

K Sewer 9th RA (C) Easy Day mall-600

9th R A BILL MEASUREMENTS
SEWER "K"

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	Branch of K Sewer-600mm Dia-EASY DAY MALL TO SAMBAJI NAGAR										
	Width of trench- For Bottom Lift 0.00-1.50m- 0.6+0.17+0.17+0.5=1.44m										
	From Bottom Lift 1.50-3.00m- 0.6+0.17+0.17+0.5+0.4=1.84m										
	From Bottom Lift 3.00-4.50m- 0.6+0.17+0.17+0.5+0.4+0.4 = 2.24m										
	From Bottom Lift 4.50-6.0m- 0.6+0.17+0.17+0.5+0.4+0.4+0.4 = 2.64m										
	K 114.11	Balance Part from K 114.11 to K114.14 From CH 532.20									
	CH532.20	568.980	566.196	565.996			2.984	3.047			
	CH550.45	569.150	566.241	566.041			3.109				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			16.800	1.840	1.500	46.368	6139.896	6186.264	
	(b) For Lift 1.5m to 3.0m	1			16.800	1.440	0.590	14.273	3851.224	3865.497	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			16.800	1.440	0.910	22.015	1906.659	1828.674	
	(c) For Lift 3.0m to 4.5m	1			16.800	1.440	0.047	1.137	2800.856	2801.994	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			16.800	1.440	0.200	4.838	756.332	761.170	
	Item No. 11 Transportation of earth Transportation charges including loading & unloading	1						12.658	692.010	704.668	
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			17.500			17.500	474.000	491.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							83.793			
	Deduction										
	pipe area	1.00		0.785	16.800	0.770	0.770	7.82			
	soling							0.00			
	PCC							0.00			
	Murum bedding							4.84			
	Total = B							12.66			
								Net Qty = A - B	71.14	17845.170	
									17916.31		
	CH550.45	569.150	566.241	566.041			3.109	3.137			
	CH567.95	569.250	566.286	566.086			3.164				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			17.500	2.240	1.500	58.800	6186.264	6245.064	
	(b) For Lift 1.5m to 3.0m	1			17.500	1.840	0.510	16.422	3865.497	3881.919	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			17.500	1.840	0.990	31.878	1828.674	1860.552	



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Name of Work :- ... and Zone Salim AH, Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchurwadi), Banewadi, Siddharth Garden, Zaha, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zaha, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchurwadi) STP and Ward No.98 to STP for Aurangabad City.

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K Sewer 9th RA (C) Easy Day mall-500

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(c) For Lift 3.0m to 4.5m	1			17.500	1.440	0.137	3.452		2801.994	2805.446
	Item No. 7 :- Filling in plinth and floors/trenches etc	1			17.500	1.440	0.200	5.040		761.170	766.210
	Item No. : 11 Transportation of earth Transportation charges	1						13.185		704.668	717.852
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			17.500			17.500		491.500	509.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							110.552			
	Deduction										
	pipe area	1.00		0.785	17.500	0.770	0.770	8.14			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							5.04			
	Total = B							13.18			
								97.37		17916.306	18013.67
								Net Qty = A - B			
	CR567.95	569.250	566.286	566.086				3.164			
	CR570.45	569.260	566.292	566.092				3.168			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			2.500	2.240	1.500	8.400		6245.064	6253.464
	(b) For Lift 1.5m to 3.0m	1			2.500	1.840	0.510	2.346		3881.919	3884.265
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			2.500	1.840	0.990	4.554		1860.552	1865.106
	(c) For Lift 3.0m to 4.5m	1			2.500	1.440	0.166	0.598		2805.446	2806.044
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.500	1.440	0.200	0.720		766.210	766.930
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading	1						1.884		717.852	719.736
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			2.500			2.500		509.000	511.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							15.898			
	Deduction										
	pipe area	1.00		0.785	2.500	0.770	0.770	1.16			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							0.72			
	Total = B							1.88			
								14.01		18013.673	18027.69
								Net Qty = A - B			
	CR570.45	569.260	566.292	566.092				3.168			
	CR567.95	569.240	566.348	566.148				3.092			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			26.800	2.240	1.500	90.048		6253.464	6343.512
	(b) For Lift 1.5m to 3.0m	1			26.800	1.840	1.000	49.312		3884.265	3933.577
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			26.800	1.840	0.500	24.656		1865.106	1889.762



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Name of work :- Completion of Underground Sewerage Collection system for Zone I to VI and Zone Salim AR 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 GSP DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :- 166
Page No. :-

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

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K Sewer 9th RA (C) Easy Day mall-600

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(c) For Lift 3.0m to 4.5m	1			26.800	1.440	0.130	5.017		2806.044	2811.060
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			26.800	1.440	0.200	7.718		766.930	774.649
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading	1						20.192		719.736	739.928
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			27.500			27.500		511.500	539.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							169.033			
	Deduction										
	pipe area	1.00		0.785	26.800	0.770	0.770	12.47			
	soling							0.00			
	PCC							0.00			
	Murum bedding							7.72			
	Total = B							20.19			
					Net Qty = A - B			148.84		18027.687	18176.53
	K 114. 12										
	CH598.70	569.240	567.148	566.948			2.292	2.646			
	CH619.45	569.998	567.198	566.998			3.000				
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			19.300	1.840	1.500	53.268		6343.512	6396.780
	(b) For Lift 1.5m to 3.0m	1			19.300	1.440	0.500	13.896		3933.577	3947.473
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			19.300	1.440	0.646	17.954		1889.762	1907.715
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			19.300	1.440	0.200	5.558		774.649	780.207
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading	1						14.541		739.928	754.469
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			20.000			20.000		539.000	559.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							85.118			
	Deduction										
	pipe area	1.00		0.785	19.300	0.770	0.770	8.98			
	soling							0.00			
	PCC							0.00			
	Murum bedding							5.56			
	Total = B							14.54			
					Net Qty = A - B			70.58		18176.528	18247.10
	CH619.45	569.998	567.198	566.998			3.000	3.000			
	CH639.45	570.048	567.248	567.048			3.000				
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			20.000	1.840	1.500	55.200		6396.780	6451.980



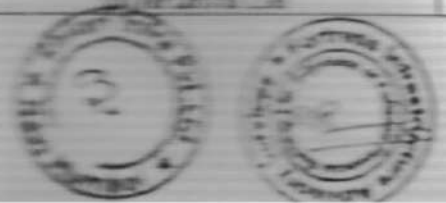
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and Zone Sales, All Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Naksharwadi (Kancharwadi), Banerwadi, Siddharth Garden, Baha, Padegam, CIDCO (Airport), Construction, Execution, Testing and Commission of Sewage pumping stations at Banerwadi, Siddharth Garden, Padegam, Golwadi, Zaha, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GHP 12 pipe line from Golwadi SPS to Naksharwadi (Kancharwadi) STP and Ward No.98 to STP for Kancharwadi.

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

K Sewer 9th RA (C) Easy Day mail-600

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.000	1.440	1.500	43.200		1907.715	1950.915
	Item No. 7 - Filling in plinth and floors/ trenches etc complete (bedding)	1			20.000	1.440	0.200	5.760		780.207	785.967
	Item No. - 11 Transportation of earth Transportation charges including loading & unloading	1						15.069		754.469	769.538
	Item No 17 (4) - Lowering & Laying RCI NP3 class pipe of 600mm Dia	1			20.000			20.000		559.000	579.000
	Item No 30 - Refilling the excavated trenches										
	Total Excavation= A=							98.400			
	Deductions										
	pipe area	1.00		0.785	20.000	0.770	0.770	9.31			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							5.76			
	Total = B							15.07			
					Net Qty = A - B			83.33		18247.105	18330.44
	CHE39.45	570.048	567.248	567.048			3.000	2.975			
	CHE39.45	570.048	567.298	567.098			2.950				
	Item No. 1 - Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			20.000	1.840	1.500	55.200		6451.980	6507.180
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.000	1.440	1.475	42.480		1950.915	1993.395
	Item No. 7 - Filling in plinth and floors/ trenches etc complete (bedding)	1			20.000	1.440	0.200	5.760		785.967	791.727
	Item No. - 11 Transportation of earth Transportation charges including loading & unloading	1						15.069		769.538	784.606
	Item No 17 (4) - Lowering & Laying RCI NP3 class pipe of 600mm Dia	1			20.000			20.000		579.000	599.000
	Item No 30 - Refilling the excavated trenches										
	Total Excavation= A=							97.680			
	Deductions										
	pipe area	1.00		0.785	20.000	0.770	0.770	9.31			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							5.76			
	Total = B							15.07			
					Net Qty = A - B			82.61		18330.436	18413.05
	CHE39.45	570.048	567.298	567.098			2.950	2.925			
	CHE39.45	570.035	567.335	567.135			2.900				
	Item No. 1 - Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			14.300	1.840	0.500	13.156		6507.180	6520.336



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and Zone Salim Ali, Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshetrwadi (Kanchanwadi) Bancwadi, Siddharth Garden, Zalta, Padegzon, CIDCO (Airport), Construction, Execution, Testing and Commission of Sewage pumping stations at Bancwadi, Siddharth Garden, Padegzon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP 18 pipe line from Golwadi SPS to Nakshetrwadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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

K Sewer 9th RA (C) Easy Day mall-600

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(c) For Lift 3.0m to 4.5m	1			21.800	1.440	0.008	0.251		591.102	591.353
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			21.800	1.440	0.200	6.278		823.839	830.117
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading	1						16.425		868.613	885.038
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			22.500			22.500		714.000	736.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							107.507			
	Deduction										
	pipe area	1.00		0.785	21.800	0.770	0.770	10.15			
	soiling							0.00			
	POC							0.00			
	Murum bedding							6.28			
	Total = B							16.42			
								Net Qty = A - B		18895.157	18986.24
22.01.2016	CH1040.75	572.300	569.400	569.200				3.100			
	CH1063.25	572.365	569.465	569.265				3.100			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			22.500	2.240	1.500	75.600		6849.832	6925.432
	(b) For Lift 1.5m to 3.0m	1			22.500	1.840	0.196	8.114		4004.106	4012.221
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			22.500	1.840	0.700	28.980		2119.314	2148.294
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			22.500	1.840	0.604	25.006		656.368	681.374
	(c) For Lift 3.0m to 4.5m	1			22.500	1.440	0.100	3.240		591.353	594.593
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			22.500	1.440	0.200	6.480		830.117	836.597
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading	1						16.952		885.038	901.990
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			22.500			22.500		736.500	759.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							140.940			
	Deduction										
	pipe area	1.00		0.785	22.500	0.770	0.770	10.47			
	soiling							0.00			
	POC							0.00			
	Murum bedding							6.48			
	Total = B							16.95			
								Net Qty = A - B		18986.240	19110.23
25.01.2016	CR1063.25	572.365	569.465	569.265				3.100			
	CR1086.50	572.375	569.457	569.257				3.118			



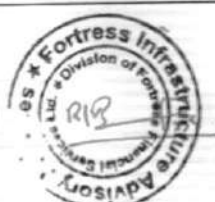
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Name of work:- Development of Underground Sewerage Collection system for Zone 1 & 2 and Zone Salim Ali Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth 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 GSP 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 & GECPI (Joint Venture)

K Sewer 9th RA (C) Easy Day mall-600

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc										
	(a) For Lift 0 to 1.5m	1			21.800	2.240	1.500	73.248		6925.432	6998.680
	(b) For Lift 1.5m to 3.0m	1			21.800	1.840	0.110	4.412		4012.221	4016.633
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			21.800	1.840	0.700	28.078		2148.294	2176.373
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			21.800	1.840	0.690	27.677		681.374	709.051
	(c) For Lift 3.0m to 4.5m	1			21.800	1.440	0.109	3.422		594.593	598.015
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			21.800	1.440	0.200	6.278		836.597	842.876
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading	1						16.425		901.990	918.415
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			22.500			22.500		759.000	781.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							136.838			
	Deduction							10.15			
	pipe area	1.00		0.785	21.800	0.770	0.770	0.00			
	soling							0.00			
	PCC							6.28			
	Murrum bedding							16.42			
	Total = B							120.41		19110.228	19230.54
					Net Qty = A - B						
	K 114.22						2.918				
27.01.2016	CH1086.50	572.375	569.657	569.457			3.137	3.028			
	CH1102.25	572.630	569.693	569.493							
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc										
	(a) For Lift 0 to 1.5m	1			14.300	1.840	1.500	39.468		6998.680	7038.144
	(b) For Lift 1.5m to 3.0m	1			14.300	1.840	0.527	13.866		4016.633	4030.444
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			14.300	1.840	0.600	15.787		2176.373	2192.160
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			14.300	1.840	0.373	9.814		709.051	718.965
	(c) For Lift 3.0m to 4.5m	1			14.300	1.440	0.028	0.577		598.015	598.592
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			14.300	1.440	0.200	4.118		842.876	847.094
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading	1						10.774		918.415	928.189
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			15.000			15.000		781.500	796.500



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K Sewer 9th RA (C) Easy Day mail-600

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							79.513			
	Deduction										
	pipe area	1.00		0.785	14.300	0.770	0.770	6.66			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							4.12			
	Total = B							10.77			
								Net Qty = A - B			
								68.74	19230.641	19299.38	
20.01.2016	CR1102.25	572.630	569.693	569.493			3.137				
	CR1114.75	573.580	569.723	569.523			4.057	3.597			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			12.500	2.240	1.500	42.000	7038.148	7080.148	
	(b) For Lift 1.5m to 3.0m	1			12.500	1.840	1.097	25.231	4030.499	4055.730	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			12.500	1.840	0.403	9.269	2192.160	2201.429	
	(c) For Lift 3.0m to 4.5m	1			12.500	1.440	0.297	5.346	2811.060	2816.406	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			12.500	1.440	0.300	5.400	598.592	603.992	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			12.500	1.440	0.200	3.600	846.994	850.594	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading	1						9.418	929.189	938.606	
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			12.500			12.500	796.500	809.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							87.246			
	Deduction										
	pipe area	1.00		0.785	12.500	0.770	0.770	5.82			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							3.60			
	Total = B							9.42			
								Net Qty = A - B			
								77.83	19299.379	19377.21	
21.02.2016	CR1114.75	573.580	569.723	569.523			4.057				
	CR1135.50	574.070	569.771	569.571			4.499	4.278			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			19.300	2.240	1.500	64.848	7080.148	7144.996	
	(b) For Lift 1.5m to 3.0m	1			19.300	1.840	0.500	17.756	4055.730	4073.486	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			19.300	1.840	1.000	35.512	2201.429	2236.941	
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										



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K Sewer 9th RA (C) Easy Day mall-600

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(c) For Lift 3.0m to 4.5m	1			19.300	1.440	0.980	27.236		603.992	6
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			19.300	1.440	0.298	8.282		1402.362	141
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			19.300	1.440	0.200	5.558		850.594	85
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading	1						14.541		938.606	95
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			20.000			20.000		809.000	82
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							153.634			
	Deduction										
	pipe area										
	soling	1.00		0.785	19.300	0.770	0.770	8.98			
	PCC							0.00			
	Murum bedding							0.00			
	Total = B							5.56			
								14.54			
								139.09			
	Net Qty = A - B										
04.02.2016	K 114. 23										
	CH1135.50	574.070	569.771	569.571							
	CH1153.75	574.865	569.813	569.613			4.499	4.876			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc						5.252				
	(a) For Lift 0 to 1.5m	1			16.800	2.640	1.500	66.528		7144.996	7211.52
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			16.800	2.240	1.500	56.448		2236.941	2293.38
	(c) For Lift 3.0m to 4.5m	1			16.800	1.840	0.370	11.437		2816.406	2827.84
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			16.800	1.840	0.500	15.456		631.228	646.68
	(d) For Lift 4.5m to 6.0m	1			16.800	1.440	0.376	9.096		250.857	259.95
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			16.800	1.840	0.630	19.475		1410.644	1430.11
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			16.800	1.440	0.200	4.838		856.153	860.99
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading	1						12.658		953.148	965.80
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			17.500			17.500		829.000	846.50
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							178.440			
	Deduction										
	pipe area										
	soling	1.00		0.785	16.800	0.770	0.770	7.82			
								0.00			



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K Sewer 9th RA (C) Easy Day mail-600

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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC							0.00			
	Murum bedding							4.84			
	Total = B							12.66			
		Net Qty = A - B								19516.300	19682.08
07.02.2016	CH1153.75	574.865	569.813	569.613			5.252	5.376			
	CH1171.25	575.155	569.855	569.655			5.500				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc (a) For Lift 0 to 1.5m	1			17.500	2.640	0.500	23.100		7211.524	7234.624
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete. (a) For Lift 0 to 1.5m	1			17.500	2.640	1.000	46.200		996.190	1042.390
	(b) For Lift 1.5m to 3.0m	1			17.500	2.240	1.000	39.200		2293.389	2332.589
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (b) For Lift 1.5m to 3.0m	1			17.500	2.240	0.500	19.600		718.866	738.466
	(c) For Lift 3.0m to 4.5m	1			17.500	1.840	0.870	28.014		646.684	674.698
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete. (c) For Lift 3.0m to 4.5m	1			17.500	1.840	0.630	20.286		1430.119	1450.405
	(d) For Lift 4.5m to 6.0m	1			17.500	1.440	0.876	22.075		590.088	612.163
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.500	1.440	0.200	5.040		860.991	866.031
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading	1						13.185		965.805	978.990
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			17.500			17.500		846.500	864.000
	Item No 30 :- Refilling the excavated trenches ...							198.475			
	Total Excavation= A=										
	Deduction							8.14			
	pipe area	1.00		0.785	17.500	0.770	0.770	0.00			
	soiling							0.00			
	PCC							5.04			
	Murum bedding							13.18			
	Total = B							185.29		19682.083	19867.37
		Net Qty = A - B									
10.02.2016	CH1171.25	575.155	569.855	569.655			5.500	5.600			
	CH1192.00	575.403	569.903	569.703			5.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc (a) For Lift 0 to 1.5m	1			19.300	2.640	0.500	25.476		7234.624	7260.100
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete. (a) For Lift 0 to 1.5m	1			19.300	2.640	1.000	50.952		1042.390	1093.342
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 1.5m to 3.0m	1			19.300	2.240	1.500	64.848		738.466	803.314
	(b) For Lift 3.0m to 4.5m	1			19.300	1.840	0.300	10.654		674.698	685.351



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K Sewer 9th RA (C) Easy Day mall-600

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 Hard rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			19.300	1.840	1.200	42.614		1450.405	1493.019
	(d) For Lift 4.5m to 6.0m	1			19.300	1.440	1.100	30.571		612.163	642.734
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			19.300	1.440	0.200	5.558		866.031	871.589
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading	1						14.541		978.990	993.531
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			20.000			20.000		864.000	884.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							225.115			
	Deduction										
	pipe area	1.00		0.785	19.300	0.770	0.770	8.98			
	soling							0.00			
	PCC							0.00			
	Murram bedding							5.56			
	Total = B							14.54			
								Net Qty = A - B		19867.373	20077.95
	K 114. 24										
14.02.2016	CH1192.00	575.403	570.403	570.203			5.200				
	CH1207.75	575.340	570.439	570.239			5.101	5.151			
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.300	2.640	1.000	37.752		1093.342	1131.094
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			14.300	2.640	0.500	18.876		424.201	443.077
	(b) For Lift 1.5m to 3.0m	1			14.300	2.240	1.000	32.032		803.314	835.346
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			14.300	2.240	0.500	16.016		651.582	667.598
	(c) For Lift 3.0m to 4.5m	1			14.300	1.840	1.500	39.468		1493.019	1532.487
	(d) For Lift 4.5m to 6.0m	1			14.300	1.440	0.651	13.405		642.734	656.139
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			14.300	1.440	0.200	4.118		871.589	875.708
	Item No. : 11 Transportation of earth Transportation charges	1						10.774		993.531	1004.305
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			15.000			15.000		884.000	899.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							157.549			
	Deduction										
	pipe area	1.00		0.785	14.300	0.770	0.770	6.66			
	soling							0.00			
	PCC							0.00			
	Murram bedding							4.12			
	Total = B							10.77			
								Net Qty = A - B		20077.947	20224.72



17

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. :-

Page No. :- 177

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) Easy Day mail-600

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
18.02.2016	CH1207.75	575.340	570.439	570.239			5.101	4.895			
	CH1226.00	574.975	570.487	570.287			4.688				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			16.800	1.840	0.000	0.000	674.363	674.363	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc										
	(a) For Lift 0 to 1.5m	1			16.800	2.640	0.000	0.000	7260.100	7260.100	
	(b) For Lift 1.5m to 3.0m	1			16.800	2.240	0.000	0.000	4073.486	4073.486	
	(c) For Lift 3.0m to 4.5m	1			16.800	1.840	0.000	0.000	393.658	393.658	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.800	2.640	0.500	22.176	1131.094	1153.270	
	(b) For Lift 1.5m to 3.0m	1			16.800	2.240	0.000	0.000	2332.589	2332.589	
	(c) For Lift 3.0m to 4.5m	1			16.800	1.840	0.000	0.000	2827.844	2827.844	
	(d) For Lift 4.5m to 6.0m	1			16.800	1.440	0.000	0.000	166.230	166.230	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			16.800	2.640	1.000	44.352	443.077	487.429	
	(b) For Lift 1.5m to 3.0m	1			16.800	2.240	0.500	18.816	835.346	854.162	
	(c) For Lift 3.0m to 4.5m	1			16.800	1.840	0.000	0.000	685.351	685.351	
	(d) For Lift 4.5m to 6.0m	1			16.800	1.440	0.000	0.000	259.953	259.953	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(a) For Lift 0m to 1.5m	1			16.800	2.640	0.000	0.000	62.437	62.437	
	(b) For Lift 1.5m to 3.0m	1			16.800	2.240	1.000	37.632	667.598	705.230	
	(c) For Lift 3.0m to 4.5m	1			16.800	1.840	1.500	46.368	1532.487	1578.855	
	(d) For Lift 4.5m to 6.0m	1			16.800	1.440	0.395	9.556	656.139	665.695	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			16.800	1.440	0.200	4.838	875.708	880.546	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading	1						12.658	1004.305	1016.963	
	Item No 17 (d) :- Lowering & Laying RCC NP3 class pipe of 600mm Dia	1			17.500			17.500	899.000	916.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation= A=							178.900			
	Deduction										
	pipe area	1.00		0.785	16.800	0.770	0.770	7.82			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							4.84			
	Total = B							12.66			
	Net Qty = A - B							166.24	20224.723	20390.97	



12

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone VII. At: Constructing, Erecting, Testing and Commissioning of Sewerage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commissioning 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 GPP 18 pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

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Page No. :-

K Sewer 9th RA (C) Easy Day Mall-500

9th RA BILL MEASUREMENTS

Main Sewer K at Easy Day Mall

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	500mm Dia- Easy Day Mall										
	Width of Trench - For Bottom Lift 0.00-1.50m- 0.5+0.15+0.15+0.5=1.3m										
	From Bottom Lift 1.50m-3.00m- 0.5+0.15+0.15+0.5+0.4=1.7m										
	From Bottom Lift 3.00m-4.50m- 0.5+0.15+0.15+0.5+0.4+0.4=2.1m										
	K 114.25										
25.02.2016	CH1226.00	576.433	573.433	573.233			3.20	3.450			
	CH1252.50	577.070	573.570	573.370			3.70				
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			23.600	2.100	1.500	74.340	1153.270	1227.2	
	(b) For Lift 1.5m to 3.0m	1			23.600	1.700	1.500	60.180	2332.589	2392.7	
	(c) For Lift 3.0m to 4.5m	1			23.600	1.300	0.450	13.806	2827.844	2841.4	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			23.600	1.300	0.200	6.136	880.546	886.6	
	Item No. : 11 Transportation of earth Transportation charges including							13.963	1016.963	1030.9	
	Item No.17 (c) :- Lowering & Laying RCC NP3 class pipe of 500mm Dia	1			25.000			25.000	0.000	25.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							148.326			
	Deduction										
	pipe area	1		0.785	23.600	0.650	0.650	7.83			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							6.14			
	Total = B							13.96			
	Net Qty = A - B							134.36	20390.965	20525.1	
	K 114.26										
06.03.2016	CH1252.50	577.070	574.370	574.170			2.90	3.500			
	CH1301.50	578.507	574.607	574.407			4.10				
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			46.100	2.100	1.500	145.215	1227.610	1372.8	
	(b) For Lift 1.5m to 3.0m	1			46.100	1.700	1.500	117.555	2392.769	2510.6	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			46.100	1.300	0.500	29.965	685.351	715.3	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			46.100	1.300	0.200	11.986	886.682	898.6	
	Item No. : 11 Transportation of earth Transportation charges including							27.276	1030.926	1058.2	
	Item No.17 (c) :- Lowering & Laying RCC NP3 class pipe of 500mm Dia	1			47.500			47.500	25.000	72.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							292.735			
	Deduction										
	pipe area	1		0.785	46.100	0.650	0.650	15.29			
	soling							0.00			



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K Sewer 9th RA (C) Easy Day Mall-500

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC								0.00		
	Murum bedding								11.99		
	Total = B								27.28		
		Net Qty = A - B								265.46	20525.328
	K 114. 27										
07.03.2016	CH1301.50	578.507	575.407	575.207			3.30	3.998			
	CH1325.50	580.010	575.515	575.315			4.70				
	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			21.100	2.100	0.300		13.293	7260.100	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			21.100	2.100	1.200		53.172	1372.825	
	(b) For Lift 1.5m to 3.0m	1			21.100	1.700	1.500		53.805	2510.324	
	(c) For Lift 3.0m to 4.5m	1			21.100	1.300	0.998		27.375	2841.650	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			21.100	1.300	0.200		5.486	898.668	
	Item No. : 11 Transportation of earth Transportation charges including								12.484	1058.202	
	Item No.17 (c) :- Lowering & Laying RCC NP3 class pipe of 500mm Dia	1			22.500				22.500	72.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A								147.645		
	Deduction										
	pipe area	1		0.785	21.100	0.650	0.650		7.00		
	soling								0.00		
	PCC								0.00		
	Murum bedding								5.49		
	Total = B								12.48		
		Net Qty = A - B								135.16	20790.787
	K 114. 28										
16.03.2016	CH1325.50	580.010	576.319	576.119			3.89	3.903			
	CH1344.50	580.120	576.406	576.206			3.91				
	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			16.100	2.100	0.400		13.524	7273.393	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.100	2.100	1.100		37.191	1425.997	
	(b) For Lift 1.5m to 3.0m	1			16.100	1.700	1.500		41.055	2564.129	
	(c) For Lift 3.0m to 4.5m	1			16.100	1.300	0.903		18.900	2869.025	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			16.100	1.300	0.200		4.186	904.154	
	Item No. : 11 Transportation of earth Transportation charges including								9.526	1070.686	
	Item No.17 (c) :- Lowering & Laying RCC NP3 class pipe of 500mm Dia	1			17.500				17.500	95.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A								110.670		
	Deduction										
	pipe area	1		0.785	16.100	0.650	0.650		5.34		



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

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

K Sewer 9th RA (C) Easy Day Mall-500

Date	Particulars of work	DETAILS						Content of area	Last measurment		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	pipe area	1		0.785	19.300	0.650	0.650	6.40			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							5.02			
	Total = B							11.42			
		Net Qty = A - B						113.54	21130.802	21244.346	
	K 114.30										
31.03.2016	CH1385.00	581.104	578.106	577.906			3.20	3.199			
	CH1407.50	581.206	578.206	578.006			3.20				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			18.600	2.100	0.000	0.000	674.363	674.363	
	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			18.600	2.100	1.000	39.060	7372.030	7411.090	
	(b) For Lift 1.5m to 3.0m	1			18.600	1.700	0.000	0.000	4073.486	4073.486	
	(c) For Lift 3.0m to 4.5m	1			18.600	1.300	0.000	0.000	393.658	393.658	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.600	2.100	0.500	19.530	1499.665	1519.195	
	(b) For Lift 1.5m to 3.0m	1			18.600	1.700	1.500	47.430	2703.614	2751.044	
	(c) For Lift 3.0m to 4.5m	1			18.600	1.300	0.199	4.812	2907.997	2912.809	
	(d) For Lift 4.5m to 6.0m	1			18.600	1.300	0.000	0.000	166.230	166.230	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			18.600	2.100	0.000	0.000	487.429	487.429	
	(b) For Lift 1.5m to 3.0m	1			18.600	1.700	0.000	0.000	854.162	854.162	
	(c) For Lift 3.0m to 4.5m	1			18.600	1.300	0.000	0.000	715.316	715.316	
	(d) For Lift 4.5m to 6.0m	1			18.600	1.300	0.000	0.000	259.953	259.953	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(a) For Lift 0m to 1.5m	1			18.600	2.100	0.000	0.000	62.437	62.437	
	(b) For Lift 1.5m to 3.0m	1			18.600	1.700	0.000	0.000	705.230	705.230	
	(c) For Lift 3.0m to 4.5m	1			18.600	1.300	0.000	0.000	1578.855	1578.855	
	(d) For Lift 4.5m to 6.0m	1			18.600	1.300	0.000	0.000	665.695	665.695	
	(e) For Lift 6.0m to 7.5m	1			18.600	1.300	0.000	0.000	880.546	880.546	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			18.600	1.300	0.200	4.836	918.376	923.212	
	Item No. : 11 Transportation of earth Transportation charges including							11.005	1103.050	1114.055	
	Item No.17 (c) :- Lowering & Laying RHC NPS class pipe of 500mm Dia	1			20.000			20.000	152.500	172.500	
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation = A							110.832			
	Deduction										
	pipe area	1		0.785	18.600	0.650	0.650	6.17			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							4.84			
	Total = B							11.00			
		Net Qty = A - B						99.83	21244.346	21344.173	



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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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K Sewer 9th RA (C) Kabara Nagar-500

9th R A BILL MEASUREMENTS

Branch Sewer K at Kabara Nagar

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	500mm Dia- Kabara Nagar										
	Width of Trench - For Bottom Lift 0.00-1.50m- 0.5+0.15+0.15+0.5=1.3m										
	From Bottom Lift 1.50m-3.00m- 0.5+0.15+0.15+0.5+0.4=1.7m										
	From Bottom Lift 3.00m-4.50m- 0.5+0.15+0.15+0.5+0.4+0.4=2.1m										
	K 114.13						1.60				
	CH0.00	570.035	568.635	568.435			2.403				
	CH29.00	571.778	568.772	568.572			3.21				
	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			26.10	1.700	1.000	44.370	7411.090	7455.460	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			26.10	1.700	0.500	22.185	1519.195	1541.380	
	(b) For Lift 1.5m to 3.0m	1			26.10	1.300	0.903	30.639	2751.044	2781.683	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			26.10	1.300	0.200	6.786	923.212	929.998	
	Item No. : 11 Transportation of earth Transportation charges including							15.442	1114.055	1129.497	
	Item No.17 (c) :- Lowering & Laying RCC NP3 class pipe of 500mm Dia	1			27.50			27.500	172.500	200.000	
	Item No 30 :- Refilling the excavated trenches ...							97.194			
	Total Excavation = A										
	Deduction							8.66			
	pipe area	1		0.785	26.10	0.650	0.650	0.00			
	soiling							0.00			
	PCC							6.79			
	Murum bedding							15.44			
	Total = B							81.75	21344.173	21425.924	
					Net Qty = A - B						
	K 114.13. 1										
	CH29.00	571.778	569.478	569.278			2.50	2.750			
	CH68.00	572.359	569.559	569.359			3.00				
	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			36.10	1.700	1.200	73.644	7455.460	7529.104	
	(b) For Lift 1.5m to 3.0m	1			36.10	1.300	0.800	37.544	4073.486	4111.030	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			36.10	1.700	0.200	12.274	1541.380	1553.654	
	(b) For Lift 1.5m to 3.0m	1			36.10	1.300	0.450	21.119	2781.683	2802.802	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			36.10	1.700	0.100	6.137	487.429	493.566	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			36.10	1.300	0.200	9.386	929.998	939.384	



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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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. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			41.10	1.700	0.200	13.974		1567.766	1581.740
	(b) For Lift 1.5m to 3.0m	1			41.10	1.300	1.000	53.430		2831.361	2884.791
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			41.10	1.700	0.100	6.987		500.622	507.609
	(b) For Lift 1.5m to 3.0m	1			41.10	1.300	0.400	21.372		854.162	875.534
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			41.10	1.300	0.200	10.686		948.120	958.806
	Item No. : 11 Transportation of earth Transportation charges including							24.317		1170.736	1195.053
	Item No.17 (c) :- Lowering & Laying RCC NP3 class pipe of 500mm Dia	1			42.50			42.500		272.500	315.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							179.607			
	Deduction										
	pipe area	1		0.785	41.10	0.650	0.650	13.63			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							10.69			
	Total = B							24.32			
								Net Qty = A - B		155.29	21733.475
	K 114.13. 4										
	CH148.50	572.452	570.552	570.352			2.10	2.401			
	CH187.50	573.146	570.645	570.445			2.70				
	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			36.10	1.700	1.200	73.644		7697.620	7771.264
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			36.10	1.700	0.200	12.274		1581.740	1594.014
	(b) For Lift 1.5m to 3.0m	1			36.10	1.300	0.500	23.465		2884.791	2908.254
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			36.10	1.700	0.100	6.137		507.609	513.746
	(b) For Lift 1.5m to 3.0m	1			36.10	1.300	0.401	18.819		875.534	894.353
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			36.10	1.300	0.200	9.386		958.806	968.192
	Item No. : 11 Transportation of earth Transportation charges including							21.359		1195.053	1216.412
	Item No.17 (c) :- Lowering & Laying RCC NP3 class pipe of 500mm Dia	1			37.50			37.500		315.000	352.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							134.339			
	Deduction										
	pipe area	1		0.785	36.10	0.650	0.650	11.97			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							9.39			



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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.

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K Sewer 9th RA (C) Kabara Nagar-500

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Total = B							21.36			
		Net Qty = A - B						112.98		21888.765	22001.745
	K 114.13. 5										
	CH187.50	573.146	570.845	570.645			2.50	2.851			
	CH251.50	574.001	571.001	570.801			3.20				
	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			61.10	1.700	1.200	124.644		7771.264	7895.908
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			61.10	1.700	0.200	20.774		1594.014	1614.788
	(b) For Lift 1.5m to 3.0m	1			61.10	1.300	1.000	79.430		2908.256	2987.686
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			61.10	1.700	0.100	10.387		513.746	524.133
	(b) For Lift 1.5m to 3.0m	1			61.10	1.300	0.351	27.880		894.353	922.232
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			61.10	1.300	0.200	15.886		968.192	984.078
	Item No. : 11 Transportation of earth Transportation charges including							36.151		1216.412	1252.563
	Item No.17 (c) :- Lowering & Laying RCC NP3 class pipe of 500mm Dia	1			62.50			62.500		352.500	415.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							263.115			
	Deduction										
	pipe area	1		0.785	61.10	0.650	0.650	20.26			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							15.89			
	Total = B							36.15			
		Net Qty = A - B						226.96		22001.745	22228.709
	K 114.13. 6										
	CH251.50	574.001	571.101	570.901			3.10	3.050			
	CH263.00	573.926	571.126	570.926			3.00				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			8.60	1.700	0.000	0.000		674.363	674.363
	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			8.60	1.700	1.200	17.544		7895.908	7913.452
	(b) For Lift 1.5m to 3.0m	1			8.60	1.300	0.000	0.000		4168.150	4168.150
	(c) For Lift 3.0m to 4.5m	1			8.60	1.300	0.000	0.000		393.658	393.658
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.60	1.700	0.200	2.924		1614.788	1617.712
	(b) For Lift 1.5m to 3.0m	1			8.60	1.300	1.000	11.180		2987.686	2998.866
	(c) For Lift 3.0m to 4.5m	1			8.60	1.300	0.000	0.000		2919.361	2919.361
	(d) For Lift 4.5m to 6.0m	1			8.60	1.300	0.000	0.000		166.230	166.230
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.60	1.700	0.100	1.462		524.133	525.595
	(b) For Lift 1.5m to 3.0m	1			8.60	1.300	0.500	5.590		922.232	927.822



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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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K Sewer 9th RA (C) Kabara Nagar-400mm

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Deduction										
	pipe area	1		0.785	15.90	0.550	0.550	3.78			
	soling							0.00			
	PCC							0.00			
	Murum bedding							3.82			
	Total = B							7.59			
		Net Qty = A - B							28.02	22310.879	22338
	K 114.13. 23										
24.02.2016	CH544.75	579.732	578.132	577.932			1.80	1.925			
	CH568.25	580.032	578.182	577.982			2.05				
	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			20.90	1.600	1.000	33.440	7976.492	8009	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			20.90	1.600	0.500	16.720	1646.688	1663	
	(b) For Lift 1.5m to 3.0m	1			20.90	1.200	0.425	10.659	3001.686	3012	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			20.90	1.200	0.200	5.016	995.770	1000	
	Item No. : 11 Transportation of earth Transportation charges including							9.979	1276.463	1286	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			22.5			22.500	42.500	65	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							60.819			
	Deduction										
	pipe area	1		0.785	20.90	0.550	0.550	4.96			
	soling							0.00			
	PCC							0.00			
	Murum bedding							5.02			
	Total = B							9.98			
		Net Qty = A - B							50.84	22338.904	2238
	K 114.13. 24										
26.02.2016	CH568.25	580.032	578.288	578.088			1.94	1.997			
	CH614.25	580.188	578.338	578.138			2.05				
	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			43.40	1.600	1.000	69.440	8009.932	8079	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			43.40	1.600	0.500	34.720	1663.408	1696	
	(b) For Lift 1.5m to 3.0m	1			43.40	1.200	0.497	25.884	3012.345	3038	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			43.40	1.200	0.200	10.416	1000.786	1000	
	Item No. : 11 Transportation of earth Transportation charges including							20.722	1286.442	1307	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			45.0			45.000	65.000	1314	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							130.044			
	Deduction										
	pipe area	1		0.785	43.40	0.550	0.550	10.31			
	soling							0.00			



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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.

K Sewer 9th RA (C) Kabara Nagar-400mm

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	PCC						0.00				
	Murum bedding						10.42				
	Total = B						20.72				
		Net Qty = A - B						109.32	22389.744	22499.066	
	K 114.13. 25										
27.02.2016	CH614.25	580.188	578.431	578.231		1.96	1.854				
	CH635.50	580.031	578.481	578.281		1.75					
	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			18.50	1.600	1.000	29.600	8079.372	8108.972	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.50	1.600	0.500	14.800	1698.128	1712.928	
	(b) For Lift 1.5m to 3.0m	1			18.50	1.200	0.353	7.837	3038.229	3046.066	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			18.50	1.200	0.200	4.440	1011.202	1015.642	
	Item No. : 11 Transportation of earth Transportation charges including							8.833	1307.164	1315.997	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			20.0			20.000	110.000	130.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							52.237			
	Deduction										
	pipe area	1		0.785	18.50	0.550	0.550	4.39			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							4.44			
	Total = B							8.83			
		Net Qty = A - B						43.40	22499.066	22542.469	
	K 114.13. 26										
05.03.2016	CH635.50	580.031	578.544	578.344		1.69	1.469				
	CH667.00	580.749	579.699	579.499		1.25					
	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			28.60	1.200	1.000	34.320	8108.972	8143.292	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			28.60	1.200	0.469	16.096	1712.928	1729.024	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			28.60	1.200	0.200	6.864	1015.642	1022.506	
	Item No. : 11 Transportation of earth Transportation charges including							13.655	1315.997	1329.652	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			30.0			30.000	130.000	160.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							50.416			
	Deductions										
	pipe area	1		0.785	28.60	0.550	0.550	6.79			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							6.86			
	Total = B							13.66			
		Net Qty = A - B						36.76	22542.469	22579.230	
	K 114.13. 27										
13.03.2016	CH635.50	580.749	578.705	578.505		2.24	1.797				
	CH667.50	579.955	578.805	578.605		1.35					



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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, Zaha, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zaha, 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. 191

5 K Sewer 9th RA (C) Kabara Nagar-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			13.98	0.960	0.200	2.683		1031.045	1033.728
	Item No. : 11 Transportation of earth Transportation charges including							4.267		1346.639	1350.906
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			15.0			15.000		0.000	15.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							13.684			
	Deduction										
	pipe area	1		0.785	13.98	0.380	0.380	1.58			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							2.68			
	Total = B							4.27			
	Net Qty = A - B							9.42		22644.182	22653.599
	K 114.13. 27										
18.03.2016	CH0.00	580.749	580.299	580.099			0.65	0.725			
	CH6.25	580.950	580.350	580.150			0.80				
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.98	0.960	0.725	2.767		8209.108	8211.875
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.98	0.960	0.200	0.763		1033.728	1034.491
	Item No. : 11 Transportation of earth Transportation charges including							1.214		1350.906	1352.120
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			5.0			5.000		15.000	20.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							2.767			
	Deduction										
	pipe area	1		0.785	3.98	0.380	0.380	0.45			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							0.76			
	Total = B							1.21			
	Net Qty = A - B							1.55		22653.599	22655.151
	K 114.13. 28										
20.03.2016	CH0.00	579.955	579.205	579.005			0.95	0.925			
	CH6.25	579.950	579.250	579.050			0.90				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			3.98	0.960	0.000	0.000		674.363	674.363
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.98	0.960	0.925	3.530		8211.875	8215.405
	(b) For Lift 1.5m to 3.0m	1			3.98	0.960	0.000	0.000		4168.150	4168.150
	(c) For Lift 3.0m to 4.5m	1			3.98	0.960	0.000	0.000		393.658	393.658
	(d) For Lift 4.5m to 6.0m	1			3.98	0.960	0.000	0.000		0.000	0.000
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.98	0.960	0.000	0.000		1750.419	1750.419
	(b) For Lift 1.5m to 3.0m	1			3.98	0.960	0.000	0.000		3054.477	3054.477



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

1 K Sewer 9th RA (C) K-400 Reliance Mall to Vishal

9th R A BILL MEASUREMENTS
Main Sewer Of "K" at RELAINCE MALL TO VIJAY CHOWK

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-relaince Mall to Vishal nagar										
	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										
	K R MV 5										
	CR262.50	588.400	584.260	584.060			4.34	4.270			
	CR276.50	588.320	584.320	584.120			4.20				
	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			11.10	2.000	1.200	26.640	8215.405	8242.045	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.10	2.000	0.150	3.330	1750.419	1753.749	
	(b) For Lift 1.5m to 3.0m	1			11.10	1.600	1.500	26.640	3054.477	3081.117	
	(c) For Lift 3.0m to 4.5m	1			11.10	1.200	1.270	16.916	2919.361	2936.277	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock										
	(a) For Lift 0 to 1.5m	1			11.10	2.000	0.150	3.330	525.595	528.925	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			11.10	1.200	0.200	2.664	1035.254	1037.918	
	Item No. : 11 Transportation of earth Transportation charges including							5.300	1353.334	1358.634	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			12.5			12.500	197.500	210.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							76.856			
	Deduction										
	pipe area	1		0.785	11.10	0.550	0.550	2.64			
	rolling							0.00			
	PCC							0.00			
	Murum bedding							2.66			
	Total = B							5.30			
					Net Qty = A - B			71.56	22657.468	22729.024	
	K R MV 6										
	CR276.50	588.320	584.790	584.590			3.73	3.990			
	CR308.00	588.915	584.865	584.665			4.25				
	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			28.60	2.000	1.200	68.640	8242.045	8310.685	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			28.60	2.000	0.150	8.580	1753.749	1762.329	
	(b) For Lift 1.5m to 3.0m	1			28.60	1.600	1.500	68.640	3081.117	3149.757	
	(c) For Lift 3.0m to 4.5m	1			28.60	1.200	0.990	33.977	2936.277	2970.254	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock										
	(a) For Lift 0 to 1.5m	1			28.60	2.000	0.150	8.580	528.925	537.505	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			28.60	1.200	0.200	6.864	1037.918	1044.782	
	Item No. : 11 Transportation of earth Transportation charges including							13.655	1358.634	1372.289	



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

Book No. :- 196
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K Sewer 9th RA (C) K-400 Reliance Mall to Vishal

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	CH402.50	591.260	586.160	585.960			5.30				
	CH441.50	591.553	586.253	586.053			5.50				
	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			36.10	2.400	1.200	103.968		8544.061	8648.029
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			36.10	2.400	0.150	12.996		1791.501	1804.497
	(b) For Lift 1.5m to 3.0m	1			36.10	2.000	1.500	108.300		3389.997	3498.297
	(c) For Lift 3.0m to 4.5m	1			36.10	1.600	1.500	86.640		3154.724	3241.364
	(d) For Lift 4.5m to 6.0m	1			36.10	1.200	0.900	38.988		186.822	225.810
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			36.10	2.400	0.150	12.996		566.677	579.673
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			36.10	1.200	0.200	8.664		1065.374	1074.038
	Item No. : 11 Transportation of earth Transportation charges including							17.236		1413.256	1430.492
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			37.5			37.500		330.000	367.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							363.888			
	Deduction										
	pipe area	1		0.785	36.10	0.550	0.550	8.57			
	soling							0.00			
	PCC							0.00			
	Murum bedding							8.66			
	Total = B							17.24			
	Net Qty = A - B							346.65		23625.581	23972.231
	K RMV 11										
	CH441.50	591.553	586.253	586.053			5.50	5.500			
	CH475.50	591.640	586.340	586.140			5.50	5.500			
	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			31.10	2.400	1.200	89.568		8648.029	8737.597
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			31.10	2.400	0.150	11.196		1804.497	1815.693
	(b) For Lift 1.5m to 3.0m	1			31.10	2.000	1.500	93.300		3498.297	3591.987
	(c) For Lift 3.0m to 4.5m	1			31.10	1.600	1.500	74.640		3241.364	3316.647
	(d) For Lift 4.5m to 6.0m	1			31.10	1.200	1.000	37.320		225.810	3542.457
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			31.10	2.400	0.150	11.196		579.673	590.869
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			31.10	1.200	0.200	7.464		1074.038	1081.502
	Item No. : 11 Transportation of earth Transportation charges including							14.849		1430.492	1445.341
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			32.5			32.500		367.500	412.841
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							317.220			
	Deduction										



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and Zone Salim Ali, Construction, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchawadi), 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 (Kanchawadi) STP and Ward No.98 to STP for Aurangabad City.

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K Sewer 9th RA (C) K-400 Reliance Mall to Vishal

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	pipe area	1		0.785	31.10	0.550	0.550	7.39			
	soling							0.00			
	PCC							0.00			
	Murum bedding							7.46			
	Total = B							14.85			
				Net Qty = A - B				302.37		23972.233	24274.604
	K RMV 12										
	CH475.50	591.640	586.340	586.140			5.50	5.900			
	CH517.00	592.536	586.436	586.236			6.30				
	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			38.60	2.400	1.200	111.168		8737.597	8848.765
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			38.60	2.400	0.150	13.896		1815.693	1829.589
	(b) For Lift 1.5m to 3.0m	1			38.60	2.000	1.500	115.800		3591.597	3707.397
	(c) For Lift 3.0m to 4.5m	1			38.60	1.600	1.500	92.640		3316.004	3408.644
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			38.60	2.400	0.150	13.896		590.869	604.765
	(d) For Lift 4.5m to 6.0m	1			38.60	1.200	0.250	11.580		259.953	271.533
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(d) For Lift 4.5m to 6.0m	1			38.60	1.200	1.150	53.268		691.435	744.703
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			38.60	1.200	0.200	9.264		1081.502	1090.766
	Item No. : 11 Transportation of earth Transportation charges including							18.430		1445.341	1463.771
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			40.0			40.000		400.000	440.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							412.248			
	Deduction										
	pipe area	1		0.785	38.60	0.550	0.550	9.17			
	soling							0.00			
	PCC							0.00			
	Murum bedding							9.26			
	Total = B							18.43			
				Net Qty = A - B				393.82		24274.604	24668.422
	K RMV 13										
	CH517.00	592.536	586.936	586.736			5.80	5.850			
	CH532.75	592.685	586.985	586.785			5.90				
	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			14.30	2.400	1.200	41.184		8848.765	8889.949
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.30	2.400	0.150	5.148		1829.589	1834.737
	(b) For Lift 1.5m to 3.0m	1			14.30	2.000	1.500	42.900		3707.397	3750.297
	(c) For Lift 3.0m to 4.5m	1			14.30	1.600	1.500	34.320		3408.644	3442.964
	(d) For Lift 4.5m to 6.0m	1			14.30	1.200	1.350	23.166		263.130	286.296
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			14.30	2.400	0.150	5.148		604.765	609.913



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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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K Sewer 9th RA (C) K-400 Reliance Mall to Vishal

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			14.30	1.200	0.200	3.432		1090.766	1094.198
	Item No. : 11 Transportation of earth Transportation charges including							6.828		1463.771	1470.599
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			15.0			15.000		440.000	455.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							151.866			
	Deduction										
	pipe area	1		0.785	14.30	0.550	0.550	3.40			
	soling							0.00			
	PCC							0.00			
	Murum bedding							3.43			
	Total = B							6.83			
					Net Qty = A - B			145.04		24668.422	24813.460
	CH532.75	592.685	586.985	586.785			5.90	6.050			
	CH552.75	593.035	587.035	586.835			6.20				
	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			20.00	2.400	1.200	57.600		8889.949	8947.549
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.400	0.150	7.200		1834.737	1841.937
	(b) For Lift 1.5m to 3.0m	1			20.00	2.000	1.500	60.000		3750.297	3810.297
	(c) For Lift 3.0m to 4.5m	1			20.00	1.600	1.500	48.000		3442.964	3490.964
	(d) For Lift 4.5m to 6.0m	1			20.00	1.200	1.500	36.000		286.296	322.296
	Extra Item:- for lift 6.0 to 7.5 m	1			20.00	1.200	0.050	1.200		0.000	1.200
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	2.400	0.150	7.200		609.913	617.113
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			20.00	1.200	0.200	4.800		1094.198	1098.998
	Item No. : 11 Transportation of earth Transportation charges including							9.549		1470.599	1480.148
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			20.0			20.000		455.000	475.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							217.200			
	Deduction										
	pipe area	1		0.785	20.00	0.550	0.550	4.75			
	soling							0.00			
	PCC							0.00			
	Murum bedding							4.80			
	Total = B							9.55			
					Net Qty = A - B			207.65		24813.460	25021.110
	CH552.75	593.035	587.035	586.835			6.20	6.383			
	CH576.00	593.450	587.085	586.885			6.57				
	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	2.800	1.200	73.248		8947.549	9020.797



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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M. S. K. Infrastructures Pvt Ltd. & GECPI (Joint Venture)

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K Sewer 9th RA (C) K-400 Reliance Mall to Vishal

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE
		GL	No IL	EX.L	L	B		D	Page	
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murum etc complete.									
	(a) For Lift 0 to 1.5m	1			21.80	2.800	0.150	9.156		
	(b) For Lift 1.5m to 3.0m	1			21.80	2.400	1.500	78.480	1841.937	1851.093
	(c) For Lift 3.0m to 4.5m	1			21.80	2.000	1.500	65.400	3810.297	3888.777
	(d) For Lift 4.5m to 6.0m	1			21.80	1.600	1.500	52.320	3490.964	3556.364
	Extra Item:- for lift 6.0 to 7.5 m	1			21.80	1.200	0.383	10.019	322.296	374.616
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.								1.200	11.219
	(a) For Lift 0 to 1.5m	1			21.80	2.800	0.150	9.156		
	Item No. 7 - Filling in plinth and floors/ trenches etc complete (bedding)	1			21.80	1.200	0.200	5.232	617.113	626.269
	Item No. : 11 Transportation of earth Transportation charges including							10.409		
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			22.5			22.500	1480.148	1490.557
	Item No 30 :- Refilling the excavated trenches ..								475.000	497.500
	Total Excavation = A							297.779		
	Deduction									
	pipe area	1		0.785	21.80	0.550	0.550	5.18		
	soiling							0.00		
	PCC							0.00		
	Murum bedding							5.23		
	Total = B							10.41		
								Net Qty = A - B		
								287.37	25021.111	25308.481
	K RMV 14									
	CH576.00	593.450	587.585	587.385						
	CH590.00	593.415	587.615	587.415			6.07	6.033		
	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			11.10	2.400	1.200	31.968		
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murum etc complete.									
	(a) For Lift 0 to 1.5m	1			11.10	2.400	0.150	3.996	9020.797	9052.765
	(b) For Lift 1.5m to 3.0m	1			11.10	2.000	1.500	33.300	1851.093	1855.089
	(c) For Lift 3.0m to 4.5m	1			11.10	1.600	1.500	26.640	3888.777	3922.077
	(d) For Lift 4.5m to 6.0m	1			11.10	1.200	1.500	19.980	3556.364	3583.004
	Extra Item:- for lift 6.0 to 7.5 m	1			11.10	1.200	0.333	0.440	374.616	394.596
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.								11.219	11.659
	(a) For Lift 0 to 1.5m	1			11.10	2.400	0.150	3.996		
	Item No. 7 - Filling in plinth and floors/ trenches etc complete (bedding)	1			11.10	1.200	0.200	2.664	626.269	630.265
	Item No. : 11 Transportation of earth Transportation charges including							5.300		
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			12.5			12.500	1490.557	1495.857
	Item No 30 :- Refilling the excavated trenches ..								497.500	510.000
	Total Excavation = A							120.320		
	Deduction									
	pipe area	1		0.785	11.10	0.550	0.550	2.64		
	soiling							0.00		
	PCC							0.00		



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