



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.

Book No. :- 112

Page No. :-

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

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Raigad Nagar 400mm 400mm

12th R A BILL MEASUREMENTS

Branch Sewer at Raighad Nagar

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	400mm Dia Branch at Raighad Nagar (Road Crossing)										
	Width of Trench - For Bottom Lift 0.00-1.50m- 0.4+0.15+0.15+0.5=1.2m										
	From Bottom Lift 1.50m-3.00m- 0.4+0.15+0.15+0.5+0.4=1.6m										
	From Bottom Lift 3.00m-4.50m- 0.4+0.15+0.15+0.5+0.4+0.4=2.0m										
	RN 1 to RN 2										
	CH0.00	595.340	592.230	592.030			3.310	2.635			
	CH13.60	594.050	592.290	592.090			1.960				
	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			10.940	1.600	1.300	22.755	0.000	22.755	
	(b) For Lift 1.5m to 3.0m	1			10.940	1.200	0.830	10.896	0.000	10.896	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.940	1.600	0.100	1.750	0.000	1.750	
	(b) For Lift 1.5m to 3.0m	1			10.940	1.200	0.305	4.004	0.000	4.004	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			10.940	1.600	0.100	1.750	0.000	1.750	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.940	1.200	0.200	2.626	0.000	2.626	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							5.223	0.000	5.223	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			12.500			12.500	0.000	12.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							41.156			
	Deduction										
	pipe area	1		0.785	10.940	0.550	0.550	2.598			
	soling							0.000			
	PCC							0.000			
	Murum bedding							2.626			
	Total = B							5.223			
								Net Qty = A - B			
	RN 2 to RN 3							35.933	0.000	35.933	
	CH13.60	594.050	592.290	592.090			1.960	1.985			
	CH24.70	594.160	592.350	592.150			2.010				
	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			8.440	1.600	1.300	17.555	22.755	40.310	
	(b) For Lift 1.5m to 3.0m	1			8.440	1.200	0.300	3.038	10.896	13.935	



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

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

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Raigad Nagar 400mm 400mm

Date	Particulars of work	DETAILS					Content of area	Last measurment		TOTAL TO DATE	
		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			8.440	1.600	0.100	1.350		1.750	3.101
	(b) For Lift 1.5m to 3.0m	1			8.440	1.200	0.185	1.874		4.004	5.878
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.440	1.600	0.100	1.350		1.750	3.101
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.440	1.200	0.200	2.026		2.626	4.651
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							4.030		5.223	9.253
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			10.000			10.000		12.500	22.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							25.168			
	Deduction										
	pipe area	1		0.785	8.440	0.550	0.550	2.004			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							2.026			
	Total = B							4.030			
								Net Qty = A - B		35.933	57.071



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Raigad Nagar 400mm 1.2 MH Exc.

14th RA Bill Measurement Chambers Raigad Nagar

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	400mm Dia Branch at Raigad Nagar (Road Crossing)										
	Excavation of Chamber - For 1.20 dia chamber (upto 2.0m depth)- 1.20+0.50+0.5+0.5=2.66m										
	Bredth for chamber upto 2m=2.66*2.66=7.075m										
	RN 1										
	CH0.00	595.340	592.230	591.980				3.360			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.300	7.22	0.00	7.22	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.830	4.61	0.00	4.61	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.100	0.56	0.00	0.56	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.670	3.72	0.00	3.72	
	(c) For Lift 3.0m to 4.5m	1			0.785	7.075	0.360	2.00	0.00	2.00	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.100	0.56	0.00	0.56	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							4.944	0.00	4.94	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							18.661			
	Deduction										
	Brick work	1			0.785	1.31	1.31	3.110	4.19		
	Brick work								0.00		
	PCC	1			0.785	1.96	1.96	0.250	0.75		
	Murrum bedding								0.00		
	Total (B)							4.94			
								Net Qty = A - B	13.72	0.00	
	RN 2									13.72	
	CH13.60	594.050	592.290	592.040				2.010			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.300	7.22	7.22	14.44	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.510	2.83	4.61	7.44	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.100	0.56	0.56	1.11	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.100	0.56	0.56	1.11	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.125	4.94	8.07	



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

Raigad Nagar 400mm 1.2 MH Exc.

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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. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						11.163				
	Deduction										
	Brick work	1		0.785	1.31	1.31	1.760	2.37			
	Brick work							0.00			
	PCC	1		0.785	1.96	1.96	0.250	0.75			
	Murrum bedding							3.12			
	Total (B)							8.04	13.72	21.76	
				Net Qty = A - B							
	RN 3										
	CH24.70	594.160	592.350	592.100			2.060				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.300	7.22	14.44	21.66	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.300	1.67	7.44	9.11	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.100	0.56	1.11	1.67	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.260	1.44	3.72	5.17	
	(c) For Lift 3.0m to 4.5m	1			0.785	7.075	0.000	0.00	2.00	2.00	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.100	0.56	1.11	1.67	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.192	8.07	11.26	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							11.441			
	Deduction										
	Brick work	1		0.785	1.31	1.31	1.810	2.44			
	Brick work							0.00			
	PCC	1		0.785	1.96	1.96	0.250	0.75			
	Murrum bedding							0.00			
	Total (B)							3.19			
				Net Qty = A - B				8.25	21.76	30.00	



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AURANGABAD MUNICIPAL CORPORATION.

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

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Raigad Nagar 400mm - Manhole Details

11th R A BILL MEASUREMENTS								
Branch Sewer at Raighad Nagar								
Item No. : 21 Providing and constructing on sewer BBM manhole 1.2 m dia at bottom and 0.5 m dia at top and up to a depth of 2.0 M								
B Raighad Nagar								
Sr.No.	Chainage	MH No	MTL	IL	Depth	Depth Difference than 2.0 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1	CH 0.00	RN 1	595.340	592.230	3.110	1.110	0.680	1.360
2	CH 13.60	RN 2	594.050	592.290	1.760	-0.240		
3	CH 24.70	RN 3	594.160	592.350	1.810	-0.190		
							Total	1.360



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AURANGABAD MUNICIPAL CORPORAT

(From No.52)

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

Raigad Nagar 400mm, Quantity Abstract

QUANTITY ABSTRACT

Branch Sewer at Raighad Nagar

SR NO	Discription	MB/PG	ITEM 1			ITEM 2			ITEM 4	ITEM 7	ITEM 11	ITEM 17	ITEM 21	ITEM 21.1		ITEM 30
			0-1.5	1.5-3.0	3.0-4.5	0-1.5	1.5-3.0	3.0-4.5						Rebate		
1	For Pipe		40.310	13.935		3.101	5.878		4.651	9.253	22.500					57.071
2	For Manhole		21.660	9.108		1.666	5.165	1.999	4.651	11.261		3.000		1.360		30.005
	Total		61.971	23.043		4.767	11.043	1.999	4.651	20.514	22.500	3.000		1.360		87.076

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Total up to Date

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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Safim Ah, Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshirawadi (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 Nakshirawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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

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Branch Sewer at roshan gate to VIP hall PVC-110mm

17th RA BILL MEASUREMENTS Branch Sewer of "C" at Roshan Gate to VIP Function Hall

Date	Particulars of work	DETAILS				Content of arrears	Last measurement		Total Upto Date Quantity		
		No			L		B	D		Page	Quantity
		GL	IL	EX.L							
	PVC PIPE - 110 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.110+0.5=0.610m										
	For Lift 1.5 to 3.00m- 0.110+0.5+0.4= 1.01m										
	For Lift 3.0 to 4.5m- 0.110+0.5+0.4+0.4=1.410m										
	From Manhole RG 8.15.13.2 at CH 30.90										
23/09/2016	CH0.00					0.800					
	CH2.50										
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.250	0.610	0.350	0.480	0.480		
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.250	0.610	0.300	0.412	0.412		
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.250	0.610	0.150	0.206	0.206		
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.250	0.610	0.100	0.137	0.137		
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.182	0.182		
	Extra Item 9.5 a) :-Lowering & Laying of PVC pipe of 110mm Dia	1			2.500			2.500	2.500		
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.098			
	pipe area	1.00		0.785	2.250	0.160	0.160	0.045			
	Murrum bedding							0.137			
								0.182			
								0.916	0.916		
	From Manhole RG 8.15.13.6 at CH 63.50										
24/09/2016	CH0.00							0.800			
	CH10.70										
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.450	0.610	0.250	1.594	2.074		
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.450	0.610	0.400	2.550	2.962		



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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

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Branch Sewer at roshan gate to VIP hall PVC-110mm

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. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			10.450	0.610	0.150	0.956	0.206	1.162	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.450	0.610	0.100	0.637	0.137	0.775	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.847	0.182	1.030	
	Extra Item 9.5 a) :- Lowering & Laying of PVC pipe of 110mm Dia	1			10.700			10.700	2.500	13.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.100			
	pipe area	1.00		0.785	10.450	0.160	0.160	0.210			
	Murrum bedding							0.637			
								0.847			
									0.916	5.168	
								4.252			
	From Manhole RG 8.15.13.7 at CH 64.90										
26/09/2016	CH0.00							0.800			
	CH3.80										
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.550	0.610	0.350	0.758	2.074	2.832	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.550	0.610	0.300	0.650	2.962	3.611	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.550	0.610	0.150	0.325	1.162	1.487	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.550	0.610	0.100	0.217	0.775	0.991	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.288	1.030	1.318	
	Extra Item 9.5 a) :- Lowering & Laying of PVC pipe of 110mm Dia	1			3.800			3.800	13.200	17.000	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.732			
	pipe area	1.00		0.785	3.550	0.160	0.160	0.071			
	Murrum bedding							0.217			
								0.288			
									5.168	6.612	
								1.445			



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(From No.52)

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

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Branch Sewer at roshan gate to VIP hall PVC-160mm

11th RA BILL MEASURMENTS Branch Sewer of "C" at Roshan Gate to VIP Function Hall

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PVC PIPE - 160 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.160+0.5=0.660m										
	For Lift 1.5 to 3.00m- 0.160+0.5+0.4= 1.06m										
	For Lift 3.0 to 4.5m- 0.160+0.5+0.4+0.4=1.460m										
	From Manhole RG 0.15.13.2 at CH 30.90										
23/09/2016	CH0.00						0.800				
	CH11.00										
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.750	0.660	0.350	2.483	2.832	5.315	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.750	0.660	0.300	2.129	3.611	5.740	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			10.750	0.660	0.150	1.064	1.487	2.551	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.750	0.660	0.100	0.710	0.991	1.701	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.926	1.318	2.243	
	Extra Item 9.5 b) :- Lowering & Laying of PVC pipe of 160mm Dia	1			11.000			11.000	0.000	11.000	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.676			
	pipe area	1.00		0.785	10.750	0.160	0.160	0.216			
	Murrum bedding							0.710			
								0.926			
								4.750	6.612	11.363	
	From Manhole RG 0.15.13.3 at CH 43.10										
24/09/2016	CH0.00						0.750				
	CH4.60										
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.350	0.660	0.300	0.861	5.315	6.176	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.350	0.660	0.300	0.861	5.740	6.601	



S. S. S. S.



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Book No. :- 121

Page No. :-

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 Venture)

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

Page 2 of 2

Branch Sewer at roshan gate to VIP hall PVC-160mm

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. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.				4.350	0.660	0.150	0.431		2.551	2.982
	(a) For Lift 0 to 1.5m	1									
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.350	0.660	0.100	0.287		1.701	1.988
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.375		2.243	2.618
	Extra Item 9.5 b) :-Lowering & Laying of PVC pipe of 160mm Dia	1			4.600			4.600		11.000	15.600
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.153			
	pipe area	1.00		0.785	4.350	0.160	0.160	0.087			
	Murrum bedding							0.287			
								0.375			
								1.779		11.363	13.141
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm Including all and as directed by Engineer-in-Charge				0.016			0.016		0.000	0.016



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Book No. :- 122
Page No. :-

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.

Page 1 of 8

Branch Sewer at roshan gate to VIP hall 400mm Dia

11th RA BILL MEASUREMENTS

Branch Sewer of "C" at Roshan Gate to VIP Function Hall

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE
		No	L	B	D	Page		Quantity		
		GL	IL	EXL						
	400mm Dia									
	Width of Trench -									
	For Bottom Lift 0.00-1.50m- 0.4+0.15+0.15+0.5=1.2m									
	From Bottom Lift 1.50m-3.00m- 0.4+0.15+0.15+0.5+0.4=1.6m									
	From Bottom Lift 3.00m-4.50m- 0.4+0.15+0.15+0.5+0.4+0.4=2.0m									
	From Bottom Lift 4.50m-6.00m- 0.4+0.15+0.15+0.5+0.4+0.4+0.4=2.4m									
	RG 8.15.06									
09/07/2016	CH259.05	593.500	588.255	588.055		5.445	5.530			
	CH274.95	593.850	588.435	588.235		5.615				
	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			13.950	2.400	0.700	23.436	6.176	29.612
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			13.950	2.400	0.700	23.436	6.601	30.037
	(b) For Lift 1.5m to 3.0m	1			13.950	2.000	0.100	2.790	0.000	2.790
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			13.950	2.400	0.100	3.348	2.982	6.330
	(b) For Lift 1.5m to 3.0m	1			13.950	2.000	0.700	19.530	0.000	19.530
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.									
	(b) For Lift 1.5m to 3.0m	1			13.950	2.000	0.700	19.530	0.000	19.530
	(c) For Lift 3.0m to 4.5m	1			13.950	1.600	1.500	33.480	0.000	33.480
	(d) For Lift 4.5m to 6.0m	1			13.950	1.200	1.030	17.242	0.000	17.242
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			14.450	1.200	0.200	3.468	1.988	5.456
	Item No. : 11 Transportation of earth Transportation charges including							6.781	2.618	9.398
	Item No.17 (a):- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			15.000			15.000	0.000	15.000
	Item No 30 :- Refilling the excavated trenches ...									
	Total Excavation= A							142.792		
	Deduction									
	pipe area	1		0.785	13.950	0.550	0.550	3.313		
	Murrum bedding							3.468		
	Total = B							6.781		
								Net Qty = A - B		
								136.012	13.141	149.153
19/07/2016	CH274.95	593.850	588.435	588.235		5.615	5.515			
	CH297.45	594.010	588.795	588.595		5.415				
	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			22.500	2.400	0.800	43.200	29.612	72.812
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									



Signature



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/PI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :- **123**
Page No. :-

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

Page 2 of 8

Branch Sewer at roshan gate to VIP hall 400mm Dia

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	(a) For Lift 0 to 1.5m	1			22.500	2.400	0.600	32.400		30.037	62.437
	(b) For Lift 1.5m to 3.0m	1			22.500	2.000	0.200	9.000		2.790	11.790
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			22.500	2.400	0.100	5.400		6.330	11.730
	(b) For Lift 1.5m to 3.0m	1			22.500	2.000	0.700	31.500		19.530	51.030
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(a) For Lift 1.5m to 3.0m	1			22.500	2.000	0.600	27.000		19.530	46.530
	(b) For Lift 3.0m to 4.5m	1			22.500	1.600	1.500	54.000		33.480	87.480
	(c) For Lift 4.5m to 6.0m	1			22.500	1.200	1.015	27.405		17.242	44.647
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			22.500	1.200	0.200	5.400		5.456	10.856
	Item No. : 11 Transportation of earth Transportation charges including							10.743		9.398	20.141
	Item No.17 (a) :- Lowering & Laying RCC NPS class pipe of 400mm Dia	1			22.500			22.500		15.000	37.500
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							229.905			
	Deduction										
	pipe area	1		0.785	22.500	0.550	0.550	5.343			
	Murum bedding							5.400			
								10.743			
	Total = B										
					Net Qty = A - B			219.162		149.153	368.315
30/07/2016	CH297.45	594.010	588.795	588.595			5.415	5.330			
	CH319.95	594.200	589.155	588.955			5.245				
	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			22.500	2.400	0.800	43.200		72.812	116.012
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			22.500	2.400	0.500	27.000		62.437	89.437
	(b) For Lift 1.5m to 3.0m	1			22.500	2.000	0.700	31.500		11.790	43.290
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			22.500	2.400	0.200	10.800		11.730	22.530
	(b) For Lift 1.5m to 3.0m	1			22.500	2.000	0.800	36.000		51.030	87.030
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			22.500	1.600	1.500	54.000		87.480	141.480
	(d) For Lift 4.5m to 6.0m	1			22.500	1.200	0.830	22.410		44.647	67.057
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			22.500	1.200	0.200	5.400		10.856	16.256
	Item No. : 11 Transportation of earth Transportation charges including							10.743		20.141	38.884
	Item No.17 (a) :- Lowering & Laying RCC NPS class pipe of 400mm Dia	1			22.500			22.500		37.500	60.000
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							224.910			



S. S. S. S.



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.

Book No. :- 124
Page No. :-

Name of Contractor: M/s. Khilari Infrastructures Pvt. Ltd. & CECODI (Joint Venture)

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Branch Sewer at roshan gate to VIP hall 400mm Dia

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No							Page	Quantity	
		GL	IL	EXL	L	B	D				
	Deduction										
	pipe area	1									
	Murum bedding			0.785	22.500	0.550	0.550	5.343			
	Total = B							5.400			
								10.743			
								214.167			
									368.315	582.482	
06/08/2016	CH319.95	594.200	589.155	588.955							
	CH340.60	594.355	589.475	589.275			5.245	5.163			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.						5.080			Connected to Chalnage 337.8 to manhole RG 8.15.8	
	(a) For Lift 0 to 1.5m	1									
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.				19.050	2.400	0.600	27.432	116.012	143.444	
	(a) For Lift 0 to 1.5m	1									
	(b) For Lift 1.5m to 3.0m	1			19.050	2.400	0.600	27.432	89.437	116.869	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.				19.050	2.000	0.900	34.290	43.290	77.580	
	(a) For Lift 0 to 1.5m	1									
	(b) For Lift 1.5m to 3.0m	1			19.050	2.400	0.300	13.716	22.530	36.246	
	(c) For Lift 3.0m to 4.5m	1			19.050	2.000	0.600	22.860	87.030	109.890	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.				19.050	1.600	0.700	21.336	0.000	21.336	
	(c) For Lift 3.0m to 4.5m	1									
	(d) For Lift 4.5m to 6.0m	1			19.050	1.600	0.800	24.384	141.480	165.864	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			19.050	1.200	0.663	15.156	67.057	82.213	
	Item No. 11 Transportation of earth Transportation charges including							9.216	30.884	40.100	
	Item No.17 (a):- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			20.000			20.000	60.000	80.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A										
	Deduction							186.606			
	pipe area	1									
	Murum bedding			0.785	19.050	0.550	0.550	4.524			
	Total = B							4.692			
								9.216			
									582.482	759.873	
	Started From Ch 484.00 from RA Bill 9							177.391			
05/07/2016	CH484.00	593.075	590.500	590.300							
	CH486.50	593.150	590.520	590.320			2.775	2.803			
	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									
	(b) For Lift 1.5m to 3.0m	1			2.500	1.600	0.900	3.600	143.444	147.044	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.				2.500	1.200	0.800	2.400	0.000	2.400	
	(a) For Lift 0 to 1.5m	1									
	(b) For Lift 1.5m to 3.0m	1			2.500	1.600	0.300	1.200	116.869	118.069	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.				2.500	1.200	0.503	1.509	77.580	79.089	
	(a) For Lift 0 to 1.5m	1									
					2.500	1.600	0.300	1.200	36.246	37.446	



S. S. S. S.



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.

Book No. :- **125**
Page No. :-

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.500	1.200	0.200	0.600	20.948	21.548	
	Item No. : 11 Transportation of earth Transportation charges including							1.194	40.100	41.294	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			2.500			2.500	80.000	82.500	
	Item No 30 :- Refilling the excavated trenches ...							9.909			
	Total Excavation= A										
	Deduction										
	pipe area	1		0.785	2.500	0.550	0.550	0.594			
	Murrum bedding							0.600			
	Total = B							1.194			
	Net Qty = A - B							8.715	759.873	768.588	
	RG B.15.12										
08/07/2016	CH486.50	593.150	590.520	590.320			2.830	2.750			
	CH512.15	593.040	590.570	590.370			2.670				
	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			24.050	1.600	0.900	34.632	147.044	181.676	
	(b) For Lift 1.5m to 3.0m	1			24.050	1.200	0.900	25.974	2.400	28.374	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			24.050	1.600	0.300	11.544	118.069	129.613	
	(b) For Lift 1.5m to 3.0m	1			24.050	1.200	0.350	10.101	79.089	89.190	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			24.050	1.600	0.300	11.544	37.446	48.990	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			24.550	1.200	0.200	5.892	21.548	27.440	
	Item No. : 11 Transportation of earth Transportation charges including							11.603	41.294	52.897	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			25.000			25.000	82.500	107.500	
	Item No 30 :- Refilling the excavated trenches ...							93.795			
	Total Excavation= A										
	Deduction										
	pipe area	1		0.785	24.050	0.550	0.550	5.711			
	Murrum bedding							5.892			
	Total = B							11.603			
	Net Qty = A - B							82.192	768.588	850.780	
	CH512.15	593.040	590.570	590.370			2.670	2.640			
13/07/2016	CH537.15	593.030	590.620	590.420			2.610				
	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			25.000	1.600	0.900	36.000	181.676	217.676	
	(b) For Lift 1.5m to 3.0m	1			25.000	1.200	0.800	24.000	28.374	52.374	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			25.000	1.600	0.300	12.000	129.613	141.613	



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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.

Book No. :-

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Page No. :-

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Branch Sewer at roshan gate to VIP hall 400mm Dia

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(b) For Lift 1.5m to 3.0m	1			25.000	1.200	0.340	10.200		89.190	99.390
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			25.000	1.600	0.300	12.000		48.990	60.990
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			25.000	1.200	0.200	6.000		27.440	33.440
	Item No. : 11 Transportation of earth Transportation charges including							11.937		52.897	64.833
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			25.000			25.000		107.500	132.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							94.200			
	Deduction										
	pipe area	1		0.785	25.000	0.550	0.550	5.937			
	Murum bedding							6.000			
	Total = B							11.937			
					Net Qty = A - B			82.263		850.780	933.044
15/07/2016	CH537.15	593.030	590.620	590.420				2.610			
	CH566.30	593.270	590.670	590.470				2.800			
	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			27.550	1.600	0.900	39.672		217.676	257.348
	(b) For Lift 1.5m to 3.0m	1			27.550	1.200	0.800	26.448		52.374	78.822
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			27.550	1.600	0.300	13.224		141.613	154.837
	(b) For Lift 1.5m to 3.0m	1			27.550	1.200	0.405	13.389		99.390	112.779
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			27.550	1.600	0.300	13.224		60.990	74.214
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			28.050	1.200	0.200	6.732		33.440	40.172
	Item No. : 11 Transportation of earth Transportation charges including							13.274		64.833	78.107
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			28.500			28.500		132.500	161.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							105.957			
	Deduction										
	pipe area	1		0.785	27.550	0.550	0.550	6.542			
	Murum bedding							6.732			
	Total = B							13.274			
					Net Qty = A - B			92.683		933.044	1025.727
20/07/2016	RG 8.15.13										
	CH566.30	593.270	590.670	590.470				2.800			
	CH603.10	593.670	590.990	590.790				2.880			
	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			33.600	1.600	1.000	53.760		257.348	311.108



Red Army



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. :-

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Branch Sewer at roshan gate to VIP hall 400mm Dia

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(b) For Lift 1.5m to 3.0m	1			33.600	1.200	0.800	32.256		78.822	111.078
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			33.600	1.600	0.300	16.128		154.837	170.965
	(b) For Lift 1.5m to 3.0m	1			33.600	1.200	0.540	21.773		112.779	134.552
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			33.600	1.600	0.200	10.752		74.214	84.966
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			34.600	1.200	0.200	8.304		40.172	48.476
	Item No. : 11 Transportation of earth Transportation charges including							16.283		78.107	94.390
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			35.500			35.500		161.000	196.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							134.669			
	Deduction										
	pipe area	1		0.785	33.600	0.550	0.550	7.979			
	Murrum bedding							8.304			
	Total = B							16.283			
					Net Qty = A - B			118.386		1025.727	1144.113
	RG 8.15.14										
26/07/2016	CH603.10	593.670	590.990	590.790			2.880	2.824			
	CH634.40	593.830	591.263	591.063			2.767				
	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			28.100	1.600	1.100	49.456		311.108	360.564
	(b) For Lift 1.5m to 3.0m	1			28.100	1.200	0.900	30.348		111.078	141.426
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			28.100	1.600	0.300	13.488		170.965	184.453
	(b) For Lift 1.5m to 3.0m	1			28.100	1.200	0.424	14.297		134.552	148.849
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			28.100	1.600	0.100	4.496		84.966	89.462
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			29.100	1.200	0.200	6.984		48.476	55.460
	Item No. : 11 Transportation of earth Transportation charges including							13.657		94.390	108.047
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			30.000			30.000		196.500	226.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							112.085			
	Deduction										
	pipe area	1		0.785	28.100	0.550	0.550	6.673			
	Murrum bedding							6.984			
	Total = B							13.657			
					Net Qty = A - B			98.429		1144.113	1242.541
	RG 8.15.15										
27/07/2016	CH634.40	593.830	591.263	591.063			2.767	2.846			
	CH648.20	594.100	591.376	591.176			2.924				



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Book No. :- 129

Page No. :-

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

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Branch Sewer at roshan gate to VIP hall 400mm Dia

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			49.000			49.000		239.000	288.000
	Item No 30 :- Refilling the excavated trenches ...							192.564			
	Total Excavation= A										
	Deduction										
	pipe area	1		0.785	47.100	0.550	0.550	11.184			
	Murum bedding							11.544			
								22.728			
	Total = B							169.835		1279.801	1449.637
	Item No. : 35 Shifting of Existing Utilities Length considered up to 400 mm including all and as directed by Engineer In-Charge				0.288			0.288		0.016	0.304



Signature