

Name of work:- Disposal of Underground Sewerage Collection system for Zone I to V and Zone Salim AR. Construction, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Bancwadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Bancwadi, 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.

M/S. K.J.L. Infrastructure Consultants Pvt. Ltd. (Joint Manufacturer)

D Sewer Final 1200mm-MB

9th R A BILL MEASUREMENTS
SEWER "D"

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	D-1200mm Dia										
	Width of trench- For Bottom Lift 0.00-1.50m- 1.2+0.25+0.25+0.5+2.2m										
	From Bottom Lift 1.50-3.00m- 1.2+0.25+0.25+0.5+0.4+2.6m										
	From Bottom Lift 3.00-4.50m- 1.2+0.25+0.25+0.5+0.4+0.4 = 3.0m										
	From Bottom Lift 4.50-6.0m- 1.2+0.25+0.25+0.5+0.4+0.4+0.4 = 3.4m										
	From Bottom Lift 6.00-7.50m- 1.2+0.25+0.25+0.5+0.4+0.4+0.4+0.4 = 3.8m										
		Samarthnagar Part I									
	CH195.50	559.635	555.010	554.685			4.950	4.958			
	CH210.50	559.650	555.010	554.685			4.965				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	3.400	0.300	15.300	0.000	15.300	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			15.00	3.400	1.200	61.200	0.000	61.200	
	(b) For Lift 1.5m to 3.0m	1			15.00	3.000	1.500	67.500	0.000	67.500	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(c) For Lift 3.0m to 4.5m	1			15.00	2.600	0.200	7.800	0.000	7.800	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			15.00	2.600	0.900	35.100	0.000	35.100	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			15.00	2.600	0.400	15.600	0.000	15.600	
	(d) For Lift 4.5m to 6.0m	1			15.00	2.200	0.458	15.114	0.000	15.114	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			15.00	2.200	0.200	6.600	0.000	6.600	
	Item No. 17 (j) :- Lowering & Laying RCC NP3 class pipe of 1200mm Dia	1			15.00			15.000	0.000	15.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							217.614			
	Deduction										
	pipe area	1		0.785	15.00	1.450	1.450	24.76			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							6.60			
	Total = B							31.36			
					Net Qty = A - B			186.26	0.000	186.257	
	CH210.50	559.650	555.010	554.685			4.965	4.972			



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

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D Sewer Final 1200mm-MB

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Up Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	CH223.60	559.675	555.010	554.685			4.990				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			11.50	3.400	0.300	11.730		15.300 27.03	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			11.50	3.400	1.200	46.920		61.200 108.12	
	(b) For Lift 1.5m to 3.0m	1			11.50	3.000	1.300	44.850		67.500 112.35	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			11.50	3.000	0.200	6.900		0.000 6.90	
	(c) For Lift 3.0m to 4.5m	1			11.50	2.600	0.100	2.990		7.800 10.79	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			11.50	2.600	0.900	26.910		35.100 62.01	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			11.50	2.600	0.500	14.950		15.600 30.55	
	(d) For Lift 4.5m to 6.0m	1			11.50	2.200	0.478	12.093		15.114 27.20	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			11.50	2.200	0.200	5.060		6.600 11.66	
	Item No. 17 (I) :- Lowering & Laying RCC NP3 class pipe of 1200mm Dia	1			12.50			12.500		15.000 27.50	
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							167.343			
	Deduction										
	pipe area	1		0.785	11.50	1.450	1.450	18.98			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							5.06			
	Total = B							24.04			
	Net Qty = A - B							143.30		186.257 329.56	
	D 4										
	CH223.60	559.675	555.010	554.685			4.990				
	CH246.70	559.315	555.055	554.730			4.585	4.788	Connected to Part II		
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			21.50	3.400	0.300	21.930		27.030 48.96	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			21.50	3.400	1.200	87.720		108.120 195.84	
	(b) For Lift 1.5m to 3.0m	1			21.50	3.000	1.200	77.400		112.350 189.75	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			21.50	3.000	0.200	12.900		6.900 19.80	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			21.50	3.000	0.100	6.450		0.000 6.45	
	(c) For Lift 3.0m to 4.5m	1			21.50	2.600	0.300	16.770		62.010 78.78	



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Name of work:- Designing 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 Nakshirwadi (Kancharwadi), 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/FR pipe line from Golwadi SPS to Nakshirwadi (Kancharwadi) STP and Ward No.98 to STP for Aurangabad City.

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D Sewer Final 1200mm-MB

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			21.50	2.600	1.200	67.080		30.550	97.630
	(d) For Lift 4.5m to 6.0m	1			21.50	2.200	0.288	13.622		27.207	40.830
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			21.50	2.200	0.200	9.460		11.660	21.120
	Item No. 17 (j) :- Lowering & Laying RCC NP3 class pipe of 1200mm Dia	1			22.50			22.500		27.500	50.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							303.872			
	Deduction										
	pipe area	1		0.785	21.50	1.450	1.450	35.48			
	soling							0.00			
	PCC							0.00			
	Murum bedding							9.46			
	Total = B							44.94			
	Net Qty = A - B							258.93		329.560	588.488
	Samarthnagar Part II										
	CH395.50	558.835	556.035	555.710			3.125				
	CH400.50	558.835	556.055	555.730			3.105	3.115			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			5.00	3.000	1.500	22.500		195.840	218.340
	(b) For Lift 1.5m to 3.0m	1			5.00	2.600	1.100	14.300		189.750	204.050
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			5.00	2.600	0.400	5.200		19.800	25.000
	(c) For Lift 3.0m to 4.5m	1			5.00	2.200	0.115	1.265		10.790	12.055
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			5.00	2.200	0.200	2.200		21.120	23.320
	Item No. 17 (j) :- Lowering & Laying RCC NP3 class pipe of 1200mm Dia	1			5.00			5.000		50.000	55.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							43.265			
	Deduction										
	pipe area	1		0.785	5.00	1.450	1.450	8.25			
	soling							0.00			
	PCC							0.00			
	Murum bedding							2.20			
	Total = B							10.45			
	Net Qty = A - B							32.81		588.488	621.300
	Near Nirala Bazar										
	CH596.10	561.400	557.250	556.925			4.475				
	CH598.60	561.400	557.250	556.925			4.475	4.475			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			2.50	3.000	0.400	3.000		48.960	51.960
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			2.50	3.000	1.100	8.250		218.340	226.590



Be

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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D Sewer Final 1200mm-MB

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Up. Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	(b) For Lift 1.5m to 3.0m	1			2.50	2.600	1.500	9.750			
	(c) For Lift 3.0m to 4.5m	1			2.50	2.200	0.800	4.400		204.050	213.800
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									0.000	4.400
	(c) For Lift 3.0m to 4.5m	1			2.50	2.200	0.675	3.713			
	Item No. 7 :- Filling in plinth and	1			2.50	2.200	0.200	1.100		12.055	15.768
	Item No. 17 (J) :- Lowering & Laying RCC NP3 class pipe of 1200mm Dia	1			2.50			2.500		23.320	24.420
	Item No 30 :- Refilling the excavated trenches ...									55.000	57.500
	Total Excavation= A										
	Deduction							29.113			
	pipe area	1		0.785	2.50	1.450	1.450	4.13			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.10			
	Total = B							5.23			
	Net Qty = A - B							23.89		621.300	645.187
	CH598.60	561.400	557.250	556.925			4.475				
	CH611.10	561.980	557.300	556.975			5.005	4.740			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc										
	(a) For Lift 0 to 1.5m	1			12.50	3.400	1.500	63.750		226.590	290.340
	(b) For Lift 1.5m to 3.0m	1			12.50	3.000	1.500	56.250		213.800	270.050
	(c) For Lift 3.0m to 4.5m	1			12.50	2.600	1.500	48.750		4.400	53.150
	(d) For Lift 4.5m to 6.0m	1			12.50	2.200	0.240	6.600		0.000	6.600
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			12.50	2.200	0.200	5.500		24.420	29.920
	Item No. 17 (J) :- Lowering & Laying RCC NP3 class pipe of 1200mm Dia	1			12.50			12.500		57.500	70.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A										
	Deduction							175.350			
	pipe area	1		0.785	12.50	1.450	1.450	20.63			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							5.50			
	Total = B							26.13			
	Net Qty = A - B							149.22		645.187	794.406
	CH611.10	561.980	557.300	556.975			5.005				
	CH636.10	561.870	557.420	557.095			4.775	4.890			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			25.00	3.400	0.700	59.500		51.960	111.460
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc										
	(a) For Lift 0 to 1.5m	1			25.00	3.400	0.800	68.000		290.340	358.340
	(b) For Lift 1.5m to 3.0m	1			25.00	3.000	1.500	112.500		270.050	382.550
	(c) For Lift 3.0m to 4.5m	1			25.00	2.600	1.500	97.500		53.150	150.650
	(d) For Lift 4.5m to 6.0m	1			25.00	2.200	0.390	21.450		6.600	28.050



Signature

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salam A&B. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalra, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalra, 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.

D Sewer Final 1200mm-MB

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			25.00	2.200	0.200	11.000		29.920	40.920
	Item No. 17 (J) :- Lowering & Laying RCC NP3 class pipe of 1200mm Dia	1			25.00			25.000		70.000	95.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							358.950			
	Deduction										
	pipe area	1		0.785	25.00	1.450	1.450	41.26			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							11.00			
	Total = B							52.26			
		Net Qty = A - B						306.69		794.406	1101.094
	CH636.10	561.870	557.420	557.095			4.775				
	CH648.60	561.900	557.470	557.145			4.755	4.765			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			12.50	3.400	0.500	21.250		111.460	132.710
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			12.50	3.400	1.000	42.500		358.340	400.840
	(b) For Lift 1.5m to 3.0m	1			12.50	3.000	1.500	56.250		382.550	438.800
	(c) For Lift 3.0m to 4.5m	1			12.50	2.600	1.500	48.750		150.650	199.400
	(d) For Lift 4.5m to 6.0m	1			12.50	2.200	0.265	7.288		28.050	35.338
	Item No. 2 :- Excavation for foundation/pipe trenches in Ward murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			12.50	3.000	0.000	0.000		25.000	25.000
	(c) For Lift 3.0m to 4.5m	1			12.50	2.600	0.000	0.000		15.768	15.768
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			12.50	3.000	0.000	0.000		6.450	6.450
	(c) For Lift 3.0m to 4.5m	1			12.50	2.600	0.000	0.000		78.780	78.780
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			12.50	2.600	0.000	0.000		97.630	97.630
	(d) For Lift 4.5m to 6.0m	1			12.50	2.200	0.000	0.000		40.830	40.830
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			12.50	2.200	0.200	5.500		40.920	46.420
	Item No. 17 (J) :- Lowering & Laying RCC NP3 class pipe of 1200mm Dia	1			12.50			12.500		95.000	107.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							176.038			
	Deduction										
	pipe area	1		0.785	12.50	1.450	1.450	20.63			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							5.50			
	Total = B							26.13			
		Net Qty = A - B						149.91		1101.094	1251.001



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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 GRP DI pipe line from Golwadi SPS to Nakshirawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurnagabad City.

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D Sewer Final 1000mm-MB

9th R A BILL MEASUREMENTS
Sewer "D"

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	D-Sewer-1000mm Dia- Churahhatti										
	Width of trench- For										
	Bottom Lift 0.00-1.50m- 1.0+0.23+0.23+0.5=1.96m										
	From Bottom Lift 1.50-3.00m- 1.0+0.23+0.23+0.5+0.4=2.36m										
	From Bottom Lift 3.00-4.50m- 1.0+0.23+0.23+0.5+0.4+0.4= 2.76m										
	From Bottom Lift 4.50-6.0m- 1.0+0.23+0.23+0.5+0.4+0.4+0.4 = 3.16m										
	From Bottom Lift 6.0m-7.5m- 1.0+0.23+0.23+0.5+0.4+0.4+0.4+0.4 = 3.56m										
	From Bottom Lift 7.5m-9.0m- 1.0+0.23+0.23+0.5+0.4+0.4+0.4+0.4+0.4 = 3.96m										
	D 41	Part I									
	CH1470.00	567.496	564.676	564.361			3.135				
	CH1491.00	567.506	564.676	564.361			3.145	3.140			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			18.60	2.760	0.300	15.401	132.710	148.111	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.60	2.760	1.200	61.603	400.840	462.443	
	(b) For Lift 1.5m to 3.0m	1			18.60	2.360	1.200	52.675	438.800	491.475	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			18.60	2.360	0.200	8.779	25.000	33.779	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			18.60	2.360	0.100	4.390	6.450	10.840	
	(c) For Lift 3.0m to 4.5m	1			18.60	1.960	0.140	5.104	78.780	83.884	
	Item No. 7 :- Filling in plinth and floor/ trenches etc complete.(bedding)	1			18.60	1.960	0.200	7.291	46.420	53.711	
	Item No. 17 (b) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			20.00			20.000	0.000	20.000	
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							147.952			
	Deduction										
	pipe area	1		0.785	18.60	1.230	1.230	22.09			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							7.29			
	Total = B							29.38			
								118.57	1251.001	1369.572	
	D 42										
	CH1491.00	567.506	564.676	564.361			3.145				
	CH1513.60	567.486	564.696	564.381			3.105	3.125			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			18.60	2.760	0.300	15.401	148.111	163.512	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.60	2.760	1.200	61.603	462.443	524.046	
	(b) For Lift 1.5m to 3.0m	1			18.60	2.360	1.200	52.675	491.475	544.150	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Sahin 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 GRP/DI pipe line from Golwadi SPS to Nakshirawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. 130
Page No. :-

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

D Sewer Final 1000mm-MB

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	(b) For Lift 1.5m to 3.0m	1			25.00	2.360	0.300	17.700		50.124	67.824
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			25.00	2.360	0.300	17.700		22.795	40.445
	(c) For Lift 3.0m to 4.5m	1			25.00	1.960	0.177	8.673		91.921	100.594
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			25.00	1.960	0.200	9.800		68.568	78.368
	Item No. 17 (b) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			25.00			25.000		60.000	85.000
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							200.673			
	Deduction										
	pipe area	1		0.785	25.00	1.230	1.230	29.69			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							9.80			
	Total = B							39.49			
	Net Qty = A - B							161.18		1585.653	1746.835
	CH1559.50	568.936	564.736	564.421			4.515	4.520			
	CH1569.50	568.946	564.736	564.421			4.525				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.00	2.760	1.100	30.360		661.504	691.864
	(b) For Lift 1.5m to 3.0m	1			10.00	2.360	1.500	35.400		638.861	674.261
	(c) For Lift 3.0m to 4.5m	1			10.00	1.960	0.700	13.720		199.400	213.120
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.00	2.760	0.300	8.280		0.000	8.280
	(c) For Lift 3.0m to 4.5m	1			10.00	1.960	0.300	5.880		15.768	21.648
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			10.00	2.760	0.100	2.760		0.000	2.760
	(c) For Lift 3.0m to 4.5m	1			10.00	1.960	0.500	9.800		100.594	110.394
	(d) For Lift 4.5m to 6.0m	1			10.00	1.960	0.020	0.392		0.000	0.392
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			10.00	1.960	0.200	3.920		78.368	82.288
	Item No. 17 (b) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			10.00			10.000		85.000	95.000
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							106.592			
	Deduction										
	pipe area	1		0.785	10.00	1.230	1.230	11.88			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							3.92			
	Total = B							15.80			
	Net Qty = A - B							90.80		1746.835	1837.631
	CH1569.50	568.946	564.736	564.421			4.525	4.034			
	CH1579.50	567.978	564.750	564.435			3.543				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			10.00	2.760	0.300	8.280		197.876	206.156
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.00	2.760	1.200	33.120		691.864	724.984
	(b) For Lift 1.5m to 3.0m	1			10.00	2.360	0.900	21.240		674.261	695.501



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D Sewer Final 1000mm-MR

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			10.00	2.360	0.300	7.080		67.824	74.904
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(h) For Lift 1.5m to 3.0m	1			10.00	2.360	0.300	7.080		40.495	47.575
	(c) For Lift 3.0m to 4.5m	1			10.00	1.960	0.600	11.760		110.394	122.154
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			10.00	1.960	0.434	8.506		97.630	106.136
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			10.00	1.960	0.200	3.920		82.288	86.208
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			10.00			10.000		95.000	105.000
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							97.066			
	Deduction										
	pipe area	1		0.785	10.00	1.230	1.230	11.88			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							3.92			
	Total = B							15.80			
					Net Qty = A - B			81.27		1837.631	1918.901
	CH1579.50	567.978	564.750	564.435			3.543	3.412			
	CH1590.40	567.736	564.770	564.455			3.281				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			9.30	2.760	0.300	7.700		206.156	213.856
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.30	2.760	1.200	30.802		724.984	755.786
	(b) For Lift 1.5m to 3.0m	1			9.30	2.360	0.900	19.753		695.501	715.254
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			9.30	2.360	0.300	6.584		74.904	81.488
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			9.30	2.360	0.300	6.584		47.575	54.159
	(c) For Lift 3.0m to 4.5m	1			9.30	1.960	0.412	7.510		122.154	129.664
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			9.30	1.960	0.200	3.646		86.208	89.854
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			10.00			10.000		105.000	115.000
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							78.934			
	Deduction										
	pipe area	1		0.785	9.30	1.230	1.230	11.04			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							3.65			
	Total = B							14.69			
					Net Qty = A - B			64.24		1918.901	1983.145
	D 44						3.175	3.208			
	CH1590.40	567.736	564.876	564.561			3.240				
	CH1611.30	567.821	564.896	564.581							
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			19.30	2.760	0.300	15.980		213.856	229.837



Be

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, Zaita, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zaita, 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

D Sewer Final 1000mm-MB

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	HL	EXL							
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			19.30	2.760	1.200	63.922	755.786	819.707	
	(b) For Lift 1.5m to 3.0m	1			19.30	2.360	0.400	18.219	715.254	733.474	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			19.30	2.360	0.300	13.604	81.488	95.153	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			19.30	2.360	0.800	36.438	54.159	90.598	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			19.30	1.960	0.208	7.868	106.136	114.005	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			19.30	1.960	0.200	7.566	89.854	97.419	
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			20.00			20.000	115.000	135.000	
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							156.092			
	Deduction										
	pipe area	1		0.785	19.30	1.230	1.230	22.92			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							7.57			
	Total = B							30.49			
	Net Qty = A - B							125.61	1983.145	2108.750	
18/03/2016	CH1611.30	567.821	564.896	564.581			3.240	3.248			
	CH1631.30	567.870	564.930	564.615			3.255				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.760	0.300	16.560	229.837	246.397	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.760	1.200	66.240	819.707	885.947	
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.700	33.040	733.474	766.514	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.300	14.160	95.153	109.313	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.500	23.600	90.598	114.198	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			20.00	1.960	0.248	9.722	114.005	123.726	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			20.00	1.960	0.200	7.840	97.419	105.259	
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			20.00			20.000	135.000	155.000	
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							163.322			
	Deduction										
	pipe area	1		0.785	20.00	1.230	1.230	23.75			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							7.84			
	Total = B							31.59			



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Name of work:- Development of Underground Sewerage Collection System for Zone 1 and Zone Salim Ali, Constructing, Erecting, Testing and Commissioning of Sewerage Treatment Plant based on modern technology at Nakshtrawadi (Kancharwadi), 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 (RIP) pipe line from Gubwadi SPS to Nakshtrawadi (Kancharwadi) STP and Ward No.98 to STP for Aurangabad City.

O Sewer Final 1000mm-168

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
							131.73	2108.750	2240.479		
		Net Qty = A - B									
20/01/2015	CH1631.30	567.870	564.930	564.615		3.255	3.265				
	CH1651.30	567.910	564.950	564.635		3.275					
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.760	0.300	16.560	246.397	262.957	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.760	1.200	66.240	885.947	952.187	
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.800	37.760	766.514	804.274	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.300	14.160	109.313	123.473	
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	2.360	0.400	18.880	114.198	133.078	
	(c) For Lift 3.0m to 4.5m	1			20.00	1.960	0.265	10.388	129.664	140.052	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			20.00	1.960	0.200	7.840	105.259	113.099	
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			20.00			20.000	155.000	175.000	
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							163.988			
	Deduction										
	pipe area	1		0.785	20.00	1.230	1.230	23.75			
	soling							0.00			
	POC							7.84			
	Murrum bedding							31.59			
	Total = B							132.40	2240.479	2372.875	
		Net Qty = A - B									
22/03/2015	CH1651.30	567.910	564.950	564.635		3.275	3.322				
	CH1666.30	568.050	564.996	564.681		3.369					
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	2.760	0.300	12.420	262.957	275.377	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	2.760	1.200	49.688	952.187	1001.867	
	(b) For Lift 1.5m to 3.0m	1			15.00	2.360	0.600	21.240	804.274	825.514	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	2.360	0.500	17.700	123.473	141.173	
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	2.360	0.400	14.160	133.078	147.238	
	(c) For Lift 3.0m to 4.5m	1			15.00	1.960	0.322	9.467	140.052	149.519	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			15.00	1.960	0.200	5.880	113.099	118.979	
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			15.00			15.000	175.000	190.000	
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							124.667			
	Deduction										
	pipe area	1		0.785	15.00	1.230	1.230	17.81			
	soling							0.00			
	POC							0.00			



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D Sewer Final 1000mm-MB

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	Murrum bedding							5.88			
	Total = B							23.69			
								100.97	2372.875	2473.847	
										Net Qty = A - B	
22/03/2016	CH1606.30	568.050	564.996	564.681			3.369				
	CH1608.80	568.250	564.999	564.684			3.566	3.408			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			22.50	2.760	0.300	18.630		275.377	294.007
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			22.50	2.760	1.200	74.520		1001.867	1076.387
	(b) For Lift 1.5m to 3.0m	1			22.50	2.360	0.700	37.170		825.514	862.684
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			22.50	2.360	0.400	21.240		141.173	162.413
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			22.50	2.360	0.400	21.240		147.238	168.478
	(c) For Lift 3.0m to 4.5m	1			22.50	1.960	0.300	13.230		149.519	162.749
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			22.50	1.960	0.168	7.409		123.726	131.135
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)										
	(b) For Lift 1.5m to 3.0m	1			22.50	1.960	0.200	8.820		118.979	127.799
	Item No. 17 (b) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia										
	(b) For Lift 3.0m to 4.5m	1			22.50			22.500		190.000	212.500
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation = A							193.439			
	Deduction										
	pipe area	1		0.785	22.50	1.230	1.230	26.72			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							8.82			
	Total = B							35.54			
										Net Qty = A - B	
								157.90	2473.847	2631.744	
	D 4B									At Jaffer Gate/ Sunday Market	
06/04/2016	CH1990.00	571.791	569.416	569.101			2.690				
	CH2005.90	572.561	569.446	569.131			3.430	3.060			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.30	2.360	1.200	40.490		1076.387	1116.887
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.30	2.360	0.300	10.124		8.280	18.404
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			14.30	1.960	0.400	11.211		168.478	179.689
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			14.30	1.960	1.100	30.831		0.000	30.831
	(c) For Lift 3.0m to 4.5m	1			14.30	1.960	0.050	1.682		131.135	132.817
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)										
	(b) For Lift 1.5m to 3.0m	1			14.30	1.960	0.200	5.606		127.799	133.405
	Item No. 17 (b) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia										
	(b) For Lift 3.0m to 4.5m	1			15.00			15.000		212.500	227.500



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Ø Sewer final 1000mm-MB

Date	Particulars of work	DETAILS					Cost of affairs	Last measurement		Total Up to Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EXL							
	Item No 30 :- Refilling the excavated trenches										
	Total Excavations A						94.346				
	Deduction										
	pipe area	1		0.785	14.30	1.230	1.230		16.99		
	soiling								0.00		
	PCC								5.61		
	Murum bedding								22.59		
	Total = B						71.76		2631.744	2703.501	
										Net Qty = A - B	
09/04/2015	CH2005.90	572.561	569.446	569.131			3.430				
	CH2020.90	572.961	569.476	569.161			3.800		3.615		
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	2.760	1.100		45.540	1116.885	1162.425
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	2.760	0.400		16.560	18.404	34.964
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	2.360	0.400		14.160	179.609	193.849
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	2.360	1.100		38.940	30.831	69.771
	(c) For Lift 3.0m to 4.5m	1			15.00	1.960	0.615		18.081	132.817	150.898
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)				15.00	1.960	0.200		5.890	133.405	139.285
	Item No. 17 (b) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia				15.00				15.000	227.500	242.500
	Item No 30 :- Refilling the excavated trenches										
	Total Excavations A								133.281		
	Deduction										
	pipe area	1		0.785	15.00	1.230	1.230		17.81		
	soiling								0.00		
	PCC								0.00		
	Murum bedding								5.88		
	Total = B								23.69		
									109.59	2703.501	2813.088
											Net Qty = A - B
18/04/2015	CH2020.90	572.961	569.476	569.161			3.800		3.880		
	CH2035.90	573.151	569.506	569.191			3.960				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	2.760	1.200		49.680	1162.425	1212.105
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	2.760	0.300		12.420	34.964	47.384
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	2.360	0.650		23.010	193.849	216.859
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	2.360	0.850		30.090	69.771	99.861
	(c) For Lift 3.0m to 4.5m	1			15.00	1.960	0.880		25.872	150.898	176.770
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)				15.00	1.960	0.200		5.890	139.285	145.165



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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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D Sewer Final 1000mm-MB

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			15.00			15.000		242.500	257.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							141.072			
	Deduction										
	pipe area	1		0.785	15.00	1.230	1.230	17.81			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							5.88			
	Total = B							23.69			
	Net Qty = A - B							117.38		2813.088	2930.466
18/04/2016	CH2035.90	573.151	569.506	569.191			3.960				
	CH2050.90	572.971	569.536	569.221			3.750	3.855			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	2.760	0.500	20.700		1212.105	1232.805
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	2.760	0.400	16.560		47.384	63.944
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	2.760	0.600	24.840		2.760	27.600
	(b) For Lift 1.5m to 3.0m	1			15.00	2.360	0.300	10.620		216.859	227.479
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	2.360	1.200	42.480		99.861	142.341
	(c) For Lift 3.0m to 4.5m	1			15.00	1.960	0.855	25.137		176.770	201.907
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			15.00	1.960	0.200	5.880		145.165	151.045
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			15.00			15.000		257.500	272.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							140.337			
	Deduction										
	pipe area	1		0.785	15.00	1.230	1.230	17.81			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							5.88			
	Total = B							23.69			
	Net Qty = A - B							116.64		2930.466	3047.108
18/04/2016	CH2050.90	572.971	569.536	569.221			3.750				
	CH2069.30	573.051	569.571	569.256			3.795	3.773			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			16.80	2.760	0.000	0.000		294.007	294.007
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.80	2.760	0.500	23.184		1232.805	1255.989
	(b) For Lift 1.5m to 3.0m	1			16.80	2.360	0.000	0.000		862.684	862.684
	(c) For Lift 3.0m to 4.5m	1			16.80	1.960	0.000	0.000		213.120	213.120
	(d) For Lift 4.5m to 6.0m	1			16.80	1.960	0.000	0.000		35.338	35.338
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.80	2.760	0.400	18.547		63.944	82.492
	(b) For Lift 1.5m to 3.0m	1			16.80	2.360	0.000	0.000		162.413	162.413
	(c) For Lift 3.0m to 4.5m	1			16.80	1.960	0.000	0.000		21.648	21.648



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Name of work:- Designing of Underground Sewerage collection system for Zone I to VI and Zone Safim Ali, Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegason, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegason, 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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D Sewer Final 1000mm-M8

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EXL							
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			16.80	2.760	0.600	27.821	27.600	55.421	
	(b) For Lift 1.5m to 3.0m	1			16.80	2.360	0.000	0.000	227.479	227.479	
	(c) For Lift 3.0m to 4.5m	1			16.80	1.960	0.000	0.000	162.749	162.749	
	(d) For Lift 4.5m to 6.0m	1			16.80	1.960	0.000	0.000	0.392	0.392	
	Item No. 5 - Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			16.80	2.360	1.500	59.472	142.341	201.813	
	(c) For Lift 3.0m to 4.5m	1			16.80	1.960	0.773	25.453	201.907	227.360	
	(d) For Lift 4.5m to 6.0m	1			16.80	1.960	0.000	0.000	40.830	40.830	
	Item No. 7 - Filling in plinth and floors/ trenches etc complete.(bedding)	1			16.80	1.960	0.200	6.586	151.045	157.630	
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			17.50			17.500	272.500	290.000	
	Item No 30 - Refilling the excavated trenches										
	Total Excavation= A							154.477			
	Deduction										
	pipe area	1		0.785	16.80	1.230	1.230	19.95			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							6.59			
	Total = B							26.54			
	Net Qty = A - B							127.94	3047.108	3175.048	



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D Sewer Final 900-MB

9th R A BILL MEASUREMENTS
Sewer "D"

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EXL							
	D-Sewer-900mm Dia										
	Width of trench- For Bottom Lift 0.00-1.50m- 0.9+0.20+0.20+0.5=1.80m										
	From Bottom Lift 1.50-3.00m- 0.9+0.20+0.20+0.5+0.4+2.2m										
	From Bottom Lift 3.00-4.50m- 0.9+0.2+0.2+0.5+0.4+0.4= 2.6m										
	From Bottom Lift 4.50-6.0m- 0.9+0.20+0.20+0.5+0.4+0.4 + 0.4 = 3.0m										
	D 49										
										At Jaffer Gate	
06/05/2016	CH2069.30	573.051	570.250	569.935			3.116	3.113			
	CH2091.10	573.091	570.296	569.981			3.110				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft marum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.60	2.200	0.600	24.552	1255.989	1280.541	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.60	2.200	0.500	20.460	82.492	102.952	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock										
	(a) For Lift 0 to 1.5m	1			18.60	2.200	0.400	16.368	55.421	71.789	
	(b) For Lift 1.5m to 3.0m	1			18.60	1.800	0.300	10.044	227.479	237.523	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock										
	(b) For Lift 1.5m to 3.0m	1			18.60	1.800	1.200	40.176	201.813	241.989	
	(c) For Lift 3.0m to 4.5m	1			18.60	1.800	0.113	3.783	227.360	231.143	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			18.60	1.800	0.200	6.696	157.630	164.326	
	Item No. 17 (b) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			20.00			20.000	0.000	20.000	
	Item No 30 :- Refilling the excavated trenches -										
	Total Excavation= A							115.383			
	Deduction										
	pipe area	1		0.785	18.60	1.100	1.100	17.67			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							6.70			
	Total = B							24.36			
										Net Qty = A - B	
								91.02	3175.048	3266.018	
	D 50										
10/05/2016	CH2091.10	573.091	570.541	570.226			2.865	2.875			
	CH2112.00	573.151	570.581	570.266			2.885				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft marum etc complete.										
	(a) For Lift 0 to 1.5m	1			19.30	2.200	0.500	21.230	1280.541	1301.779	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			19.30	2.200	0.400	16.984	102.952	119.936	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock										
	(a) For Lift 0 to 1.5m	1			19.30	2.200	0.600	25.476	71.789	97.265	



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Name of work:- Devn of Underground Sewerage Collection system for Zone 1 to v3 and Zone Salim AE. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakharwadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping station 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 Nakharwadi (Kanchanwadi) STP and Ward No.98 to STP for Aarambhad Ch.

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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		CL	IL	EXL							
	(b) For Lift 1.5m to 3.0m	1			19.30	1.800	0.300	10.422		237.523	247.945
	Item No. 5 - Excavation for foundation/pipe trenches in Hard rock										
	(b) For Lift 1.5m to 3.0m	1			19.30	1.800	1.075	37.316		241.989	279.334
	Item No. 7 - Filling in plinth and floors/ trenches etc complete (bedding)	1			19.30	1.800	0.200	6.948		164.326	171.274
	Item No. 17 (b) - Lowering & Laying RCC NPS class pipe of 1000mm Dia	1			20.00			20.000		20.000	40.000
	Item No 30 - Refilling the excavated trenches										
	Total Excavation= A							111.458			
	Deduction										
	pipe area	1		0.785	19.30	1.100	1.100	18.33			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							6.95			
	Total = B							25.28			
					Net Qty = A - B			86.18		3266.068	3352.245
13/05/2016	CH2112.00	573.151	570.581	570.266				2.885	2.920		
	CH2132.00	573.261	570.621	570.306				2.955			
	Item No. 1 - Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.200	0.500	22.000		1301.771	1323.771
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.200	0.500	22.000		119.936	141.936
	Item No. 4- Excavation for foundation/pipe trenches in soft rock										
	(a) For Lift 0 to 1.5m	1			20.00	2.200	0.500	22.000		97.265	119.265
	(b) For Lift 1.5m to 3.0m	1			20.00	1.800	0.300	10.800		247.945	258.745
	Item No. 5 - Excavation for foundation/pipe trenches in Hard rock										
	(b) For Lift 1.5m to 3.0m	1			20.00	1.800	1.120	40.320		279.334	319.654
	Item No. 7 - Filling in plinth and floors/ trenches etc complete (bedding)	1			20.00	1.800	0.200	7.200		171.274	178.474
	Item No. 17 (b) - Lowering & Laying RCC NPS class pipe of 1000mm Dia	1			20.00			20.000		40.000	60.000
	Item No 30 - Refilling the excavated trenches										
	Total Excavation= A							117.120			
	Deduction										
	pipe area	1		0.785	20.00	1.100	1.100	19.00			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							7.20			
	Total = B							26.20			
					Net Qty = A - B			90.92		3352.245	3443.168
17/05/2016	CH2132.00	573.261	570.621	570.306				2.955	3.010		
	CH2132.00	573.411	570.661	570.346				3.065			
	Item No. 1 - Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.200	0.700	30.800		1323.771	1354.571
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murrum 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, Zaita, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zaita, 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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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	(a) For Lift 0 to 1.5m Item No. 4:- Excavation for foundation/pipe trenches in soft rock	1			20.00	2.200	0.800	35.200		141.936	177.136
	(b) For Lift 1.5m to 3.0m Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock	1			20.00	1.800	0.500	18.000		258.745	276.745
	(b) For Lift 1.5m to 3.0m (c) For Lift 3.0m to 4.5m	1			20.00	1.800	1.000	36.000		319.654	355.654
	(c) For Lift 3.0m to 4.5m Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			20.00	1.800	0.200	7.200		231.143	231.503
	Item No. 17 (h) :- Lowering & Laying RCC NP3 class pipe of 1000mm Dia	1			20.00			20.000		178.474	185.674
	Item No 30 :- Refilling the excavated trenches ...									60.000	80.000
	Total Excavation= A							120.360			
	Deduction										
	pipe area	1		0.785	20.00	1.100	1.100	19.00			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							7.20			
	Total = B							26.20			
					Net Qty = A - B			94.16		3443.168	3537.331
	D 55				At Shawaninagar						
21/04/2016	CH2390.00	575.718	573.133	572.833			2.885				
	CH2407.50	575.738	573.150	572.850			2.888	2.886			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.	1			17.50	2.200	1.300	50.050		1354.571	1404.621
	(a) For Lift 0 to 1.5m (b) For Lift 1.5m to 3.0m	1			17.50	2.200	0.200	7.700		177.136	184.836
	(b) For Lift 1.5m to 3.0m Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.	1			17.50	1.800	0.600	18.900		162.413	181.313
	(b) For Lift 1.5m to 3.0m Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.	1			17.50	1.800	0.400	12.600		276.745	289.345
	(b) For Lift 1.5m to 3.0m Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.50	1.800	0.200	6.300		355.654	367.813
	Item No. 17 (g) :- Lowering & Laying RCC NP3 class pipe of 900mm Dia	1			17.50			17.500		185.674	191.974
	Item No 30 :- Refilling the excavated trenches ...									80.000	97.500
	Total Excavation= A							101.409			
	Deduction										
	pipe area	1		0.785	17.50	1.100	1.100	16.62			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							6.30			
	Total = B							22.92			
					Net Qty = A - B			78.49		3537.331	3615.82
23/04/2016	CI2407.50	575.738	573.150	572.850			2.888				



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Name of work:- Installation of Sub-ground Sewerage Collection System for Zone 1 to 3 and Zone Sahim 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 GRP/DI pipe line from Golwadi SPS to Nakshirawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

D Sewer Final 900-M8

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	CH2425.00	575.778	573.167	572.867			2.911				
	Item No. 1 - Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			17.50	2.200	1.200	46.200	1404.621	1450.821	
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			17.50	2.200	0.300	11.550	184.836	196.386	
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			17.50	1.800	0.300	9.450	289.345	298.795	
	Item No. 5 - Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			17.50	1.800	1.099	34.619	367.813	402.432	
	Item No. 7 - Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.50	1.800	0.200	6.300	191.974	198.274	
	Item No. 17 (g) - Lowering & Laying RCC NP3 class pipe of 900mm Dia	1			17.50			17.500	97.500	115.000	
	Item No 30 - Refilling the excavated trenches ...										
	Total Excavation= A							101.819			
	Deduction										
	pipe area	1		0.785	17.50	1.100	1.100	16.62			
	siling							0.00			
	PCC							0.00			
	Murum bedding							6.30			
	Total = B							22.92			
								Net Qty = A - B	78.90	3615.818	3694.71
25/04/2016	CH2425.00	575.778	573.167	572.867			2.911				
	CH2442.50	575.928	573.184	572.884			3.044	2.977			
	Item No. 1 - Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			17.50	2.200	0.900	34.650	1450.821	1485.471	
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			17.50	2.200	0.300	11.550	196.386	207.936	
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			17.50	2.200	0.300	11.550	119.265	130.815	
	(b) For Lift 1.5m to 3.0m	1			17.50	1.800	0.400	12.600	298.795	311.395	
	Item No. 5 - Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(a) For Lift 1.5m to 3.0m	1			17.50	1.800	1.077	33.926	402.432	436.357	
	Item No. 7 - Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.50	1.800	0.200	6.300	198.274	204.574	
	Item No. 17 (g) - Lowering & Laying RCC NP3 class pipe of 900mm Dia	1			17.50			17.500	115.000	132.500	



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

Book No. :- 153
Page No. :-

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

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D Sewer Final 900-M8

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	Item No 30 > Refilling the excavated trenches ...										
	Total Excavation= A						104.276				
	Deduction										
	pipe area	1		0.785	17.50	1.100	1.100	16.62			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							6.30			
	Total = B							22.92			
				Net Qty = A - B				81.35	3694.714	3776.07	
25/04/2016	CH2442.50	575.928	573.184	572.884			3.044	3.001			
	CH2455.00	575.853	573.194	572.894			2.959				
	Item No. 1 > Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.50	2.200	0.900	24.750	1485.471	1510.221	
	Item No. 2 > Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.50	2.200	0.300	8.250	207.936	216.186	
	Item No. 4 > Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			12.50	2.200	0.300	8.250	130.815	139.065	
	(b) For Lift 1.5m to 3.0m	1			12.50	1.800	0.400	9.000	311.395	320.395	
	Item No. 5 > Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			12.50	1.800	1.100	24.750	436.357	461.107	
	(c) For Lift 3.0m to 4.5m	1			12.50	1.800	0.001	0.023	231.503	231.526	
	Item No. 7 > Filling in plinth and floors/ trenches etc complete.(bedding)	1			12.50	1.800	0.200	4.500	204.574	209.074	
	Item No. 17 (g) > Lowering & Laying RCC NP3 class pipe of 900mm Dia	1			12.50			12.500	132.500	145.000	
	Item No 30 > Refilling the excavated trenches ...										
	Total Excavation= A							75.023			
	Deduction										
	pipe area	1		0.785	12.50	1.100	1.100	11.87			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							4.50			
	Total = B							16.37			
				Net Qty = A - B				58.65	3776.067	3834.72	
25/04/2016	CH2455.00	575.853	573.194	572.894			2.959	3.033			
	CH2465.90	576.018	573.210	572.910			3.108				
	Item No. 1 > Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.30	2.200	1.300	26.598	1510.221	1536.819	
	Item No. 2 > Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.30	2.200	0.200	4.692	216.186	220.278	
	(b) For Lift 1.5m to 3.0m	1			9.30	1.800	0.700	11.718	181.313	193.891	



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

D Sewer Final 900-MB

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.										
	(b) For Lift 1.5m to 3.0m	1			9.30	1.800	0.300	5.022		320.395	325.417
	Item No. 5 - Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			9.30	1.800	0.500	8.370		461.107	469.477
	(c) For Lift 3.0m to 4.5m	1			9.30	1.800	0.033	0.552		231.526	232.078
	Item No. 7 - Filling in plinth and floors/ trenches etc complete (bedding)	1			9.30	1.800	0.200	3.348		209.074	212.422
	Item No. 17 (g) - Lowering & Laying RCC NP3 class pipe of 900mm Dia	1			10.00			10.000		145.000	155.000
	Item No 30 - Refilling the excavated trenches ...										
	Total Excavation= A							56.352			
	Deduction										
	pipe area	1		0.785	9.30	1.100	1.100	8.68			
	rolling							0.00			
	PCC							0.00			
	Murum bedding							3.35			
	Total = B							12.18			
								Net Qty = A - B			
	D 56							44.17		3834.716	3878.89
26/04/2016	CH2465.90	576.018	573.210	572.910				3.108			
	CH2489.30	576.258	573.233	572.933				3.325		3.217	
	Item No. 1 - Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			21.80	2.600	1.300	73.684		1536.819	1610.503
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			21.80	2.600	0.200	11.336		220.278	231.614
	(b) For Lift 1.5m to 3.0m	1			21.80	2.200	1.000	47.960		193.031	240.991
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			21.80	2.200	0.300	14.388		325.417	339.805
	Item No. 5 - Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			21.80	2.200	0.200	5.592		469.477	479.059
	(c) For Lift 3.0m to 4.5m	1			21.80	1.800	0.217	8.515		232.078	240.593
	Item No. 7 - Filling in plinth and floors/ trenches etc complete (bedding)	1			21.80	1.800	0.200	7.848		212.422	220.270
	Item No. 17 (g) - Lowering & Laying RCC NP3 class pipe of 900mm Dia	1			22.50			22.500		155.000	177.500
	Item No 30 - Refilling the excavated trenches ...										
	Total Excavation= A							165.475			
	Deduction										
	pipe area	1		0.785	21.80	1.100	1.100	20.71			
	rolling							0.00			
	PCC							0.00			
	Murum bedding							7.85			
	Total = B							28.55			



Signature

Name of work:- Development of Underground Sewerage Collection System for Zone 1 to 4 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.9K 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.9K to STP for Aurangabad City.

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

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D Sewer Final 900-MM

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
		Net Qty = A - B					136.92		3878.887	4015.81	
01/06/2016	CH2489.30	576.258	573.233	572.933		3.325					
	CH2504.30	576.410	573.345	573.045		3.365	3.345				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	2.600	0.400	15.600	294.007	309.607	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	2.600	1.100	42.900	1616.503	1653.403	
	(b) For Lift 1.5m to 3.0m	1			15.00	2.200	0.300	9.900	862.684	872.584	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	2.200	0.300	9.900	240.991	250.891	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	2.200	0.400	13.200	339.805	353.005	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	2.200	0.400	13.200	479.069	492.269	
	(c) For Lift 3.0m to 4.5m	1			15.00	1.800	0.345	9.315	240.593	249.908	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			15.00	1.800	0.200	5.400	220.270	225.670	
	Item No. 17 (g) :- Lowering & Laying RCC NP3 class pipe of 900mm Dia	1			15.00			15.000	177.500	192.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							114.015			
	Deduction										
	pipe area	1		0.785	15.00	1.100	1.100	14.25			
	rolling							0.00			
	PCC							0.00			
	Murrum bedding							5.40			
	Total = B							19.65			
		Net Qty = A - B					94.37		4015.808	4110.17	
10/05/2016	CH2504.30	576.410	573.345	573.045		3.365					
	CH2519.30	576.350	573.360	573.060		3.290	3.327				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	2.600	0.400	15.600	309.607	325.207	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.00	2.600	1.100	42.900	1653.403	1696.303	
	(b) For Lift 1.5m to 3.0m	1			15.00	2.200	0.300	9.900	872.584	882.484	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	2.200	0.300	9.900	250.891	260.791	



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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

D Sewer Final 900-MB

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Up to Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EXL							
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	2.200	0.200	6.600		353.005	359.605
	Item No. 5 -> Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			15.00	2.200	0.700	23.100		492.269	515.369
	(c) For Lift 3.0m to 4.5m	1			15.00	1.800	0.327	8.829		249.908	258.737
	Item No. 7 -> Filling in plinth and floors/ trenches etc complete.(bedding)	1			15.00	1.800	0.200	5.400		225.670	231.070
	Item No. 17 (g) :- Lowering & Laying RCC NP3 class pipe of 900mm Dia	1			15.00			15.000		192.500	207.500
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							116.829			
	Deduction										
	pipe area	1		0.785	15.00	1.100	1.100	14.25			
	soling							0.00			
	PCC							0.00			
	Murram bedding							5.40			
	Total = B							19.65			
	Net Qty = A - B							97.18		4110.175	4207.36
10/06/2016	CH2519.30	576.350	573.360	573.060			3.290				
	CH2539.30	576.400	573.380	573.080			3.320	3.305			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.600	0.400	20.800		325.207	346.007
	Item No. 1 -> Excavation for foundation/pipe trenches in all types of soil & soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.600	1.100	57.200		1696.303	1753.503
	(b) For Lift 1.5m to 3.0m	1			20.00	2.200	0.200	8.800		882.484	891.284
	Item No. 2 -> Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	2.200	0.500	22.000		260.791	282.791
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	2.200	0.600	26.400		359.605	386.005
	Item No. 5 -> Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	2.200	0.200	8.900		515.369	524.169
	(c) For Lift 3.0m to 4.5m	1			20.00	1.800	0.305	10.980		258.737	269.717
	Item No. 7 -> Filling in plinth and floors/ trenches etc complete.(bedding)	1			20.00	1.800	0.200	7.200		231.070	238.270
	Item No. 17 (g) :- Lowering & Laying RCC NP3 class pipe of 900mm Dia	1			20.00			20.000		207.500	227.500
	Item No 30 -> Refilling the excavated trenches										
	Total Excavation= A							154.900			
	Deduction										
	pipe area	1		0.785	20.00	1.100	1.100	19.00			



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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.

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

D Sewer Final 900-MB

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	soling							0.00			
	PCC							0.00			
	Murum bedding							7.20			
	Total = B							26.20			
								Net Qty = A - B			
								128.78			
21/08/2016	CH2539.30	576.400	573.380	573.080			3.320	3.410			
	CH2557.70	576.600	573.400	573.100			3.500				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			16.80	2.600	0.400	17.472		346.007	
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.80	2.600	1.100	48.048		1753.503	
	(b) For Lift 1.5m to 3.0m	1			16.80	2.200	0.300	11.088		891.284	
	(c) For Lift 3.0m to 4.5m	1			16.80	1.800	0.000	0.000		213.120	
	(d) For Lift 4.5m to 6.0m	1			16.80	1.800	0.000	0.000		35.338	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.80	2.600	0.000	0.000		231.614	
	(b) For Lift 1.5m to 3.0m	1			16.80	2.200	0.600	22.176		282.791	
	(c) For Lift 3.0m to 4.5m	1			16.80	1.800	0.000	0.000		21.648	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			16.80	2.600	0.000	0.000		139.065	
	(b) For Lift 1.5m to 3.0m	1			16.80	2.200	0.600	22.176		386.005	
	(c) For Lift 3.0m to 4.5m	1			16.80	1.800	0.410	12.398		162.749	
	(d) For Lift 4.5m to 6.0m	1			16.80	1.800	0.000	0.000		0.392	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			16.80	2.200	0.000	0.000		524.169	
	(c) For Lift 3.0m to 4.5m	1			16.80	1.800	0.000	0.000		269.717	
	(d) For Lift 4.5m to 6.0m	1			16.80	1.800	0.000	0.000		40.830	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
		1			16.80	1.800	0.200	6.048		238.270	
	Item No. 17 (g) :- Lowering & Laying RCC NP3 class pipe of 900mm Dia										
		1			17.50			17.500		227.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							133.358			
	Deduction										
	pipe area	1		0.785	16.80	1.100	1.100	15.96			
	soling							0.00			
	PCC							0.00			
	Murum bedding							6.05			
	Total = B							22.01			
								Net Qty = A - B			
								111.35			
									4336.139	4447.49	



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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 Naksharwadi (Kancharwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Constructing, 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 (RP-1X) pipe line from Golwadi SPS to Naksharwadi (Kancharwadi) STP and Ward No.98 to

Book No. :-
Page No. :-

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© Sewer Final 800-M8

9th R.A BILL MEASUREMENTS

Sewer "D"

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
D Sewer-800mm Dia- Near Smashan Maruti Mandir											
	Width of trench- For Bottom Lift 0.00-1.50m- 0.8+0.19+0.19+0.5=1.68m										
	From Bottom Lift 1.50-3.00m- 0.8+0.19+0.19+0.5+0.4=2.08m										
	From Bottom Lift 3.00-4.50m- 0.8+0.19+0.19+0.5+0.4+0.4 = 2.48m										
	From Bottom Lift 4.50-6.0m- 0.8+0.19+0.19+0.5+0.4+0.4+0.4 = 2.80m										
	D 68										
30/04/2016	CH2950.00	579.555	577.330	577.035			2.520	2.590			
	CH2965.95	579.725	577.360	577.065			2.660				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			14.35	2.080	0.300	8.954	363.479	372.433	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			14.35	2.080	1.000	29.848	1801.551	1831.399	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.35	2.080	0.200	5.970	231.614	237.583	
	(b) For Lift 1.5m to 3.0m	1			14.35	1.680	0.500	12.054	304.967	317.021	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			14.35	1.680	0.300	7.232	408.181	415.413	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			14.35	1.680	0.290	6.991	524.169	531.161	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)										
	(b) For Lift 1.5m to 3.0m	1			14.35	1.680	0.200	4.822	244.318	249.140	
	Item No 17 (f) :- Lowering & Laying RCC NP3 class pipe of 800mm Dia										
	(b) For Lift 1.5m to 3.0m	1			15.00			15.000	0.000	15.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A =							71.050			
	Deduction										
	pipe area	1.00		0.785	14.35	0.990	0.990	11.04			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							4.82			
	Total = B							15.86			
	Net Qty = A - B							55.19	4447.492	4502.68	
03/05/2016	CH2965.95	579.725	577.360	577.065			2.660	2.802			
	CH2978.45	580.035	577.385	577.090			2.945				



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D Sewer Final 800- MB

	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.												
	(a) For Lift 0 to 1.5m	1			12.50	2.080	0.300	7.800				372.433	380.233
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc												
	(a) For Lift 0 to 1.5m	1			12.50	2.080	0.700	18.200				1831.399	1849.599
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.												
	(a) For Lift 0 to 1.5m	1			12.50	2.000	0.500	13.000				237.583	250.583
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.												
	(b) For Lift 1.5m to 3.0m	1			12.50	1.680	0.800	16.800				415.413	432.213
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.												
	(b) For Lift 1.5m to 3.0m	1			12.50	1.680	0.502	10.542				531.161	541.703
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)												
		1			12.50	1.680	0.200	4.200				249.140	253.340
	Item No 17 (f) :- Lowering & Laying RCC NP3 class pipe of 800mm Dia												
		1			12.50			12.500				15.000	27.500
	Item No 30 :- Refilling the excavated trenches ...												
	Total Excavation = A =												
	Deduction												
	pipe area	1.00			0.785	12.50	0.990	0.990				9.62	
	soling											0.00	
	PCC											0.00	
	Murrum bedding											4.20	
	Total = B											13.82	
	Net Qty = A - B											52.52	
												4502.680	4555.20
15/05/2016	CH2978.45	580.035	577.385	577.090				2.945					
	CH2990.95	580.520	577.425	577.130				3.390	3.167				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.												
	(a) For Lift 0 to 1.5m	1			12.50	2.080	0.300	7.800				380.233	388.033
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc												
	(a) For Lift 0 to 1.5m	1			12.50	2.080	0.700	18.200				1849.599	1867.799
	(b) For Lift 1.5m to 3.0m	1			12.50	1.680	0.000	0.000				902.372	902.372
	(c) For Lift 3.0m to 4.5m	1			12.50	1.680	0.000	0.000				213.120	213.120
	(d) For Lift 4.5m to 6.0m	1			12.50	1.680	0.000	0.000				35.338	35.338
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.												
	(a) For Lift 0 to 1.5m	1			12.50	2.080	0.500	13.000				250.583	263.583
	(b) For Lift 1.5m to 3.0m	1			12.50	1.680	0.000	0.000				317.021	317.021
	(c) For Lift 3.0m to 4.5m	1			12.50	1.680	0.000	0.000				21.648	21.648
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.												
	(a) For Lift 0 to 1.5m	1			12.50	2.080	0.000	0.000				139.065	139.065



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D Sewer Final Dewatering

9th R A BILL MEASUREMENTS
Sewer "D" - Dewatering

Sr.No.	Date	Pump Capacity in Hp	No. of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
D-1200mm SAMARTH NAGAR PART-1							
1	09/01/2016	6.5	1	7:00	10:30	3:30	22:45:00
		6.5	1	12:30	14:30	2:00	13:00:00
		6.5	1	16:00	18:00	2:00	13:00:00
		6.5	1	9:30	12:30	3:00	19:30:00
		6.5	1	14:00	16:00	2:00	13:00:00
		6.5	1	17:00	18:30	1:30	9:45:00
2	10/01/2016	6.5	1	8:30	11:30	3:00	19:30:00
		6.5	1	12:00	14:00	2:00	13:00:00
		6.5	1	15:00	17:00	2:00	13:00:00
		6.5	1	7:30	12:03	4:33	29:34:30
		6.5	1	14:30	16:30	2:00	13:00:00
		6.5	1	17:00	18:30	1:30	9:45:00
3	11/01/2016	6.5	1	10:00	13:00	3:00	19:30:00
		6.5	1	14:00	15:30	1:30	9:45:00
		6.5	1	16:00	18:30	2:30	16:15:00
		6.5	1	7:30	11:30	4:00	26:00:00
		6.5	1	12:00	14:30	2:30	16:15:00
		6.5	1	15:00	17:00	2:00	13:00:00
4	12/01/2016	6.5	1	7:00	11:00	4:00	26:00:00
		6.5	1	12:30	15:30	3:00	19:30:00
		6.5	1	16:30	18:00	1:30	9:45:00
		6.5	1	8:30	13:30	5:00	32:30:00
		6.5	1	14:00	16:00	2:00	13:00:00
		6.5	1	16:30	18:30	2:00	13:00:00
		6.5	1	9:30	12:30	3:00	19:30:00
		6.5	1	14:30	18:30	4:00	26:00:00
5	13/01/2016	6.5	1	9:30	13:30	4:00	26:00:00
		6.5	1	14:00	16:00	2:00	13:00:00
		6.5	1	17:00	18:30	1:30	9:45:00
		6.5	1	7:30	11:30	4:00	26:00:00
		6.5	1	12:30	14:30	2:00	13:00:00
		6.5	1	15:30	17:30	2:00	13:00:00
		6.5	1	8:00	12:30	4:30	29:15:00
		6.5	1	13:00	16:00	3:00	19:30:00
		6.5	1	17:00	18:00	1:00	6:30:00
6	14/01/2016	6.5	1	7:00	10:00	3:00	19:30:00
		6.5	1	12:00	15:00	3:00	19:30:00
		6.5	1	16:00	17:00	1:00	6:30:00
		6.5	1	8:30	11:30	3:00	19:30:00
		6.5	1	13:00	14:00	1:00	6:30:00
		6.5	1	15:30	17:30	2:00	13:00:00
7	15/01/2016	6.5	1	10:30	13:30	3:00	19:30:00



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D Sewer Final Dewatering

Sr.No.	Date	Pump Capacity in Hp	No. of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		6.5	1	14:00	16:00	2:00	13:00:00
		6.5	1	17:00	18:30	1:30	9:45:00
		6.5	1	9:30	12:30	3:00	19:30:00
		6.5	1	14:30	16:30	2:00	13:00:00
		6.5	1	17:00	18:00	1:00	6:30:00
8	16/01/2016	6.5	1	9:30	12:30	3:00	19:30:00
		6.5	1	14:00	16:30	2:30	16:15:00
		6.5	1	17:00	18:30	1:30	9:45:00
		6.5	1	7:30	11:30	4:00	26:00:00
		6.5	1	13:00	16:30	3:30	22:45:00
D-1200mm NIRALA BAZAR SITE							
1	24/12/2015	10	1	7:00	10:30	3:30	35:00:00
		10	1	12:00	13:30	1:30	15:00:00
		10	1	14:30	16:00	1:30	15:00:00
		6.5	1	8:30	11:30	3:00	19:30:00
		6.5	1	13:30	15:30	2:00	13:00:00
		6.5	1	16:00	18:00	2:00	13:00:00
2	25/12/2015	10	1	8:00	12:00	4:00	40:00:00
		10	1	13:30	15:30	2:00	20:00:00
		10	1	16:00	17:15	1:15	12:30:00
		6.5	1	7:30	11:30	4:00	26:00:00
		6.5	1	13:00	15:00	2:00	13:00:00
3	15/02/2016	10	1	9:30	12:30	3:00	30:00:00
		10	1	13:00	16:00	3:00	30:00:00
		10	1	17:00	18:30	1:30	15:00:00
		6.5	1	7:30	11:30	4:00	26:00:00
		6.5	1	12:00	14:30	2:30	16:15:00
		6.5	1	15:00	17:00	2:00	13:00:00
4	16/02/2016	10	1	7:00	11:30	4:30	45:00:00
		10	1	12:00	14:00	2:00	20:00:00
		10	1	15:00	16:30	1:30	15:00:00
		6.5	1	8:30	12:30	4:00	26:00:00
		6.5	1	13:00	15:00	2:00	13:00:00
		6.5	1	15:30	16:30	1:00	6:30:00
5	17/02/2016	10	1	9:30	13:30	4:00	40:00:00
		10	1	14:00	16:00	2:00	20:00:00
		10	1	16:30	17:30	1:00	10:00:00
		6.5	1	7:30	11:30	4:00	26:00:00
		6.5	1	13:00	15:00	2:00	13:00:00
		6.5	1	16:00	17:00	1:00	6:30:00
		6.5	1	17:30	18:30	1:00	6:30:00
6	18/02/2016	10	1	10:00	14:00	4:00	40:00:00
		10	1	15:30	17:30	2:00	20:00:00
		10	1	18:00	18:30	0:30	5:00:00
7	19/02/2016	10	1	7:00	11:30	4:30	45:00:00



Be

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		10	1	12:00	15:00	3:00	30:00:00
		10	1	16:30	17:30	1:00	10:00:00
8	20/02/2016	10	1	8:00	12:30	4:30	45:00:00
		10	1	13:00	15:00	2:00	20:00:00
		10	1	15:30	17:30	2:00	20:00:00
9	21/02/2016	10	1	9:30	13:30	4:00	40:00:00
		10	1	14:00	16:00	2:00	20:00:00
		10	1	16:30	18:30	2:00	20:00:00
10	22/02/2016	10	1	7:30	11:30	4:00	40:00:00
		10	1	12:00	14:30	2:30	25:00:00
		10	1	15:00	18:00	3:00	30:00:00
11	23/02/2016	10	1	10:30	13:30	3:00	30:00:00
		10	1	14:00	16:30	2:30	25:00:00
		10	1	17:00	18:00	1:00	10:00:00
12	24/02/2016	10	1	8:30	11:30	3:00	30:00:00
		10	1	12:00	14:00	2:00	20:00:00
		10	1	15:30	17:30	2:00	20:00:00
D-1000mm Chunabhatti (PART-1)							
1	08/03/2016	7.5	1	15:30	17:00	1:30	11:15:00
2	09/03/2016	7.5	1	9:30	11:00	1:30	11:15:00
		7.5	1	13:30	16:40	3:10	23:45:00
3	10/03/2016	7.5	1	9:30	12:40	3:10	23:45:00
		7.5	1	14:30	17:35	3:05	23:07:30
		5	1	14:30	17:35	3:05	15:25:00
4	11/03/2016	7.5	1	9:10	13:50	4:40	35:00:00
		7.5	1	14:45	18:50	4:05	30:37:30
		5	1	9:00	13:50	4:50	24:10:00
		5	1	14:30	18:50	4:20	21:40:00
5	12/03/2016	7.5	1	8:50	13:40	4:50	36:15:00
		7.5	1	14:10	18:40	4:30	33:45:00
		5	1	9:00	13:40	4:40	23:20:00
		5	1	14:15	18:30	4:15	21:15:00
6	13/03/2016	7.5	1	8:40	13:30	4:50	36:15:00
		7.5	1	14:10	18:35	4:25	33:07:30
		5	1	8:50	13:30	4:40	23:20:00
		5	1	14:20	18:35	4:15	21:15:00
7	14/03/2016	7.5	1	8:50	13:35	4:45	35:37:30
		7.5	1	14:30	18:30	4:00	30:00:00
		5	1	9:00	13:30	4:30	22:30:00
		5	1	14:40	18:30	3:50	19:10:00
8	17/03/2016	15	1	9:30	13:40	4:10	62:30:00
		15	1	14:30	18:10	3:40	55:00:00
		7.5	1	9:00	13:30	4:30	33:45:00
		7.5	1	14:40	16:20	1:40	12:30:00
9	18/03/2016	15	1	8:30	13:30	5:00	75:00:00



Signature

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D Sewer Final Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		15	1	14:30	15:40	1:10	17:30:00
		7.5	1	9:30	13:10	3:40	27:30:00
		7.5	1	14:40	18:30	3:50	28:45:00
10	19/03/2016	15	1	8:40	13:20	4:40	70:00:00
		15	1	14:30	16:20	1:50	27:30:00
		7.5	1	9:00	13:10	4:10	31:15:00
		7.5	1	14:20	18:00	3:40	27:30:00
11	20/03/2016	15	1	9:30	13:10	3:40	55:00:00
		15	1	14:30	18:30	4:00	60:00:00
		7.5	1	9:40	13:00	3:20	25:00:00
		7.5	1	14:40	18:20	3:40	27:30:00
12	21/03/2016	15	1	9:40	11:50	2:10	32:30:00
		15	1	15:10	18:20	3:10	47:30:00
		7.5	1	9:00	12:10	3:10	23:45:00
		7.5	1	14:40	18:20	3:40	27:30:00
13	22/03/2016	7.5	1	8:50	11:50	3:00	22:30:00
		7.5	1	12:10	13:10	1:00	7:30:00
		7.5	1	14:30	16:30	2:00	15:00:00
		7.5	1	16:40	18:10	1:30	11:15:00
		15	1	9:15	12:15	3:00	45:00:00
		15	1	12:30	13:00	0:30	7:30:00
		15	1	14:10	16:30	2:20	35:00:00
		15	1	17:00	18:00	1:00	15:00:00
14	26/03/2016	7.5	1	9:30	11:00	1:30	11:15:00
		7.5	1	11:30	13:30	2:00	15:00:00
		7.5	1	14:00	16:30	2:30	18:45:00
		7.5	1	16:45	18:15	1:30	11:15:00
		15	1	9:00	11:30	2:30	37:30:00
		15	1	11:40	13:10	1:30	22:30:00
		15	1	14:30	17:30	3:00	45:00:00
15	27/03/2016	15	1	8:50	11:00	2:10	32:30:00
		15	1	11:30	13:15	1:45	26:15:00
		15	1	14:40	17:40	3:00	45:00:00
		7.5	1	9:10	12:10	3:00	22:30:00
		7.5	1	14:30	18:00	3:30	26:15:00
D LINE -1000 mm (PART-2)							
1	09/03/2016	7.5	1	11:00	13:00	2:00	15:00:00
		7.5	1	14:00	17:00	3:00	22:30:00
2	10/03/2016	7.5	1	10:20	13:20	3:00	22:30:00
		7.5	1	14:10	18:30	4:20	32:30:00
3	11/03/2016	7.5	1	9:10	13:15	4:05	30:37:30
		7.5	1	14:05	18:35	4:30	33:45:00
4	12/03/2016	7.5	1	9:00	13:15	4:15	31:52:30
		7.5	1	14:10	18:40	4:30	33:45:00
5	13/03/2016	7.5	1	8:20	13:25	5:05	38:07:30



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D Sewer Final Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		7.5	1	14:15	18:40	4:25	33:07:30
6	14/03/2016	7.5	1	8:10	13:35	5:25	40:37:30
		7.5	1	14:10	18:45	4:35	34:22:30
7	15/03/2016	7.5	1	8:35	13:20	4:45	35:37:30
		7.5	1	14:10	18:35	4:25	33:07:30
8	16/03/2016	7.5	1	8:15	13:20	5:05	38:07:30
		7.5	1	14:10	18:35	4:25	33:07:30
9	17/03/2016	7.5	1	9:10	13:15	4:05	30:37:30
		7.5	1	14:10	18:40	4:30	33:45:00
10	18/03/2016	7.5	1	9:00	13:15	4:15	31:52:30
		7.5	1	14:10	18:45	4:35	34:22:30
11	19/03/2016	5	1	9:30	13:20	3:50	19:10:00
		5	1	14:10	18:50	4:40	23:20:00
12	20/03/2016	5	1	9:20	13:30	4:10	20:50:00
		5	1	14:15	18:45	4:30	22:30:00
13	21/03/2016	5	1	9:30	13:20	3:50	19:10:00
		5	1	14:30	18:00	3:30	17:30:00
14	22/03/2016	5	1	9:10	11:15	2:05	10:25:00
		5	1	11:30	13:15	1:45	8:45:00
		5	1	14:40	16:40	2:00	10:00:00
		5	1	17:00	17:40	0:40	3:20:00
15	26/03/2016	5	1	9:00	12:30	3:30	17:30:00
		5	1	13:50	15:30	1:40	8:20:00
		5	1	15:40	17:40	2:00	10:00:00
16	27/03/2016	7.5	1	9:10	13:15	4:05	30:37:30
		7.5	1	14:05	16:30	2:25	18:07:30
		7.5	1	16:45	17:45	1:00	7:30:00
17	28/03/2016	7.5	1	8:30	10:30	2:00	15:00:00
		7.5	1	11:00	13:00	2:00	15:00:00
		7.5	1	14:20	17:20	3:00	22:50:00
		7.5	1	17:30	18:10	0:40	5:00:00
18	29/03/2016	7.5	1	8:20	10:30	2:10	16:15:00
		7.5	1	10:50	13:10	2:20	17:30:00
		7.5	1	14:10	16:40	2:30	18:45:00
		7.5	1	17:00	18:30	1:30	11:15:00
19	30/03/2016	5	1	8:30	11:10	2:40	13:20:00
		5	1	12:30	13:10	0:40	3:20:00
		7.5	1	8:40	12:30	3:50	28:45:00
		7.5	1	14:10	17:30	3:20	25:00:00
20	31/03/2016	5	1	8:40	11:50	3:10	15:50:00
		5	1	14:00	16:30	2:30	17:30:00
		7.5	1	8:30	11:10	2:40	20:00:00
		7.5	1	12:30	13:20	0:50	6:15:00
		7.5	1	15:00	17:35	2:35	19:22:30
21	01/04/2016	7.5	1	8:30	10:40	2:10	16:15:00



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D Sewer Final Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		7.5	1	16:15	18:35	2:20	17:30:00
9	14/04/2016	7.5	1	9:00	12:30	3:30	26:15:00
		7.5	1	13:50	15:30	1:40	12:30:00
		7.5	1	15:40	17:50	2:10	16:15:00
10	15/04/2016	7.5	1	8:30	10:35	2:05	15:37:30
		7.5	1	11:10	13:20	2:10	16:15:00
		7.5	1	14:20	17:40	3:20	25:00:00
11	16/04/2016	7.5	1	8:20	11:10	2:50	21:15:00
		7.5	1	12:10	13:20	1:10	8:45:00
		7.5	1	14:40	15:50	1:10	8:45:00
		7.5	1	16:20	18:40	2:20	17:30:00
12	17/04/2016	7.5	1	9:05	12:10	3:05	23:07:30
		7.5	1	13:00	14:10	1:10	8:45:00
		7.5	1	15:00	16:15	1:15	9:22:30
		7.5	1	16:40	18:30	1:50	13:45:00
13	18/04/2016	7.5	1	8:20	10:25	2:05	15:37:30
		7.5	1	11:00	13:10	2:10	16:15:00
		7.5	1	14:30	18:00	3:30	26:15:00
14	19/04/2016	7.5	1	8:20	11:30	3:10	23:45:00
		7.5	1	12:10	13:10	1:00	7:30:00
		7.5	1	14:20	15:30	1:10	8:45:00
		7.5	1	16:15	18:35	2:20	17:30:00
15	20/04/2016	7.5	1	8:10	11:05	2:55	21:52:30
		7.5	1	12:10	13:20	1:10	8:45:00
		7.5	1	14:30	15:45	1:15	9:22:30
		7.5	1	16:10	18:30	2:20	17:30:00
16	21/04/2016	7.5	1	8:10	11:40	3:30	26:15:00
		7.5	1	12:20	13:10	0:50	6:15:00
		7.5	1	14:00	16:15	2:15	16:52:30
		5	1	8:00	11:10	3:10	15:50:00
		5	1	14:00	16:30	2:30	12:30:00
17	22/04/2016	7.5	1	8:20	11:30	3:10	23:45:00
		7.5	1	12:00	13:30	1:30	11:15:00
		7.5	1	14:20	15:30	1:10	8:45:00
		7.5	1	16:30	17:50	1:20	10:00:00
		5	1	8:30	12:00	3:30	17:30:00
		5	1	14:00	16:10	2:10	10:50:00
		5	1	17:00	18:35	1:35	7:55:00
18	23/04/2016	7.5	1	8:30	10:35	2:05	15:37:30
		7.5	1	11:10	13:20	2:10	16:15:00
		7.5	1	14:20	17:40	3:20	25:00:00
		5	1	8:20	12:30	4:10	20:50:00
		5	1	14:10	15:30	1:20	6:40:00
		5	1	16:20	18:30	2:10	10:50:00
19	24/04/2016	7.5	1	9:00	12:30	3:30	26:15:00



Signature

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, Padegann, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO, Alenori. Providing, lowering, laying jointing and testing rising main

8

D Sewer Final Dewatering

Sr.No.	Date	Pump Capacity in Hp	No. of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		7.5	1	13:50	15:30	1:40	12:30:00
		7.5	1	15:40	17:50	2:10	16:15:00
		5	1	9:30	13:00	3:30	17:30:00
		5	1	15:00	16:40	1:40	8:20:00
		5	1	17:10	18:30	1:20	6:40:00
20	25/04/2016	7.5	1	8:10	11:15	3:05	23:07:30
		7.5	1	12:10	13:20	1:10	8:45:00
		7.5	1	14:30	15:45	1:15	9:22:30
		7.5	1	16:10	18:30	2:20	17:30:00
		5	1	8:20	11:30	3:10	15:50:00
		5	1	12:00	13:30	1:30	7:30:00
		5	1	14:20	15:30	1:10	5:50:00
		5	1	16:30	17:50	1:20	6:40:00
21	26/04/2016	7.5	1	8:20	11:30	3:10	23:45:00
		7.5	1	12:10	13:20	1:10	8:45:00
		7.5	1	14:30	15:45	1:15	9:22:30
		7.5	1	16:30	17:50	1:20	10:00:00
		5	1	8:20	11:30	3:10	15:50:00
		5	1	12:10	13:30	1:20	6:40:00
		5	1	16:10	18:40	2:30	12:30:00
22	27/04/2016	7.5	1	8:10	11:15	3:05	23:07:30
		7.5	1	12:00	13:30	1:30	11:15:00
		7.5	1	16:10	18:35	2:25	18:07:30
		5	1	8:20	11:30	3:10	15:50:00
		5	1	12:10	13:20	1:10	5:50:00
		5	1	14:20	15:45	1:25	7:05:00
		5	1	16:30	17:50	1:20	6:40:00
23	28/04/2016	15	1	8:30	10:40	2:10	32:30:00
		15	1	11:10	13:15	2:05	31:15:00
		15	1	14:35	16:45	2:10	32:30:00
		15	1	17:30	18:40	1:10	17:30:00
		5	1	8:40	12:00	3:20	16:40:00
		5	1	13:10	14:15	1:05	5:25:00
		5	1	15:00	16:40	1:40	8:20:00
		5	1	17:10	18:30	1:20	6:40:00
24	29/04/2016	15	1	8:30	11:40	3:10	47:30:00
		15	1	12:30	13:30	1:00	15:00:00
		15	1	15:00	16:10	1:10	17:30:00
		15	1	17:20	18:35	1:15	18:45:00
		7.5	1	8:40	11:50	3:10	23:45:00
		7.5	1	12:15	13:20	1:05	8:07:30
		7.5	1	14:10	15:30	1:20	10:00:00
		7.5	1	16:00	17:10	1:10	8:45:00
		7.5	1	17:40	18:30	0:50	6:15:00
25	30/04/2016	15	1	9:00	11:15	2:15	33:45:00



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

Book No. :-

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Page No. :-

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

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

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D Sewer Final Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		15	1	12:30	13:30	1:00	15:00:00
		15	1	15:00	16:35	1:35	23:45:00
		15	1	17:30	18:40	1:10	17:30:00
		7.5	1	8:20	11:10	2:50	21:15:00
		7.5	1	12:00	13:30	1:30	11:15:00
		7.5	1	14:20	16:10	1:50	13:45:00
		7.5	1	17:00	18:30	1:30	11:15:00
D LINE -900mm at Bhawaninagar							
1	18/04/2016	15	1	9:00	12:00	3:00	45:00:00
		15	1	15:00	16:00	1:00	15:00:00
2	19/04/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
3	20/04/2016	15	1	8:30	12:30	4:00	60:00:00
		15	1	15:00	16:00	1:00	15:00:00
4	21/04/2016	15	1	8:00	12:00	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
5	22/04/2016	15	1	9:00	12:00	3:00	45:00:00
		15	1	15:00	16:00	1:00	15:00:00
		15	1	17:00	18:00	1:00	15:00:00
6	23/04/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	13:00	15:00	2:00	30:00:00
		15	1	17:00	18:30	1:30	22:30:00
7	24/04/2016	15	1	7:30	11:30	4:00	60:00:00
		15	1	14:00	15:00	1:00	15:00:00
8	25/04/2016	15	1	9:00	10:00	1:00	15:00:00
		15	1	12:00	14:00	2:00	30:00:00
9	26/04/2016	15	1	9:00	10:00	1:00	15:00:00
		15	1	12:00	14:00	2:00	30:00:00
		15	1	16:00	17:30	1:30	22:30:00
10	27/04/2016	15	1	8:00	9:00	1:00	15:00:00
		15	1	10:00	12:00	2:00	30:00:00
		15	1	15:00	17:00	2:00	30:00:00
Total						962:08:00	7985:37:00
							7985.617



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Name of Work:- Disposal of excavated material in trucks / tractors and unloading the same at a distance of 10 KMS as directed by engineer-in-charge. and Zone Salim Ali, Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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

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

1

D Sewer Final Disposal qty

9th R A BILL MEASUREMENTS

Sewer "D"

Item No. 11									
Disposal of excavated material including loading the excavated material in trucks / tractors and unloading the same at a distance of 10 KMS as directed by engineer-in-charge.									
SR.NO.	Particulars of work	DETAILS							Total Qty. Of Disposal
		UNIT	NO	L	B	D	QTY		
1	1200mm Dia								
	Pipe volume	Cum	0.785	655.00	1.450	1.450	1081.05	1369.25	
	Murum bedding	Cum		655.00	2.200	0.200	288.20		
Total								1369.253	



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/DF 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

1

D Sewer Final Manhole

9th RA BILL MEASUREMENTS
SEWER "D"

ITEM No: 22 Providing and constructing on sewer, R.C.C circular manhole 2.2 m dia and up to a depth of 5 M of Reinforced Cement

Sr.No.	Reference (MB no. & Page no.)	Chainage	MH No	MTL	IL	Depth	Depth Difference than 5 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1		61.200	D 2	560.225	554.025				
2		127.400	D 3	560.230	554.280	6.20	1.20	2.16	4.320
3		223.600	D 4	560.610	555.010	5.95	0.95		
4		250.000	D 5	560.605	555.055	5.60	0.60		
5		283.700	D 6	560.325	555.175	5.55	0.55		
6		430.600	D 9	561.515	556.415	5.15	0.15		
7		481.800	D 10	561.600	556.500	5.10	0.10		
8		596.100	D 11	562.350	557.250	5.10	0.10		
9		1491.800	D 42	568.876	564.676	4.20	-0.80		
10		1513.600	D 43	569.096	564.696	4.40	-0.60		
11		1590.400	D 44	569.080	564.770	4.31	-0.69		
12		2465.900	D 56	578.710	573.210	5.50	0.50		



Be

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

Book No. :-

Page No. :-

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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

1

D Sewer Final Extra Work

**9th R A BILL MEASUREMENTS
SEWER "D"**

Obstacles Removing/Breaking and Reconstruction							
Sr.No.	Description	Unit	No.	Length	Width	Height	Quantity
A	ITEM NO. 1 :- Excavation for foundation/pipe trenches in earth soils of all types sand gravel and soft murum, manually or by using mechanical means including & removing the excavated materials, up to a distance of 50.0 m beyond the area, and lifts as below. Stacking and spreading as directed by engineer-in-charge, normal dewatering preparing the bed for foundation and excluding back filling etc complete.						
	Pipe Culvert at Nirala Bazar	Cum	1	10.00	2.95	1.80	53.100
B	Item No. 4 :-Excavation for foundation/pipe trenches in soft rock and old cement and lime masonry foundation asphalt road manually or by using mechanical means including & removing the excavated materials, up to a distance of 50.0 m beyond the area, and lifts as below. Stacking and spreading as directed,						
	Pipe Culvert at Nirala Bazar	Cum	2	2.95	0.50	1.80	5.310
C Item No 15:- Supply of RCC Pipes							
	1 Supply of RCC Pipes of 1200mm dia NP3 pipe for Pipe culvert	Rmt	8	2.50			20.000
D Item No 17:- Laying of RCC Pipes Item							
	1 Laying of RCC Pipes of 1200mm dia NP3 pipe for Pipe culvert	Rmt	8	2.50			20.000
E	ITEM NO. 30 :- Refilling the trenches with available excavated material with soft material first over pipeline and then hard material in 15 cm layer with all leads and lifts including consolidation, surcharging etc. complete	Cum	1	10.00	2.95	1.80	53.100
	Deduction for Pipe Area	Cum	1	20.00	0.79	2.90	-45.530
							7.570



Name of work:- Development of Underground Sewerage Collection system for zone 1 to 4 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) SFP and Ward No.98 to SFP for Aurangabad City.

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

Authority No. CM/Ward/D/C/11/HS&M/7014/18/1 Date 01.07.2011

Date of Measurement	
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D Sewer Final Quantity Node Abstract

9th R A BILL MEASUREMENTS

Main Sewer "D"

SR NO	Description	MB/PG	ITEM 1			ITEM 2			ITEM 3			ITEM 4		
			0-1.5	1.5-3.0	3.0-4.5	4.5-6	0-1.5	1.5-3.0	3.0-4.5	0-1.5	1.5-3.0	3.0-4.5	4.5-6	
1	For Pipe		1,920.90	902.372	213.120	35.338	263.583	317.021	21.648	368.033	144.375	449.013	175.147	0.392
2	For Manhole													
Total			1,920.90	902.372	213.120	35.338	263.583	317.021	21.648	368.033	144.375	449.013	175.147	0.392



Authorized Signatory



[Signature]
Jr. Engineer

[Signature]
Dy. Engineer

CLIENT

PMC

[Signature]
Ex. Engineer

Total up to Date

10

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

Name of Author

Date of Measurement

D Sewer Final Quantity Node Abstract

9th R A BILL MEASUREMENTS

Main Sewer "D"

SR NO	Description	MB/PG	ITEM 5			ITEM 7	ITEM 10	ITEM 11	ITEM 17			ITEM 22 upto 5 m	ITEM 22.1 Rebate	ITEM 30	
			1.5-3.0	3-4.5	4.5-6				800mm	900mm	1000mm				1200mm
1	For Pipe		556.403	273.224	40.830	257.540	7,985.617	1,369.253	40.000	245.000	290.000	127.500			4,622.96
2	For Manhole		556.403	273.224	40.830	257.540	7,985.617	1,369.253	40.000	245.000	290.000	127.500	4.320		4,622.96
	Total														

CLIENT

PMC



[Signature]
Ex. Engineer

[Signature]
Dy. Engineer

[Signature]
Jr. Engineer



Authorized Signatory

Total up to Date

19