



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 CIDCO (Airport).

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RA 12-Rohidaspora-300mm RCC Manhole Excavation

Date	Particulars of work	DETAILS						Content of area	Last measurment		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			0.785	5.760	0.100	0.452		0.452	0.904
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.399		2.390	4.789
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							8.718			
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.678	1.897			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)							2.399			
		Net Qty = A - B						6.318		6.291	12.610
	RP 3	0.9m Dia									
	CH42.35	576.278	574.758	574.508			1.770				
	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	5.760	1.250	5.652		11.304	16.956
	(b) For Lift 1.5m to 3.0m	1			0.785	5.760	0.270	1.221		3.834	5.055
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.150	0.678		1.356	2.035
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.100	0.452		0.904	1.356
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.221		4.789	7.010
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							8.003			
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.520	1.718			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)							2.221			
		Net Qty = A - B						5.783		12.610	18.392
	RP 4	0.9m Dia									
	CH63.15	576.738	575.058	574.808			1.930				
	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	5.760	1.250	5.652		16.956	22.608
	(b) For Lift 1.5m to 3.0m	1			0.785	5.760	0.430	1.944		5.055	6.999
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.150	0.678		2.035	2.713



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RA 12 Rohidaspora-300mm RCC Manhole Excavation

Date	Particulars of work	DETAILS						Content of area	Last measurment		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			0.785	5.760	0.100	0.452		1.356	1.809
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.401		7.010	9.411
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							8.727			
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.680	1.899			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)							2.401			
		Net Qty = A - B						6.325		18.392	24.718
	RP 5	0.9m Dia									
	CH74.15	577.158	575.180	574.930			2.228				
	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	5.760	1.008	4.558		22.608	27.166
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.392	1.772		2.713	4.485
	(b) For Lift 1.5m to 3.0m	1			0.785	5.760	0.728	3.292		0.000	3.292
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.100	0.452		1.809	2.261
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.738		9.411	12.150
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							10.074			
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.978	2.236			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)							2.738			
		Net Qty = A - B						7.336		24.718	32.053
	RP 7	0.9m Dia									
	CH101.80	578.098	576.980	576.730			1.368				
	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	5.760	1.118	5.055		27.166	32.221
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.150	0.678		4.485	5.164



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RA 12 Rohidaspura-300mm RCC Manhole Excavation

Date	Particulars of work	DETAILS						Content of area	Last measurment		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			0.785	5.760	0.100	0.452		2.261	2.713
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.766		12.150	13.916
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							6.186			
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.118	1.264			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)							1.766			
		Net Qty = A - B						4.419		32.053	36.473
	RP 8	0.9m Dia									
	CH108.65	578.173	577.018	576.768			1.405				
	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	5.760	1.155	5.222		32.221	37.443
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.150	0.678		5.164	5.842
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.100	0.452		2.713	3.165
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.808		13.916	15.724
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							6.353			
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.155	1.306			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)							1.808			
		Net Qty = A - B						4.545		36.473	41.018
	RP 9	0.9m Dia									
	CH116.05	578.408	577.058	576.808			1.600				
	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	5.760	0.915	4.137		37.443	41.581
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.485	2.193		5.842	8.035
	(b) For Lift 1.5m to 3.0m	1			0.785	5.760	0.100	0.452		3.292	3.744



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

Authority No. AMC/Ward R&C/HDSSMT/2014/184 **Date** 01/07/2014

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RA 11 Rohidaspora-300mm RCC Manhole Excavation

Date	Particulars of work	DETAILS						Content of area	Last measurment		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			0.785	5.760	0.100	0.452		3.165	3.617
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.028		15.724	17.752
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							7.235			
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.350	1.526			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)							2.028			
		Net Qty = A - B						5.206		41.018	46.224
	RP 10	0.9m Dia									
	CH128.15	578.658	577.078	576.828			1.830				
	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	5.760	0.909	4.110		41.581	45.691
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.491	2.220		8.035	10.255
	(b) For Lift 1.5m to 3.0m	1			0.785	5.760	0.330	1.492		3.744	5.236
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.100	0.452		3.617	4.069
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.288		17.752	20.041
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							8.275			
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.580	1.786			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)							2.288			
		Net Qty = A - B						5.986		46.224	52.210
	RP 11	0.9m Dia									
	CH139.05	578.878	577.248	576.998			1.880				
	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	5.760	1.250	5.652		45.691	51.343
	(b) For Lift 1.5m to 3.0m	1			0.785	5.760	0.094	0.425		6.999	7.424



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

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

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RA 12-Rohidaspora-300mm RCC Manhole Excavation

Date	Particulars of work	DETAILS						Content of area	Last measurment		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			0.785	5.760	0.150	0.678		10.255	10.933
	(b) For Lift 1.5m to 3.0m	1			0.785	5.760	0.286	1.293		5.236	6.529
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.100	0.452		4.069	4.522
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.345		20.041	22.386
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							8.501			
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.630	1.843			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)							2.345			
		Net Qty = A - B						6.156		52.210	58.365
	RP 16	0.9m Dia									
	CH218.45	580.803	579.163	578.913			1.890				
	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	5.760	1.375	6.217		51.343	57.560
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.125	0.565		10.933	11.498
	(b) For Lift 1.5m to 3.0m	1			0.785	5.760	0.390	1.763		6.529	8.293
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.356		22.386	24.742
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							8.546			
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.640	1.854			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)							2.356			
		Net Qty = A - B						6.190		58.365	64.555
	RP 17	0.9m Dia									
	CH236.95	581.263	579.653	579.403			1.860				
	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	5.760	1.400	6.330		57.560	63.890
	(b) For Lift 1.5m to 3.0m	1			0.785	5.760	0.360	1.628		7.424	9.052



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RA 12 Rohidaspora-300mm RCC Manhole Excavation

Date	Particulars of work	DETAILS						Content of area	Last measurment		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			0.785	5.760	0.100	0.452		11.498	11.951
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.322		24.742	27.064
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							8.410			
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.610	1.820			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)							2.322			
		Net Qty = A - B						6.088		64.555	70.643
	RP 18	0.9m Dia									
	CH247.75	581.373	580.010	579.760			1.613				
	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	5.760	1.400	6.330		63.890	70.220
	(b) For Lift 1.5m to 3.0m	1			0.785	5.760	0.113	0.511		9.052	9.563
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.100	0.452		11.951	12.403
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.043		27.064	29.108
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							7.293			
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.363	1.541			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)							2.043			
		Net Qty = A - B						5.250		70.643	75.893
	RP 19	0.9m Dia									
	CH255.10	581.363	580.135	579.885			1.478				
	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	5.760	1.378	6.231		70.220	76.451
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.100	0.452		12.403	12.855
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.891		29.108	30.998



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Date	Particulars of work	DETAILS						Content of area	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						6.683				
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	1.228	1.388			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)						1.891				
		Net Qty = A - B						4.792		75.893	80.685
	RP 16.1	0.9m Dia									
	CH2.00	580.913	580.113	579.863			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	5.760	0.800	3.617		76.451	80.068
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.150	0.678		12.855	13.533
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	5.760	0.100	0.452		4.522	4.974
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.407		30.998	32.405
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.748				
	Deduction										
	Brick work	1.00		0.785	1.200	1.200	0.800	0.904			
	PCC	1.00		0.785	1.600	1.600	0.250	0.502			
	Total (B)						1.407				
		Net Qty = A - B						3.341		80.685	84.026
	RP 6	1.2m Dia									
	CH81.05	577.458	575.610	575.360			2.098				
	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	7.290	1.250	7.153		80.068	87.222
	(b) For Lift 1.5m to 3.0m	1			0.785	7.290	0.133	0.761		9.563	10.324
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.290	0.150	0.858		13.533	14.392
	(b) For Lift 1.5m to 3.0m	1			0.785	7.290	0.465	2.661		8.293	10.954
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.290	0.100	0.572		4.974	5.546
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.352		32.405	35.757



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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

Book No. :-

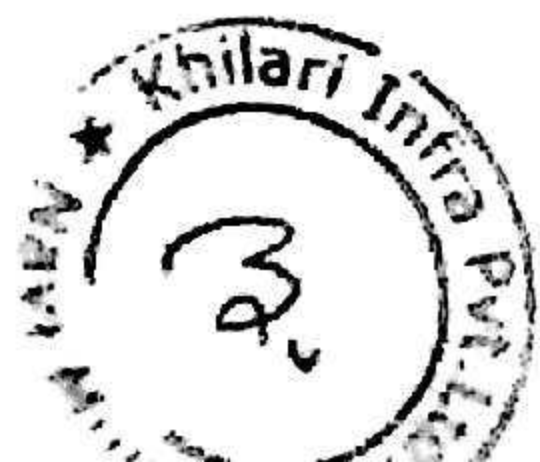
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RA 11 Rohidaspura-300mm RCC Manhole Excavation

Date	Particulars of work	DETAILS						Content of area	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							12.006			
	Deduction										
	Brick work	1.00		0.785	1.350	1.350	1.848	2.644			
	PCC	1.00		0.785	1.900	1.900	0.250	0.708			
	Total (B)							3.352			
		Net Qty = A - B						8.654		84.026	92.680
	RP 12	1.2m Dia									
	CH153.45	579.338	577.478	577.228			2.110				
	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	7.290	1.250	7.153		87.222	94.375
	(b) For Lift 1.5m to 3.0m	1			0.785	7.290	0.610	3.491		10.324	13.815
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.290	0.150	0.858		14.392	15.250
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.290	0.100	0.572		5.546	6.118
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.369		35.757	39.127
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							12.075			
	Deduction										
	Brick work	1.00		0.785	1.350	1.350	1.860	2.661			
	PCC	1.00		0.785	1.900	1.900	0.250	0.708			
	Total (B)							3.369			
		Net Qty = A - B						8.705		92.680	101.385
	RP 13	1.2m Dia									
	CH165.95	579.498	577.608	577.358			2.140				
	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	7.290	0.715	4.092		94.375	98.467
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.290	0.500	2.861		15.250	18.111
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.290	0.285	1.631		6.118	7.749
	(b) For Lift 1.5m to 3.0m	1			0.785	7.290	0.640	3.662		0.000	3.662
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.412		39.127	42.539



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Book No. :- 015

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

10 of 11

RA 11 Rohidaspora-300mm RCC Manhole Excavation

Date	Particulars of work	DETAILS					Content of area	Last measurment		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						12.246				
	Deduction										
	Brick work	1.00		0.785	1.350	1.350	1.890	2.704			
	PCC	1.00		0.785	1.900	1.900	0.250	0.708			
	Total (B)							3.412			
		Net Qty = A - B					8.834		101.385	110.220	
	RP 14	1.2m Dia									
	CH173.65	579.868	578.098	577.848			2.020				
	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	7.290	1.055	6.037		98.467 104.504	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.290	0.345	1.974		18.111 20.086	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.290	0.155	0.887		10.954 11.841	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.290	0.100	0.572		7.749 8.322	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.290	0.365	2.089		3.662 5.751	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.241		42.539 45.780	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						11.560				
	Deduction										
	Brick work	1.00		0.785	1.350	1.350	1.770	2.532			
	PCC	1.00		0.785	1.900	1.900	0.250	0.708			
	Total (B)							3.241			
		Net Qty = A - B					8.319		110.220	118.539	
	RP 15	1.2m Dia									
	CH192.95	580.238	578.368	578.118			2.120				
	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	7.290	0.605	3.462		104.504 107.966	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.290	0.000	0.000		13.815 13.815	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.290	0.650	3.720		20.086 23.805	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.290	0.000	0.000		11.841 11.841	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.290	0.245	1.402		8.322 9.724	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.290	0.620	3.548		5.751 9.299	



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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.

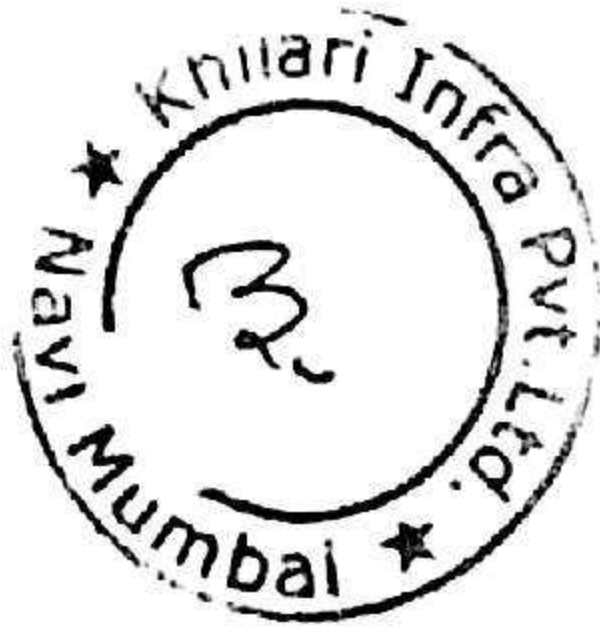
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Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Veneture)

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

11 of 11 RA 12 Rohidaspura-300mm RCC Manhole Excavation

Date	Particulars of work	DETAILS						Content of area	Last measurment		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							3.384		45.780	49.164
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							12.132			
	Deduction										
	Brick work	1.00		0.785	1.350	1.350	1.870	2.675			
	PCC	1.00		0.785	1.900	1.900	0.250	0.708			
	Total (B)							3.384			
		Net Qty = A - B						8.748		118.539	127.287



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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 Vencture)

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

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RA 12-Rohidaspura-300mm RCC CHEMBER

12th RA BILL MEASURMENTS Branch Sewer at "Rohidaspura "

Branch Sewer at "Rohidaspora"							
SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 2.0 mtr For per 50 cm		Total Rebate Qty for 50 cm
		No					
		GL	IL	DEPTH			
A	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 etc., complete						
1	RP 6	577.458	575.610	1.848	2	-0.152	-1.524 ✓
2	RP 12	579.338	577.478	1.860	2	-0.140	
3	RP 13	579.498	577.608	1.890	2	-0.110	
4	RP 14	579.868	578.098	1.770	2	-0.230	
5	RP 15	580.238	578.368	1.870	2	-0.130	
	Total					-0.762	-1.524

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr For per 30 cm		Total Rebate Qty for 30 cm
		No					
		GL	IL	DEPTH			
B	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						
1	RP 1	576.348	574.678	1.670	1.500	0.17	-1.667 ✓
2	RP 2	576.368	574.690	1.678	1.500	0.18	
3	RP 3	576.278	574.758	1.520	1.500	0.02	
4	RP 4	576.738	575.058	1.680	1.500	0.18	
5	RP 5	577.158	575.180	1.978	1.500	0.48	
6	RP 7	578.098	576.980	1.118	1.500	-0.38	
7	RP 8	578.173	577.018	1.155	1.500	-0.35	
8	RP 9	578.408	577.058	1.350	1.500	-0.15	
9	RP 10	578.658	577.078	1.580	1.500	0.08	
10	RP 11	578.878	577.248	1.630	1.500	0.13	
11	RP 16	580.803	579.163	1.640	1.500	0.14	
12	RP 17	581.263	579.653	1.610	1.500	0.11	
13	RP 18	581.373	580.010	1.363	1.500	-0.14	
14	RP 19	581.363	580.135	1.228	1.500	-0.27	
15	RP 16.1	580.913	580.113	0.800	1.500	-0.70	
						-0.50	-1.667



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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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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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RA 12 Rohidaspura-300mm RCC-UCR Work

12th R A BILL MEASUREMENTS

Branch Sewer at "Rohidaspura "

Sr.No.	Description	Unit	No.	Length	Width	Height	Quantity
A	Extra Item no.:-5. c) Construction of UCR Masonry work of nala wall	Cum	1	2.40	0.90	2.60	5.616



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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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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

RA 1 Rohidaspura-300mm RCC Quantity Node Abstract

11th R A BILL MEASURMENTS

Branch Sewer at "Rohidaspura "

SR NO	Description	MB/PG	ITEM 1		ITEM 2		ITEM 4		ITEM 7	ITEM 11	ITEM 12	
			0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0			200mm	315mm
1	For Pipe		298.648	22.686	74.810	17.684	30.592	9.708	40.147	63.345	2.750	2.350
2	For Manhole		107.966	13.815	23.805	11.841	9.724	9.299		49.164		
Total			406.614	36.501	98.616	29.525	40.315	19.007	40.147	112.509	2.750	2.350





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, Erection, 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 CRP 120 pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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020

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

RA 12/Rohidaspora-300mm RCC Quantity Note Abstract

12h R A BILL MEASUREMENTS

Branch Sewer at "Rohidaspora "

1th R A BILL MEASURMENTS													
Branch Sewer at "Rohidaspora "													
SR NO	Description	MB/PG	ITEM 13		ITEM 21 upto 2 m	ITEM 21.1 Rebate	ITEM 30	ITEM 35	EIRL 2 Full Rate	EIRL 2.a Rebate	EIRL 5 c		
			200mm	315mm									
1	For Pipe		2.750	2.350			390.78	0.266			5.616		
2	For Manhole				5.000	(1.524)	127.287		15.000	(1.667)			
Total			2.750	2.350	5.000	-1.524	518.070	0.266	15.000	-1.667	5.616		





Measurement Book

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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

11th R A BILL MEASURMENTS												
Branch Sewer at "Rohldaspura "												
SR NO	Description	MB/PG	EIRL 9.1		EIRL 9.2		EIRL 9.3	EIRL 9.4	EIRL 9.5		EIRL 9.6	
			150mm	200mm	150mm	200mm			110mm	160mm	110mm	160mm
			SW Pipe				RCC Pipes		PVC Pipes			
1	For Pipe		15.400	25.850	15.400	25.850	219.300	219.30	3.000	9.150	3.000	9.150
2	For Manhole											
Total			15.400	25.850	15.400	25.850	219.300	219.300	3.000	9.150	3.000	9.150