

**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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Baudha Nagar & Uttam Nagar SW Pipe Measurement Line

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upt 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			8.000	0.790	0.250	1.580		10.033	11.61
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.600	0.790	0.100	0.679		4.643	5.32
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.172		7.939	9.11
	<b>Extra Item No.9.2 :-</b> Lowering & Laying of SW pipe of 250mm Dia	1			9.100			9.100		57.950	67.05
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>6.604</b>			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	8.600	0.270	0.270	0.49			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.68			
								<b>1.17</b>			
		<b>Net Qty = A - B</b>							<b>5.43</b>	<b>39.337</b>	<b>44.76</b>
	<b>BON 8 TO BON 9</b>										
	CH73.80	581.760	580.800	580.700			1.060	1.070			
	CH85.00	581.890	580.910	580.810			1.080				
	<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			9.500	0.790	0.770	5.779		42.267	48.04
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.500	0.790	0.200	1.501		11.613	13.11
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			9.500	0.790	0.100	0.751		0.000	0.75
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.800	0.790	0.100	0.774		5.323	6.09
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.335		9.110	10.44
	<b>Extra Item No.9.2 :-</b> Lowering & Laying of SW pipe of 250mm Dia	1			10.300			10.300		67.050	77.33



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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. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>						<b>8.030</b>				
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	9.800	0.270	0.270	0.56			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.77			
								<b>1.34</b>			
		Net Qty = A - B						<b>6.70</b>	<b>44.769</b>	<b>51.465</b>	
	<b>BON 9 TO BON 10</b>										
	CH85.00	581.890	580.910	580.810			1.080	1.030			
	CH92.70	581.990	581.110	581.010			0.980				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.300	0.790	0.730	3.633	48.046	51.679	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.300	0.790	0.200	0.995	13.114	14.109	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.300	0.790	0.100	0.498	0.751	1.248	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			6.300	0.790	0.100	0.498	6.097	6.595	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.858	10.445	11.304	
	Extra Item No.9.2 :- Lowering & Laying of SW pipe of 250mm Dia	1			6.800			6.800	77.350	84.150	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>5.126</b>			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	6.300	0.270	0.270	0.36			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.50			
								<b>0.86</b>			
		Net Qty = A - B						<b>4.27</b>	<b>51.465</b>	<b>55.733</b>	
	<b>BON 2 TO BON 2.1</b>										
	CH0.00	581.990	581.110	581.010			0.980				



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

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Baudha Nagar & Uttam Nagar SW Pipe Measurement Line

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	CH4.00	581.990	581.250	581.150			0.840	0.710			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.300	0.790	0.560	1.460		51.679	53.139
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.300	0.790	0.250	0.652		14.109	14.759
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.300	0.790	0.100	0.261		1.248	1.509
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			3.300	0.790	0.100	0.261		6.595	6.855
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.450		11.304	11.753
	Extra Item No.9.2 :- Lowering & Laying of SW pipe of 250mm Dia	1			3.550			0.000		84.150	84.150
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>2.372</b>			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	3.300	0.270	0.270	0.19			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.26			
								<b>0.45</b>			
								<b>1.92</b>		<b>55.733</b>	<b>57.656</b>
	<b>Net Qty = A - B</b>										
	<b>UTTAM NAGAR GN-4</b>										
	<b>UN 0 TO UN 1</b>										
	CH0.00	579.780	578.750	578.650			1.130				
	CH4.80	579.780	578.920	578.820			0.960	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			3.800	0.790	0.895	2.687		53.139	55.826
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.800	0.790	0.150	0.450		1.509	1.959



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

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Baudha Nagar & Uttam Nagar SW Pipe Measurement Line

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Murram bedding							1.41			
								2.42			
		Net Qty = A - B						10.14		60.234	70.378
	UN 2 TO UN 3										
	CH24.00	579.790	579.000	578.900			0.890	0.969			
	CH32.00	580.051	579.104	579.004			1.047				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.000	0.790	0.819	3.880		66.356	70.236
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.000	0.790	0.150	0.711		3.997	4.708
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			6.600	0.790	0.100	0.521		8.585	9.107
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.899		14.736	15.636
	Extra Item No.9.2 :- Lowering & Laying of SW pipe of 250mm Dia	1			7.100			7.100		106.800	113.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.591			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	6.600	0.270	0.270	0.38			
	soling							0.00			
	PCC							0.00			
	Murram bedding							0.52			
								0.90			
		Net Qty = A - B						3.69		70.378	74.070
	UN 3 TO UN 4										
	CH32.00	580.051	579.104	579.004			1.047	1.106			
	CH38.00	580.247	579.183	579.083			1.164				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.000	0.790	0.956	3.019		70.236	73.255
	(b) For Lift 1.5m to 3.0m	1			4.000	0.790	0.000	0.000		0.000	0.000
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.000	0.790	0.150	0.474		4.708	5.182



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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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Baudha Nagar & Uttam Nagar SW Pipe Measurement Line

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										
	Murum bedding							0.00			
								0.60			
								1.04			
		Net Qty = A - B							5.89	76.937	82.825
	<b>Sundaram Hotel (Uttam Nagar)</b>										
	<b>SHU 0 TO SHU 1</b>										
	CH0.00	580.015	579.225	579.125			0.890	0.817			
	CH3.50	580.015	579.370	579.270			0.745				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.500	0.790	0.617	1.220	79.349	80.569	
	(b) For Lift 1.5m to 3.0m	1			2.500	0.790	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			2.500	0.790	0.100	0.198	14.761	14.959	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.500	0.790	0.100	0.198	6.012	6.209	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.800	0.790	0.100	0.221	10.071	10.292	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.381	17.298	17.6	
	Extra Item No.9.2 :- Lowering & Laying of SW pipe of 250mm Dia	1			3.050			3.050	127.100	131.00	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>1.615</b>			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	2.800	0.270	0.270	0.16			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.22			
								0.38			
		Net Qty = A - B							1.23	82.825	84.058
	<b>SHU 1 TO SHU 2</b>										
	CH3.50	580.015	579.370	579.270			0.745	0.750			
	CH11.25	580.070	579.415	579.315			0.755				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										



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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								
	(a) For Lift 0 to 1.5m	1			5.750	0.790	0.550	2.498		80.569	83.067	
	(b) For Lift 1.5m to 3.0m	1			5.750	0.790	0.000	0.000		0.000	0.000	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			5.750	0.790	0.100	0.454		14.959	15.413	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			5.750	0.790	0.100	0.454		6.209	6.664	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.350	0.790	0.100	0.502		10.292	10.793	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.865		17.679	18.544	
	<b>Extra Item No.9.2 :-</b> Lowering & Laying of SW pipe of 250mm Dia	1			6.850			6.850		130.150	137.000	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...											
	<b>Total Excavation=</b>							3.407				
	<b>Deduction of 250mm dia pipe</b>											
	pipe area	1.00		0.785	6.350	0.270	0.270	0.36				
	soling							0.00				
	PCC							0.00				
	Murrum bedding							0.50				
								0.87				
								<b>Net Qty = A - B</b>		2.54	84.058	86.600
	<b>SHU 2 TO SHU 3</b>											
	CH11.25	580.070	579.415	579.315			0.755	0.813				
	CH23.95	580.240	579.470	579.370			0.870					
	<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			10.700	0.790	0.613	5.177		83.067	88.245	
	(b) For Lift 1.5m to 3.0m	1			10.700	0.790	0.000	0.000		0.000	0.000	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			10.700	0.790	0.100	0.845		15.413	16.258	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			10.700	0.790	0.100	0.845		6.664	7.509	



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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>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	10.800	0.270	0.270	0.62			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.85			
								1.47			
		<b>Net Qty = A - B</b>							6.83	91.929	98.757
	<b>SHU 4 TO SHU 5</b>										
	CH36.15	580.590	579.500	579.400			1.190	1.155			
	CH42.90	580.590	579.570	579.470			1.120				
	<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			4.750	0.790	0.955	3.584	94.933	98.517	
	(b) For Lift 1.5m to 3.0m	1			4.750	0.790	0.000	0.000	0.000	0.000	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.750	0.790	0.100	0.375	17.064	17.439	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.750	0.790	0.100	0.375	8.315	8.690	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.350	0.790	0.100	0.423	12.539	12.962	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.729	21.555	22.283	
	<b>Extra Item No.9.2 :-</b> Lowering & Laying of SW pipe of 250mm Dia	1			5.850			5.850	160.100	165.950	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							4.334			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	5.350	0.270	0.270	0.31			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.42			
								0.73			
		<b>Net Qty = A - B</b>							3.61	98.757	102.362
	<b>SHU 1 TO SHU 1.1</b>										
	CH0.00	580.015	579.370	579.270			0.745	0.723			
	CH1.95	580.015	579.415	579.315			0.700				



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Baudha Nagar & Uttam Nagar SW Pipe Measurement Line

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			0.750	0.790	0.100	0.059		8.789	8.849
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.750	0.790	0.100	0.059		13.061	13.120
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.102		22.454	22.556
	<b>Extra Item No.9.2 :-</b> Lowering & Laying of SW pipe of 250mm Dia	1			1.000			1.000		167.450	168.450
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>0.422</b>			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	0.750	0.270	0.270	0.04			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.06			
								<b>0.10</b>			
	<b>Net Qty = A - B</b>							<b>0.32</b>		102.906	103.226
	<b>Trimurti Chowk (Uttam Nagar)</b>										
	<b>TCU 1 TO TCU 2</b>										
	CH0.00	584.720	583.670	583.570			1.150	1.125			
	CH10.80	585.120	584.120	584.020			1.100				
	<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			9.100	0.790	1.125	8.088		99.336	107.424
	(b) For Lift 1.5m to 3.0m	1			9.100	0.790	0.000	0.000		0.000	0.000
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.100	0.790	0.000	0.000		17.597	17.597
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			9.100	0.790	0.000	0.000		8.848	8.848
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.400	0.790	0.100	0.743		13.120	13.863
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.281		22.556	23.836



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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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Baudha Nagar & Uttam Nagar SW Pipe Measurement Line

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 :- Lowering & Laying of SW pipe of 250mm Dia	1			9.900			9.900		168.450	178.350	
	Item No. 30 :- Refilling the excavated trenches ...											
	<b>Total Excavation=</b>							<b>8.088</b>				
	<b>Deduction of 250mm dia pipe</b>											
	pipe area	1.00		0.785	9.400	0.270	0.270	0.54				
	soling							0.00				
	PCC							0.00				
	Murum bedding							0.74				
								<b>1.28</b>				
		<b>Net Qty = A - B</b>							<b>6.81</b>		<b>103.226</b>	<b>110.033</b>
	TCU 2 TO TCU 3											
	CH10.80	585.120	584.120	584.020			1.100	1.035				
	CH21.90	585.200	584.330	584.230			0.970					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.											
	(a) For Lift 0 to 1.5m	1			9.100	0.790	1.035	7.441		107.424	114.864	
	(b) For Lift 1.5m to 3.0m	1			9.100	0.790	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			9.100	0.790	0.000	0.000		17.597	17.597	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			9.100	0.790	0.000	0.000		8.848	8.848	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.700	0.790	0.100	0.766		13.863	14.629	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.321		23.836	25.158	
	Extra Item No.9.2 :- Lowering & Laying of SW pipe of 250mm Dia	1			10.200			10.200		178.350	188.550	
	Item No. 30 :- Refilling the excavated trenches ...											
	<b>Total Excavation=</b>							<b>7.441</b>				
	<b>Deduction of 250mm dia pipe</b>											
	pipe area	1.00		0.785	9.700	0.270	0.270	0.56				
	soling							0.00				
	PCC							0.00				
	Murum bedding							0.77				



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

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Baudha Nagar& Uttam Nagar SW PipeMeasurement Line

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
							1.32				
		Net Qty = A - B					6.12		110.033	116.152	
	TCU 1 TO TCU 1.1										
	CH0.00	584.720	583.670	583.570			1.150				
	CH5.00	584.720	583.750	583.650			1.070	1.110			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.450	0.790	1.110	3.025	114.864	117.890	
	(b) For Lift 1.5m to 3.0m	1			3.450	0.790	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			3.450	0.790	0.000	0.000	17.597	17.597	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.450	0.790	0.000	0.000	8.848	8.848	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.750	0.790	0.100	0.296	14.629	14.925	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.511	25.158	25.669	
	Extra Item No.9.2 :- Lowering & Laying of SW pipe of 250mm Dia	1			4.250			4.250	188.550	192.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						3.025				
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	3.750	0.270	0.270	0.21			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.30			
								0.51			
		Net Qty = A - B					2.51		116.152	118.666	
	TCU 2 TO TCU 2.1										
	CH0.00	585.120	584.120	584.020			1.100				
	CH1.00	585.120	584.300	584.200			0.920	1.010			
	Extra Item No.9.2 :- Lowering & Laying of SW pipe of 250mm Dia	1			0.550			0.550	192.800	193.350	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=	Laying Excavation comes in MH Excavation					0.000				



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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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Baudha Nagar & Uttam Nagar SW Pipe Measurement Line

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>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	0.000	0.270	0.270	0.00			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.00			
								0.00			
		<b>Net Qty = A - B</b>							0.00	118.666	
	<b>TCU 2 TO TCU 2.2</b>										
	CH0.00	585.120	584.120	584.020			1.100	1.050			
	CH2.40	585.120	584.220	584.120			1.000				
	<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			0.550	0.790	1.050	0.456	117.890	118.346	
	(b) For Lift 1.5m to 3.0m	1			0.550	0.790	0.000	0.000	0.000	0.000	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.550	0.790	0.000	0.000	17.597	17.597	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.550	0.790	0.000	0.000	8.848	8.848	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.150	0.790	0.100	0.091	14.925	15.016	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.157	25.669	25.825	
	<b>Extra Item No.9.2 :-</b> Lowering & Laying of SW pipe of 250mm Dia	1			1.650			1.650	193.350	195.000	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							0.456			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	1.150	0.270	0.270	0.07			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.09			
								0.16			
		<b>Net Qty = A - B</b>							0.30	118.666	
	<b>TCU 3 TO TCU 3.1</b>										
	CH0.00	585.200	584.330	584.230			0.970	0.933			
	CH2.65	585.200	584.405	584.305			0.895				



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

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

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

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Baudha Nagar & Uttam Nagar SW Pipe Measurement Line

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			0.800	0.790	0.933	0.589	118.346	118.935	
	(b) For Lift 1.5m to 3.0m	1			0.800	0.790	0.000	0.000	0.000	0.000	
	<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	0.790	0.000	0.000	17.597	17.597	
	<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	0.790	0.000	0.000	8.848	8.848	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.400	0.790	0.100	0.111	15.016	15.127	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.191	25.825	26.016	
	<b>Extra Item No.9.2 :-</b> Lowering & Laying of SW pipe of 250mm Dia	1			1.900			1.900	195.000	196.900	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							0.589			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	1.400	0.270	0.270	0.08			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.11			
								0.19			
	<b>Net Qty = A - B</b>							0.40	118.966	119.365	
	<b>Item No :35</b> Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.198					0.198	



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

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

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

Details							Last Measurement
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Baudha Nagar & Uttam Nagar SW Pipe Chamber Meas. Baudha Nagar

**9th R A BILL MEASUREMENTS CHEMBER BAUDDHA 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>SWG - 200 mm Dia</b>										
	Excavation of Chamber - For 0.9 Dia. chamber up to Depth of 1.5mt- 0.9+0.5+0.3+0.3=2.0m Area = 2 * 2=4m										
	<b>BOG1</b>										
	<b>CH0.00</b>	584.190	583.370	583.120			1.070				
	<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	1.070	3.360	0.000	3.360	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.344	0.000	1.344	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							3.360			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.160	1.160	0.820	0.866			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							1.344			
	<b>Net Qty = A - B</b>							2.016	0.000	2.016	



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**9th R A BILL MEASUREMENTS SW CHAMBER BAUDHA NAGAR & 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 - 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										
	Bredth for Square chamber up to Depth of 2m= 2 * 2=4m										
	<b>BON 1</b>										
	<b>CH7.50</b>	579.870	578.940	578.690			1.180				
	<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	0.930	2.920	3.360	6.280	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.460	1.344	2.804	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.705</b>			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.16	1.16	0.930	0.98			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>1.46</b>			
	<b>Net Qty = A - B</b>							<b>2.25</b>	<b>2.016</b>	<b>4.261</b>	
	<b>BON 2</b>										
	<b>CH20.10</b>	580.170	579.100	578.850			1.320				
	<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	1.070	3.360	6.280	9.640	
	<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	0.250	0.785	0.785	1.570	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.608	2.804	4.412	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>4.145</b>			
	<b>Deduction of 250mm dia pipe</b>										



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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							
	Brick work	1.00		0.785	1.16	1.16	1.070	1.13			
	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>1.61</b>			
		<b>Net Qty = A - B</b>							<b>2.54</b>	<b>4.261</b>	<b>6.798</b>
	<b>BON 3</b>										
	<b>CH30.10</b>	580.320	579.300	579.050			1.270				
	<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	1.020	3.203	9.640	12.843	
	<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	0.250	0.785	1.570	2.355	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.555	4.412	5.967	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.988</b>			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.16	1.16	1.020	1.08			
	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>1.56</b>			
		<b>Net Qty = A - B</b>							<b>2.43</b>	<b>6.798</b>	<b>9.231</b>
	<b>BON 4</b>										
	<b>CH38.40</b>	580.670	579.650	579.400			1.270				
	<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	1.020	3.203	12.843	16.045	
	<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	0.250	0.785	2.355	3.140	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.555	5.967	7.522	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.988</b>			
	<b>Deduction of 250mm dia pipe</b>										



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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							
	Brick work	1.00		0.785	1.16	1.16	1.020	1.08			
	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>1.56</b>			
		<b>Net Qty = A - B</b>							<b>2.43</b>	<b>9.231</b>	<b>11.664</b>
	<b>BON 5</b>										
	CH46.80	580.960	579.910	579.660			1.300				
	<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	1.050	3.297	16.045	19.342	
	<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	0.250	0.785	3.140	3.925	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.587	7.522	9.108	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>4.082</b>			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.16	1.16	1.050	1.11			
	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>1.59</b>			
		<b>Net Qty = A - B</b>							<b>2.50</b>	<b>11.664</b>	<b>14.159</b>
	<b>BON 6</b>										
	CH56.30	581.140	580.170	579.920			1.220				
	<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	0.970	3.046	19.342	22.388	
	<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	0.250	0.785	3.925	4.710	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.502	9.108	10.610	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.831</b>			
	<b>Deduction of 250mm dia pipe</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 Nakshirawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main RPDI pipe line from Golwadi SPS to Nakshirawadi (Kanchanwadi) STP and Ward No.98 to

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Baudha Nagar & Uttam Nagar SW Pipe 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							
	Brick work	1.00		0.785	1.16	1.16	0.970	1.02			
	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>1.50</b>			
		<b>Net Qty = A - B</b>						<b>2.33</b>		14.159	16.488
	<b>BON 7</b>										
	<b>CH63.80</b>	581.380	580.450	580.200			1.180				
	<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	0.930	2.920	22.388	25.308	
	<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	0.250	0.785	4.710	5.495	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.460	10.610	12.070	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.705</b>			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.16	1.16	0.930	0.98			
	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>1.46</b>			
		<b>Net Qty = A - B</b>						<b>2.25</b>		16.488	18.733
	<b>BON 8</b>										
	<b>CH73.80</b>	581.760	580.800	580.550			1.210				
	<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	0.910	2.857	25.308	28.165	
	<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	0.200	0.628	5.495	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	0.100	0.314	0.000	0.314	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							1.492	12.070	13.562	



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

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Baudha Nagar & Uttam Nagar SW Pipe 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(A)=</b>						3.799				
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.16	1.16	0.960	1.01			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							1.49			
		<b>Net Qty = A - B</b>						2.31	18.733	21.041	
	<b>UTTAM NAGAR GN-4</b>										
	<b>UN 1</b>										
	<b>CH4.80</b>	579.780	578.920	578.670			1.110				
	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	0.960	3.014	28.166	31.180	
	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	0.150	0.471	0.314	0.785	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.386	13.562	14.948	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							3.485			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.16	1.16	0.860	0.91			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							1.39			
		<b>Net Qty = A - B</b>						2.10	21.041	23.140	
	<b>UN 2</b>										
	<b>CH24.00</b>	579.790	579.000	578.750			1.040				
	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	0.890	2.795	31.180	33.975	
	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	0.150	0.471	0.785	1.256	



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

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Baudha Nagar & Uttam Nagar SW Pipe 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 &						1.312		14.948	16.260	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>						<b>3.266</b>				
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.16	1.16	0.790	0.83			
	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>1.31</b>				
		Net Qty = A - B						<b>1.95</b>	23.140	25.094	
	<b>UN 3</b>	<b>0.9 X 0.6</b>									
	CH32.00	580.051	579.104	578.854			1.197				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	1.047	3.560	33.975	37.535	
	(b) For Lift 1.5 to 3.0m	1			2.000	1.700	0.000	0.000	0.000	0.000	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.150	0.510	1.256	1.766	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.978	16.260	18.238	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>						<b>4.070</b>				
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		1	1.40	1.10	0.947	1.46			
	soling							0.00			
	PCC	1.00		1	1.60	1.30	0.25	0.52			
	Murum bedding							0.00			
	<b>Total (B)</b>						<b>1.98</b>				
		Net Qty = A - B						<b>2.09</b>	25.094	27.185	
	<b>UN 4</b>	<b>0.9 X 0.6</b>									
	CH38.00	580.247	579.183	578.933			1.314				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	1.164	3.958	37.535	41.493	
	(b) For Lift 1.5 to 3.0m	1			2.000	1.700	0.000	0.000	0.000	0.000	



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

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Baudha Nagar & Uttam Nagar SW Pipe 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			2.000	1.700	0.150	0.510		1.766	2.276	
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.159		18.239	20.397	
	Item No. 30 :- Refilling the excavated trenches ...											
	<b>Total Excavation(A)=</b>							<b>4.468</b>				
	<b>Deduction of 250mm dia pipe</b>											
	Brick work	1.00		1	1.40	1.10	1.064	1.64				
	soling							0.00				
	PCC	1.00		1	1.60	1.30	0.25	0.52				
	Murum bedding							0.00				
	<b>Total (B)</b>							<b>2.16</b>				
		<b>Net Qty = A - B</b>							<b>2.31</b>		<b>27.185</b>	<b>29.494</b>
	UN 5											
	CH47.00	580.540	579.300	579.050			1.490					
	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	1.340	4.208		41.492	45.700	
	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	0.150	0.471		2.276	2.747	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.787		20.397	22.184	
	Item No. 30 :- Refilling the excavated trenches ...											
	<b>Total Excavation(A)=</b>							<b>4.679</b>				
	<b>Deduction of 250mm dia pipe</b>											
	Brick work	1.00		0.785	1.16	1.16	1.240	1.31				
	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>1.79</b>				
		<b>Net Qty = A - B</b>							<b>2.89</b>		<b>29.494</b>	<b>32.385</b>
	Sundaram Hotel (Uttam Nagar)											
	SHU 1											
	CH3.50	580.015	579.370	579.120			0.895					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.											



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

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Baudha Nagar & Uttam Nagar SW Pipe Chamber Meas.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upt Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murram bedding							0.00			
	<b>Total (B)</b>							<b>1.17</b>			
		<b>Net Qty = A - B</b>						<b>1.67</b>		<b>34.037</b>	<b>35.709</b>
	SHU 3										
	CH23.95	580.240	579.470	579.220			1.020				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.820	2.575	50.096	52.671	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.000	0.000	41.492	41.492	
	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	0.100	0.314	6.751	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	0.100	0.314	3.375	3.689	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.291	24.513	25.804	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.203</b>			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.16	1.16	0.770	0.81			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	<b>Total (B)</b>							<b>1.29</b>			
		<b>Net Qty = A - B</b>						<b>1.91</b>		<b>35.709</b>	<b>37.621</b>
	SHU 4										
	CH36.15	580.590	579.500	579.250			1.340				
	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	1.140	3.580	52.671	56.250	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.000	0.000	41.492	41.492	
	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	0.100	0.314	7.065	7.379	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										



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

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Baudha Nagar & Uttam Nagar SW Pipe Chamber Meas.

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	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	1.250	3.925		59.610	63.535
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.534		28.988	30.522
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.925</b>			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.16	1.16	1.000	1.06			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>1.53</b>			
		<b>Net Qty = A - B</b>							<b>2.39</b>	<b>42.632</b>	<b>45.023</b>
	TCU 3										
	CH21.90	585.200	584.330	584.080			1.120				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.120	3.517		63.535	67.052
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.397		30.522	31.918
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.517</b>			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.16	1.16	0.870	0.92			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>1.40</b>			
		<b>Net Qty = A - B</b>							<b>2.12</b>	<b>45.023</b>	<b>47.144</b>
	Excavation of Chamber - For 0.6X 0.3m chamber up to Depth of 2.0 mt.- 0.6+0.5+0.3+0.3=1.7m										
	up to Depth of 1.5m= 0.3+0.5+0.3+0.3=1.4m										
	TCU 1.1										
	CH5.00	584.720	583.750	583.500			1.220				



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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. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.400	1.220	2.904		67.052	69.955
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.925		31.918	32.843
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>2.904</b>			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.10	0.80	0.970	0.67			
	soling							0.00			
	PCC	1.00		0.785	1.30	1.00	0.25	0.26			
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>0.93</b>			
		<b>Net Qty = A - B</b>							<b>1.98</b>	<b>47.144</b>	<b>49.122</b>
	<b>TCU 2.2</b>	SQUARE MANHOLE									
	<b>CH1.00</b>	585.120	584.300	584.050			1.070				
	<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			1.700	1.400	1.070	2.547		69.955	72.502
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.822		32.843	33.665
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>2.547</b>			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.10	0.80	0.820	0.57			
	soling							0.00			
	PCC	1.00		0.785	1.30	1.00	0.25	0.26			
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>0.82</b>			
		<b>Net Qty = A - B</b>							<b>1.73</b>	<b>49.122</b>	<b>50.847</b>
	<b>TCU 3.1</b>	SQUARE MANHOLE									
	<b>CH2.65</b>	585.200	584.405	584.155			1.045				
	<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			1.700	1.400	1.045	2.487		72.502	74.989
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading &							0.804		33.665	34.469



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

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

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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. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>						<b>2.487</b>				
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.10	0.80	0.795	0.55			
	soling							0.00			
	PCC	1.00		0.785	1.30	1.00	0.25	0.26			
	Murum bedding							0.00			
	<b>Total (B)</b>							<b>0.80</b>			
		<b>Net Qty = A - B</b>									
	<b>TCU 4</b>	Circular Manhole									
	<b>CH0.00</b>	584.720	583.670	583.420			1.300				
	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	1.300	4.082	74.989	79.071	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.000	0.000	41.492	41.492	
	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	7.693	7.693	
	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	4.317	4.317	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.587	34.469	36.056	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>4.082</b>			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.16	1.16	1.050	1.11			
	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>1.59</b>			
		<b>Net Qty = A - B</b>									
								<b>2.50</b>	52.530	55.025	



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**9th R A BILL CHEMBER DETAILS BAUDHA NAGAR & UTTAM NAGAR**

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to		Total Rebate Qty for 30
		No			Depth of 1.5		
		GL	IL	DEPTH	For per 30 cm		
<b>1</b>	<b>Extra Item No. :2</b> 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</b>	<b>BAUDHA NAGAR</b>						
1	BOG1	584.190	583.370	0.820	1.5	-0.680	
2	BON 1	579.870	578.940	0.930	1.5	-0.570	
3	BON 2	580.170	579.100	1.070	1.5	-0.430	
4	BON 3	580.320	579.300	1.020	1.5	-0.480	
5	BON 4	580.670	579.650	1.020	1.5	-0.480	
6	BON 5	580.960	579.910	1.050	1.5	-0.450	
7	BON 6	581.140	580.170	0.970	1.5	-0.530	
8	BON 7	581.380	580.450	0.930	1.5	-0.570	
9	BON 8	581.760	580.800	0.960	1.5	-0.540	
<b>B</b>	<b>UTTAM NAGAR</b>						
10	UN 1	579.780	578.920	0.860	1.5	-0.640	
11	UN 2	579.790	579.000	0.790	1.5	-0.710	-37.467
12	UN 5	580.540	579.300	1.240	1.5	-0.260	
<b>C</b>	<b>SUNDARAM HOTEL (UTTAM NAGAR)</b>						
13	SHU1	580.015	579.370	0.645	1.5	-0.855	
14	SHU2	580.070	579.415	0.655	1.5	-0.845	
15	SHU3	580.240	579.470	0.770	1.5	-0.730	
16	SHU4	580.590	579.500	1.090	1.5	-0.410	
17	SHU5	580.590	579.570	1.020	1.5	-0.480	
<b>D</b>	<b>TRIMURTI CHOWK</b>						
18	TCU 2	585.120	584.120	1.000	1.5	-0.500	
19	TCU 3	585.200	584.330	0.870	1.5	-0.630	
20	TCU 4	584.720	583.670	1.050	1.5	-0.450	
	<b>Total</b>					<b>-11.240</b>	<b>-37.467</b>

<b>2</b>	<b>Extra Item No. :3</b> Providing and constructing on sewer.BBM manhole 0.9 m X 0.6 m Square and up to a depth of 1.5 M etc., complete						
<b>B</b>	<b>UTTAM NAGAR</b>						
1	UN 3	580.051	579.104	0.947	1.5	-0.553	-3.297
2	UN 4	580.247	579.183	1.064	1.5	-0.436	
	<b>Total</b>					<b>-0.989</b>	<b>-3.297</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 GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

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9th R A BILL MEASUREMENTS OF BBM WORK									
Date	Particulars of work	DETAILS				Content of arrears	Last measurement		Total Upto Date
		No	L	B	D		Page	Quantity	
<b>A</b>	<b>BAUDHA NAGAR</b>								
	<b>Rising Manhole</b>	<b>BON 9</b>							
	<b>Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.</b>								
	(a) Long Wall	2	1.360	0.230	0.300	0.188		0.000	0.188
	(b) Short Wall	2	0.600	0.230	0.300	0.083		0.000	0.083
	<b>Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.</b>								
	(a) Long Wall	2	0.900	0.000	0.400	0.720		0.000	0.720
	(b) Short Wall	2	0.600	0.000	0.400	0.480		0.000	0.480
	<b>Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.</b>								
	(a) Long Wall	2	1.360	0.000	0.400	1.088		0.000	1.088
	(b) Short Wall	2	1.060	0.000	0.400	0.848		0.000	0.848
	<b>Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.</b>								
	(a) Long Wall Internal	2	0.900	0.000	0.400	0.720		0.000	0.720
	(b) Short Wall Internal	2	0.600	0.000	0.400	0.480		0.000	0.480
	(c) Long Wall External	2	1.360	0.000	0.400	1.088		0.000	1.088
	(d) Short Wall External	2	1.060	0.000	0.400	0.848		0.000	0.848
	<b>Rising Manhole</b>	<b>BON 10</b>							
	<b>Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.</b>								
		3.14	0.830	0.230	0.300	0.180		0.188	0.368
									0.450
	<b>Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.</b>								
		3.14	0.830	0.000	0.400	1.042		0.720	1.762
									2.242
	<b>Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.</b>								
		3.14	1.020	0.000	0.400	1.281		1.088	2.369
									3.217



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

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Baudha Nagar & Uttam Nagar SW Pipe Raised Manhole

Date	Particulars of work	DETAILS				Content of arrears	Last measurement		Total Upto Date
		No	L	B	D		Page	Quantity	
	Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.								
	Internal	3.14	0.830	0.000	0.400	1.042		0.720	1.762
	External	3.14	1.020	0.000	0.400	1.281		1.088	2.369
									5.460
	<b>Trimurti Chowk</b>								
	<b>0.6mx0.3m Size MH-3Nos-Average Depth-<math>((1.22+1.07+1.045)/3-0.15=0.96)</math></b>								
	Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.								
	(a) Long Wall	6	1.060	0.230	0.960	1.404			1.404
	(b) Short Wall	6	0.300	0.230	0.960	0.397			0.397
						1.802		0.450	2.252
	Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.								
	(a) Long Wall	6	0.600		0.960	3.456			3.456
	(b) Short Wall	6	0.300		0.960	1.728			1.728
						5.184		2.242	7.426
	Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.								
	(a) Long Wall	6	1.060		0.960	6.106			6.106
	(b) Short Wall	6	0.760		0.960	0.730			0.730
						6.835		3.217	10.052
	Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.								
	(a) Long Wall Internal	6	0.600		0.960	3.456			3.456
	(b) Short Wall Internal	6	0.300		0.960	1.728			1.728
	(c) Long Wall External	6	1.060		0.960	6.106			6.106
	(d) Short Wall External	6	0.760		0.960	4.378			4.378
						15.667		5.460	21.127
	Extra Item :5(b) - Providing & Casting M15 Grade PCC for manhole etc complete.								
	PCC	3	1.260	0.960	0.150	0.544		0.000	0.544



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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

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No.98 and  
GRP/DI  
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Author

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Baudha Nagar, Uttam Nagar SW Pipe Quantity Abstract

QUANTITY ABSTRACT																						
BAUDHA NAGAR & UTTAM NAGAR																						
SR No	Description	ITEM 1		ITEM 2		ITEM 3		ITEM 4		ITEM 5		ITEM 6										
		0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0									
1	For Pipe	118.310	0.000	37.597	0.000	15.127	26.016	119.365	0.198	20.000	-37.467	2.00	-3.30	2.252	7.426	10.052	21.127	0.544	4.850	196.900	4.850	196.900
2	For Manhole	79.071	41.492	7.693	4.317	36.056	62.072	174.390	0.198	20.000	-37.467	2.00	-3.30	2.252	7.426	10.052	21.127	0.544	4.850	196.900	4.850	196.900
	Total	197.381	41.492	45.290	8.634	51.183	88.148	293.750	0.396	40.000	-74.934	4.00	-6.60	4.504	14.852	20.104	42.254	1.088	9.700	393.800	9.700	393.800

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Ex. Engineer

CLIENT  
*[Handwritten Signature]*  
By Engineer

*[Handwritten Signature]*  
Jr. Engineer

*[Handwritten Signature]*  
Project Manager

PMC  
Fortress Infrastructure Advisors  
Project Manager

CONTRACTOR  
Fortress Infrastructure Advisors  
Authorized Signatory

Total up to  
Date

to





Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No. 08 and CIDCO (Airport). Providing, Laying, joining and testing rising main

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Bauddha Nagar-02 Measure 250 SWG.

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	1			11.400	0.790	0.100	0.901		0.656	1.556
	Item No. : 11 Transportation of earth Transportation charges							1.553		1.131	2.684
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			11.900			11.900		8.800	20.700
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>10.388</b>			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	11.400	0.270	0.270	0.65			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.90			
								1.55			
								<b>8.83</b>		<b>6.18</b>	<b>15.02</b>
	<b>Net Qty = A - B</b>										
	<b>BNG3 TO BNG4</b>										
	CH22.50	579.960	578.830	578.730			1.230	1.090			
	CH37.35	579.540	578.690	578.590			0.950				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			12.850	0.790	1.090	11.065		17.703	28.768
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			13.450	0.790	0.100	1.063		1.556	2.619
	Item No. : 11 Transportation of earth Transportation charges							1.832		2.684	4.516
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			13.950			13.950		20.700	34.650
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>11.065</b>			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	13.450	0.270	0.270	0.77			
	soling							0.00			
	PCC							0.00			
	Murum bedding							1.06			
								1.83			
	<b>Net Qty = A - B</b>							<b>9.23</b>		<b>15.02</b>	<b>24.25</b>
	<b>BNG4 TO BNG5</b>										
	CH37.35	579.540	578.690	578.590			0.950	0.950			
	CH43.55	579.340	578.490	578.390			0.950				
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			5.200	0.790	0.950	3.903		28.768	32.670



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Continued in MS - 4597/01