



AMBEDKAR NAGAR-2 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 Nakshtravadi (Kanchanyadi), Bangwadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commissioning of Sewage pumping stations at Bawewadi, 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 Nakshtravadi (Kanchanyadi) STP, and Ward No.98 to

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Ambedkar Nagar-2 (Galli no-13-250mm), Chamber Measurement

13th RA BILL MEASUREMENTS AMBEDKAR NAGAR-2 (GALLI NO-13)

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 (upto 1.5m depth)-0.9+0.50+0.3+0.3=2m Area for chamber upto 1.5m depth=2*2=4m										
	AMRO	Part-I									
	CH0.00	600.830	599.560	599.310			1.520				
	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	0.300	0.942		0.000	0.942
	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	1.100	3.454		0.000	3.454
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.020	0.063		0.000	0.063
	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		0.000	0.314
	Item No. : 11 Transportation of earth Transportation charges							1.938		0.000	1.938
	Item No. 30 :- Refilling the excavated trenches ...							4.773			
	Total Excavation(A)=										
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.270	1.44			
	soling							0.00			
	PCC	1.00		0.785	1.600	1.600	0.25	0.50			
	Murrum bedding							0.00			
	Total (B)							1.94			
								2.835		0.000	2.835
	AMR1										
	CH9.20	600.730	599.770	599.520			1.210				
	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	0.300	0.942		0.942	1.884
	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	0.810	2.543		3.454	5.997
	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		0.314	0.628
	Item No. : 11 Transportation of earth Transportation charges							1.588		1.938	3.526



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Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Venture)

Authority No. AMC/Ward B&C/UIDSSMT/2014/184 Date 01.07.2014

Date of Measurement	Particulars of Work	Details					Last Measurement		Total up to Date
		No.	L	B	D	Contents of Arrears	Page No.	Quantity	

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Ambedkar Nagar-2 (Galli no-13-250mm), Chamber Measurement

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)=						3.799				
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	0.960	1.09			
	soling							0.00			
	PCC	1.00		0.785	1.600	1.600	0.25	0.50			
	Murum bedding							0.00			
	Total (B)						1.59				
		Net Qty = A - B						2.212		2.835	5.047
	AMR2										
	CH17.10	600.580	599.770	599.520			1.060				
	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	0.300	0.942	1.884	2.826	
	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	0.660	2.072	5.997	8.070	
	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	0.628	0.942	
	Item No. : 11 Transportation of earth Transportation charges							1.418	3.526	4.944	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.328				
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	0.810	0.92			
	soling							0.00			
	PCC	1.00		0.785	1.600	1.600	0.25	0.50			
	Murum bedding							0.00			
	Total (B)						1.42				
		Net Qty = A - B						1.910		5.047	6.957



Yes



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Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Veneture)

Authority No. AMC/Ward B&C/UIDSSMT/2014/184 Date 01.07.2014

Date of Measurement	Particulars of Work	Details					Last Measurement		Total up to Date
		No.	L	B	D	Contains of Arrears	Page No.	Quantity	
1	2	3	4	5	6	7	8	9	10

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Ambedkar Nagar-2(Galli no-13-250mm)Chamber Detail

14th RA BILL CHAMBER DETAILS

AMBEDKAR NAGAR-2(GALLI NO-13)

SR NO	CHAINAGE	CHAMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr For per 30 cm	Total Rebate Qty for 30 cm
			No				
			GL	IL	DEPTH		
A	Extra Item No. :2 Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc, complete						
Part-I							
1	CH0.00	AMR0	600.830	599.560	1.270	1.5	-0.230
2	CH9.20	AMR1	600.730	599.770	0.960	1.5	-0.540
3	CH17.10	AMR2	600.580	599.770	0.810	1.5	-0.690
		Total					-1.460
							-4.87
							-4.867



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Authority No. AMC/Ward B&C/UIDSSMT/2014/184 **Date** 01.07.2014

Ambedkar Nagar-2 (Galli no-13-250mm), Quantity Abstract.

QUANTITY ABSTRACT AMBEDKAR NAGAR-2(GALLI NO-13)

SR NO	Discription	MB/PG	ITEM 1		ITEM 2		ITEM 4		ITEM 7	ITEM 11	ITEM 12		ITEM 30	ITEM 35	Extra Item 2		Extra Item 2.a
			0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	0-1.5			250mm	250mm			0-1.5 m	Rebate	
1	For Pipe		2.948	0.000	6.990	0.983	0.983	1.073	1.774	1.774	15.300	15.300	9.146	0.015	3.000		
2	For Manhole		2.826	0.000	8.070	0.063	0.942		4.944	4.944			6.957				
	Total		5.774	0.000	15.059	0.063	1.925	1.073	6.718	6.718	15.300	15.300	16.103	0.015	3.000		-4.867



Last Measurement		
Page No.	Quantity	Total up to Date
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11th RA BILL MEASUREMENTS DWC PIPE AMBEDKAR NAGAR NEAR PISADEVI ROAD

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	DWC - 250mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.5=0.750m										
	For Lift 1.5 to 3.00m- 0.250+0.5+0.4=1.150m										
	For Lift 3.0 to 4.5m- 0.250+0.5+0.4+0.4=1.550m										
	Old MH to AP 01										
	CH0.00	603.575	601.545	601.445			2.130	1.925			
	CH7.50	603.365	601.745	601.645			1.720				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.5	1.150	1.150	8.596	0.000	8.596	
	(b) For Lift 1.5m to 3.0m	1			6.5	0.750	0.425	2.072	0.000	2.072	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.5	1.150	0.150	1.121	0.000	1.121	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.5	1.150	0.200	1.495	0.000	1.495	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.8	0.750	0.100	0.510	0.000	0.510	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.844	0.000	0.844	
	Item No. 13 :- (c) Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			7.05			7.050	0.000	7.050	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							13.284			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	6.800	0.250	0.250	0.334			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.510			
								0.844			
	Net Qty = A - B							12.441	0.000	12.441	
	AP 01 to AP 02										
	CH7.50	603.365	601.745	601.645			1.720	1.600			
	CH22.70	603.335	601.955	601.855			1.480				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										



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Ambedkar Nagar Near Pisadevi Road - Pipe Measurement

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			13.2	1.150	1.150	17.457		8.596	26.053
	(b) For Lift 1.5m to 3.0m	1			13.2	0.750	0.100	0.990		2.072	3.062
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.2	1.150	0.150	2.277		1.121	3.398
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			13.2	1.150	0.200	3.036		1.495	4.531
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.8	0.750	0.100	1.035		0.510	1.545
	Item No. : 11 Transportation of earth Transportation charges							1.712		0.844	2.556
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			14.30			14.300		7.050	21.350
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							23.760			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	13.800	0.250	0.250	0.677			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.035			
								1.712			
								22.048		12.441	34.489
	AP 02 to AP 03										
	CH22.70	603.335	601.955	601.855			1.480				
	CH33.50	603.425	602.155	602.055			1.370	1.425			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.8	0.750	1.075	7.095		26.053	33.148
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.8	0.750	0.150	0.990		3.398	4.388
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.8	0.750	0.200	1.320		4.531	5.851
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.4	0.750	0.100	0.705		1.545	2.250
	Item No. : 11 Transportation of earth Transportation charges							1.166		2.556	3.722
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			9.90			9.900		21.350	31.250



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Ambedkar Nagar Near Pisadevi Road - Pipe Measurement

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=						9.405				
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	9.400	0.250	0.250	0.461			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.705			
								1.166			
								Net Qty = A - B			
							8.239		34.489	42.728	
	AP 03 to AP 04										
	CH33.50	603.425	602.155	602.055			1.370				
	CH50.30	603.635	602.525	602.425			1.210	1.290			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.8	0.750	0.940	10.434		33.148	43.582
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.8	0.750	0.150	1.665		4.388	6.053
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			14.8	0.750	0.200	2.220		5.851	8.071
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
		1			15.4	0.750	0.100	1.155		2.250	3.405
	Item No. : 11 Transportation of earth Transportation charges							1.911		3.722	5.632
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia										
		1			15.90			15.900		31.250	47.150
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							14.319			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	15.400	0.250	0.250	0.756			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.155			
								1.911			
								Net Qty = A - B			
								12.408	42.728	55.136	
	AP 04 to AP 05										
	CH50.30	603.635	602.525	602.425			1.210				
	CH66.80	603.795	602.715	602.615			1.180	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			14.5	0.750	0.845	9.189		43.582	52.772



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Ambedkar Nagar Near Pisadevi Road - Pipe Measurement

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			14.5	0.750	0.150	1.631		6.053	7.685
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			14.5	0.750	0.200	2.175		8.071	10.246
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			15.1	0.750	0.100	1.133		3.405	4.538
	Item No. : 11 Transportation of earth Transportation charges							1.873		5.632	7.506
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia Item No. 30 :- Refilling the excavated trenches ...	1			15.60			15.600		47.150	62.750
	Total Excavation=							12.996			
	Deduction of 250mm dia pipe										
	pipe area	1			0.785	15.100	0.250	0.250	0.741		
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.133			
								1.873			
								Net Qty = A - B		11.122	55.136
	AP 05 to AP 06 (Old)										66.258
	CH66.80	603.795	602.715	602.615				1.180			
	CH83.60	603.995	602.795	602.695				1.300	1.240		
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. (a) For Lift 0 to 1.5m (b) For Lift 1.5m to 3.0m	1			14.8	0.750	0.890	9.879		52.772	62.651
		1			14.8	0.750	0.000	0.000		3.062	3.062
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			14.8	0.750	0.150	1.665		7.685	9.350
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			14.8	0.750	0.200	2.220		10.246	12.466
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			15.4	0.750	0.100	1.155		4.538	5.693
	Item No. : 11 Transportation of earth Transportation charges							1.911		7.506	9.416
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia Item No. 30 :- Refilling the excavated trenches ...	1			15.90			15.900		62.750	78.650



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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.

Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Vencture)

Authority No. AMC/Ward B&C/UIDSSMT/2014/184 **Date** 01.07.2014

Date of Measurement	Particulars of Work	Details					Last Measurement		Total up to Date
		No.	L	B	D	Contents of Arrears	Page No.	Quantity	
1	2	3	4	5	6	7	8	9	10

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Ambedkar Nagar Near Pisadevi Road - Pipe Measurement

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Total Excavation=						13.764				
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	15.400	0.250	0.250	0.756			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.155			
								1.911			
		Net Qty = A - B							11.853	66.258	
									78.112		



Jy2



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. 08 and CIDCO (Airport) Providing, Laying, Jointing and testing rising main

Book No. : 128

Page No. :-

1 of 3

Ambedkar Nagar Near Pisadevi Road - Manhole Measurement

19th RA BILL MEASUREMENTS OF CHAMBERS AMBEDKAR NAGAR NEAR PISADEVI ROAD

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 Breadth for chamber up to 1.5m=2 X 2=4m										
	AP 01										
	CH7.50	603.365	601.745	601.495			1.870				
	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	0.000	3.611	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.370	1.162	0.000	1.162	
	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	0.150	0.471	0.000	0.471	
	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	0.000	0.628	
	Item No. : 11 Transportation of earth Transportation charges							2.189	0.000	2.189	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						5.872				
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.620	1.711			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							2.189			
	Net Qty = A - B							3.683	0.000	3.683	
	AP 02										
	CH22.70	603.335	601.955	601.705			1.630				
	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	3.611	7.222	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.130	0.408	1.162	1.570	
	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	0.150	0.471	0.471	0.942	
	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	0.628	1.256	
	Item No. : 11 Transportation of earth Transportation charges							1.935	2.189	4.124	
	Item No. 30 :- Refilling the excavated trenches ...										



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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 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

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Ambedkar Nagar Near Pisadevi Road - Manhole Measurement

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	Total Excavation(A)=										
	Deduction						5.118				
	Brick work	1		0.785	1.160	1.160	1.380	1.458			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.935			
		Net Qty = A - B						3.183		3.683	6.868
	AP 03										
	CH33.50	603.425	602.155	601.905			1.520				
	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			
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.020	0.063	7.222	10.833	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.								1.570	1.633	
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.942	1.413	
	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	1.256	1.884	
	Item No. : 11 Transportation of earth Transportation charges							1.819	4.124	5.943	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.773			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.270	1.341			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.819			
		Net Qty = A - B						2.954		6.866	9.820
	AP 04										
	CH50.30	603.635	602.525	602.275			1.360				
	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	1.010	3.171	10.833	14.004	
	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	0.150	0.471	1.413	1.884	
	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	1.884	2.512	
	Item No. : 11 Transportation of earth Transportation charges							1.650	5.943	7.593	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.270			



AURANGABAD MUNICIPAL CORPORATION

(From No.52)



Measurement Book

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

Name of Agency: M/s Khilari Infrastructure Pvt. Ltd. & GICLU (Joint Venture)

Authority No. AMC/Ward B&C/UIDSSN/02/04/184/Date: 01/07/2014

Date of Measurement	Details							Last Measurement		Total upto Date
	Particulars	Work	No.	L	B	D	Content of Arrears	Page No.	Quantity	

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Ambedkar Nagar Near Pisadevi Road - Manhole Measurement

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	IL	EX.L	L	B		D	Page	
	Deduction									
	Brick work	1		0.785	1.160	1.160	1.110	1.172		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murrum bedding							0.000		
	Total (B)							1.650		
					Net Qty = A - B					
	AP 05									
	CH66.80	603.795	602.715	602.465			1.330			
	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	0.980	3.077	14.004	17.082
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000	1.633	1.633
	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	0.150	0.471	1.884	2.355
	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	2.512	3.140
	Item No. : 11 Transportation of earth Transportation charges							1.618	7.593	9.212
	Item No. 30 :- Refilling the excavated trenches ...							4.176		
	Total Excavation(A)=									
	Deduction									
	Brick work	1		0.785	1.160	1.160	1.080	1.141		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murrum bedding							1.618		
	Total (B)							2.558	12.440	14.998
					Net Qty = A - B					



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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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Page No. :-

Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Venture)

Authority No. AMC/Ward B&C/UIDSSMT/2014/184 Date 01.07.2014

Date of Measurement	Particulars of Work	Details					Last Measurement		Total up to Date
		No.	L	B	D	Contents of Arrears	Page No.	Quantity	
1	2	3	4	5	6	7	8	9	10

1 of 1

Ambedkar Nagar Near Pisadevi Road - Manhole Details

17th RA BILL MEASUREMENTS CHEMBER DETAILS AMBEDKAR NAGAR NEAR PISADEVI ROAD

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr	Total Rebate Qty for 30 cm	
		No					
		GL	IL	DEPTH	For per 30 cm		
A	Extra Item No. 02 : Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	AMBEDKAR NAGAR NEAR PISADEVI ROAD						
1	AP 01	603.365	601.745	1.620	1.500	0.120	
2	AP 02	603.335	601.955	1.380	1.500	-0.120	
3	AP 03	603.425	602.155	1.270	1.500	-0.230	
4	AP 04	603.635	602.525	1.110	1.500	-0.390	
5	AP 05	603.795	602.715	1.080	1.500	-0.420	
TOTAL						-1.040	-3.467



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Measurement Book

Name of work: **Provision and (I) Underground Sewerage Collection system for Zone I to VI and Zone Sahur Ali, (II) Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Matshewadi (Kanchanwadi), Bangwad, Siddharth Garden, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commissioning of Sewage pumping stations at Bahewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No. 98 and CIDCO (Airport). Providing, Laying, joining and testing rising main GRP DI pipe line from Golwadi RPS to Matshewadi (Kanchanwadi) RFP and Ward No. 98 CID for Aurangabad City.**

Name of Agency: **M/s Khilari Infrastructure Pvt. Ltd. & GEOPH (Joint Venture)**

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Ambedkar Nagar Near Pisadevi Road - Quantity Abstract

QUANTITY ABSTRACT																				
AMBEDKAR NAGAR NEAR PISADEVI ROAD																				
Sr. No.	Discription	MB/PG	ITEM 1		ITEM 2		ITEM 4		ITEM 7		ITEM 11		ITEM 12		ITEM 13		ITEM 30		Extra Item 2.a	
			0-1.5	1.5-3.0	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	250mm	250mm	0-1.5 m	Rebate	ITEM 12	ITEM 13	ITEM 30	ITEM 2	ITEM 2.a	
1	For Pipe		62.651	3.062	9.350	12.466	5.693	9.416	78.650	78.650	78.112	5.000	78.112	78.650	78.650	14.998	5.000	5.000	0-1.5 m	-3.467
2	For Manhole		17.082	1.633	2.355	3.140	9.212	9.212	78.650	78.650	18.628	18.628	78.650	78.650	93.109	5.000	5.000	0-1.5 m	-3.467	
	Total		79.732	4.695	11.705	15.606	5.693	18.628	78.650	78.650	18.628	18.628	78.650	78.650	93.109	5.000	5.000	0-1.5 m	-3.467	



Last Measurement		
Page No.	Quantity	Total sqm
8	7	10



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 - Mease. DWC Pipe

19th RA BILL MEASUREMENTS PIPE 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							
	DWC PIPE - 250 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.5=0.75m										
	For Lift 1.5 to 3.00m- 0.250+0.5+0.4=1.15m										
	For Lift 3.0 to 4.5m- 0.250+0.5+0.4+0.4=1.55m										
Part-A	ANA 0 to ANA 1						1.130	1.140			
	CH0.00	601.750	600.720	600.620			1.130				
	CH12.00	601.870	600.820	600.720			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			10.300	0.750	0.940	7.261		0.000	7.261
	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		0.000	1.545
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
		1			10.600	0.750	0.100	0.795		0.000	0.795
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.315		0.000	1.315
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia										
	Item No. 30 :- Refilling the excavated trenches ...	1			11.100			11.100		0.000	11.100
	Total Excavation=							8.806			
	Deduction										
	pipe area	1		0.785	10.600	0.250	0.250	0.520			
	soling							0.000			
	PCC							0.795			
	Murrum bedding							1.315			
	Net Qty = A - B							7.491		0.000	7.491
	ANA 1 to ANA 2										
	CH12.00	601.870	600.820	600.720			1.150	1.160			
	CH24.40	602.020	600.950	600.850			1.170				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.700	0.750	0.960	7.704		7.261	14.965
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			10.700	0.750	0.200	1.605		1.545	3.150



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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, Gohwadi, 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
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.000	0.750	0.100	0.825		0.795	1.620
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.365		1.315	2.680
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			11.500			11.500		11.100	22.600
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=										
	Deduction							9.309			
	pipe area	1									
	soling			0.785	11.000	0.250	0.250	0.540			
	PCC							0.000			
	Murrum bedding							0.000			
								0.825			
								1.365			
	Net Qty = A - B							7.944		7.491	15.436
Part-B	ANB 0 to ANB 1										
	CH0.00	602.950	601.800	601.700							
	CH10.00	603.150	601.900	601.800				1.250			
								1.350			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.300	0.750	0.500	3.113		14.965	18.078
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.300	0.750	0.700	4.358		0.000	4.358
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.300	0.750	0.100	0.623		3.150	3.773
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.600	0.750	0.100	0.645		1.620	2.265
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.067		2.680	3.747
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			9.100			9.100		22.600	31.700
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							8.093			
	Deduction										
	pipe area	1									
	soling			0.785	8.600	0.250	0.250	0.422			
	PCC							0.000			
	Murrum bedding							0.000			
								0.645			
								1.067			
	Net Qty = A - B							7.026		15.436	22.461
	ANB 1 to ANB 2										
	CH10.00	603.150	601.900	601.800				1.350			



Jay



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.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							
	CH36.40	603.730	602.530	602.430			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			24.400	0.750	0.525	9.608		18.078	27.686
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			24.400	0.750	0.800	14.640		4.358	18.998
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			25.000	0.750	0.100	1.875		2.265	4.140
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.102		3.747	6.848
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			25.500			25.500		31.700	57.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							24.248			
	Deduction										
	pipe area	1		0.785	25.000	0.250	0.250	1.227			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.875			
								3.102			
								Net Qty = A - B		22.461	43.607
	ANB 2 to ANB 3										
	CH36.40	603.730	602.530	602.430			1.300	1.175			
	CH44.10	603.970	603.020	602.920			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			5.700	0.750	0.600	2.565		27.686	30.251
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.700	0.750	0.575	2.458		18.998	21.456
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.300	0.750	0.100	0.473		4.140	4.613
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.782		6.848	7.630
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			6.800			6.800		57.200	64.000
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.023			
	Deduction										
	pipe area	1		0.785	6.300	0.250	0.250	0.309			



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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 Commissioning of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward ...

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4 of 17 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	EXL								
	soling									0.000		
	PCC									0.000		
	Murrum bedding									0.473		
										0.782		
	Net Qty = A - B									4.242	43.607	47.849
	ANB 2 to ANB 2.1											
	CH0.00	603.730	602.580	602.480			1.250	1.115				
	CH9.10	603.480	602.600	602.500			0.980					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			7.400	0.750	0.600	3.330		30.251	33.581	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			7.400	0.750	0.415	2.303		21.456	23.759	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			7.400	0.750	0.100	0.555		3.773	4.328	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.700	0.750	0.100	0.578		4.613	5.190	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.955		7.630	8.585	
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.200			8.200		64.000	72.200	
	Item No. 30 :- Refilling the excavated trenches ...							6.188				
	Total Excavation=											
	Deduction											
	pipe area	1		0.785	7.700	0.250	0.250	0.378				
	soling							0.000				
	PCC							0.000				
	Murrum bedding							0.578				
								0.955				
	Net Qty = A - B									5.233	47.849	53.082
	ANB 2.1 to ANB 2.2											
	CH9.10	603.480	602.600	602.500			0.980	0.990				
	CH18.10	603.550	602.650	602.550			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			7.000	0.750	0.400	2.100		33.581	35.681	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			7.000	0.750	0.490	2.573		23.759	26.331	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			7.000	0.750	0.100	0.525		4.328	4.853	



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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

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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							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.600	0.750	0.100	0.570		5.190	5.760
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.943		8.585	9.528
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.100			8.100		72.200	80.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.198			
	Deduction										
	pipe area	1		0.785	7.600	0.250	0.250	0.373			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.570			
								0.943			
	Net Qty = A - B							4.255		53.082	57.336
	ANB 2.2 to ANB 2.3										
	CH18.10	603.550	602.650	602.550				1.000	0.975		
	CH27.50	603.570	602.720	602.620				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			7.400	0.750	0.500	2.775		35.681	38.456
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.400	0.750	0.375	2.081		26.331	28.413
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			7.400	0.750	0.100	0.555		4.853	5.408
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.000	0.750	0.100	0.600		5.760	6.360
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.993		9.528	10.521
	Item 13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.500			8.500		80.300	88.800
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.411			
	Deduction										
	pipe area	1		0.785	8.000	0.250	0.250	0.393			
	soling							0.000			
	PCC							0.600			
	Murum bedding							0.993			
	Net Qty = A - B							4.419		57.336	61.755
	ANB 2.3 to ANB 2.4										
	CH27.50	603.570	602.720	602.620				0.950			



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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

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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 Page	Last measurement Quantity	Total Up to Date Quantity
		GL	No		L	B	D				
		IL	EX.L								
	CH34.00	603.650	602.850	602.750			0.900				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.500	0.750	0.500	1.688		38.456	40.143
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.500	0.750	0.325	1.097		28.413	29.510
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.500	0.750	0.100	0.338		5.408	5.745
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.100	0.750	0.100	0.383		6.360	6.743
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.633		10.521	11.153
	Item 13 (c) :- Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			5.600			5.600		88.800	94.400
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.122			
	Deduction										
	pipe area	1		0.785	5.100	0.250	0.250	0.250			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.383			
								0.633			
								2.489		61.755	64.244
	Net Qty = A - B										
Part-C	ANC 0 to ANC 1										
	CH0.00	602.800	601.960	601.860			0.940				
	CH9.10	602.910	602.010	601.910			1.000	0.970			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.400	0.750	0.470	2.608		40.143	42.752
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.400	0.750	0.300	1.665		29.510	31.175
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			7.400	0.750	0.200	1.110		5.745	6.855
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.700	0.750	0.100	0.578		6.743	7.320
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.955		11.153	12.109



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