



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

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Ambedkar Nagar Part-A,B,C,D,E and F - Mease. DWC Pipe

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 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.200			8.200		94.400	102.600
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=										
	Deduction							5.383			
	pipe area	1									
	soling			0.785	7.700	0.250	0.250	0.378			
	PCC							0.000			
	Murrum bedding							0.000			
								0.578			
								0.955			
	ANC 1 to ANC 2							4.428		64.244	68.673
	CH9.10	602.910	602.010	601.910							
	CH21.10	602.920	602.070	601.970			1.000	0.975			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.						0.950				
	(a) For Lift 0 to 1.5m	1			10.000	0.750	0.450	3.375		42.752	46.127
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.000	0.750	0.325	2.438		31.175	33.612
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			10.000	0.750	0.200	1.500		6.855	8.355
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.600	0.750	0.100	0.795		7.320	8.115
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.315		12.109	13.424
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			11.100			11.100		102.600	113.700
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							7.312			
	Deduction										
	pipe area	1									
	soling			0.785	10.600	0.250	0.250	0.520			
	PCC							0.000			
	Murrum bedding							0.000			
								0.795			
								1.315			
	ANC 2 to ANC 3							5.997		68.673	74.670
	CH21.10	602.920	602.070	601.970							
	CH23.50	603.015	602.115	602.015			0.950	0.975			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.						1.000				
	(a) For Lift 0 to 1.5m	1			0.400	0.750	0.475	0.142		46.127	46.269



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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 Nakshratwadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erecting, Testing and Commissioning of Sewage pumping stations at Rakowadi, Chikankot, Padegaon, Zalta, West

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Ambedkar Nagar Part-A,B,C,D,E and F - Mease. DWC Pipe

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			0.400	0.750	0.300	0.090		33.612	33.702
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.400	0.750	0.200	0.060		8.355	8.415
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.000	0.750	0.100	0.075		8.115	8.190
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.124		13.424	13.548
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			1.500			1.500		113.700	115.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=										
	Deduction							0.292			
	pipe area	1									
	soling			0.785	1.000	0.250	0.250	0.049			
	PCC							0.000			
	Murrum bedding							0.000			
								0.075			
								0.124			
	ANC 3 to ANC 4							0.168		74.670	74.838
	CH23.50	603.015	602.115	602.015							
	CH35.80	603.150	602.250	602.150				1.000			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.300	0.750	0.500	3.863		46.269	50.132
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.300	0.750	0.300	2.318		33.702	36.020
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			10.300	0.750	0.200	1.545		8.415	9.960
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.900	0.750	0.100	0.818		8.190	9.008
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.352		13.548	14.900
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			11.400			11.400		115.200	126.600
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							7.725			
	Deduction										



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Ambedkar Nagar Part-A,B,C,D,E and F - Mease. DWC Pipe

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	pipe area	1		0.785	10.900	0.250	0.250	0.535			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.818			
								1.352			
		Net Qty = A - B						6.373		74.838	81.211
	ANC 4 to ANC 5										
	CH35.80	603.150	602.250	602.150				1.000			
	CH43.60	603.200	602.400	602.300				0.900			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.800	0.750	0.500	2.175		50.132	52.307
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.800	0.750	0.250	1.088		36.020	37.107
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			5.800	0.750	0.200	0.870		9.960	10.830
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.400	0.750	0.100	0.480		9.008	9.488
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.794		14.900	15.694
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			6.900			6.900		126.600	133.500
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.133			
	Deduction										
	pipe area	1		0.785	6.400	0.250	0.250	0.314			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.480			
								0.794			
		Net Qty = A - B						3.339		81.211	84.550
	ANC 5 to ANC 6										
	CH43.60	603.200	602.400	602.300				0.900			
	CH49.70	603.340	602.490	602.390				0.950			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.100	0.750	0.500	1.538		52.307	53.844
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.100	0.750	0.225	0.692		37.107	37.799
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										





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Ambedkar Nagar Part-A,B,C,D,E and F - Mease. DWC Pipe

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	(a) For Lift 0 to 1.5m	1			4.100	0.750	0.200	0.615		10.830	11.445
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.700	0.750	0.100	0.353		9.488	9.840
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.583		15.694	16.277
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			5.200			5.200		133.500	138.700
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.844			
	Deduction										
	pipe area	1		0.785	4.700	0.250	0.250	0.231			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.353			
								0.583			
								Net Qty = A - B		2.261	84.550
	ANC 6 to ANC 7										86.811
	CH49.70	603.340	602.490	602.390				0.950			
	CH61.00	603.400	602.550	602.450				0.950			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.300	0.750	0.500	3.488		53.844	57.332
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.300	0.750	0.250	1.744		37.799	39.543
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			9.300	0.750	0.200	1.395		11.445	12.840
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.900	0.750	0.100	0.743		9.840	10.583
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.228		16.277	17.505
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			10.400			10.400		138.700	149.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.626			
	Deduction										
	pipe area	1		0.785	9.900	0.250	0.250	0.486			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.743			
								1.228			
								Net Qty = A - B		5.398	86.811
	Part-D- AND 0 to AND 1										92.209



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Ambedkar Nagar Part-A,B,C,D,E and F - Mease. DWC Pipe

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	CH0.00	604.850	603.900	603.800							
	CH14.50	604.910	604.010	603.910			1.050				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.						1.000	1.025			
	(a) For Lift 0 to 1.5m	1			12.800	0.750	1.025				
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.100	0.750	0.100	0.983		57.332	67.172
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.625		10.583	11.565
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			13.600			13.600		17.505	19.130
	Item No. 30 :- Refilling the excavated trenches ...									149.100	162.700
	Total Excavation=							9.840			
	Deduction										
	pipe area	1		0.785	13.100	0.250	0.250	0.643			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.983			
								1.625			
								8.215		92.209	100.424
	AND 1 to AND 2										
	CH14.50	604.910	604.010	603.910			1.000				
	CH30.00	604.740	604.190	604.090			0.650	0.825			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.500	0.750	0.725	7.341		67.172	74.512
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			13.500	0.750	0.100	1.013		12.840	13.853
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			14.100	0.750	0.100	1.058		11.565	12.623
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.749		19.130	20.880
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			14.600			14.600		162.700	177.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							8.353			
	Deduction										
	pipe area	1		0.785	14.100	0.250	0.250	0.692			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.058			
								1.749			



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Ambedkar Nagar Part-A,B,C,D,E and F - Mease. DWC Pipe

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	AND 2 to AND 3	Net Qty = A - B						6.604		100.424	107.028
	CH30.00	604.740	604.190	604.090							
	CH39.50	604.990	604.390	604.290			0.650				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.						0.700	0.675			
	(a) For Lift 0 to 1.5m	1			7.500	0.750	0.575	3.234		74.512	77.747
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			7.500	0.750	0.100	0.563		13.853	14.415
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.100	0.750	0.100	0.608		12.623	13.230
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.005		20.880	21.885
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.600			8.600		177.300	185.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.797			
	Deduction										
	pipe area	1		0.785	8.100	0.250	0.250	0.397			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.608			
								1.005			
		Net Qty = A - B						2.792		107.028	109.820
Part-E	ANE 0 to ANE 1										
	CH0.00	605.310	604.220	604.120			1.190				
	CH12.80	605.450	604.350	604.250			1.200	1.195			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.100	0.750	1.095	9.116		77.747	86.862
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			11.100	0.750	0.100	0.833		14.415	15.248
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.400	0.750	0.100	0.855		13.230	14.085
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.414		21.885	23.299
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			11.900			11.900		185.900	197.800
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							9.948			



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Date	Particulars of work	No					Content of arrears	Page Quantity	Last measurement	Total Upto Date
		GL	IL	EX.L	L	B				
	Item 13 (c) :- Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			16.600			204.300	220.900	
	excavated trenches ...									
	Item No. 30 :- Refilling the									
	Total Excavation =							13.369		
	Deduction							0.790		
	pipe area	1		0.785	16.100	0.250		0.000		
	soling							0.000		
	PCC							1.208		
	Murum bedding							1.997		
	Part-F ANF 0 to ANF 1							11.371	134.043	
	Net Qty = A - B									
	CH9.00	604.880	604.080	603.980			0.900			
	CH9.75	604.970	604.180	604.080			0.890	0.895		
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.									
	(a) For Lift 0 to 1.5m	1			8.050	0.750	0.795	4.800	108.526	
	Item No. 4 :- Excavation for soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			8.050	0.750	0.795	4.800	108.526	
	Item 13 (c) :- Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.850			8.850	220.900	
	excavated trenches ...									
	Item No. 30 :- Refilling the									
	Total Excavation =							5.404		
	Deduction							0.410		
	pipe area	1		0.785	8.350	0.250		0.000		
	soling							0.000		
	PCC							0.626		
	Murum bedding							1.036		
	Part-E ANF 1 to ANF 2							4.368	134.043	
	Net Qty = A - B									
	CH9.75	604.970	604.180	604.080			0.890			
	CH17.45	604.990	604.290	604.190			0.800	0.845		
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.									
	(a) For Lift 0 to 1.5m	1			5.700	0.750	0.845	3.612	108.526	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			6.300	0.750	0.100	0.473	16.369	
	Part-D ANF 1 to ANF 2								16.841	



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Ambedkar Nagar Part-A,B,C,D,E and F - Mease. DWC Pipe

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. : 11 Transportation of earth Transportation charges including loading & unloading							0.782		27.077	27.858
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			6.800			6.800		229.750	236.550
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.612			
	Deduction										
	pipe area	1		0.785	6.300	0.250	0.250	0.309			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.473			
								0.782			
								2.831		138.411	141.241
	Net Qty = A - B										
	ANF 2 to ANF 3										
	CH17.45	604.990	604.290	604.190			0.800	0.775			
	CH25.45	605.180	604.530	604.430			0.750				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.000	0.750	0.775	3.488		112.138	115.626
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.600	0.750	0.100	0.495		16.841	17.336
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.819		27.858	28.677
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			7.100			7.100		236.550	243.650
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.488			
	Deduction										
	pipe area	1		0.785	6.600	0.250	0.250	0.324			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.495			
								0.819			
								2.669		141.241	143.910
	Net Qty = A - B										
	ANF 3 to ANF 4										
	CH25.45	605.180	604.530	604.430			0.750	0.725			
	CH32.25	605.270	604.670	604.570			0.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.800	0.750	0.725	2.610		115.626	118.236
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.400	0.750	0.100	0.405		17.336	17.741



Yajz



Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone 1 to VI and Zone Salim Ali, Constructing, Preparing, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshurwadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport) Construction, Erection, Testing and Commissioning of Sewerage Collection System at Nakshurwadi, Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward

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Ambedkar Nagar Part-A,B,C,D,E and F - Mease. DWC Pipe

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	IL	EX.L	L	B	D		Page	Quantity	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.670		28.677	29.347
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			5.900			5.900		243.650	249.550
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.610			
	Deduction										
	pipe area	1		0.785	5.400	0.250	0.250	0.265			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.405			
								0.670			
	Net Qty = A - B							1.940		143.910	145.850
	ANF 4 to ANF 5										
	CH32.25	605.270	604.670	604.570				0.700			
	CH45.60	605.460	604.910	604.810				0.650			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.350	0.750	0.675	5.746		118.236	123.982
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.950	0.750	0.100	0.896		17.741	18.638
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.483		29.347	30.830
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			12.450			12.450		249.550	262.000
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.746			
	Deduction										
	pipe area	1		0.785	11.950	0.250	0.250	0.586			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.896			
								1.483			
	Net Qty = A - B							4.263		145.850	150.114
	ANF 5 to ANF 6										
	CH45.60	605.460	604.910	604.810				0.650			
	CH48.00	605.600	604.950	604.850				0.750			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.400	0.750	0.700	0.210		123.982	124.192
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.400	0.750	0.000	0.000		39.543	39.543



Jayp



Measurement Book

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, Zaita, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commissioning of Sewerage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zaita, Ward

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Ambedkar Nagar Part-A,B,C,D,E and F - Meas.Chamber

11th RA BILL MEASUREMENTS OF CHAMBERS AMBEDKAR NAGAR PART-A TO F

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 0.9 dia chamber up to 1.5 mt depth - 0.9+0.5+0.3+0.3=2m Bredth for chember up to 1.5m=2 X 2=4m										
Part-A	ANA 1										
	CH12.00	601.870	600.820	600.570			1.300				
	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	4.000	1.100	3.454		0.000	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.									3.454	
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628		0.000	
	Item No. : 11 Transportation of earth Transportation charges							1.689		0.000	
	Item No. 30 :- Refilling the excavated trenches ...									1.689	
	Total Excavation(A)=							4.082			
	Deduction										
	Brick work	1		0.785	1.200	1.200	1.050	1.187			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murrum bedding							0.000			
	Total (B)							1.689			
								Net Qty = A - B			
Part-B	ANB 1							2.393	0.000	2.393	
	CH10.00	603.150	601.900	601.650			1.500				
	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	4.000	0.500	1.570		3.454	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									5.024	
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.900	2.826		0.000	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.									2.826	
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		0.628	
	Item No. : 11 Transportation of earth Transportation charges							1.915		1.689	
	Item No. 30 :- Refilling the excavated trenches ...									3.605	
	Total Excavation(A)=							4.710			
	Deduction										
	Brick work	1		0.785	1.200	1.200	1.250	1.413			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murrum bedding							0.000			



JyP



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

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Ambedkar Nagar Part-A,B,C,D,E and F - Meas.Chamber

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
Total (B)		GL	IL	EX.L							
		Net Qty = A - B						1.915			
	ANB 2							2.795	2.393	5.187	
	CH36.40	603.730	602.530	602.280							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.						1.450				
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.525	1.649	5.024	6.672	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.925	2.905	2.826	5.731	
	Item No. : 11 Transportation of earth Transportation charges							1.859	3.605	5.464	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.553			
	Deduction										
	Brick work	1		0.785	1.200	1.200	1.200	1.356			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murrum bedding							0.000			
	Total (B)							1.859			
		Net Qty = A - B						2.694	5.187	7.881	
	ANB 3							2.694	5.187	7.881	
	CH44.10	603.970	603.020	602.770			1.200				
	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	4.000	0.600	1.884	6.672	8.556	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.600	1.884	5.731	7.615	
	Item No. : 11 Transportation of earth Transportation charges							1.576	5.464	7.040	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.768			
	Deduction										
	Brick work	1		0.785	1.200	1.200	0.950	1.074			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murrum bedding							0.000			
	Total (B)							1.576			
		Net Qty = A - B						2.192	7.881	10.073	
	ANB 2.1							2.192	7.881	10.073	
	CH9.10	603.480	602.600	602.350			1.130				
	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	4.000	0.600	1.884	8.556	10.440	



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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.

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Ambedkar Nagar Part-A,B,C,D,E and F - Meas.Chamber

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			0.785	4.000	0.500	1.570		11.006	12.576
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		1.570	1.884
	Item No. : 11 Transportation of earth Transportation charges							1.463		10.057	11.520
	Item No. 30 :- Refilling the excavated trenches ...							3.454			
	Total Excavation(A)=										
	Deduction										
	Brick work	1		0.785	1.200	1.200	0.850	0.961			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murram bedding							0.000			
	Total (B)							1.463			
					Net Qty = A - B			1.991		14.215	16.206
	ANB 2.4										
	CH34.00	603.650	602.850	602.600			1.050				
	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	4.000	0.500	1.570		13.266	14.836
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.450	1.413		12.576	13.989
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		1.884	2.198
	Item No. : 11 Transportation of earth Transportation charges							1.407		11.520	12.927
	Item No. 30 :- Refilling the excavated trenches ...							3.297			
	Total Excavation(A)=										
	Deduction										
	Brick work	1		0.785	1.200	1.200	0.800	0.904			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murram bedding							0.000			
	Total (B)							1.407			
					Net Qty = A - B			1.890		16.206	18.096
	Part-C										
	ANC 1						1.150				
	CH9.10	602.910	602.010	601.760							
	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	4.000	0.470	1.476		14.836	16.312
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.480	1.507		13.989	15.496



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AURANGABAD MUNICIPAL CORPORATION

(From No.52)

Measurement Book

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 Nakshrawadi (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. 08 and CIDCO (Airport). Boreholes, Junctions, Manholes, Joints and Testing vision manholes.

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Ambedkar Nagar Part-A,B,C,D,E and F - Meas.Chamber

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. : 11 Transportation of earth Transportation charges							1.407		18.949	20.356
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.297			
	Deduction										
	Brick work	1		0.785	1.200	1.200	0.800	0.904			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murum bedding							0.000			
	Total (B)							1.407			
								1.890		26.361	28.251
	ANC 6										
	CH49.70	603.340	602.490	602.240			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.500	1.570		22.357	23.927
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.400	1.256		20.912	22.168
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628		5.338	5.966
	Item No. : 11 Transportation of earth Transportation charges							1.463		20.356	21.819
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.454			
	Deduction										
	Brick work	1		0.785	1.200	1.200	0.850	0.961			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murum bedding							0.000			
	Total (B)							1.463			
								1.991		28.251	30.242
	ANC 7										
	CH61.00	603.400	602.550	602.300			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.400	1.256		23.927	25.183
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.500	1.570		22.168	23.738
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628		5.966	6.594
	Item No. : 11 Transportation of earth Transportation charges							1.463		21.819	23.282



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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.

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Ambedkar Nagar Part-A,B,C,D,E and F - Meas.Chamber

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)=						3.454				
	Deduction										
	Brick work	1		0.785	1.200	1.200	0.850	0.961			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murrum bedding							0.000			
	Total (B)						1.463				
							Net Qty = A - B	1.991	30.242	32.233	
	Part-D AND 1										
	CH14.50	604.910	604.010	603.760			1.150				
	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	4.000	1.150	3.611	25.183	28.794	
	Item No. : 11 Transportation of earth Transportation charges							1.520	23.282	24.802	
	Item No. 30 :- Refilling the excavated trenches ...							3.611			
	Total Excavation(A)=										
	Deduction										
	Brick work	1		0.785	1.200	1.200	0.900	1.017			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murrum bedding							0.000			
	Total (B)						1.520				
							Net Qty = A - B	2.091	32.233	34.324	
	AND 2										
	CH30.00	604.740	604.190	603.940			0.800				
	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	4.000	0.700	2.198	28.794	30.992	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	6.594	6.908	
	Item No. : 11 Transportation of earth Transportation charges							1.124	24.802	25.926	
	Item No. 30 :- Refilling the excavated trenches ...							2.512			
	Total Excavation(A)=										
	Deduction										
	Brick work	1		0.785	1.200	1.200	0.550	0.622			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murrum bedding							0.000			
	Total (B)						1.124				
							Net Qty = A - B	1.388	34.324	35.712	
	AND 3										
	CH39.50	604.990	604.390	604.140			0.850				



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

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Ambedkar Nagar Part-A,B,C,D,E and F - Meas.Chamber

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	Item No. : 11 Transportation of earth Transportation charges							1.859		28.853	30.712
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.553			
	Deduction										
	Brick work	1		0.785	1.200	1.200	1.200	1.356			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murum bedding							0.000			
	Total (B)							1.859			
		Net Qty = A - B								39.693	42.387
	ANE 3										
	CH37.70	605.400	604.500	604.250			1.150				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.050	3.297		41.511	44.808
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		7.850	8.164
	Item No. : 11 Transportation of earth Transportation charges							1.520		30.712	32.231
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.611			
	Deduction										
	Brick work	1		0.785	1.200	1.200	0.900	1.017			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murum bedding							0.000			
	Total (B)							1.520			
		Net Qty = A - B								42.387	44.479
	Part-F ANF 1										
	CH9.75	604.970	604.180	603.930			1.040				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.940	2.952		44.808	47.759
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		8.164	8.478
	Item No. : 11 Transportation of earth Transportation charges							1.395		32.231	33.627
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.266			
	Deduction										
	Brick work	1		0.785	1.200	1.200	0.790	0.893			
	soling							0.000			
	PCC	1		0.785	1.600	1.600	0.250	0.502			
	Murum bedding							0.000			



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