	2:00	48:00:00
		24	1	14:00	18:00	4:00	96:00:00
2	01/04/2016	24	1	8:00	12:00	4:00	96:00:00
		24	1	14:00	18:00	4:00	96:00:00
		24	1	8:00	10:00	2:00	48:00:00
3	02/04/2016	24	1	11:00	13:00	2:00	48:00:00
		24	1	14:00	18:00	4:00	96:00:00
		24	1	8:00	13:00	5:00	120:00:00
4	03/04/2016	24	1	9:00	13:00	4:00	96:00:00
		24	1	14:00	18:00	4:00	96:00:00
5	04/04/2016	24	1	11:00	14:00	3:00	72:00:00
		24	1	15:00	18:00	3:00	72:00:00
6	05/04/2016	24	1	8:00	13:00	5:00	120:00:00
		24	1	14:00	16:30	2:30	60:00:00
7	06/04/2016	15	1	9:00	13:00	4:00	60:00:00
		15	1	14:00	16:00	2:00	30:00:00
		6.5	1	8:30	12:30	4:00	26:00:00
		6.5	1	14:00	18:00	4:00	26:00:00



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zaha, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zaha, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :- 11  
Page No. :-

C Sewer-Dewatering RA9

Sr.No.	Date	Pump Capacity in Hp	No. of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
9	08/04/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	15:00	17:00	2:00	30:00:00
		6.5	1	9:00	13:00	4:00	26:00:00
		6.5	1	14:00	17:00	3:00	19:30:00
10	09/04/2016	15	1	9:00	13:00	4:00	60:00:00
		15	1	14:00	17:00	3:00	45:00:00
		6.5	1	8:00	12:00	4:00	26:00:00
		6.5	1	14:00	18:00	4:00	26:00:00
11	10/04/2016	15	1	9:00	13:00	4:00	60:00:00
		6.5	1	8:00	13:00	5:00	32:30:00
		15	1	8:30	12:30	4:00	60:00:00
12	11/04/2016	15	1	14:00	18:00	4:00	60:00:00
		6.5	1	9:00	13:00	4:00	26:00:00
		6.5	1	15:00	17:00	2:00	13:00:00
		15	1	8:00	13:00	5:00	75:00:00
13	12/04/2016	15	1	15:00	18:00	3:00	45:00:00
		6.5	1	8:00	13:00	5:00	32:30:00
		6.5	1	15:00	17:00	2:00	13:00:00
		15	1	8:00	12:00	4:00	60:00:00
14	13/04/2016	15	1	14:30	18:30	4:00	60:00:00
		6.5	1	8:00	12:00	4:00	26:00:00
		6.5	1	15:00	18:00	3:00	19:30:00
		15	1	9:00	13:00	4:00	60:00:00
15	15/04/2016	15	1	14:00	18:00	4:00	60:00:00
		6.5	1	8:00	12:00	4:00	26:00:00
		6.5	1	15:00	18:00	3:00	19:30:00
		15	1	9:00	13:00	4:00	60:00:00
16	16/04/2016	15	1	12:00	17:00	5:00	75:00:00
		6.5	1	8:00	13:00	5:00	32:30:00
		6.5	1	14:00	16:00	2:00	13:00:00
		15	1	8:00	12:00	4:00	60:00:00
17	18/04/2016	15	1	15:00	18:00	3:00	45:00:00
		6.5	1	9:00	12:00	3:00	19:30:00
		6.5	1	14:00	17:00	3:00	19:30:00
		15	1	8:30	12:00	3:30	52:30:00
18	19/04/2016	15	1	14:00	18:00	4:00	60:00:00
		6.5	1	8:00	12:00	4:00	26:00:00
		6.5	1	14:00	17:00	3:00	19:30:00
		15	1	7:30	12:00	4:30	67:30:00
19	20/04/2016	15	1	14:00	16:00	2:00	30:00:00
		6.5	1	8:00	13:00	5:00	32:30:00
		24	1	8:00	12:00	4:00	96:00:00
20	21/04/2016	24	1	14:00	18:00	4:00	96:00:00
		24	1	9:00	13:00	4:00	96:00:00
21	22/04/2016	24	1	14:00	17:00	3:00	72:00:00



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salam Akh. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-

Page No. :- 111

Page 11 of 21

C Sewer-Dewatering RA9

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
22	23/04/2016	24	1	8:00	12:00	4:00	96:00:00
		24	1	14:00	18:00	4:00	96:00:00
23	25/04/2016	24	1	9:00	13:00	4:00	96:00:00
		24	1	14:00	17:00	3:00	72:00:00
24	26/04/2016	24	1	8:00	12:00	4:00	96:00:00
		24	1	14:00	18:00	4:00	96:00:00
25	27/04/2016	24	1	8:00	13:00	5:00	120:00:00
		24	1	14:00	17:00	3:00	72:00:00
26	28/04/2016	24	1	9:00	13:00	4:00	96:00:00
		24	1	14:00	17:00	3:00	72:00:00
C-1000mm-Part I							
1	14/12/2015	5	1	8:00	9:30	1:30	7:30:00
		8	1	8:00	9:30	1:30	12:00:00
		8	1	10:00	11:30	1:30	12:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	16:00	17:00	1:00	8:00:00
2	15/12/2015	5	1	7:10	10:10	3:00	15:00:00
		8	1	7:10	10:10	3:00	24:00:00
		8	1	11:30	12:30	1:00	8:00:00
		8	1	14:00	16:30	2:30	20:00:00
		8	1	18:00	19:00	1:00	8:00:00
3	16/12/2015	5	1	6:50	10:50	4:00	20:00:00
		8	1	6:50	10:50	4:00	32:00:00
		8	1	11:30	12:30	1:00	8:00:00
		8	1	13:30	15:30	2:00	16:00:00
		8	1	17:00	19:00	2:00	16:00:00
4	18/12/2015	5	1	7:30	10:30	3:00	15:00:00
		8	1	7:30	10:30	3:00	24:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	14:30	15:30	1:00	8:00:00
		8	1	17:00	19:00	2:00	16:00:00
5	19/12/2015	5	1	7:00	10:30	3:30	17:30:00
		8	1	7:00	10:30	3:30	28:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	14:30	16:00	1:30	12:00:00
		8	1	17:00	19:00	2:00	16:00:00
6	20/12/2015	5	1	6:30	10:30	4:00	20:00:00
		8	1	6:30	10:30	4:00	32:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
		5	1	7:20	10:50	3:30	17:30:00
7	21/12/2015	8	1	7:20	10:50	3:30	28:00:00
		5	1	12:00	14:00	2:00	10:00:00
		5	1	15:30	16:30	1:00	5:00:00
		5	1	18:30	19:30	1:00	5:00:00



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Sr.No.	Date	Pump Capacity in Hp	No. of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
8	22/12/2015	5	1	6:20	10:20	4:00	20:00:00
		8	1	6:20	10:20	4:00	32:00:00
		5	1	11:30	13:30	2:00	10:00:00
		5	1	14:30	16:30	2:00	10:00:00
		5	1	18:00	20:00	2:00	10:00:00
9	23/12/2015	5	1	7:10	10:40	3:30	17:30:00
		8	1	7:10	10:40	3:30	28:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	14:30	16:30	2:00	16:00:00
		8	1	18:00	20:30	2:30	20:00:00
10	26/12/2015	5	1	7:20	10:20	3:00	15:00:00
		8	1	7:20	10:20	3:00	24:00:00
		8	1	11:00	13:30	2:30	20:00:00
		8	1	15:00	17:00	2:00	16:00:00
		8	1	6:30	10:30	4:00	20:00:00
11	03/01/2016	8	1	6:30	10:30	4:00	32:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	14:30	16:00	1:30	12:00:00
		8	1	17:30	20:00	2:30	20:00:00
		8	1	7:00	10:30	3:30	17:30:00
12	04/01/2016	5	1	7:00	10:30	3:30	17:30:00
		8	1	7:00	10:30	3:30	28:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
		8	1	18:00	19:30	1:30	12:00:00
13	07/01/2016	5	1	7:20	10:20	3:00	15:00:00
		8	1	7:20	10:20	3:00	24:00:00
		8	1	11:00	13:30	2:30	20:00:00
		8	1	14:30	16:30	2:00	16:00:00
		8	1	18:00	20:30	2:30	20:00:00
14	10/01/2016	5	1	6:50	10:50	4:00	20:00:00
		8	1	6:50	10:50	4:00	32:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
		8	1	18:00	19:00	1:00	8:00:00
15	11/01/2016	5	1	6:30	10:30	4:00	20:00:00
		8	1	6:30	10:30	4:00	32:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	14:30	16:30	2:00	16:00:00
		8	1	17:00	18:00	1:00	8:00:00
16	12/01/2016	5	1	7:10	10:40	3:30	17:30:00
		8	1	7:10	10:40	3:30	28:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	14:30	16:30	2:00	16:00:00
		8	1	17:30	19:30	2:00	16:00:00



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Name of work: Development of Underground Sewerage Collection System for Zone 1 to 5 and Zone Salim Ali, Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Page No. :- 1

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
17	15/1/2016	5	1	6:20	10:20	4:00	20:00:00
		8	1	6:20	10:20	4:00	32:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
		8	1	18:00	20:00	2:00	16:00:00
18	16/1/2016	5	1	7:20	10:20	3:00	15:00:00
		8	1	7:20	10:20	3:00	24:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
		8	1	18:00	20:30	2:30	20:00:00
19	20/1/2016	5	1	7:00	10:30	3:30	17:30:00
		8	1	7:00	10:30	3:30	28:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
		8	1	18:00	20:30	2:30	20:00:00
20	22/1/2016	5	1	6:40	10:40	4:00	20:00:00
		8	1	6:40	10:40	4:00	32:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
		8	1	18:00	19:30	1:30	12:00:00
21	23/1/2016	5	1	6:50	10:50	4:00	20:00:00
		8	1	6:50	10:50	4:00	32:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
		8	1	18:00	19:30	1:30	12:00:00
22	24/1/2016	5	1	7:10	10:40	3:30	17:30:00
		8	1	7:10	10:40	3:30	28:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	14:30	16:30	2:00	16:00:00
		8	1	18:00	19:30	1:30	12:00:00
23	28/1/2017	5	1	7:00	10:30	3:30	17:30:00
		8	1	7:00	10:30	3:30	28:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	14:30	16:30	2:00	16:00:00
		8	1	18:00	20:00	2:00	16:00:00
24	29/1/2016	8	1	6:30	10:30	4:00	32:00:00
		8	1	11:30	13:30	2:00	16:00:00
		8	1	14:30	15:30	1:00	8:00:00
		8	1	17:00	19:30	2:30	20:00:00
25	30/1/2016	5	1	7:20	10:50	3:30	17:30:00
		8	1	7:20	10:50	3:30	28:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	16:00	18:00	2:00	16:00:00
		8	1	19:00	20:00	1:00	8:00:00



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Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
C-1000mm-Part II							
1	10/01/2016	15	1	6:10	10:10	4:00	60:00:00
		5	1	11:30	13:30	2:00	10:00:00
		5	1	14:30	16:30	2:00	10:00:00
		5	1	18:00	19:00	1:00	5:00:00
2	11/01/2016	15	1	7:00	10:30	3:30	52:30:00
		5	1	11:30	12:30	1:00	5:00:00
		5	1	13:00	15:00	2:00	10:00:00
		5	1	16:00	18:00	2:00	10:00:00
3	12/01/2016	15	1	7:10	10:40	3:30	52:30:00
		5	1	12:00	14:00	2:00	10:00:00
		5	1	15:00	17:00	2:00	10:00:00
		5	1	18:00	20:00	2:00	10:00:00
4	13/1/2016	15	1	6:50	10:50	4:00	60:00:00
		5	1	12:00	14:00	2:00	10:00:00
		5	1	16:00	18:00	2:00	10:00:00
		5	1	19:00	20:00	1:00	5:00:00
5	14/1/2016	15	1	6:30	10:30	4:00	60:00:00
		5	1	12:00	14:00	2:00	10:00:00
		5	1	15:00	17:00	2:00	10:00:00
		5	1	18:00	19:00	1:00	5:00:00
6	15/1/2016	15	1	7:00	10:00	3:00	45:00:00
		5	1	11:00	13:00	2:00	10:00:00
		5	1	14:00	16:00	2:00	10:00:00
		5	1	17:00	19:30	2:30	12:30:00
7	17/1/2016	15	1	6:10	10:10	4:00	60:00:00
		5	1	11:00	13:00	2:00	10:00:00
		5	1	14:00	16:00	2:00	10:00:00
		5	1	18:00	20:00	2:00	10:00:00
8	19/1/2016	15	1	7:30	11:30	4:00	60:00:00
		5	1	13:00	15:00	2:00	10:00:00
		5	1	16:00	18:00	2:00	10:00:00
		5	1	19:00	20:00	1:00	5:00:00
9	20/1/2016	15	1	7:00	10:30	3:30	52:30:00
		5	1	11:30	13:30	2:00	10:00:00
		5	1	15:00	17:00	2:00	10:00:00
		5	1	18:00	19:30	1:30	7:30:00
10	21/1/2016	15	1	6:50	10:50	4:00	60:00:00
		5	1	12:50	14:50	2:00	10:00:00
		5	1	16:00	18:00	2:00	10:00:00
		5	1	19:00	20:00	1:00	5:00:00
11	22/1/2016	15	1	7:00	10:30	3:30	52:30:00
		5	1	11:30	13:30	2:00	10:00:00
		5	1	14:30	16:30	2:00	10:00:00
		5	1	17:30	19:30	2:00	10:00:00



*[Handwritten signature]*

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-  
Page No. :-

115

Page 15 of 21

C Sewer-Dewatering RA9

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
12	23/1/2016	15	1	6:50	9:50	3:00	45:00:00
		5	1	11:00	13:00	2:00	10:00:00
		5	1	14:00	16:00	2:00	10:00:00
		5	1	17:00	19:00	2:00	10:00:00
13	24/1/2016	15	1	6:30	10:30	4:00	60:00:00
		5	1	11:30	13:30	2:00	10:00:00
		5	1	14:30	16:30	2:00	10:00:00
		5	1	17:30	19:30	2:00	10:00:00
14	25/1/2016	15	1	7:10	10:50	3:40	55:00:00
		5	1	11:30	13:30	2:00	10:00:00
		5	1	14:10	17:10	3:00	15:00:00
		5	1	18:35	20:35	2:00	10:00:00
15	27/1/2016	15	1	7:30	11:00	3:30	52:30:00
		5	1	12:10	14:40	2:30	12:30:00
		5	1	15:30	17:30	2:00	10:00:00
		5	1	18:30	20:30	2:00	10:00:00
16	28/1/2016	15	1	6:30	10:30	4:00	60:00:00
		5	1	11:30	13:30	2:00	10:00:00
		5	1	14:50	16:50	2:00	10:00:00
		5	1	18:00	20:00	2:00	10:00:00
17	29/1/2016	15	1	7:00	10:30	3:30	52:30:00
		5	1	12:00	14:00	2:00	10:00:00
		5	1	15:00	16:00	1:00	5:00:00
		5	1	18:00	20:00	2:00	10:00:00
18	30/1/2016	15	1	6:30	10:30	4:00	60:00:00
		5	1	11:30	13:30	2:00	10:00:00
		5	1	14:00	15:00	1:00	5:00:00
		5	1	17:00	20:00	3:00	15:00:00
19	31/1/2016	15	1	7:20	10:50	3:30	52:30:00
		5	1	12:00	14:00	2:00	10:00:00
		5	1	15:15	17:45	2:30	12:30:00
		5	1	19:00	20:00	1:00	5:00:00
20	01/03/2016	15	1	6:50	10:50	4:00	60:00:00
		5	1	12:00	14:00	2:00	10:00:00
		5	1	16:00	18:00	2:00	10:00:00
		5	1	19:00	20:30	1:30	7:30:00
<b>C-1000mm-Kachiwada</b>							
1	15/03/2016	24	1	8:30	12:00	3:30	84:00:00
		24	1	14:00	18:00	4:00	96:00:00
2	16/03/2016	24	1	7:00	12:30	5:30	132:00:00
		24	1	14:00	18:00	4:00	96:00:00
3	17/03/2016	24	1	7:30	12:30	5:00	120:00:00
		24	1	14:00	16:00	2:00	48:00:00
4	18/03/2016	24	1	8:00	12:00	4:00	96:00:00
		24	1	13:30	18:00	4:30	108:00:00



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Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
5	19/03/2016	24	1	7:30	12:30	5:00	120:00:00
		24	1	13:30	16:00	2:30	60:00:00
6	21/03/2016	24	1	8:00	12:30	4:30	108:00:00
		24	1	13:30	18:30	5:00	120:00:00
7	22/03/2016	24	1	8:30	12:30	4:00	96:00:00
		24	1	13:30	16:00	2:30	60:00:00
8	25/03/2016	24	1	9:30	12:30	3:00	72:00:00
		24	1	13:30	18:30	5:00	120:00:00
9	26/03/2016	24	1	9:00	12:00	3:00	72:00:00
		24	1	13:30	18:00	4:30	108:00:00
10	28/03/2016	24	1	6:30	11:30	5:00	120:00:00
		24	1	13:30	17:00	3:30	84:00:00
11	29/03/2016	24	1	9:00	12:30	3:30	84:00:00
		24	1	14:00	17:30	3:30	84:00:00
12	30/03/2016	24	1	9:30	12:30	3:00	72:00:00
		24	1	13:30	18:30	5:00	120:00:00
13	31/03/2016	24	1	8:30	12:30	4:00	96:00:00
		24	1	13:30	18:30	5:00	120:00:00
14	01/04/2016	24	1	8:00	11:00	3:00	72:00:00
		24	1	14:00	18:00	4:00	96:00:00
15	02/04/2016	24	1	7:30	10:30	3:00	72:00:00
		24	1	14:00	18:00	4:00	96:00:00
16	04/04/2016	24	1	8:30	11:30	3:00	72:00:00
		24	1	14:30	18:00	3:30	84:00:00
17	05/04/2016	24	1	8:00	11:00	3:00	72:00:00
		24	1	14:00	18:30	4:30	108:00:00
18	06/04/2016	24	1	7:00	11:00	4:00	96:00:00
		24	1	14:00	17:00	3:00	72:00:00
19	07/04/2016	24	1	8:00	12:00	4:00	96:00:00
		24	1	14:00	17:00	3:00	72:00:00
20	09/04/2016	24	1	7:30	11:00	3:30	84:00:00
		24	1	13:30	17:30	4:00	96:00:00
21	11/04/2016	24	1	8:00	12:00	4:00	96:00:00
		24	1	14:00	17:00	3:00	72:00:00
22	12/04/2016	24	1	7:00	11:00	4:00	96:00:00
		24	1	14:00	17:00	3:00	72:00:00
23	13/04/2016	24	1	8:00	11:00	3:00	72:00:00
		24	1	14:00	18:00	4:00	96:00:00
24	15/04/2016	24	1	8:30	11:30	3:00	72:00:00
		24	1	14:30	18:30	4:00	96:00:00
25	16/04/2016	24	1	8:00	12:00	4:00	96:00:00
		24	1	14:00	18:00	4:00	96:00:00
26	18/04/2016	24	1	8:00	11:00	3:00	72:00:00
		24	1	14:00	18:00	4:00	96:00:00



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Name of work:- Descent of Underground Sewerage Collection system for Zone I to VI and Zone Salim AS. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :- 117  
Page No. :- 117

Page 17 of 21

C Sewer-Dewatering RA9

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
27	19/04/2016	24	1	7:30	11:30	4:00	96:00:00
		24	1	13:00	15:00	2:00	48:00:00
28	20/04/2016	24	1	8:00	11:00	3:00	72:00:00
		24	1	13:00	18:00	5:00	120:00:00
29	21/04/2016	24	1	8:00	12:00	4:00	96:00:00
		24	1	14:00	17:00	3:00	72:00:00
30	22/04/2016	24	1	7:00	12:00	5:00	120:00:00
		24	1	13:00	15:00	2:00	48:00:00
31	23/04/2016	24	1	8:00	12:00	4:00	96:00:00
		24	1	13:00	16:30	3:30	84:00:00
32	25/04/2016	24	1	8:00	12:30	4:30	108:00:00
		24	1	14:00	18:00	4:00	96:00:00
33	26/04/2016	24	1	7:30	11:00	3:30	84:00:00
		24	1	14:00	16:00	2:00	48:00:00
34	27/04/2016	24	1	8:00	11:00	3:00	72:00:00
		24	1	14:00	17:00	3:00	72:00:00
35	28/04/2016	24	1	7:00	12:00	5:00	120:00:00
36	29/04/2016	24	1	8:00	11:30	3:30	84:00:00
		24	1	15:00	18:30	3:30	84:00:00
37	30/04/2016	24	1	8:00	12:00	4:00	96:00:00
		24	1	14:00	18:00	4:00	96:00:00
38	01/05/2016	24	1	7:30	11:00	3:30	84:00:00
		24	1	14:00	16:00	2:00	48:00:00
C line DIA 700 MM							
1	02/01/2016	8	1	6:40	10:40	4:00	32:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
2	03/01/2016	8	1	7:20	10:50	3:30	28:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	16:00	18:00	2:00	16:00:00
		8	1	19:00	20:30	1:30	12:00:00
3	04/01/2016	5	1	7:00	10:30	3:30	17:30:00
		8	1	7:00	10:30	3:30	28:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
		8	1	18:00	20:00	2:00	16:00:00
4	05/01/2016	5	1	7:10	10:40	3:30	17:30:00
		8	1	7:10	10:40	3:30	28:00:00
		8	1	12:10	14:40	2:30	20:00:00
		8	1	15:30	17:30	2:00	16:00:00
		8	1	18:00	19:30	1:30	12:00:00



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zaha, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zaha, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Book No. :- 118  
Page No. :-

Page 18 of 21

C Sewer-Dewatering RA9

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
5	06/01/2016	5	1	7:00	10:00	3:00	15:00:00
		8	1	7:00	10:00	3:00	24:00:00
		8	1	11:00	13:00	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
		8	1	18:00	20:00	2:00	16:00:00
6	07/01/2016	5	1	6:30	10:30	4:00	20:00:00
		8	1	6:30	10:30	4:00	32:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
		8	1	19:00	20:00	1:00	8:00:00
7	08/01/2016	5	1	7:00	10:30	3:30	17:30:00
		8	1	7:00	10:30	3:30	28:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
		8	1	18:00	19:30	1:30	12:00:00
8	10/01/2016	5	1	6:50	10:50	4:00	20:00:00
		8	1	6:50	10:50	4:00	32:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
		8	1	18:00	20:00	2:00	16:00:00
9	12/01/2016	5	1	7:20	11:20	4:00	20:00:00
		8	1	7:20	11:20	4:00	32:00:00
		8	1	12:30	14:30	2:00	16:00:00
		8	1	16:00	18:00	2:00	16:00:00
10	13/1/2016	5	1	6:50	10:50	4:00	20:00:00
		8	1	6:50	10:50	4:00	32:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	15:00	17:00	2:00	16:00:00
11	16/1/2016	5	1	7:00	10:30	3:30	17:30:00
		8	1	7:00	10:30	3:30	28:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	15:00	16:00	1:00	8:00:00
		8	1	17:00	20:00	3:00	24:00:00
12	18/2/2016	5	1	6:30	10:30	4:00	20:00:00
		8	1	6:30	10:30	4:00	32:00:00
		8	1	12:10	14:10	2:00	16:00:00
		8	1	15:30	17:30	2:00	16:00:00
		8	1	18:00	19:30	1:30	12:00:00
13	19/1/2016	5	1	6:50	10:50	4:00	20:00:00
		8	1	6:50	10:50	4:00	32:00:00
		8	1	12:45	14:45	2:00	16:00:00
		8	1	16:00	18:00	2:00	16:00:00
		8	1	19:00	20:30	1:30	12:00:00



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Name of work: Development of Underground Sewage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Bancwadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Sr.No.	Date	Pump Capacity in Hp	No. of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
14	22/1/2016	5	1	7:20	10:50	3:30	17:30:00
		8	1	7:20	10:50	3:30	28:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	15:00	16:00	1:00	8:00:00
		8	1	18:00	20:00	2:00	16:00:00
15	24/1/2016	5	1	6:50	10:50	4:00	20:00:00
		8	1	6:50	10:50	4:00	32:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	15:10	17:10	2:00	16:00:00
		8	1	18:30	20:30	2:00	16:00:00
16	27/1/2016	5	1	6:45	10:45	4:00	20:00:00
		8	1	6:45	10:45	4:00	32:00:00
		8	1	12:10	14:10	2:00	16:00:00
		8	1	15:30	17:00	1:30	12:00:00
		8	1	18:00	20:00	2:00	16:00:00
17	28/1/2016	5	1	7:20	10:50	3:30	17:30:00
		8	1	7:20	10:50	3:30	28:00:00
		8	1	12:00	14:00	2:00	16:00:00
		8	1	15:45	17:45	2:00	16:00:00
		8	1	19:00	20:00	1:00	8:00:00
18	29/1/2016	5	1	7:00	10:30	3:30	17:30:00
		8	1	7:00	10:30	3:30	28:00:00
		8	1	15:00	16:00	1:00	8:00:00
		8	1	17:00	20:00	3:00	24:00:00
<b>C line DIA 700 MM-Katkat Gate to Azad Chowk</b>							
1	18/03/2016	15	1	11:30	13:00	1:30	22:30:00
		15	1	14:30	16:00	1:30	22:30:00
2	19/03/2016	15	1	9:00	10:30	1:30	22:30:00
		15	1	11:00	12:00	1:00	15:00:00
		15	1	13:30	15:00	1:30	22:30:00
		15	1	15:30	17:30	2:00	30:00:00
3	20/03/2016	15	1	9:00	10:30	1:30	22:30:00
		15	1	12:00	13:00	1:00	15:00:00
		15	1	14:00	15:30	1:30	22:30:00
4	21/03/2016	15	1	9:00	10:30	1:30	22:30:00
		15	1	11:00	12:30	1:30	22:30:00
		15	1	14:00	15:30	1:30	22:30:00
		15	1	16:30	18:00	1:30	22:30:00
5	22/03/2016	15	1	9:00	10:30	1:30	22:30:00
		15	1	11:00	12:00	1:00	15:00:00
		15	1	13:30	15:00	1:30	22:30:00
		15	1	16:00	18:00	2:00	30:00:00



*(Handwritten signature)*

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali, Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-  
Page No. :-

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
6	23/03/2016	15	1	9:00	10:00	1:00	15:00:00
		15	1	11:00	12:30	1:30	22:30:00
		15	1	13:00	14:30	1:30	22:30:00
		15	1	15:30	18:00	2:30	37:30:00
7	25/03/2016	15	1	9:00	10:00	1:00	15:00:00
		15	1	11:00	12:30	1:30	22:30:00
		15	1	14:00	15:30	1:30	22:30:00
		15	1	16:30	18:00	1:30	22:30:00
8	26/03/2016	15	1	9:30	12:30	3:00	45:00:00
		15	1	13:30	15:30	2:00	30:00:00
		15	1	16:00	18:00	2:00	30:00:00
9	27/03/2016	15	1	9:35	13:35	4:00	60:00:00
10	28/03/2016	15	1	8:30	11:30	3:00	45:00:00
		15	1	12:00	13:30	1:30	22:30:00
		15	1	15:00	18:00	3:00	45:00:00
11	29/03/2016	15	1	9:00	12:00	3:00	45:00:00
		15	1	13:30	15:30	2:00	30:00:00
		15	1	16:00	18:00	2:00	30:00:00
12	30/03/2016	15	1	8:30	11:30	3:00	45:00:00
		15	1	12:00	13:00	1:00	15:00:00
		15	1	14:00	16:00	2:00	30:00:00
		15	1	16:00	17:00	1:00	15:00:00
13	31/03/2016	15	1	9:00	10:30	1:30	22:30:00
		15	1	11:00	12:30	1:30	22:30:00
		15	1	14:00	15:30	1:30	22:30:00
		15	1	16:30	18:00	1:30	22:30:00
14	01/04/2016	15	1	9:35	13:35	4:00	60:00:00
15	04/04/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	13:00	14:00	1:00	15:00:00
16	06/04/2016	15	1	9:00	13:00	4:00	60:00:00
		15	1	14:00	16:00	2:00	30:00:00
17	07/04/2016	15	1	8:00	13:00	5:00	75:00:00
		15	1	14:00	18:00	4:00	60:00:00
18	09/04/2016	15	1	11:00	13:00	2:00	30:00:00
		15	1	14:00	18:00	4:00	60:00:00
19	10/04/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	18:00	4:00	60:00:00
20	11/04/2016	15	1	8:30	11:30	3:00	45:00:00
		15	1	12:00	13:00	1:00	15:00:00
		15	1	14:00	18:30	4:30	67:30:00
21	12/04/2016	15	1	9:00	12:30	3:30	52:30:00
		5	1	14:00	18:00	4:00	20:00:00
22	13/04/2016	15	1	8:00	12:30	4:30	67:30:00
		5	1	14:00	18:00	4:00	20:00:00



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-

Page No. :-

Page 1 of 1

C Sewer-Disposal qty

9th R A BILL MEASUREMENTS

Sewer "C"

Item No. 11										
Disposal of excavated material including loading the excavated material in trucks / tractors and unloading the same at a distance of 10 KMS as directed by engineer-in-charge.										
SR.NO.	Particulars of work	UNIT	DETAILS							
			Chainage		NO	L	B	D	QTY	Total Qty. Of Disposal
			From	To						
1	1600mm Dia		0.00	630.75						
	Pipe volume	Cum			0.785	630.75	1.930	1.930	1844.34	2192.52
	Murum bedding	Cum				630.75	2.760	0.200	348.17	
<b>Total</b>										<b>2192.52</b>



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Empty grid table for further measurements.



Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali, Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport); Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Book No. :  
Page No. : 123

9th R A BILL MEASUREMENTS

Sewer C														
BBS for Scrapper of 6.5m Depth (C 15) At Junction of C & D														
Sr. No.	Description	No. of Scrapeers	Dia of Bar	Spacing	Nos	No of members	Total Nos	cut length	Lap length	overall cutting length	8mm (MT)	10mm (MT)	12mm (MT)	16mm (MT)
<b>A Raft</b>														
1	# 10 @ 200 C/C B/W at T & B	1.00	10.00	0.20	25.00	4.00	100.00	4.72	0.00	472.00	0.000	0.293	0.000	0.000
<b>B Wall</b>														
<b>B.1 Horizontal</b>														
1	# 10 @ 150 C/C at O/F	1.00	10.00	0.15	45.00	4.00	180.00	4.92	0.00	885.60	0.000	0.549	0.000	0.000
2	# 10 @ 150 C/C at I/F	1.00	10.00	0.15	45.00	4.00	180.00	4.36	0.00	784.80	0.000	0.487	0.000	0.000
3	# 12 @ 150 C/C Extra at corner on I/F	1.00	12.00	0.15	45.00	4.00	180.00	2.54	0.00	457.20	0.000	0.000	0.406	0.000
4	# 8 @ 150 C/C Extra at corner on O/F	1.00	8.00	0.15	45.00	4.00	180.00	2.06	0.00	370.80	0.148	0.000	0.000	0.000
<b>B.2 Vertical</b>														
1	# 10 @ 200 C/C at B/F	1.00	10.00	0.20	20.00	8.00	160.00	7.56	0.00	1209.60	0.000	0.750	0.000	0.000
2	# 16 @ 200 C/C Extra curtail at I/F	1.00	16.00	0.20	20.00	4.00	80.00	2.42	0.00	193.60	0.000	0.000	0.000	0.306
<b>C Top Slab</b>														
1	# 10 @ 200 C/C B/W at Bottom	1.00	10.00	0.20	20.00	2.00	40.00	5.71	0.00	228.40	0.000	0.142	0.000	0.000
<b>D At Opening</b>														
1	# 16 @ 2 nos	1.00	16.00		2.00	4.00	8.00	1.28	0.00	10.24	0.000	0.000	0.000	0.016
2	# 16 @ 2 nos	1.00	16.00		2.00	4.00	8.00	2.00	0.00	16.00	0.000	0.000	0.000	0.025
<b>E At Pipe Opening</b>														
1	# 16 @ 3 nos	1.00	16.00		3.00	8.00	24.00	3.05	0.00	73.20	0.000	0.000	0.000	0.116
<b>Sub Total</b>											<b>0.148</b>	<b>2.220</b>	<b>0.406</b>	<b>0.463</b>
<b>Total</b>											<b>3.238</b>			



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-  
Page No. :-

127

C Sewer-Quantity Node Abstract

9th R A BILL MEASUREMENTS

SEWER "C"

SR NO	Description	MB/PG	ITEM 1			ITEM 2			ITEM 3	ITEM 4				
			0-1.5	1.5-3.0	3.0-4.5	0-1.5	1.5-3.0	3.0-4.5		4.5-6	0-1.5	1.5-3.0	3.0-4.5	4.5-6
1	For Pipe		5,038.624	3,377.005	312.818	243.043	997.105	167.712	10.525	3,140.468	112.966	723.615	70.117	17.458
2	For Manhole		31.029	15.178			3.928			8.582				
	<b>Total</b>		<b>5,069.652</b>	<b>3,392.183</b>	<b>312.818</b>	<b>243.043</b>	<b>1,001.034</b>	<b>167.712</b>	<b>10.525</b>	<b>3,149.050</b>	<b>112.966</b>	<b>723.615</b>	<b>70.117</b>	<b>17.458</b>



PMC



Jr. Engineer

CLIENT

Dy. Engineer

Ex. Engineer

Total up to Date

10

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewerage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewerage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :- 123  
Page No. :-

C Sewer-Quantity Node Abstract

9th R A BILL MEASUREMENTS

SEWER "C"

SR NO	Description	MB/PG	ITEM 5			ITEM 6	ITEM 7	ITEM 8	ITEM 10	ITEM 11	ITEM 17			
			0-1.5	1.6-3.0	3-4.5						4.5-6	700mm	1000mm	1200mm
1	For Pipe		15.484	1,264.593	487.203	11.082	895.929	2.589	31,468.750	4,936.355	230.000	817.500	742.500	362.500
2	For Manhole					32.947				27.352				
	<b>Total</b>		<b>15.484</b>	<b>1,264.593</b>	<b>487.203</b>	<b>32.947</b>	<b>895.929</b>	<b>2.589</b>	<b>31,468.750</b>	<b>4,963.707</b>	<b>230.000</b>	<b>817.500</b>	<b>742.500</b>	<b>362.500</b>

*[Signature]*  
Ex. Engineer

CLIENT  
*[Signature]*  
Dy. Engineer

*[Signature]*  
Jr. Engineer



Total up Date

10

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

C Sewer-Quantity Node Abstract

9th R A BILL MEASUREMENTS

SEWER "C"

SR NO	Description	MB/PG	ITEM 22	ITEM 22.1	ITEM 24	ITEM 24.1	ITEM 28	ITEM 30	EIRL 1	EIRL 1.a	EIRL 4			EIRL 5		
			upto 5 m	Rebate	5-9 m	Rebate		3.5m	Rebate	a	c	a	b	c		
1	For Pipe							11,758.537				7.794	53.760			119.032
2	For Manhole		12.000	3.340	11.000	(49.600)	3.238	31.365	4.000	1.000					11.204	
	Total		12.000	3.340	11.000	(49.600)	3.238	11,789.902	4.000	1.000	7.794	53.760	-	11.204	119.032	



Jr. Engineer

Dy. Engineer

Ex. Engineer

CLIENT

PMC