



Measurement Book

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

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

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

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K Sewer 9th RA (C) Manhole

Sr.No.	Reference (MB no. & Page no.)	Chainage	MH No	MTL	IL	Depth	Depth Difference than 3.5 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
Kabara Nagar - 400mm Dia. Branch Line									
1		500.00	K 114.13.21	580.689	577.889	2.80	-0.70		
2		635.50	K 114.13.26	581.481	578.481	3.00	-0.50		
3		667.00	K 114.13.27	582.699	579.699	3.00	-0.50		
4		693.50	K 114.13.28	581.705	578.705	3.00	-0.50		
Branch of K Sewer-600mm Dia-Easy Day Mall to Sambaji nagar									
5		828.00	K 114.18	574.332	568.532	5.80	2.30	21.30	42.60
6		877.00	K 114.19	574.448	568.848	5.60	2.10		
7		946.00	K 114.20	575.011	569.211	5.80	2.30		
8		1017.50	K 114.21	575.055	569.355	5.70	2.20		
9		1086.50	K 114.22	575.457	569.457	6.00	2.50		
10		1135.50	K 114.23	575.571	569.771	5.80	2.30		
11		1192.00	K 114.24	578.303	569.903	8.40	4.90		
12		1226.00	K 114.25	578.887	570.487	8.40	4.90		

ITEM No: 24 Providing and constructing on sewer. R.C.C circular manhole 2.5 m dia and up to a depth of 9 M of Reinforced Cement

Sr.No.	Reference (MB no. & Page no.)	Chainage	MH No	MTL	IL	Depth	Depth Difference than 9 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
K Sewer-1400mm Dishya Residency & Best Price Mall									
1		2392.50	K34	539.910	534.430	5.48	-3.52	-43.27	-86.54
2		2469.00	K35	540.890	534.790	6.10	-2.90		
3		2530.50	K36	541.155	535.005	6.15	-2.85		
4		2572.00	K37	541.310	535.110	6.20	-2.80		
5		2638.50	K38	541.610	535.510	6.10	-2.90		
6		2695.00	K39	541.770	535.570	6.20	-2.80		
7		2771.50	K40	543.240	535.740	7.50	-1.50		
8		2808.00	K41	543.250	535.900	7.35	-1.65		
9		2882.00	K42	542.500	536.100	6.40	-2.60		
10		2951.00	K43	542.300	536.300	6.00	-3.00		
11		2990.00	K44	543.020	536.370	6.65	-2.35		
12		3016.50	K45	543.510	536.610	6.90	-2.10		
13		3108.00	K46	543.460	536.860	6.60	-2.40		
14		3149.50	K47	543.430	537.230	6.20	-2.80		
15		3216.00	K48	543.770	537.370	6.40	-2.60		
K Sewer-1400mm Beed Bypass									
16		4230.4	K 69	549.740	542.940	6.80	-2.20		
17		4262.3	K 70	550.150	543.450	6.70	-2.30		



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

K Sewer 9th RA (C) Quantity Node Abstract

9th RA BILL MEASUREMENTS														
Main Sewer "K"														
SR NO	Description	MB/PG	ITEM 1			ITEM 2			ITEM 3		ITEM 4			
			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	0-1.5	1.5-3.0	3.0-4.5	4.5-6	
1	For Pipe		10,373.989	4,633.270	526.033	1,947.667	4,677.697	4,091.714	489.120	674.363	722.743	927.822	715.875	271.533
2	For Manhole		662.424	275.306	58.675	105.799	470.093	379.378	131.938		64.561	69.135	54.345	11.696
	Total		11,036.412	4,908.577	584.608	2,133.363	6,147.990	4,471.092	621.058	674.363	787.304	996.958	770.220	283.229



Jr. Engineer

Dy. Engineer

Ex. Engineer

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Date

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K Sewer 9th RA (C) Quantity Node Abstract

9th RA BILL MEASUREMENTS

Main Sewer "K"

SR NO	Description	MB/PG	ITEM 5			ITEM 6	ITEM 7	Item 9			ITEM 10	ITEM 11	ITEM				
			0-1.5	1.5-3.0	3-4.6			4.5-6	6-7.5	0-1.5			1.5-3	3-4.5	400mm	500mm	600mm
1	For Pipe		62.437	705.230	1,575.855	744.703	880.546	1.094	1,220.990	1,277.550	1,194.858	301.473	26,254.000	7,320.772	1,005.000	425.000	916.500
2	For Manhole		-	6.602	47.818	61.747	-	-	-	-	-	-	-	971.607	-	-	-
Total			62.437	711.832	1,623.673	806.450	880.546	1.094	1,220.990	1,277.550	1,194.858	301.473	26,254.000	8,292.380	1,005.000	425.000	916.500



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JF. Engineer

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By, Engineer

Ex. Engineer

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

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

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

		Details				Last Measurement	
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K Sewer 9th RA (C) Quantity Rate Abstract

9th RA BILL MEASUREMENTS

Main Sewer "K"

SR NO	Description	MB/PG	ITEM 17		ITEM 18		ITEM 19		ITEM 21	ITEM 21.1	ITEM 22	ITEM 22.1	ITEM 23	ITEM 23.1
			700mm	1400mm	160mm	200mm	150mm	200mm						
1	For Pipe		NP3	NP4	178.300	215.000	1,052.500	1,052.500	upto 2 m	Rebate	upto 5 m	Rebate	2-5 m	Rebate
2	For Manhole							Full Rate						
	Total				178.300	215.000	1,052.500	1,052.500	17.000	1.380	12.000	17.300	48.00	(87.200)
								17.000	1.380	12.000	17.300	48.00	48.00	(87.200)

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Dy. Engineer

Ex. Engineer



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

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Silk Mill Colony 400mm

9th R A BILL MEASUREMENTS
Sewer at K-Branch Silk Mill Colony

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	400mm Dia Branch at Silk Mill Colony										
	Width of Trench - For Bottom Lift 0.00-1.50m- 0.4+0.15+0.15+0.5=1.2m										
	From Bottom Lift 1.50m-3.00m- 0.4+0.15+0.15+0.5+0.4=1.6m										
	From Bottom Lift 3.00m-4.50m- 0.4+0.15+0.15+0.5+0.4+0.4=2.0m										
	KSMC 0 to KSMC 1	Strat from Sewer K Manhole No. K75 CH 4874.4 (7.50 Mtr Gap)									
	CH7.50	548.860	547.264	547.064			1.796	2.351			
	CH10.65	549.980	547.274	547.074			2.906				
	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			1.550	1.600	0.600	1.488	0.000	1.488	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.550	1.600	0.900	2.232	0.000	2.232	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			1.550	1.200	0.320	0.595	0.000	0.595	
	Item No. 5 -> Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			1.550	1.200	0.531	0.988	0.000	0.988	
	Item No. 7 -> Filling in plinth and floor/ trenches etc complete (bedding)										
	(a) For Lift 1.5m to 3.0m	1			1.550	1.200	0.200	0.372	0.000	0.372	
	Item No. - 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							0.740	0.000	0.740	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			2.5			2.500	0.000	2.500	
	Item No 30 :- Refilling the excavated trenches --										
	Total Excavation= A							5.303			
	Deduction										
	pipe area	1		0.785	1.550	0.550	0.550	0.37			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							0.37			
	Total = B							0.74			
					Net Qty = A - B			4.56	0.000	4.563	
	KSMC 1 to KSMC 2										
	CH10.65	549.980	547.574	547.374			2.606	2.751			
	CH29.45	550.340	547.644	547.444			2.896				



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Silk Mill Colony 400mm

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE		
		No			L	B		D	Page		Quantity	
		GL	IL	EX.L								
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			5.0			5.000		35.000	40.000	
	Item No 30 :- Refilling the excavated trenches ...											
	Total Excavation= A							11.309				
	Deduction											
	pipe area	1		0.785	3.100	0.550	0.550	0.74				
	soling							0.00				
	PCC							0.00				
	Murum bedding							0.74				
	Total = B							1.48				
		Net Qty = A - B							9.83		102.667	112.496
	KSMC 4 to KSMC 5											
	CH52.05	550.610	548.620	548.420			2.190	2.345				
	CH60.85	550.940	548.640	548.440			2.500					
	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			5.600	1.600	0.700	6.272		45.432	51.704	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.											
	(a) For Lift 0 to 1.5m	1			5.600	1.600	0.800	7.168		34.608	41.776	
	(b) For Lift 1.5m to 3.0m	1			5.600	1.200	0.100	0.672		15.306	15.978	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(b) For Lift 1.5m to 3.0m	1			5.600	1.200	0.500	3.360		14.059	17.419	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.											
	(b) For Lift 1.5m to 3.0m	1			5.600	1.200	0.245	1.646		19.014	20.660	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.600	1.200	0.200	1.344		8.004	9.348	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							2.674		15.923	18.597	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			7.5			7.500		40.000	47.500	
	Item No 30 :- Refilling the excavated trenches ...											
	Total Excavation= A							19.118				
	Deduction											
	pipe area	1		0.785	5.600	0.550	0.550	1.33				
	soling							0.00				
	PCC							0.00				
	Murum bedding							1.34				
	Total = B							2.67				
		Net Qty = A - B							16.44		112.496	128.940
	KSMC 5 to KSMC 6											



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

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Silk Mill Colony 400mm

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	CH60.85	550.940	548.840	548.640			2.300	2.375			
	CH77.15	551.150	548.900	548.700			2.450				
	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			13.100	1.600	0.500	10.480		51.704	62.184
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.100	1.600	0.550	11.528		41.776	53.304
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			13.100	1.600	0.450	9.432		0.000	9.432
	(b) For Lift 1.5m to 3.0m	1			13.100	1.200	0.875	13.755		17.419	31.174
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.100	1.200	0.200	3.144		9.348	12.492
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							6.255		18.597	24.852
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			15.0			15.000		47.500	62.500
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation= A							45.195			
	Deduction										
	pipe area	1		0.785	13.100	0.550	0.550	3.11			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							3.14			
	Total = B							6.25			
					Net Qty = A - B			38.94		128.940	167.880
	KSMC 6 to KSMC 7										
	CH77.15	551.150	549.200	549.000			2.150	2.613			
	CH98.45	552.155	549.280	549.080			3.075				
	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			18.100	1.600	0.600	17.376		62.184	79.560
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.100	1.600	0.650	18.824		53.304	72.128
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			18.100	1.600	0.250	7.240		9.432	16.672
	(b) For Lift 1.5m to 3.0m	1			18.100	1.200	1.113	24.174		31.174	55.349



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Silk Mill Colony 400mm

Date	Particulars of work	DETAILS						Content of area	Last measurment		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			18.100	1.200	0.200	4.344		12.492	16.836
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							8.642		24.852	33.494
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			20.0			20.000		62.500	82.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							67.614			
	Deduction										
	pipe area	1		0.785	18.100	0.550	0.550	4.30			
	soling							0.00			
	PCC							0.00			
	Murum bedding							4.34			
	Total = B							8.64			
	Net Qty = A - B							58.97		167.880	226.853
	KSMC 7 to KSMC 8										
	CH98.45	552.155	549.480	549.280				2.875			
	CH119.75	552.566	549.560	549.360				3.206	3.041		
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.100	2.000	0.600	21.720		79.560	101.280
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.100	2.000	0.600	21.720		72.128	93.848
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			18.100	2.000	0.300	10.860		16.672	27.532
	(b) For Lift 1.5m to 3.0m	1			18.100	1.600	1.500	43.440		55.349	98.789
	(c) For Lift 3.0m to 4.5m	1			18.100	1.200	0.041	0.891		0.000	0.891
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			18.100	1.200	0.200	4.344		16.836	21.180
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							8.642		33.494	42.136
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			20.0			20.000		82.500	102.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							98.631			
	Deduction										
	pipe area	1		0.785	18.100	0.550	0.550	4.30			



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

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Silk Mill Colony 400mm

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	soling						0.00				
	PCC						0.00				
	Murum bedding						4.34				
	Total = B						8.64				
		Net Qty = A - B						89.99	226.853	316.84	
	KSMC 8 to KSMC 9										
	CH119.75	552.566	549.760	549.560			3.006	3.221			
	CH136.05	553.056	549.820	549.620			3.436				
	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			13.100	2.000	0.700	18.340	101.280	119.62	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.100	2.000	0.500	13.100	93.848	106.94	
	(b) For Lift 1.5m to 3.0m	1			13.100	1.600	0.700	14.672	15.978	30.65	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			13.100	2.000	0.300	7.860	27.532	35.39	
	(b) For Lift 1.5m to 3.0m	1			13.100	1.600	0.800	16.768	98.789	115.55	
	(c) For Lift 3.0m to 4.5m	1			13.100	1.200	0.221	3.474	0.891	4.36	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.100	1.200	0.200	3.144	21.180	24.32	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							6.255	42.136	48.39	
	Item No.17 (a) - Lowering & Laying RCC NPS class pipe of 400mm Dia	1			15.0			15.000	102.500	117.50	
	Item No 30 - Refilling the excavated trenches ...										
	Total Excavation= A							74.214			
	Deduction										
	pipe area	1		0.785	13.100	0.550	0.550	3.11			
	soling							0.00			
	PCC							0.00			
	Murum bedding							3.14			
	Total = B							6.25			
		Net Qty = A - B						67.96	316.841	384.80	
	KSMC 9 to KSMC 10										
	CH136.05	553.056	550.406	550.206			2.850	2.900			
	CH157.35	553.395	550.645	550.445			2.950				
	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			18.100	1.600	0.500	14.480	119.620	134.10	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										



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

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Silk Mill Colony 400mm

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			18.100	1.600	0.700	20.272		106.948	127.220
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			18.100	1.600	0.300	8.688		35.392	44.080
	(b) For Lift 1.5m to 3.0m	1			18.100	1.200	1.000	21.720		115.557	137.277
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			18.100	1.200	0.400	8.688		20.660	29.348
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			18.100	1.200	0.200	4.344		24.324	28.668
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							8.642		48.391	57.033
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			20.0			20.000		117.500	137.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							73.848			
	Deduction										
	pipe area	1		0.785	18.100	0.550	0.550	4.30			
	soling							0.00			
	PCC							0.00			
	Murum bedding							4.34			
	Total = B							8.64			
					Net Qty = A - B			65.21		384.800	450.006
	KSMC 10 to KSMC 11										
	CH157.35	553.395	550.881	550.681			2.714	2.712			
	CH181.15	553.646	551.136	550.936			2.710				
	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			20.600	1.600	0.400	13.184		134.100	147.284
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			20.600	1.600	0.800	26.368		127.220	153.588
	(b) For Lift 1.5m to 3.0m	1			20.600	1.200	0.000	0.000		30.650	30.650
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			20.600	1.600	0.300	9.888		44.080	53.968
	(b) For Lift 1.5m to 3.0m	1			20.600	1.200	0.800	19.776		137.277	157.053
	(c) For Lift 3.0m to 4.5m	1			20.600	1.200	0.000	0.000		4.365	4.365
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.600	1.200	0.412	10.185		29.348	39.533



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

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Silk Mill Colony 400mm

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE	
		No			L	B	D		Page	Quantity		
		GL	IL	EX.L								
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			20.600	1.200	0.200	4.944		28.668	33.612	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							9.836		57.033	66.869	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			22.5			22.500		137.500	160.000	
	Item No 30 :- Refilling the excavated trenches ...											
	Total Excavation= A							79.401				
	Deduction											
	pipe area	1		0.785	20.600	0.550	0.550	4.89				
	soling							0.00				
	PCC							0.00				
	Murram bedding							4.94				
	Total = B							9.84				
		Net Qty = A - B							69.56		450.006	519.571
	KSMC 11 to KSMC 12											
	CH181.15	553.646	551.346	551.146			2.500	2.475				
	CH204.95	553.691	551.441	551.241			2.450					
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.											
	(a) For Lift 0 to 1.5m	1			20.600	1.600	0.550	18.128		153.588	171.716	
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			20.600	1.600	0.950	31.312		53.968	85.280	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.											
	(b) For Lift 1.5m to 3.0m	1			20.600	1.200	0.975	24.102		39.533	63.635	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			20.600	1.200	0.200	4.944		33.612	38.556	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							9.836		66.869	76.704	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			22.5			22.500		160.000	182.500	
	Item No 30 :- Refilling the excavated trenches ...											
	Total Excavation= A							73.542				
	Deduction											
	pipe area	1		0.785	20.600	0.550	0.550	4.89				
	soling							0.00				
	PCC							0.00				
	Murram bedding							4.94				
	Total = B							9.84				
		Net Qty = A - B							63.71		519.571	583.278
	KSMC 12 to KSMC 13											



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

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Silk Mill Colony 400mm

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			20.0			20.000	200.000	220.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							68.505			
	Deduction										
	pipe area	1		0.785	18.100	0.550	0.550	4.30			
	soling							0.00			
	PCC							0.00			
	Murum bedding							4.34			
	Total = B							8.64			
				Net Qty = A - B				59.86	632.738	692.601	
	KSMC 14 to KSMC 15										
	CH245.05	554.450	552.081	551.881			2.569	2.740			
	CH266.35	554.951	552.241	552.041			2.910				
	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			18.100	1.600	0.000	0.000	147.284	147.284	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.100	1.600	0.750	21.720	204.268	225.988	
	(b) For Lift 1.5m to 3.0m	1			18.100	1.200	0.000	0.000	30.650	30.650	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			18.100	1.600	0.750	21.720	133.608	155.328	
	(b) For Lift 1.5m to 3.0m	1			18.100	1.200	1.000	21.720	185.661	207.381	
	(c) For lift 3.0m to 4.5m	1			18.100	1.200	0.000	0.000	4.365	4.365	
	Item No 5:- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(a) For Lift 1.5m to 3.0m	1			18.100	1.200	0.240	5.213	79.560	84.773	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			18.100	1.200	0.200	4.344	46.644	50.988	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							8.642	92.795	101.437	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			20.0			20.000	220.000	240.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A							70.373			
	Deduction										
	pipe area	1		0.785	18.100	0.550	0.550	4.30			
	soling							0.00			
	PCC							0.00			
	Murum bedding							4.34			
	Total = B							8.64			
				Net Qty = A - B				61.73	692.601	754.332	



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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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Silk Mill Colony 1.5m MH Excavation

9th RA BILL MEASUREMENTS

K BRANCH SEWER AT Silk Mill Colony

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Excavation of Chamber - For 1.50m dia Manhole (upto a depth of 2.0m to 5.0m)- 1.50+0.35+0.35+0.5+0.5=3.20m Breadth for Manhole=3.2*3.2=10.24m KSMC 1 CH10.65	549.980	547.274	547.024			2.956				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. (a) For Lift 0 to 1.5m	1			0.785	10.240	0.600	4.823	0.000	4.823	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			0.785	10.240	0.900	7.235	0.000	7.235	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft (b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.320	2.572	0.000	2.572	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete (b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.136	9.132	0.000	9.132	
	Item No. : 11 Transportation of earth Transportation charges							7.911	0.000	7.911	
	Item No. 30 :- Refilling the excavated trenches ...							23.762			
	Total Excavation=										
	Deduction										
	Brick work	1			0.785	2.280	2.280	0.706	2.881		
		1			0.785	1.540	1.540	2.000	3.723		
	PCC	1			0.785	2.580	2.580	0.250	1.306		
	Soling	1			0.785	2.580	2.580	0.000	0.000		
								7.911			
	Net Qty = A - B							15.851	0.000	15.851	
	KSMC 2 CH29.45	550.340	547.644	547.394			2.946				
	Item No. 1 - Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. (a) For Lift 0 to 1.5m	1			0.785	10.240	0.900	7.235	4.823	12.058	
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			0.785	10.240	0.600	4.823	7.235	12.058	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.600	4.823	0.000	4.823	
	Item No. 4 - Excavation for foundation/pipe trenches in soft rock etc complete. (b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.200	1.608	2.572	4.180	



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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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Silk Mill Colony 1.5m MH Excavation

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	KSMC 4										
	CH52.05	550.610	548.320	548.070			2.540				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.950	7.636	18.488	26.125	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.550	4.421	17.684	22.106	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.250	2.010	6.431	8.440	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.500	4.019	8.199	12.218	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.290	2.331	20.241	22.572	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							6.213	23.610	29.823	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							20.418			
	Deduction										
	Brick work	1		0.785	2.280	2.280	0.290	1.183			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								6.213			
								14.204	47.434	61.638	
	KSMC 5										
	CH60.85	550.940	548.640	548.390			2.550				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.700	5.627	26.125	31.752	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.800	6.431	22.106	28.536	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.100	0.804	8.440	9.244	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.500	4.019	12.218	16.238	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.450	3.617	22.572	26.189	



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Silk Mill Colony 1.5m MH Excavation

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							6.254		29.823	36.077
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=										
	Deduction							20.498			
	Brick work	1		0.785	2.280	2.280	0.300	1.224			
	PCC	1		0.785	1.540	1.540	2.000	3.723			
	Soling	1		0.785	2.580	2.580	0.250	1.306			
				0.785	2.580	2.580	0.000	0.000			
								6.254			
								14.244		61.638	75.882
	KSMC 6										
	CH77.15	551.150	548.900	548.650			2.500				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.500	4.019		31.752	35.771
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.550	4.421		28.536	32.957
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.450	3.617		0.000	3.617
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.000	8.038		16.238	24.276
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							6.050		36.077	42.127
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=										
	Deduction							20.096			
	Brick work	1		0.785	2.280	2.280	0.250	1.020			
	PCC	1		0.785	1.540	1.540	2.000	3.723			
	Soling	1		0.785	2.580	2.580	0.250	1.306			
				0.785	2.580	2.580	0.000	0.000			
								6.050			
								14.046		75.882	89.928
	KSMC 7										
	CH98.45	552.155	549.280	549.030			3.125				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.600	4.823		35.771	40.594
	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, 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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Silk Mill Colony 1.5m MH Excavation

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.650	5.225		32.957	38.182
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.250	2.010		3.617	5.627
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		24.276	36.334
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.125	1.005		0.000	1.005
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							8.600		42.127	50.727
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							25.120			
	Deduction										
	Brick work	1			0.785	2.280	2.280	0.875	3.571		
		1			0.785	1.540	1.540	2.000	3.723		
	PCC	1			0.785	2.580	2.580	0.250	1.306		
	Soling	1			0.785	2.580	2.580	0.000	0.000		
								8.600			
	Net Qty = A - B							16.520		89.928	106.448
	KSMC 8										
	CH119.75	552.566	549.560	549.310				3.256			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.600	4.823		40.594	45.417
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.600	4.823		38.182	43.005
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.300	2.412		5.627	8.038
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		36.334	48.391
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.256	2.058		1.005	3.063
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							9.135		50.727	59.862
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							26.173			
	Deduction										
	Brick work	1			0.785	2.280	2.280	1.006	4.105		
		1			0.785	1.540	1.540	2.000	3.723		
	PCC	1			0.785	2.580	2.580	0.250	1.306		
	Soling	1			0.785	2.580	2.580	0.000	0.000		
								9.135			
	Net Qty = A - B							17.038		106.448	123.486
	KSMC 9										
	CH136.05	553.056	549.820	549.570				3.486			



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.

Book No. :-

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Silk Mill Colony 1.5m MH Excavation

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.700	5.627	45.417	51.044	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.500	4.019	43.005	47.025	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.700	5.627	9.244	14.871	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.300	2.412	8.038	10.450	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.800	6.431	48.391	54.822	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.486	3.907	3.063	6.969	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.000	0.000	26.189	26.189	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							10.074	59.862	69.936	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							28.022			
	Deduction:										
	Brick work	1		0.785	2.280	2.280	1.236	5.044			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								10.074			
								17.948	123.486	141.434	
	Net Qty = A - B										
	KSMC 10										
	CH157.35	553.395	550.645	550.395			3.000				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.500	4.019	51.044	55.063	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.700	5.627	47.025	52.652	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.300	2.412	10.450	12.861	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.000	8.038	54.822	62.860	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.500	4.019	26.189	30.208	



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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Silk Mill Colony 1.5m MH Excavation

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							8.090		69.936	78.026
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							24.115			
	Deduction										
	Brick work	1		0.785	2.280	2.280	0.750	3.061			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								8.090			
	Net Qty = A - B							16.025		141.434	157.459
	KSMC 11										
	CH181.15	553.646	551.136	550.886			2.760				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.400	3.215		55.063	58.278
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.800	6.431		52.652	59.082
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.000	0.000		14.871	14.871
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.300	2.412		12.861	15.273
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.800	6.431		62.860	69.291
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.000	0.000		6.969	6.969
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.460	3.698		30.208	33.906
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							7.111		78.026	85.137
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							22.186			
	Deduction										
	Brick work	1		0.785	2.280	2.280	0.510	2.081			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								7.111			
	Net Qty = A - B							15.075		157.459	172.534
	KSMC 12										
	CH204.95	553.691	551.441	551.191			2.500				



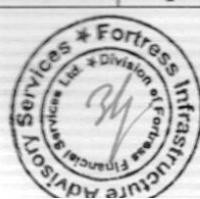
Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakhstrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport),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

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Silk Mill Colony 1.5m MH Excavation

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. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.629	5.056		41.944	47.001
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							6.984		91.187	98.171
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							21.937			
	Deduction										
	Brick work	1		0.785	2.280	2.280	0.479	1.955			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								6.984			
	Net Qty = A - B							14.952		186.580	201.533
	KSMC 14										
	CH245.05	554.450	551.906	551.656			2.794				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.000	0.000		58.278	58.278
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.650	5.225		67.924	73.149
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.000	0.000		14.871	14.871
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.850	6.833		30.546	37.379
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.800	6.431		74.114	80.545
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.000	0.000		6.969	6.969
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.494	3.971		47.001	50.971
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							7.250		98.171	105.421
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							22.459			
	Deduction										
	Brick work	1		0.785	2.280	2.280	0.544	2.220			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			



Name of work:- Develop ment 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 Vencture)

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

Date
Meas
rem

1 of 1

Silk Mill Colony UCR

9th R A BILL MEASURMENTS

Branch Sewer "K" Silk Mill Colony - UCR Work

Extra item no.:-5. c) Construction of UCR Masonry work in 1:6 CM

Sr.No.	Chainage	L	B	D	Content of area	Total Quantity
1	CH 7.50	2.10	1.42	4.20	12.52	12.52



