





# AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

## Measurement Book

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

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Eknaath Nagar (Onkareshwar Temple) - Meas. DWC 250

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.000	1.150	0.350	3.220		159.305	162.525
	(b) For Lift 1.5m to 3.0m	1			8.000	0.750	0.200	1.200		33.330	34.530
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.000	1.150	0.100	0.920		23.038	23.958
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
		1			8.600	0.750	0.100	0.645		25.755	26.400
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.067		51.227	52.294
	Item No.13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia										
		1			9.100			9.100		29.600	38.700
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>15.000</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	8.600	0.250	0.250	0.422			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.645			
								<b>1.067</b>			
								<b>Net Qty = A - B</b>		<b>481.461</b>	<b>495.394</b>
	EO 26 to EO 27										
	CH329.50	568.525	566.895	566.795				1.730			
	CH338.50	568.795	566.915	566.815				1.980	1.855		
	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	1.150	1.205	9.700		320.498	330.198
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.000	1.150	0.195	1.570		162.525	164.095
	(b) For Lift 1.5m to 3.0m	1			7.000	0.750	0.355	1.864		34.530	36.394
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			7.000	1.150	0.100	0.805		23.958	24.763
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
		1			7.600	0.750	0.100	0.570		26.400	26.970
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.943		52.294	53.237
	Item No.13 (c) :-Lowering & Laying of Polyethylene DWC pipe of 250mm Dia										
		1			8.100			8.100		38.700	46.800



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Eknath Nagar (Onkareshwar Temple) - Manhole Measurement

### 17th R A BILL MEASUREMENTS OF CHEMBERS OSMANPURA (EKNATH NAGAR-FULE 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							
	Excavation of Chamber - For 1.20 dia chamber (upto 2.0m depth)- 1.20+0.50+0.5+0.5=2.66m										
	Bredth for chember upto 2m=2.66*2.66=7.075m										
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth -0.9+0.5+0.3+0.3=2m										
	Bredth for chember up to 1.5m=2 X 2=4m										
	EO 01										
	CH16.35	563.825	562.255	562.005			1.820				
	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	1.500	4.710	0.000	4.710	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.320	1.005	0.000	1.005	
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.136	0.000	2.136	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							5.715			
	<b>Deduction</b>										
	Brick work	1.00			0.785	1.16	1.16	1.570	1.66		
	soling								0.00		
	PCC	1.00			0.785	1.56	1.56	0.25	0.48		
	Murrum bedding								0.00		
	<b>Total (B)</b>							2.14			
	<b>Net Qty = A - B</b>							3.58	0.000	3.579	
	EO 02										
	CH33.35	564.085	562.375	562.125			1.960				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.600	1.884	4.710	6.594	
	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	0.850	2.669	0.000	2.669	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.460	1.444	0.000	1.444	
	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	0.050	0.157	0.000	0.157	
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.284	2.136	4.420	
	Item No. 30 :- Refilling the excavated trenches ...										



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Eknath Nagar (Onkareshwar Temple) - Manhole 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							
	<b>Total Excavation(A)=</b>							<b>6.154</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	1.710	1.81			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							<b>2.28</b>			
		<b>Net Qty = A - B</b>						<b>3.87</b>	<b>3.579</b>	<b>7.449</b>	
	<b>EO 03</b>										
	<b>CH52.80</b>	564.535	562.875	562.625			1.910				
	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	7.075	0.300	1.666	6.594	8.260	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.150	6.387	2.669	9.056	
	(b) For Lift 1.5 to 3.0m	1			0.785	7.075	0.410	2.277	1.444	3.721	
	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	0.050	0.278	0.157	0.435	
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.990	4.420	7.410	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>10.608</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.31	1.31	1.660	2.24			
	soling							0.00			
	PCC	1.00		0.785	1.96	1.96	0.25	0.75			
	Murum bedding							0.00			
	<b>Total (B)</b>							<b>2.99</b>			
		<b>Net Qty = A - B</b>						<b>7.62</b>	<b>7.449</b>	<b>15.067</b>	
	<b>EO 04</b>										
	<b>CH80.35</b>	565.265	563.505	563.255			2.010				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.500	1.570	8.260	9.830	
	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	0.950	2.983	9.056	12.039	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.510	1.601	3.721	5.323	
	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	0.050	0.157	0.435	0.592	
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.337	7.410	9.747	



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Ekmath Nagar (Onkareshwar Temple) - Manhole 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. : 11 Transportation of earth Transportation charges including loading &							1.999		11.840	13.839
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>5.307</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	1.440	1.52			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							<b>2.00</b>			
				<b>Net Qty = A - B</b>				<b>3.31</b>		<b>22.537</b>	<b>25.845</b>
	EO 07										
	CH128.05	566.015	564.415	564.165				1.850			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.500	1.570		12.970	14.540
	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	0.950	2.983		18.005	20.988
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.350	1.099		6.799	7.898
	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	0.050	0.157		0.906	1.063
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.168		13.839	16.007
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>5.809</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	1.600	1.69			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							<b>2.17</b>			
				<b>Net Qty = A - B</b>				<b>3.64</b>		<b>25.845</b>	<b>29.487</b>
	EO 08										
	CH153.95	566.355	564.735	564.485				1.870			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.500	1.570		14.540	16.110
	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	0.950	2.983		20.988	23.971
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.370	1.162		7.898	9.059



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

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Eknath Nagar (Onkareshwar Temple) - Manhole 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			0.785	4.000	0.900	2.826		25.855	28.681
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.180	0.565		9.059	9.625
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.050	0.157		1.377	1.534
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.935		19.624	21.559
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							5.118			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	1.380	1.46			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							1.94			
	<b>Net Qty = A - B</b>							3.18		35.352	38.535
	<b>EO 08/01</b>										
	<b>CH7.40</b>	566.725	565.775	565.525			1.200				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.500	1.570		19.250	20.820
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000		1.005	1.005
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.650	2.041		28.681	30.722
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.000	0.000		9.625	9.625
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.050	0.157		1.534	1.691
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.481		21.559	23.040
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							3.768			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	0.950	1.00			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							1.48			
	<b>Net Qty = A - B</b>							2.29		38.535	40.822



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Manhole MB Eknath Nagar (Onkareshwar Temple)

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.500	1.584			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>2.062</b>			
		<b>Net Qty = A - B</b>						<b>3.433</b>	<b>44.151</b>	<b>47.584</b>	
	<b>EO 11</b>										
	CH210.70	566.175	564.625	564.375			1.800				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.425	4.475	29.377	33.851	
	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	0.075	0.236	31.585	31.821	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.300	0.942	11.038	11.980	
	Item No. : 11 Transportation of earth Transportation charges							2.115	27.111	29.226	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>5.652</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.550	1.637			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>2.115</b>			
		<b>Net Qty = A - B</b>						<b>3.537</b>	<b>47.584</b>	<b>51.121</b>	
	<b>EO 12</b>										
	CH213.70	567.015	565.445	565.195			1.820				
	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	1.450	4.553	33.851	38.404	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.320	1.005	1.005	2.010	
	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	0.050	0.157	1.691	1.848	
	Item No. : 11 Transportation of earth Transportation * charges							2.136	29.226	31.362	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>5.715</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.570	1.658			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			



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Manhole MB Eknath Nagar (Onkareshwar Temple)

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L'	B	D		Page	Quantity	
		GL	IL	EX.L							
	<b>Total (B)</b>						2.136				
		<b>Net Qty = A - B</b>						3.579	51.121	54.700	
	EO 13										
	CH220.00	566.985	565.555	565.305			1.680				
	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	1.450	4.553	38.404	42.957	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.180	0.565	2.010	2.575	
	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	0.050	0.157	1.848	2.005	
	Item No. : 11 Transportation of earth Transportation charges							1.988	31.362	33.350	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>						5.275				
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.430	1.51			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.476			
	Murrum bedding							0.000			
	<b>Total (B)</b>						1.988				
		<b>Net Qty = A - B</b>						3.287	54.700	57.987	
	EO 14										
	CH226.30	567.055	565.695	565.445			1.610				
	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	1.145	3.595	42.957	46.552	
	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	0.305	0.958	31.821	32.779	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.110	0.345	11.980	12.325	
	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	0.050	0.157	2.005	2.162	
	Item No. : 11 Transportation of earth Transportation charges							1.914	33.350	35.264	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>						5.055				
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.360	1.437			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>						1.914				



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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

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Manhole MB Eknath Nagar (Onkareshwar Temple)

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
		Net Qty = A - B					3.141		57.987	61.128
	EO 15									
	CH231.00	567.195	565.875	565.625			1.570			
	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	1.090	3.423	46.552	49.975
	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	0.360	1.130	32.779	33.909
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.070	0.220	12.325	12.545
	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	0.050	0.157	2.162	2.319
	Item No. : 11 Transportation of earth Transportation charges							1.872	35.264	37.136
	Item No. 30 :- Refilling excavated trenches ...									
	Total Excavation(A)=						4.930			
	Deduction									
	Brick work	1		0.785	1.160	1.160	1.320	1.394		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murrum bedding							0.000		
	Total (B)							1.872		
		Net Qty = A - B					3.058		61.128	64.186
	EO 16									
	CH240.70	567.315	565.895	565.645			1.670			
	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	1.120	3.517	49.975	53.492
	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	0.330	1.036	33.909	34.945
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.170	0.534	12.545	13.079
	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	0.050	0.157	2.319	2.476
	Item No. : 11 Transportation of earth Transportation charges							1.978	37.136	39.114
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						5.244			
	Deduction									
	Brick work	1		0.785	1.160	1.160	1.420	1.500		
	soling							0.000		



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# AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

## Measurement Book

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Manhole MB Eknath Nagar (Onkareshwar Temple)

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	<b>Total (B)</b>							<b>1.978</b>			
				<b>Net Qty = A - B</b>				<b>3.266</b>	<b>64.186</b>	<b>67.452</b>	
	<b>EO 17</b>										
	<b>CH245.70</b>	567.395	565.935	565.685			1.710				
	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	1.190	3.737	53.492	57.228	
	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	0.260	0.816	34.945	35.762	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.210	0.659	13.079	13.738	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.050	0.157	2.476	2.633	
	Item No. : 11 Transportation of earth Transportation charges							2.020	39.114	41.134	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>5.369</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.460	1.542			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	<b>Total (B)</b>							<b>2.020</b>			
				<b>Net Qty = A - B</b>				<b>3.350</b>	<b>67.452</b>	<b>70.802</b>	
	<b>EO 18</b>										
	<b>CH251.30</b>	567.445	566.035	565.785			1.660				
	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	1.185	3.721	57.228	60.949	
	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	0.265	0.832	35.762	36.594	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.160	0.502	13.738	14.240	
	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	0.050	0.157	2.633	2.790	
	Item No. : 11 Transportation of earth Transportation charges							1.967	41.134	43.101	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>5.212</b>			



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# AURANGABAD MUNICIPAL CORPORATION

(From No.52)

## Measurement Book

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Manhole MB Eknath Nagar (Onkareshwar Temple)

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	IL	EX.L	L	B		D	Page		Quantity
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.410	1.489			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	<b>Total (B)</b>							<b>1.967</b>			
		<b>Net Qty = A - B</b>							<b>3.245</b>	<b>70.802</b>	<b>74.047</b>
	<b>EO 19</b>										
	CH262.30	567.550	566.115	565.865			1.685				
	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	1.173	3.683	60.949	64.633	
	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	0.277	0.870	36.594	37.464	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.185	0.581	14.240	14.821	
	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	0.050	0.157	2.790	2.947	
	Item No. : 11 Transportation of earth Transportation charges							1.993	43.101	45.094	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>5.291</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.435	1.516			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	<b>Total (B)</b>							<b>1.993</b>			
		<b>Net Qty = A - B</b>							<b>3.298</b>	<b>74.047</b>	<b>77.345</b>
	<b>EO 20</b>										
	CH278.30	567.915	566.295	566.045			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	1.227	3.853	64.633	68.485	
	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	0.223	0.700	37.464	38.164	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.370	1.162	14.821	15.983	
	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	0.050	0.157	2.947	3.104	
	Item No. : 11 Transportation of earth Transportation charges							2.189	45.094	47.283	



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# AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

## Measurement Book

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Manhole MB Eknath Nagar (Onkareshwar Temple)

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 ...										
	<b>Total Excavation(A)=</b>						5.872				
	<b>Deduction</b>										
	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			
	Murum bedding							0.000			
	<b>Total (B)</b>							2.189			
		<b>Net Qty = A - B</b>						<b>3.683</b>	<b>77.345</b>	<b>81.028</b>	
	EO 21										
	CH286.30	568.075	566.475	566.225			1.850				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.310	4.113	68.485	72.599	
	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	0.140	0.440	38.164	38.603	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.350	1.099	15.983	17.082	
	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	0.050	0.157	3.104	3.261	
	Item No. : 11 Transportation of earth Transportation charges							2.168	47.283	49.451	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							5.809			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.600	1.690			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	<b>Total (B)</b>							2.168			
		<b>Net Qty = A - B</b>						<b>3.641</b>	<b>81.028</b>	<b>84.669</b>	
	EO 22										
	CH294.30	568.195	566.645	566.395			1.800				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.275	4.004	72.599	76.602	
	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	0.175	0.550	38.603	39.153	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.300	0.942	17.082	18,024	
	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	0.050	0.157	3.261	3.418	



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# AURANGABAD MUNICIPAL CORPORATION

(From No.52)

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Manhole MB Eknath Nagar (Onkareshwar Temple)

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges							2.115		49.451	51.565
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							5.652			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.550	1.637			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	<b>Total (B)</b>							2.115			
								<b>Net Qty = A - B</b>		84.669	88.206
	<b>EO 23</b>										
	CH302.60	568.275	566.645	566.395			1.880				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.290	4.051		76.602	80.653
	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	0.160	0.502		39.153	39.655
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.380	1.193		18.024	19.217
	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	0.050	0.157		3.418	3.575
	Item No. : 11 Transportation of earth Transportation charges							2.199		51.565	53.765
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							5.903			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.630	1.722			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	<b>Total (B)</b>							2.199			
								<b>Net Qty = A - B</b>		88.206	91.910
	<b>EO 24</b>										
	CH312.60	568.275	566.725	566.475			1.800				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.290	4.051		80.653	84.703
	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	0.160	0.502		39.655	40.158
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.300	0.942		19.217	20.159



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# AURANGABAD MUNICIPAL CORPORATION

(From No.52)

## Measurement Book

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Manhole MB Eknath Nagar (Onkareshwar Temple)

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.350	1.099		41.382	42.481
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.380	1.193		21.164	22.357
	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		4.046	4.360
	Item No. : 11 Transportation of earth Transportation charges							2.199		58.016	60.215
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>5.903</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.630	1.722			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>2.199</b>			
	<b>Net Qty = A - B</b>							<b>3.704</b>		<b>99.026</b>	<b>102.730</b>
	<b>EO 27</b>										
	<b>CH338.50</b>	568.795	566.915	566.665			2.130				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.205	3.784		91.172	94.956
	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	0.195	0.612		42.481	43.094
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.630	1.978		22.357	24.336
	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		4.360	4.674
	Item No. : 11 Transportation of earth Transportation charges							2.463		60.215	62.678
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>6.688</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.880	1.986			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>2.463</b>			
	<b>Net Qty = A - B</b>							<b>4.225</b>		<b>102.730</b>	<b>106.955</b>
	<b>EO 28</b>										
	<b>CH349.50</b>	569.215	567.185	566.935			2.280				



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

Book No. :- **023**  
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

Page 11

Manhole MB Eknath Nagar (Onkareshwar Temple)

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.400	4.396	94.956	99.352	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.005	0.016	2.575	2.591	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.000	0.000	43.094	43.094	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.775	2.434	24.336	26.769	
	<b>Item No. 4 :-</b> 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	4.674	4.988	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							2.622	62.678	65.300	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>						7.159				
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	2.030	2.144			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>						2.622				
	<b>Net Qty = A - B</b>						4.537	106.955	111.492		



*Arjun*  
*Secy*



# AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

## Measurement Book

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Ekmath Nagar (Onkareshwar Temple) - Manhole Details

### 12th RA BILL MEASUREMENTS CHEMBER DETAILS OSMANPURA (EKNATH NAGAR-FULE NAGAR)

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr For per 30 cm	Total Rebate Qty for 30 cm
		No				
		CTL	IL	DEPTH		
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						
<b>A OSMANPURA (EKNATH NAGAR-FULE NAGAR)</b>						
1	EO 01	563.825	562.255	1.570	1.500	0.07
2	EO 02	564.085	562.375	1.710	1.500	0.21
3	EO 04	565.265	563.505	1.760	1.500	0.26
4	EO 05	565.565	564.035	1.530	1.500	0.03
5	EO 06	565.615	564.175	1.440	1.500	-0.06
6	EO 07	566.015	564.415	1.600	1.500	0.10
7	EO 08	566.355	564.735	1.620	1.500	0.12
8	EO 05/01	565.595	564.695	0.900	1.500	-0.60
9	EO 07/01	566.335	564.955	1.380	1.500	-0.12
10	EO 08/01	566.725	565.775	0.950	1.500	-0.55
11	EO 9	565.925	564.475	1.450	1.500	-0.05
12	EO 10	566.025	564.525	1.500	1.500	0.00
13	EO 11	566.175	564.625	1.550	1.500	0.05
14	EO 12	567.015	565.445	1.570	1.500	0.07
15	EO 13	566.985	565.555	1.430	1.500	-0.07
16	EO 14	567.055	565.695	1.360	1.500	-0.14
17	EO 15	567.195	565.875	1.320	1.500	-0.18
18	EO 16	567.315	565.895	1.420	1.500	-0.08
19	EO 17	567.395	565.935	1.460	1.500	-0.04
20	EO 18	567.445	566.035	1.410	1.500	-0.09
21	EO 19	567.550	566.115	1.435	1.500	-0.07
22	EO 20	567.915	566.295	1.620	1.500	0.12
23	EO 21	568.075	566.475	1.600	1.500	0.10
24	EO 22	568.195	566.645	1.550	1.500	0.05
25	EO 23	568.275	566.645	1.630	1.500	0.13
26	EO 24	568.275	566.725	1.550	1.500	0.05
27	EO 25	568.365	566.795	1.570	1.500	0.07
28	EO 26	568.525	566.895	1.630	1.500	0.13
29	EO 27	568.795	566.915	1.880	1.500	0.38
30	EO 28	569.215	567.185	2.030	1.500	0.53
						0.43
<b>TOTAL</b>						<b>1.42</b>

1.42

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 2.0 mtr For per 50 cm	Total Rebate Qty for 50 cm
		No				
		CTL	IL	DEPTH		
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						
<b>B OSMANPURA (EKNATH NAGAR-FULE NAGAR)</b>						
1	EO 03	564.535	562.875	1.660	2.000	-0.34
<b>TOTAL</b>						<b>-0.68</b>



*Signature*  
Sec-Eng

# 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, joining and testing rising main

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Eknath Nagar (Onkareshwar Temple) - Quantity Abstract

**12th RA QUANTITY ABSTRACT**

OSMANPURA (EKNATH NAGAR-FULE NAGAR)

1 of 1

SR NO	Description	ITEM 1		ITEM 2		ITEM 4		ITEM 7	ITEM 11	ITEM 12	ITEM 13	ITEM 21	ITEM 21.1	ITEM 30	ITEM 35	Extra Item 2	Extra Item 2.a	Extra Item 9.1	Extra Item 9.2	Extra Item 9.3	Extra Item 9.4
		0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0	27.690	54.428	250mm	315mm	250mm	315mm	0-2 m	Rebate	0-1.5 m	Rebate	300mm	300mm	300mm	300mm
1	For Pipe	344.688	6.212	164.095	40.106	25.798	6.379	27.690	54.428	56.900	91.420	56.900	91.420	526.470	0.345	30.000	1.417	125.45	125.45	70.00	70.00
2	For Manhole	99.352	2.591	43.094	26.769	4.988	0.000	65.300	65.300	56.900	91.420	1.000	-0.680	111.492		30.800	1.417	125.45	125.45	70.00	70.00
<b>Total</b>		<b>444.040</b>	<b>8.802</b>	<b>207.189</b>	<b>66.875</b>	<b>30.785</b>	<b>6.379</b>	<b>27.690</b>	<b>119.728</b>	<b>56.900</b>	<b>91.420</b>	<b>1.000</b>	<b>-0.680</b>	<b>637.963</b>	<b>0.345</b>	<b>30.800</b>	<b>1.417</b>	<b>125.45</b>	<b>125.45</b>	<b>70.00</b>	<b>70.00</b>

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# AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

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Uttam Nagar Meas. SW Pipe

### 11th R A BILL MEASUREMENTS SW PIPE UTTAM 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							
	<b>SW PIPE - 250 mm Dia</b>										
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.02+0.02+0.5=0.790										
	For Lift 1.5 to 3.00m- 0.250+0.02+0.02+0.5+0.4= 1.190m										
	For Lift 3.0 to 4.5m- 0.250+0.5+0.02+0.02+0.4+0. 4=1.590m										
	<b>UN5 TO UN6</b>	From Uttam Galli No. 04									
	CH47.00	580.540	579.300	579.200			1.340	1.320			
	CH50.00	580.590	579.390	579.290			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			1.300	0.790	1.320	1.356	0.000	1.356	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.600	0.790	0.100	0.126	0.000	0.126	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.218	0.000	0.218	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			2.100			2.100	0.000	2.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>1.356</b>			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	1.600	0.270	0.270	0.092			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.126			
								0.218			
								<b>1.138</b>	0.000	<b>1.138</b>	
	<b>UN6 TO UN7</b>										
	CH50.00	580.590	579.390	579.290			1.300	1.300			
	CH57.60	580.640	579.440	579.340			1.300				
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			5.600	0.790	1.300	5.751	1.356	7.107	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.200	0.790	0.100	0.490	0.126	0.616	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.845	0.218	1.063	



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(From No.52)

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Book No. :-

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Page No. :-

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

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

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Uttam Nagar Meas. SW 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							
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			6.700			6.700		2.100	8.800
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							5.751			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	6.200	0.270	0.270	0.355			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.490			
								0.845			
		<b>Net Qty = A - B</b>							4.907	1.138	6.044
	<b>UN6 TO UN6.1</b>										
	CH0.00	580.590	579.790	579.690				0.900			
	CH3.00	580.640	579.980	579.880				0.760			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			1.000	0.790	0.830	0.656		7.107	7.763
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.600	0.790	0.100	0.126		0.616	0.743
	Item No. : 11 Transportation of earth Transportation							0.218		1.063	1.281
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			2.100			2.100		8.800	10.900
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							0.656			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	1.600	0.270	0.270	0.092			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.126			
								0.218			
		<b>Net Qty = A - B</b>							0.438	6.044	6.482
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.010						0.010



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# AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

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Uttam Nagar Chamber Excavtion

### 12th R A BILL MEASUREMENTS OF CHAMBERS UTTAM NAGAR

Date	Particulars of work	DETAILS						Content of arrears	Last measurmen		Total Upto Date Quantity
		No			L	B	D		Page	Qty.	
		GL	IL	EX.L							
	Excavation of Chamber - For 0.9mX0.6m Size chamber (upto 1.5m depth)- - 0.9+0.5+0.3+0.3=2m										
	Bredth for chamber upto 1.5m= - 0.6+0.5+0.3+0.3=1.7m										
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth -0.9+0.5+0.3+0.3=2m										
	Area for chamber up to 1.5m=2 X 2=4m										
	UN6	MH 0.9mX0.6m									
	CH50.00	580.590	579.390	579.140			1.450				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	1.450	4.930	0.000	4.930	
	Item No. : 11 Transportation of earth Transportation charges							2.368	0.000	2.368	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.930			
	Deduction										
	Brick work	1		1.000	1.400	1.100	1.200	1.848			
	soling							0.000			
	PCC	1		1.000	1.600	1.300	0.250	0.520			
	Murrum bedding							0.000			
	Total (B)							2.368			
				Net Qty = A - B				2.562	0.000	2.562	
	UN7	MH 0.9m Dia									
	CH57.60	580.640	579.440	579.190			1.450				
	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	1.450	4.553	4.930	9.483	
	Item No. : 11 Transportation of earth Transportation charges							1.745	2.368	4.113	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.553			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.200	1.268			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			



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