

From MB 4600

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Pipe lying MB Sai Varandhavan Colony-03

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	CH73.80	548.880	548.240	548.140			0.740				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.200	0.700	0.490	5.214		98.487 103.701	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.200	0.700	0.150	1.596		19.478 21.074	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			15.200	0.700	0.050	0.532		6.493 7.025	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
		1			15.800	0.700	0.100	1.106		14.875 15.981	
	Item No. : 11 Transportation of earth Transportation charges							1.602		21.548 23.150	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia										
		1			16.300			16.300		221.500 237.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							7.342			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	15.800	0.200	0.200	0.496			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.106			
								1.602			
								5.739	102.910	108.649	
	SVC 11/2 TO SVC 11/2/1										
	CH0.00	548.750	548.210	548.110			0.640	0.630			
	CH3.30	548.850	548.330	548.230			0.620				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.600	0.700	0.430	0.783		103.701 104.483	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.600	0.700	0.150	0.273		21.074 21.347	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.600	0.700	0.050	0.091		7.025 7.116	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
		1			2.900	0.700	0.100	0.203		15.981 16.184	
	Item No. : 11 Transportation of earth Transportation charges							0.294		23.150 23.444	



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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. 13 :- (b) Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			3.150			3.150		237.800	240.950 ✓
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>1.147</b>			
	<b>Deduction of 200mm dia pipe</b>										
	pipe area	1.000		0.785	2.900	0.200	0.200	0.091			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.203			
								<b>0.294</b>			
								<b>Net Qty = A - B</b>	<b>0.853</b>	<b>108.649</b>	<b>109.502</b> ✓
	SVC 11/2 TO SVC 11/2/2										
	CH0.00	548.750	548.210	548.110			0.640	0.630			
	CH3.30	548.850	548.330	548.230			0.620				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.600	0.700	0.430	0.783		104.483	105.266 ✓
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.600	0.700	0.150	0.273		21.347	21.620 ✓
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.600	0.700	0.050	0.091		7.116	7.207 ✓
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.900	0.700	0.100	0.203		16.184	16.387 ✓
	Item No. : 11 Transportation of earth Transportation charges							0.294		23.444	23.738 ✓
	Item No. 13 :- (b) Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			3.150			3.150		240.950	244.100 ✓
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>1.147</b>			
	<b>Deduction of 200mm dia pipe</b>										
	pipe area	1.000		0.785	2.900	0.200	0.200	0.091			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.203			
								<b>0.294</b>			
								<b>Net Qty = A - B</b>	<b>0.853</b>	<b>109.502</b>	<b>110.354</b> ✓
	SVC 11/3 TO SVC 11/3/1										
	CH0.00	548.880	548.240	548.140			0.740	0.730			
	CH3.60	548.980	548.360	548.260			0.720				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.700	0.530	1.076		105.266	106.342 ✓



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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. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			2.900	0.700	0.150	0.305		21.620	21.924
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			2.900	0.700	0.050	0.102		7.207	7.308
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.200	0.700	0.100	0.224		16.387	16.611
	<b>Item No. : 11</b> Transportation of earth Transportation charges							0.324		23.738	24.062
	<b>Item No. 13 :-</b> (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			3.450			3.450		244.100	247.550
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							1.482			
	<b>Deduction of 200mm dia pipe</b>										
	pipe area	1.000		0.785	3.200	0.200	0.200	0.100			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.224			
								0.324			
								<b>Net Qty = A - B</b>		110.354	111.512
	<b>SVC 14 TO SVC 14/1</b>							1.157			
	<b>CH0.00</b>	549.080	548.330	548.230				0.850			
	<b>CH4.00</b>	549.080	548.330	548.230				0.850	0.850		
	<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			3.300	0.700	0.650	1.502		106.342	107.843
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			3.300	0.700	0.150	0.347		21.924	22.271
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			3.300	0.700	0.050	0.116		7.308	7.424
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.600	0.700	0.100	0.252		16.611	16.863
	<b>Item No. : 11</b> Transportation of earth Transportation charges							0.365		24.062	24.427
	<b>Item No. 13 :-</b> (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			3.850			3.850		247.550	251.400
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							1.964			
	<b>Deduction of 200mm dia pipe</b>										



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and Zope, 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

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Pipe lying MB Sai Varandhavan Colony-03

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EX.L							
	pipe area	1.000		0.785	3.600	0.200	0.200		0.113		
	soling								0.000		
	PCC								0.000		
	Murum bedding								0.252		
									0.365		
		Net Qty = A - B								1.598	111.512
	SVC 14 TO SVC 14/2										
	CH0.00	549.080	548.330	548.230			0.850		0.850		
	CH6.00	549.080	548.330	548.230			0.850				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.300	0.700	0.650		2.412	107.843	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.300	0.700	0.150		0.557	22.271	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			5.300	0.700	0.050		0.186	7.424	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.600	0.700	0.100		0.392	16.863	
	Item No. : 11 Transportation of earth Transportation charges								0.568	24.427	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			5.850				5.850	251.400	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=								3.154		
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	5.600	0.200	0.200		0.176		
	soling								0.000		
	PCC								0.000		
	Murum bedding								0.392		
									0.568		
		Net Qty = A - B								2.586	113.110
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.250				0.25		
										0.25	



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**9th R A BILL MEASUREMENTS OF CHEMBERS SAI VRANDHAVAN COLONY-03**

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth -0.9+0.5+0.3+0.3=2m										
	Area for chamber up to 1.5m=2 X 2=4m										
	<b>SVC 01</b>										
	<b>CH0.00</b>	547.775	547.115	546.865			0.910				
	<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	0.710	2.229	0.000	2.229	
	<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	0.150	0.471	0.000	0.471	
	<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	0.000	0.157	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.175	0.000	1.175	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							2.857			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.660	0.697			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							1.175			
								<b>Net Qty = A - B</b>	0.000	1.683	
	<b>SVC 02</b>										
	<b>CH20.60</b>	548.025	547.315	547.065			0.960				
	<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	0.760	2.386	2.229	4.616	
	<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	0.150	0.471	0.471	0.942	
	<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	0.157	0.314	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.228	1.175	2.402	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							3.014			



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Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.710	0.750			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.228			
		Net Qty = A - B							1.787	1.683	3.469
	SVC 03										
	CH34.45	548.135	547.355	547.105			1.030				
	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	0.830	2.606	4.616	7.222	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.942	1.413	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.050	0.157	0.314	0.471	
	Item No. : 11 Transportation of earth Transportation charges							1.302	2.402	3.704	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.234			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.780	0.824			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.302			
		Net Qty = A - B							1.933	3.469	5.402
	SVC 04										
	CH48.70	548.125	547.435	547.185			0.940				
	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	0.740	2.324	7.222	9.546	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	1.413	1.884	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.050	0.157	0.471	0.628	
	Item No. : 11 Transportation of earth Transportation charges							1.206	3.704	4.910	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.952			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.690	0.729			



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Manhole MB Sai Varandhavan Colony-03

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	soling										
	PCC	1		0.785	1.560	1.560	0.250	0.000			
	Murrum bedding							0.478			
	<b>Total (B)</b>							0.000			
								<b>1.206</b>			
	<b>SVC 05</b>							<b>1.745</b>	<b>5.402</b>	<b>7.147</b>	
	<b>CH62.90</b>	548.170	547.480	547.230			0.940				
	<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	0.740	2.324	9.546	11.869	
	<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	0.150	0.471	1.884	2.355	
	<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	0.628	0.785	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.206	4.910	6.117	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>2.952</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.690	0.729			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							0.000			
								<b>1.206</b>			
	<b>SVC 06</b>							<b>1.745</b>	<b>7.147</b>	<b>8.893</b>	
	<b>CH74.75</b>	548.460	547.650	547.400			1.060				
	<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	0.860	2.700	11.869	14.570	
	<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	0.150	0.471	2.355	2.826	
	<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	0.785	0.942	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.333	6.117	7.450	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.328</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.810	0.856			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			



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

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Manhole MB Sai Varandhavan Colony-03

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Murum bedding						0.000				
	Total (B)						1.333				
		Net Qty = A - B					1.995	8.893	10.888		
	SVC 87										
	CRS4.00	548.650	547.780	547.530		1.120					
	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	0.920	2.889	14.570	17.458	
	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	0.150	0.471	2.826	3.297	
	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	0.942	1.099	
	Item No. : 11 Transportation of earth Transportation charges							1.397	7.450	8.846	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.517				
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.870	0.919			
	soiling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)										



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

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Manhole MB Sai Varandhavan Colony-03

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	CE/198.65	548.980	548.030	547.780			1.200				
	Item No. 1 - Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.000	3.140		26.847	29.987
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		4.710	5.181
	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		1.570	1.727
	Item No. : 11 Transportation of earth Transportation charges							1.481		13.279	14.760
	Item No. 30 - Refilling the excavated trenches ...										
	Total Excavation(A)=							3.768			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.950	1.003			
	soiling							0.000			
	P.C.	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.481			
	Net Qty = A - B							2.287		19.848	22.135
	SVC 12										
	CE/198.30	549.100	548.050	547.800			1.300				
	Item No. 1 - Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.100	3.454		29.987	33.441
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		5.181	5.652
	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		1.727	1.884
	Item No. : 11 Transportation of earth Transportation charges							1.587		14.760	16.347
	Item No. 30 - Refilling the excavated trenches ...										
	Total Excavation(A)=							4.082			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.050	1.109			
	soiling							0.000			
	P.C.	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.587			
	Net Qty = A - B							2.495		22.135	24.630
	SVC 13										
	CE/198.20	548.290	548.230	547.980			1.310				



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Manhole MB Sai Varandhavan Colony-03

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	1.110	3.485		33.441	36.926
	<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	0.150	0.471		5.652	6.123
	<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		1.884	2.041
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.597		16.347	17.944
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							4.113			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.060	1.120			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							1.597			
								Net Qty = A - B			
	<b>SVC 14</b>							2.516	24.630	27.146	
	<b>CH143.40</b>	549.080	548.330	548.080			1.000				
	<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	0.800	2.512		36.926	39.438
	<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	0.150	0.471		6.123	6.594
	<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		2.041	2.198
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.270		17.944	19.214
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							3.140			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.750	0.792			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							1.270			
								Net Qty = A - B			
	<b>SVC 11/01</b>							1.870	27.146	29.016	
	<b>CH34.40</b>	548.700	548.140	547.890			0.810				



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

Book No. :- 012  
Page No. :-

Manhole MB Sai Varandhavan Colony-03

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. 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	0.610	1.915		39.438	41.354
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		6.594	7.065
	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		2.198	2.355
	Item No. : 11 Transportation of earth Transportation charges							1.069		19.214	20.283
	Item No. 30 :- Refilling the excavated trenches ...							2.543			
	<b>Total Excavation(A)=</b>										
	Deduction										
	Brick work	1			0.785	1.160	1.160	0.560		0.592	
	soling									0.000	
	PCC	1			0.785	1.560	1.560	0.250		0.478	
	Murrum bedding									0.000	
	<b>Total (B)</b>							<b>1.069</b>			
								<b>1.474</b>		<b>29.016</b>	<b>30.491</b>
	SVC 11/02										
	CH56.60	548.750	548.210	547.960				0.790			
	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	0.590	1.853		41.354	43.206
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		7.065	7.536
	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		2.355	2.512
	Item No. : 11 Transportation of earth Transportation charges							1.048		20.283	21.331
	Item No. 30 :- Refilling the excavated trenches ...							2.481			
	<b>Total Excavation(A)=</b>										
	Deduction										
	Brick work	1			0.785	1.160	1.160	0.540		0.570	
	soling									0.000	
	PCC	1			0.785	1.560	1.560	0.250		0.478	
	Murrum bedding									0.000	
	<b>Total (B)</b>							<b>1.048</b>			
								<b>1.433</b>		<b>30.491</b>	<b>31.923</b>
	SVC 11/03										
	CH73.80	548.880	548.240	547.990				0.890			



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	0.690	2.167		43.206	45.373
	<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	0.150	0.471		7.536	8.007
	<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		2.512	2.669
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.154		21.331	22.485
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							2.795			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.640	0.676			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							1.154			
	<b>Net Qty = A - B</b>							1.641		31.923	33.564
	<b>SVN 01</b>										
	<b>CH0.00</b>	547.830	546.985	546.735			1.095				
	<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	1.095	3.438		45.373	48.811
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.370		22.485	23.855
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							3.438			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.845	0.893			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							1.370			
	<b>Net Qty = A - B</b>							2.068		33.564	35.632
	<b>SVN 02</b>										
	<b>CH9.40</b>	547.905	547.055	546.805			1.100				
	<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	1.100	3.454		48.811	52.265
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.375		23.855	25.230
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewerage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banowadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commissioning of Sewerage pumping stations at Banowadi, 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 Aerotankbed C's.

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Manhole MB Sai Varandhavan Colony-03

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	<b>Total Excavation(A)=</b>						<b>3.454</b>				
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.850	0.898			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	<b>Total (B)</b>							<b>1.375</b>			
				<b>Net Qty = A - B</b>					<b>2.079</b>	<b>35.632</b>	
	<b>SVN 03</b>										
	<b>CH16.10</b>	547.935	547.125	546.875			1.060				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.060	3.328	52.265	55.594	
	Item No. : 11 Transportation of earth Transportation charges							1.333	25.230	26.564	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.328</b>			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.810	0.856			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	<b>Total (B)</b>							<b>1.333</b>			
				<b>Net Qty = A - B</b>					<b>1.995</b>	<b>37.711</b>	
	<b>SVN 04</b>										
	<b>CH22.20</b>	548.105	547.275	547.025			1.080				
	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	1.080	3.391	55.594	58.985	
	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	0.000	0.000	8.007	8.007	
	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	0.000	0.000	2.669	2.669	
	Item No. : 11 Transportation of earth Transportation charges							1.354	26.564	27.918	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.391</b>			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.830	0.877			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	<b>Total (B)</b>							<b>1.354</b>			
				<b>Net Qty = A - B</b>					<b>2.037</b>	<b>39.706</b>	
									<b>41.743</b>		



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

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Page No. :-

Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Venture)  
Authority No. AMC/Ward B&C/UIDSSMT/2014/184 Date 01.07.2014

Date	Particulars of work	DETAILS				Content of arrears	Last measurement		Total Upto Date Quantity
		No	L	B	D		Page	Quantity	
	<b>Breaking and Construction of M25 Concrete Work Infront of BEST PRICE</b>								
	<b>Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.</b>								
	(a) For Lift 0 to 1.5m	1	11	1.5	0.2	2.475	0.000	2.475	
	(a) For Lift 0 to 1.5m	1	9.5	1.5	0.2	2.138	0.000	2.138	
						<b>4.613</b>	<b>0.000</b>	<b>4.613</b>	
	<b>Item No. 6 :- Providing and laying in situ Cement Concrete of trap/granite /quartzite/gneiss metal for RCC work in foundation</b>								
		1	11	1.5	0.2	2.475	0.000	2.475	
		1	9.5	1.5	0.2	2.138	0.000	2.138	
						<b>4.613</b>	<b>0.000</b>	<b>4.613</b>	



Total up to Date  
10

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

Name of Agency:- M/s Authority No. AMC/W

Date of Measurement	Particulars

Qty Sai Varandhavan Colony-03

**QUANTITY ABSTRACT**  
**SAI VRANDHAVAN COLONY-03**

Sr. No.	Discription	MB/PG	ITEM 1		ITEM 2		ITEM 4	ITEM 6	ITEM 7	ITEM 11	ITEM 12		ITEM 13	ITEM 30	ITEM 35	Extra Item 2.a	
			0-1.5	1.5-3.0	0-1.5	1.5-3.0					0-1.5 m	Rebate					
1	For Pipe		110.255	0.000	22.827		12.222	4.613	17.255	24.995	257.250	257.250	257.250	115.696	0.250		
2	For Manhole		58.985	0.000	8.007		2.669			27.918				41.743		21.000	-48.550
	<b>Total</b>		169.240	0.000	30.834	0.000	14.891	4.613	17.255	52.913	257.250	257.250	157.439	0.250	21.000	-48.550	

Page 1 of 1

CONTRACTOR



PMC



Jr. Engineer

*[Signature]*

CLIENT

Dy. Engineer

*[Signature]*  
Ex. Engineer

e	Last asurement	
	Quantity	Total up to Date
	9	10



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), Banowadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banowadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No. 94 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main

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Page No. :-

Shivshankar Colony-03 Measurement sheet

**9th R A BILL MEASUREMENTS DWC PIPE SHIVSHANKAR COLONY-03**

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>SHIVSHANKAR COLONY-03 (PART-I)</b>											
	DWC - 250mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.25+0.5=0.75m										
	For Lift 1.5 to 3.00m- 0.25+0.5+0.4=1.15m										
	For Lift 3.0 to 4.5m- 0.25+0.5+0.4+0.4=1.55m										
	SHI 1 TO SHI 2										
	CHR.00	581.480	580.380	580.280			1.200	1.145			
	CHR.20	581.540	580.550	580.450			1.090				
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			6.200	0.750	0.845	3.929	0.000	3.929 ✓	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.200	0.750	0.250	1.163	0.000	1.163 ✓	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.200	0.750	0.050	0.233	0.000	0.233 ✓	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.800	0.750	0.100	0.510	0.000	0.510 ✓	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.844	0.000	0.844 ✓	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			7.300			7.300	0.000	7.300 ✓	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>5.324</b>			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	6.800	0.250	0.250	0.33			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							0.51			
								<b>0.84</b>			
								<b>4.48</b>	<b>0.000</b>	<b>4.481</b> ✓	
	<b>Net Qty = A - B</b>										
	SHI 2 TO SHI 3										
	CHR.20	581.540	580.550	580.450			1.090	1.068			
	CHR.15.00	581.640	580.695	580.595			1.045				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.800	0.750	0.767	2.763	3.929	6.692 ✓	



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2 Shivshankar Colony-03 Measurement sheet

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. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.800	0.750	0.250	0.900		1.163	2.063 ✓
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.800	0.750	0.050	0.180		0.233	0.413 ✓
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.400	0.750	0.100	0.405		0.510	0.915 ✓
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.670		0.844	1.514 ✓
	<b>Item No. 13 :-</b> (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			5.900			5.900		7.300	13.200 ✓
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							3.843			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	5.400	0.250	0.250	0.26			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.41			
								0.67			
								<b>Net Qty = A - B</b>		4.481	7.654 ✓
	<b>SHI 3 TO SHI 4</b>										
	CH15.00	581.640	580.695	580.595			1.045	1.077			
	CH24.10	581.930	580.920	580.820			1.110				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			7.100	0.750	0.777	4.140		6.692	10.832 ✓
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.100	0.750	0.250	1.331		2.063	3.394 ✓
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			7.100	0.750	0.050	0.266		0.413	0.679 ✓
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.700	0.750	0.100	0.578		0.915	1.493 ✓
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.955		1.514	2.469 ✓
	<b>Item No. 13 :-</b> (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.200			8.200		13.200	21.400 ✓
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakhtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commissioning of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main and 150mm dia pipe line from Golwadi SPS to Nakhtrawadi (Kanchanwadi) STP and Ward No.98 to

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Shivshankar Colony-03 Measurement sheet

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Total Excavation=						5.738				
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	7.700	0.250	0.250	0.38			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							0.58			
								0.96			
								4.78	7.654		
	Net Qty = A - B								12.436		
	SHI 4 TO SHI 5										
	CH24.10	581.930	580.920	580.820			1.110				
	CH33.30	582.040	581.280	581.180			0.860	0.985			
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			7.200	0.750	0.685	3.699	10.832	14.531	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete. (a) For Lift 0 to 1.5m	1			7.200	0.750	0.250	1.350	3.394	4.744	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			7.200	0.750	0.050	0.270	0.679	0.949	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.800	0.750	0.100	0.585	1.493	2.078	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.968	2.469	3.437	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.300			8.300	21.400	29.700	
	Item No. 30 :- Refilling the excavated trenches _										
	Total Excavation=							5.319			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	7.800	0.250	0.250	0.38			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							0.59			
								0.97			
	Net Qty = A - B							4.35	12.436	16.787	
	PVC - 160 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.16+0.5=0.66m										
	For Lift 1.5 to 3.00m- 0.16+0.5+0.4=1.06m										
	For Lift 3.0 to 4.5m- 0.16+0.5+0.4+0.4=1.46m										
	SHI 1 TO SHI 1.1										
	CH0.00	581.480	580.800	580.700			0.780	0.780			



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Shivshankar Colony-03 Measurement sheet

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>CH4.00</b>	581.600	581.000	580.900			0.700				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			3.300	0.660	0.440	0.958		14.531	15.490
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.300	0.660	0.250	0.545		4.744	5.288
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.300	0.660	0.050	0.109		0.949	1.058
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			3.300	0.660	0.100	0.218		2.078	2.295
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.284		3.437	3.721
	<b>Extra Item No. :-</b> Lowering & Laying of Polyethylene PVC pipe of 160mm Dia	1			3.550			3.550		0.000	3.550
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							1.612			
	<b>Deduction</b>										
	pipe area	1.00		0.785	3.300	0.160	0.160	0.07			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.22			
								0.28			
								<b>Net Qty = A - B</b>		16.787	18.115
	<b>PVC - 110 mm Dia</b>										
	<b>Width of Trench -</b>										
	For Lift 0 to 1.50m- 0.110+0.5=0.61m										
	For Lift 1.5 to 3.00m- 0.11+0.5+0.4=1.01m										
	For Lift 3.0 to 4.5m- 0.11+0.5+0.4+0.4=1.41m										
	<b>SHI 4 TO SHI 4.1</b>										
	<b>CH0.00</b>	581.930	581.100	581.000			0.930				
	<b>CH5.40</b>	581.980	581.350	581.250			0.730	0.830			
	<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			4.700	0.610	0.530	1.520		15.490	17.009
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.700	0.610	0.250	0.717		5.288	6.005



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Shivshankar Colony-03 Measurement sheet

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			4.700	0.610	0.050	0.143		1.058	1.201
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.700	0.610	0.100	0.287		2.295	2.582
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond							0.331		3.721	4.052
	Extra Item No. :- Lowering & Laying of Polyethylene PVC pipe of 110mm Dia	1			4.950			4.950		0.000	4.950
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>2.380</b>			
	<b>Deduction</b>										
	pipe area	1.00		0.785	4.700	0.110	0.110	0.04			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.29			
								<b>0.33</b>			
					Net Qty = A - B			<b>2.05</b>		<b>18.115</b>	<b>20.163</b>
	SHI 4 TO SHI 4.2										
	CH0.00	581.930	581.100	581.000			0.930	0.835			
	CH3.50	581.950	581.310	581.210			0.740				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. (a) For Lift 0 to 1.5m	1			1.950	0.610	0.535	0.636		17.009	17.646
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			1.950	0.610	0.250	0.297		6.005	6.302
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			1.950	0.610	0.050	0.059		1.201	1.260
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.250	0.610	0.100	0.137		2.582	2.719
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.159		4.052	4.211
	Extra Item No. :- Lowering & Laying of Polyethylene PVC pipe of 110mm Dia	1			2.750			2.750		4.950	7.700
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>0.993</b>			



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6. Shivshankar Colony-03 Measurement sheet

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>										
	pipe area	1.00		0.785	2.250	0.110	0.110	0.02			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.14			
								0.16			
		Net Qty = A - B						0.83	20.163	20.998	
	<b>SHI 5 TO SHI 5.1</b>										
	CH0.00	582.040	581.400	581.300			0.740	0.745			
	CH1.50	582.150	581.500	581.400			0.750				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.800	0.610	0.445	0.217	17.646	17.863	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.800	0.610	0.250	0.122	6.302	6.424	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.800	0.610	0.050	0.024	1.260	1.285	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.800	0.610	0.100	0.049	2.719	2.768	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.056	4.211	4.267	
	<b>Extra Item No. :-</b> Lowering & Laying of Polyethylene PVC pipe of 110mm Dia	1			1.050			1.050	7.700	8.750	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							0.364			
	<b>Deduction</b>										
	pipe area	1.00		0.785	0.800	0.110	0.110	0.01			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.05			
								0.06			
		Net Qty = A - B						0.31	20.998	21.305	
	<b>SHIVSHANKAR COLONY-03 (PART-II)</b>										
	<b>DWC - 250mm Dia</b>										
	<b>Width of Trench -</b>										
	For Lift 0 to 1.50m- 0.25+0.5=0.75m										
	For Lift 1.5 to 3.00m- 0.25+0.5+0.4=1.15m										
	For Lift 3.0 to 4.5m- 0.25+0.5+0.4+0.4=1.55m										
	<b>SHIV 1 TO SHIV 2</b>										
	CH0.00	573.640	572.640	572.540			1.100	1.175			
	CH10.40	574.020	572.870	572.770			1.250				



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Gofwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main 1000mm dia pipe line from Gofwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP at Banewadi etc.

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Shivshankar Colony-03 Measurement sheet

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. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			7.740	0.750	0.925	5.370		17.863	23.232
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			7.740	0.750	0.200	1.161		6.424	7.585
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			7.740	0.750	0.050	0.290		1.285	1.575
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.740	0.750	0.100	0.656		2.768	3.424
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.084		4.267	5.351
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			9.240			9.240		29.700	38.940
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>6.821</b>			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	8.740	0.250	0.250	0.43			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.66			
								1.08			
								<b>5.74</b>		<b>21.305</b>	<b>27.042</b>
	<b>Net Qty = A - B</b>										
	SHIV 2 TO SHIV 3										
	CH10.40	574.020	572.870	572.770				1.250			
	CH19.80	574.410	573.450	573.350				1.060			
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			6.740	0.750	0.905	4.575		23.232	27.807
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			6.740	0.750	0.200	1.011		7.585	8.596
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			6.740	0.750	0.050	0.253		1.575	1.828
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.740	0.750	0.100	0.581		3.424	4.004
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.960		5.351	6.312



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Shivshankar Colony-03 Measurement sheet

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. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.240			8.240	38.940	47.180	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							5.839			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	7.740	0.250	0.250	0.38			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.58			
								0.96			
								4.88	27.042	31.920	
	<b>Net Qty = A - B</b>										
	<b>SHIV 3 TO SHIV 4</b>										
	CH19.80	574.410	573.450	573.350			1.060	1.265			
	CH29.30	574.990	573.620	573.520			1.470				
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			6.840	0.750	1.015	5.207	27.807	33.014	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete. (a) For Lift 0 to 1.5m	1			6.840	0.750	0.200	1.026	8.596	9.622	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			6.840	0.750	0.050	0.257	1.828	2.084	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.840	0.750	0.100	0.588	4.004	4.592	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							0.973	6.312	7.284	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.340			8.340	47.180	55.520	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							6.489			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	7.840	0.250	0.250	0.38			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.59			
								0.97			
	<b>Net Qty = A - B</b>							5.52	31.920	37.437	
	<b>SHIV 4 TO SHIV 5</b>										



2



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 sewerage line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

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Shivshankar Colony-03 Measurement sheet

Date:	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	(2824.38)	574.990	573.620	573.520			1.470				
	(2845.58)	575.580	574.130	574.030			1.550				
	Item No. 1 - Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			13.540	0.750	1.250	12.694	33.014	45.708	
	(b) For Lift 1.5 to 3.0m	1			13.540	0.750	0.010	0.102	0.000	0.102	
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.540	0.750	0.200	2.031	9.622	11.653	
	Item No. 4 - Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			13.540	0.750	0.050	0.508	2.084	2.592	
	Item No. 7 - Filling in plinth and floors/ trenches etc complete (bedding)	1			14.540	0.750	0.100	1.091	4.592	5.683	
	Item No. - 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							1.804	7.284	9.088	
	Item No. 13 - (c) Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			15.040			15.040	55.520	70.560	
	Item No. 30 - Refilling the excavated trenches ...										
	Total Excavation=							15.334			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	14.540	0.250	0.250	0.71			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							1.09			
								1.80			
								13.53	37.437	50.967	
	SHIV S TO SHIV S.1										
	(CHL.30)	575.580	574.130	574.030			1.550	1.250			
	(CHL.40)	575.680	574.830	574.730			0.950				
	Item No. 1 - Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			16.950	0.750	0.550	6.992	45.708	52.700	
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.950	0.750	0.650	8.263	11.653	19.917	
	Item No. 4 - Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			16.950	0.750	0.050	0.636	2.592	3.228	



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shankar Colony-03 Measurement sheet

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. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.450	0.750	0.100	1.309		5.683	6.991
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.165		9.088	11.253
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			17.950			17.950		70.560	88.510
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>15.891</b>			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	17.450	0.250	0.250	0.86			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.31			
								2.16			
								<b>Net Qty = A - B</b>			
								<b>13.73</b>		<b>50.967</b>	<b>64.693</b>
	<b>SW PIPE - 250 mm Dia</b>										
	<b>Width of Trench -</b> For Lift 0 to 1.50m- $0.250+0.02+0.02+0.5=0.79m$										
	For Lift 1.5 to 3.00m- $0.250+0.02+0.02+0.5+0.4=1.19m$										
	For Lift 3.0 to 4.5m- $0.250+0.5+0.02+0.02+0.4+0.4=1.59m$										
	<b>SHIV 5 TO SHIV 6</b>										
	CH45.50	575.580	574.130	574.030			1.550				
	CH54.25	575.760	574.510	574.410			1.350	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			6.090	0.790	1.200	5.773		52.700	58.473
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.090	0.790	0.200	0.962		19.917	20.879
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.090	0.790	0.050	0.241		3.228	3.468
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.090	0.790	0.100	0.560		6.991	7.551
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.966		11.253	12.219



*g*

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 and 100 mm dia pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

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Page No. :-

Shivshankar Colony-03 Measurement sheet

Date	Particulars of work	DETAILS					Content of arrears	Last measurment		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			7.590			7.590		0.000	7.590
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.976			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	7.090	0.270	0.270	0.41			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							0.56			
								0.97			
		Net Qty = A - B							6.01	64.693	70.703
	SHIV 6 TO SHIV 7										
	CH54.25	575.760	574.510	574.410			1.350	1.320			
	CH64.10	575.970	574.780	574.680			1.290				
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			7.190	0.790	0.620	3.522		58.473	61.995
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete. (a) For Lift 0 to 1.5m	1			7.190	0.790	0.650	3.692		20.879	24.571
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			7.190	0.790	0.050	0.284		3.468	3.752
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.190	0.790	0.100	0.647		7.551	8.198
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.116		12.219	13.335
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			8.690			8.690		7.590	16.280
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							7.498			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	8.190	0.270	0.270	0.47			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							0.65			
								1.12			
		Net Qty = A - B							6.38	70.703	77.085
	SHIV 7 TO SHIV 8										
	CH64.10	575.970	574.780	574.680			1.290	1.420			
	CH78.70	576.540	575.090	574.990			1.550				
	Item No. 1 :- Excavation for foundation/pipe trenches in										



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12 Shivshankar Colony-03 Measurement sheet

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			11.940	0.790	0.720	6.791	61.995	68.786	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.940	0.790	0.650	6.131	24.571	30.702	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			11.940	0.790	0.050	0.472	3.752	4.224	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			12.940	0.790	0.100	1.022	8.198	9.221	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.763	13.335	15.097	
	<b>Extra Item :-</b> Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			13.440			13.440	16.280	29.720	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							13.394			
	<b>Deduction of 250mm dia SW pipe</b>										
	pipe area	1.00		0.785	12.940	0.270	0.270	0.74			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.02			
								1.76			
								<b>Net Qty = A - B</b>	11.63	77.085	88.716
	<b>SHIV 8 TO SHIV 9</b>										
	CH78.70	576.540	575.090	574.990			1.550	1.575			
	CH97.70	576.960	575.460	575.360			1.600				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			16.340	0.790	0.800	10.327	68.786	79.113	
	(b) For Lift 1.5 to 3.0m	1			16.340	0.790	0.075	0.968	0.102	1.070	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.340	0.790	0.650	8.391	30.702	39.093	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			16.340	0.790	0.050	0.645	4.224	4.869	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.340	0.790	0.100	1.370	9.221	10.591	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							2.362	15.097	17.459	
	<b>Extra Item :-</b> Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			17.840			17.840	29.720	47.560	



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commissioning 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 at Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

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Shivshankar Colony-03 Measurement sheet

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=</b>						<b>20.331</b>				
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	17.340	0.270	0.270	0.99			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							1.37			
								2.36			
		<b>Net Qty = A - B</b>					<b>17.97</b>		<b>88.716</b>	<b>106.685</b>	
	SHIV 9 TO SHIV 10										
	CH97.70	576.960	575.460	575.360			1.600				
	CH112.70	577.290	575.890	575.790			1.500	1.550			
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			12.670	0.790	0.800	8.007	79.113	87.121	
	(b) For Lift 1.5 to 3.0m	1			12.670	0.790	0.050	0.500	1.070	1.570	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.670	0.790	0.650	6.506	39.093	45.599	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			12.670	0.790	0.050	0.500	4.869	5.370	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.470	0.790	0.100	1.064	10.591	11.655	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.835	17.459	19.294	
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			13.970			13.970	47.560	61.530	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>15.514</b>			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	13.470	0.270	0.270	0.77			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							1.06			
								1.83			
		<b>Net Qty = A - B</b>					<b>13.68</b>		<b>106.685</b>	<b>120.365</b>	
	SHIV 10 TO SHIV 11										
	CH112.70	577.290	575.890	575.790			1.500				
	CH126.70	577.510	576.210	576.110			1.400	1.450			
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			12.000	0.790	0.750	7.110	87.121	94.231	



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Shivshankar Colony-03 Measurement sheet

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.000	0.790	0.650	6.162		45.599	51.761
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			12.000	0.790	0.050	0.474		5.370	5.844
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)				12.600	0.790	0.100	0.995		11.655	12.650
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.716		19.294	21.011
	<b>Extra Item :-</b> Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			13.100			13.100		61.530	74.630
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							13.746			
	<b>Deduction of 250mm dia SW pipe</b>										
	pipe area	1.00		0.785	12.600	0.270	0.270	0.72			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.00			
								1.72			
					Net Qty = A - B			12.03		120.365	132.394
	<b>SHIV 11 TO SHIV 12</b>										
	CH126.70	577.510	576.210	576.110			1.400				
	CH143.10	577.870	576.670	576.570			1.300	1.350			
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			14.400	0.790	0.650	7.394		94.231	101.625
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.400	0.790	0.650	7.394		51.761	59.155
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			14.400	0.790	0.050	0.569		5.844	6.413
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)				15.000	0.790	0.100	1.185		12.650	13.835
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							2.043		21.011	23.054
	<b>Extra Item :-</b> Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			15.500			15.500		74.630	90.130
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										



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Shivshankar Colony-03 Measurement sheet

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Total Excavation:-						15.358				
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	15.000	0.270	0.270	0.86			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							1.19			
								2.04			
		Net Qty = A - B						13.31	132.394	145.708	
	SHIV 7 TO SHIV 7.1										
	CH0.00	575.970	575.000	574.900			1.070				
	CH8.20	575.980	575.200	575.100			0.880	0.975			
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			6.350	0.790	0.275	1.380	101.625	103.004	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			6.350	0.790	0.650	3.261	59.155	62.416	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			6.350	0.790	0.050	0.251	6.413	6.663	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.850	0.790	0.100	0.541	13.835	14.376	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.933	23.054	23.987	
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			7.350			7.350	90.130	97.480	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation:-							4.891			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	6.850	0.270	0.270	0.39			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							0.54			
								0.93			
		Net Qty = A - B						3.96	145.708	149.666	
	SHIV 9 TO SHIV 9.1										
	CH0.00	576.960	575.850	575.750			1.210				
	CH4.00	576.990	575.980	575.880			1.110	1.160			
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			2.150	0.790	0.460	0.781	103.004	103.786	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			2.150	0.790	0.650	1.104	62.416	63.520	



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Shivshankar Colony-03 Measurement sheet

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. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.150	0.790	0.050	0.085		6.663	6.748
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.650	0.790	0.100	0.209		14.376	14.586
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.361		23.987	24.348
	<b>Extra Item :-</b> Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			3.150			3.150		97.480	100.630
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							1.970			
	<b>Deduction of 250mm dia SW pipe</b>										
	pipe area	1.00		0.785	2.650	0.270	0.270	0.15			
	soling							0.00			
	PCC							0.00			
	Murram bedding							0.21			
								0.36			
								<b>Net Qty = A - B</b>		149.666	151.276
	<b>SHIV 9 TO SHIV 9.2</b>										
	CH0.00	576.960	575.990	575.890			1.070				
	CH6.40	577.000	576.250	576.150			0.850	0.960			
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			4.550	0.790	0.260	0.935		103.786	104.720
	(b) For Lift 1.5 to 3.0m	1			4.550	0.790	0.000	0.000		1.570	1.570
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			4.550	0.790	0.650	2.336		63.520	65.856
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.550	0.790	0.050	0.180		6.748	6.928
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.050	0.790	0.100	0.399		14.586	14.985
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.688		24.348	25.036
	<b>Extra Item :-</b> Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			5.550			5.550		100.630	106.180
	<b>Item No. 13 :-</b> (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia									88.510	88.510



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1 Shivshankar Colony-03 Chamber Meas.

**9th R A BILL MEASUREMENTS CHEMBER SHIVSHANKAR COLONY-03**

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>SHIVSHANKAR COLONY-03 (PART-I)</b>											
<b>DWC - 250mm Dia</b>											
	Excavation of Chamber - For 0.9 Dia. chamber up to Depth of 2.0 mt.- 0.9+0.5+0.3+0.3=2.0m										
	Area for chamber up to Depth of 2m= 2 * 2=4m										
<b>SHI 1</b>											
	<b>CH0.00</b>	581.480	580.380	580.130			1.350				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.050	3.297	0.000	3.297	
	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	0.250	0.785	0.000	0.785	
	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 &							1.640	0.000	1.640	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							4.239			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.16	1.16	1.100	1.16			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	<b>Total (B)</b>							1.64			
								<b>Net Qty = A - B</b>	2.60	0.000	2.599
<b>SHI 2</b>											
	<b>CH8.20</b>	581.540	580.550	580.300			1.240				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.940	2.952	3.297	6.249	
	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	0.250	0.785	0.785	1.570	
	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	0.157	0.314	



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main and 150mm dia pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to CIDCO (Airport).

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Shivshankar Colony-03 Chamber Meas.

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 & Item No. 30 -> Refilling the excavated trenches ...						1.523		1.640	3.163	
	<b>Total Excavation(A)=</b>						<b>3.894</b>				
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.16	1.16	0.990	1.05			
	soiling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							<b>1.52</b>			
		<b>Net Qty = A - B</b>							<b>2.37</b>	<b>2.599</b>	<b>4.970</b>
	SHI 3										
	CH15.00	581.640	580.695	580.445			1.195				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.895	2.810	6.249	9.059	
	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	0.250	0.785	1.570	2.355	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.050	0.157	0.314	0.471	
	Item No. : 11 Transportation of earth Transportation charges including loading & Item No. 30 -> Refilling the excavated trenches ...							1.476	3.163	4.639	
	<b>Total Excavation(A)=</b>							<b>3.752</b>			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.16	1.16	0.945	1.00			
	soiling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							<b>1.48</b>			
		<b>Net Qty = A - B</b>							<b>2.28</b>	<b>4.970</b>	<b>7.246</b>
	SHI 4										
	CH24.10	581.930	580.920	580.670			1.260				
	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	0.960	3.014	9.059	12.073	
	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	0.250	0.785	2.355	3.140	



2

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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3

Shivshankar Colony-03 Chamber Meas.

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			0.785	4.000	0.050	0.157		0.471	0.628
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.544		4.639	6.183
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							3.956			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.16	1.16	1.010	1.07			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							1.54			
		Net Qty = A - B							2.41	7.246	9.658
	SHI 5										
	CH33.30	582.040	581.280	581.030			1.010				
	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	0.710	2.229		12.073	14.303
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.000	0.000		0.000	0.000
	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	0.250	0.785		3.140	3.925
	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		0.628	0.785
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.280		6.183	7.463
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							3.171			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.16	1.16	0.760	0.80			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							1.28			
		Net Qty = A - B							1.89	9.658	11.549
	Excavation of Chamber - For 0.6m chamber up to Depth of 1.5 mt-0.6+0.5+0.3+0.3=1.7m										



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.96 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main

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Shivshankar Colony-03 Chamber Meas.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Breadth for chamber up to Depth of 1.5m= 0.45+0.5+0.3+0.3=1.55m										
	SHI 4.2										
	CH3.50	581.950	581.310	581.060			0.890				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.590	1.555	14.303	15.857	
	(b) For Lift 1.5 to 3.0m	1			1.700	1.550	0.000	0.000	0.000	0.000	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.250	0.659	3.925	4.584	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.050	0.132	0.785	0.917	
	Item No. : 11 Transportation of earth Transportation charges including loading & Item No. 30 :- Refilling the excavated trenches ...							0.818	7.463	8.282	
	Total Excavation(A)=							2.345			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.100	0.950	0.640	0.525			
	soling							0.000			
	PCC	1.00		0.785	1.300	1.150	0.250	0.293			
	Murrum bedding							0.000			
	Total (B)							0.818			
	Net Qty = A - B							1.527	11.549	13.076	
	<b>SHIVSHANKAR COLONY-03 (PART-II)</b>										
	Excavation of Chamber - For 1.20m dia Manhole (upto a depth of 2.0m)- 1.20+0.23+0.23+0.5+0.5=2.66 m										
	Area for Manhole=2.66*2.66=7.0756m										
	SHIV 1										
	CH0.00	573.640	572.640	572.390			1.250				
	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	7.076	1.000	5.554	15.857	21.412	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.000	0.000	0.000	0.000	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.200	1.111	4.584	5.695	



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.95 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main

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Shivshankar Colony-03 Chamber Meas.

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						2.195	13.020	15.215		
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						6.721				
	Deduction										
	Brick work	1		0.785	1.390	1.390	0.960	1.456			
	PCC	1		0.785	1.940	1.940	0.250	0.739			
	Soling	1		0.785	1.940	1.940	0.000	0.000			
							2.195				
		Net Qty = A - B					4.526	23.057	27.583		
	SHIV 4										
	CH29.30	574.990	573.620	573.370			1.620				
	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	7.076	1.370	7.609	33.131	40.741	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.200	1.111	7.916	9.027	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.050	0.278	1.750	2.028	
	Item No. : 11 Transportation of earth Transportation						2.816	15.215	18.031		
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						8.998				
	Deduction										
	Brick work	1		0.785	1.390	1.390	1.370	2.078			
	PCC	1		0.785	1.940	1.940	0.250	0.739			
	Soling	1		0.785	1.940	1.940	0.000	0.000			
							2.816				
		Net Qty = A - B					6.182	27.583	33.765		
	SHIV 5										
	CH45.50	575.580	574.130	573.880			1.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	1.250	6.943	40.741	47.684	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.000	0.000	0.000	0.000	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.200	1.111	9.027	10.138	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.050	0.278	2.028	2.305	
	Item No. : 11 Transportation of earth Transportation						2.938	18.031	20.969		



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7 Shivshankar Colony-03 Chamber Meas.

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=</b>						8.332				
	<b>Deduction</b>										
	Brick work	1		0.785	1.390	1.390	1.450	2.199			
	PCC	1		0.785	1.940	1.940	0.250	0.739			
	Soling	1		0.785	1.940	1.940	0.000	0.000			
								2.938			
								5.394	33.765	39.158	
	<b>SHIV 5.1</b>										
	<b>CH18.80</b>										
		575.680	574.830	574.580			1.100				
	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	0.400	1.256	47.684	48.940	
	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	0.650	2.041	10.138	12.179	
	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	2.305	2.462	
	Item No. : 11 Transportation of earth Transportation							1.375	20.969	22.344	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							3.454			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.850	0.898			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Soling							0.000			
								1.375			
								2.079	39.158	41.237	
	<b>SHIV 6</b>										
	<b>CH54.25</b>										
		575.760	574.510	574.260			1.500				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.800	4.443	48.940	53.383	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.650	3.610	12.179	15.789	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.050	0.278	2.462	2.740	
	Item No. : 11 Transportation of earth Transportation							2.634	22.344	24.979	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							8.332			



2



Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali, Constructing, Erecting, Testing and Commissioning of Sewerage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewerage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No. 48 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main 600mm dia line from Golwadi SPS to Malhotra SPS.

Shivshankar Colony-03 Chamber Meas.

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Deduction										
	Brick work	1		0.785	1.390	1.390	1.250		1.896		
	PCC	1		0.785	1.940	1.940	0.250		0.739		
	Soling	1		0.785	1.940	1.940	0.000		0.000		
									2.634		
				Net Qty = A - B					5.697	41.237	46.934
	SHIV 7										
	CH54.10	575.970	574.780	574.530			1.440				
	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	7.076	0.740		4.110	53.383	57.493
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.650		3.610	15.789	19.400
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.050		0.278	2.740	3.018
	Item No. : 11 Transportation of earth Transportation								2.543	24.979	27.522
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=								7.998		
	Deduction										
	Brick work	1		0.785	1.390	1.390	1.190		1.805		
	PCC	1		0.785	1.940	1.940	0.250		0.739		
	Soling	1		0.785	1.940	1.940	0.000		0.000		
									2.543		
				Net Qty = A - B					5.455	46.934	52.389
	SHIV 8										
	CH78.70	576.540	575.090	574.840			1.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.800		4.443	57.493	61.937
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.200		1.111	0.000	1.111
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.650		3.610	19.400	23.010
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.050		0.278	3.018	3.295
	Item No. : 11 Transportation of earth Transportation								2.938	27.522	30.460
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=								9.442		
	Deduction										
	Brick work	1		0.785	1.390	1.390	1.450		2.199		



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