

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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Kille ark-03 250mm RCC MB

9th R A BILL MEASUREMENTS

KILLE ARK-03

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	RCC 250mm Dia										
	Width of Trench - For Bottom Lift 0.00-1.50m- 0.25+0.06+0.06+0.5=0.87m										
	From Bottom Lift 1.50m-3.00m- 0.25+0.06+0.06+0.5+0.4=1.27m										
	From Bottom Lift 3.00m-4.50m- 0.25+0.06+0.06+0.5+0.4+0.4 = 1.67m										
	KAR1 TO KAR2										
	CH0.00	570.595	569.535	569.335			1.26	1.245			
	CH8.40	570.645	569.615	569.415			1.23				
	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			6.400	0.870	0.945	5.262	0.000	5.262	
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murum etc complete										
	(a) For Lift 0 to 1.5m	1			6.400	0.870	0.200	1.114	0.000	1.114	
	Item No. 4 - Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.400	0.870	0.100	0.557	0.000	0.557	
	Item No. 7 - Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.400	0.870	0.200	1.114	0.000	1.114	
	Item No. : 11 Transportation of earth Transportation charges including							1.596	0.000	1.596	
	Extra item 9.4: Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			7.500			7.500	0.000	7.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							6.932			
	Deduction										
	pipe area	1		0.785	6.400	0.310	0.310	0.483			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.114			
	Total = B							1.596			
	Net Qty = A - B							5.336	0.000	5.336	
	KAR2 TO KAR3										
	CH8.40	570.645	569.615	569.415			1.23	1.225			
	CH14.30	570.685	569.665	569.465			1.22				
	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			3.900	0.870	0.925	3.139	5.262	8.400	
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.200	0.679	1.114	1.792	
	Item No. 4 - Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.100	0.339	0.557	0.896	
	Item No. 7 - Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.900	0.870	0.200	0.679	1.114	1.792	



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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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kille ark-03 250mm RCC MB

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. : 11 Transportation of earth Transportation charges including							0.973		1.596	2.569
	Extra item 9.4 : Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			5.000			5.000		7.500	12.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							4.156			
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.679			
	Total = B							0.973			
	Net Qty = A - B							3.184		5.336	8.519
	KAR3 TO KAR4										
	CH14.30	570.685	569.665	569.465			1.22	1.240			
	CH20.20	570.795	569.735	569.535			1.26				
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.940	3.189		8.400	11.590
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.200	0.679		1.792	2.471
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.100	0.339		0.896	1.235
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.900	0.870	0.200	0.679		1.792	2.471
	Item No. : 11 Transportation of earth Transportation charges including							0.973		2.569	3.542
	Extra item 9.4 : Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			5.000			5.000		12.500	17.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							4.207			
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.679			
	Total = B							0.973			
	Net Qty = A - B							3.235		8.519	11.754
	KAR4 TO KAR5										
	CH20.20	570.795	569.735	569.535			1.26	1.315			
	CH26.10	570.985	569.815	569.615			1.37				
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	1.015	3.444		11.590	15.034
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.200	0.679		2.471	3.149
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.100	0.339		1.235	1.575



S.P.P

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)

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killark-03 250mm RCC MB

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			3.900	0.870	0.200	0.679		2.471	3.149
	Item No. : 11 Transportation of earth Transportation charges including							0.973		3.542	4.515
	Extra item 9.4 : Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			5.000			5.000		17.500	22.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							4.462			
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.679			
	Total = B							0.973			
				Net Qty = A - B				3.489		11.754	15.243
	KAR5 TO KAR6										
	CH26.10	570.985	569.815	569.615			1.37				
	CH34.50	571.155	570.155	569.955			1.20	1.285			
	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			6.400	0.870	0.985	5.484		15.034	20.518
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.400	0.870	0.200	1.114		3.149	4.263
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.400	0.870	0.100	0.557		1.575	2.132
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.400	0.870	0.200	1.114		3.149	4.263
	Item No. : 11 Transportation of earth Transportation charges including							1.596		4.515	6.111
	Extra item 9.4 : Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			7.500			7.500		22.500	30.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							7.155			
	Deduction										
	pipe area	1		0.785	6.400	0.310	0.310	0.483			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.114			
	Total = B							1.596			
				Net Qty = A - B				5.558		15.243	20.801
	KAR06 TO KAR07										
	CH34.50	571.155	570.155	569.955			1.20				
	CH40.40	571.215	570.215	570.015			1.20	1.200			
	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			3.900	0.870	0.900	3.054		20.518	23.572
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.200	0.679		4.263	4.942



Pol A

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

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killark-03 250mm RCC MB

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. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.100	0.339		2.132	2.471
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.900	0.870	0.200	0.679		4.263	4.942
	Item No. : 11 Transportation of earth Transportation charges including							0.973		6.111	7.084
	Extra item 9.4 : Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			5.000			5.000		30.000	35.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							4.072			
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.679			
	Total = B							0.973			
					Net Qty = A - B			3.099		20.801	23.900
	KAR07 TO KAR08										
	CH40.40	571.215	570.215	570.015			1.20				
	CH46.30	571.385	570.415	570.215			1.17	1.185			
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.885	3.003		23.572	26.575
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.200	0.679		4.942	5.620
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.100	0.339		2.471	2.810
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.900	0.870	0.200	0.679		4.942	5.620
	Item No. : 11 Transportation of earth Transportation charges including							0.973		7.084	8.057
	Extra item 9.4 : Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			5.000			5.000		35.000	40.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							4.021			
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.679			
	Total = B							0.973			
					Net Qty = A - B			3.048		23.900	26.948
	KAR08 TO KAR09										
	CH46.30	571.385	570.415	570.215			1.17				
	CH52.20	571.735	570.685	570.485			1.25	1.210			
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.910	3.088		26.575	29.662



Zalta

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)

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Kille ark-03 250mm RCC MB

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			3.900	0.870	0.200	0.679		5.620	6.299
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.100	0.339		2.810	3.149
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.900	0.870	0.200	0.679		5.620	6.299
	Item No. : 11 Transportation of earth Transportation charges including							0.973		8.057	9.030
	Extra item 9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			5.000			5.000		40.000	45.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							4.106			
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.679			
	Total = B							0.973			
					Net Qty = A - B			3.133		26.948	30.081
	KAR09 TO KAR10										
	CH52.20	571.735	570.685	570.485			1.25	1.250			
	CH60.60	572.065	571.015	570.815			1.25				
	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			6.400	0.870	1.250	6.960		29.662	36.622
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.400	0.870	0.200	1.114		6.299	7.412
	Item No. : 11 Transportation of earth Transportation charges including							1.596		9.030	10.626
	Extra item 9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			7.500			7.500		45.000	52.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							6.960			
	Deduction										
	pipe area	1		0.785	6.400	0.310	0.310	0.483			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.114			
	Total = B							1.596			
					Net Qty = A - B			5.364		30.081	35.444
	KAR10 TO KAR11										
	CH60.60	572.065	571.015	570.815			1.25	1.300			
	CH71.50	572.295	571.145	570.945			1.35				
	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			8.900	0.870	1.300	10.066		36.622	46.688
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.900	0.870	0.200	1.549		7.412	8.961
	Item No. : 11 Transportation of earth Transportation charges including							2.220		10.626	12.846



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kille ark-03 250mm RCC MB

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	HL	EX.L							
	Extra item 9.4 - Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			10.000			10.000		52.500	62.500
	Item No 30 - Refilling the excavated trenches										
	Total Excavation = A							10.066			
	Deduction										
	pipe area	1		0.785	8.900	0.310	0.310	0.671			
	soling							0.000			
	PCC							0.000			
	Murram bedding							1.549			
	Total = B							2.220			
								7.846		35.444	43.290
	KAR4 TO KAR4.1										
	CH0.00	570.795	569.735	569.535			1.26	1.245			
	CH10.90	570.915	569.885	569.685			1.23				
	Item No. 1 - Excavation for foundation/pipe trenches in all types of soil & soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			8.900	0.870	0.945	7.317		46.688	54.005
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			8.900	0.870	0.250	1.936		6.299	8.235
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.900	0.870	0.050	0.387		3.149	3.537
	Item No. 7 - Filling in plinth and floors/ trenches etc complete (bedding)	1			8.900	0.870	0.200	1.549		8.961	10.510
	Item No. : 11 Transportation of earth Transportation charges including							2.220		12.846	15.066
	Extra item 9.4 - Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			10.000			10.000		62.500	72.500
	Item No 30 - Refilling the excavated trenches										
	Total Excavation = A							9.640			
	Deduction										
	pipe area	1		0.785	8.900	0.310	0.310	0.671			
	soling							0.000			
	PCC							0.000			
	Murram bedding							1.549			
	Total = B							2.220			
								7.420		43.290	50.710
	KAR4.1 TO KAR4.2										
	CH10.90	570.915	569.885	569.685			1.23	1.210			
	CH19.30	571.035	570.045	569.845			1.19				
	Item No. 1 - Excavation for foundation/pipe trenches in all types of soil & soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			6.400	0.870	0.910	5.067		54.005	59.072
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			6.400	0.870	0.250	1.392		8.235	9.627
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.400	0.870	0.050	0.278		3.537	3.815
	Item No. 7 - Filling in plinth and floors/ trenches etc complete (bedding)	1			6.400	0.870	0.200	1.114		10.510	11.623



Palp

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kille ark-03 250mm RCC MB

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. : 11 Transportation of earth Transportation charges including							1.596		15.066	16.662
	Extra Item 9.4 : Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			7.500			7.500		72.500	80.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							6.737			
	Deduction										
	pipe area	1		0.785	6.400	0.310	0.310	0.483			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.114			
	Total = B							1.596			
								Net Qty = A - B		50.710	55.851
	KAR4.2 TO KAR4.3										
	CH19.30	571.035	570.045	569.845			1.19	1.180			
	CH22.70	571.085	570.115	569.915			1.17				
	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			1.400	0.870	0.880	1.072		59.072	60.144
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.400	0.870	0.250	0.305		9.627	9.931
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.400	0.870	0.050	0.061		3.815	3.876
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.400	0.870	0.200	0.244		11.623	11.867
	Item No. : 11 Transportation of earth Transportation charges including							0.349		16.662	17.012
	Extra Item 9.4 : Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			2.500			2.500		80.000	82.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							1.437			
	Deduction										
	pipe area	1		0.785	1.400	0.310	0.310	0.106			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.244			
	Total = B							0.349			
								Net Qty = A - B		55.851	56.939
	KAR4.3 TO KAR4.4										
	CH22.70	571.085	570.115	569.915			1.17	1.125			
	CH31.10	570.995	570.115	569.915			1.08				
	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			6.400	0.870	0.825	4.594		60.144	64.738
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.400	0.870	0.250	1.392		9.931	11.323
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.400	0.870	0.050	0.278		3.876	4.154



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

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

killark-03 250mm RCC MB

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		GL	No		L	B	D		Page	Quantity	
			IL	EXL							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.400	0.870	0.200	1.114		11.867	12.980
	Item No. : 11 Transportation of earth Transportation charges including							1.596		17.012	18.608
	Extra item 9.4 : Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			7.500			7.500		82.500	90.000
	Item No 30 :- Refilling the excavated trenches ...							6.264			
	Total Excavation = A										
	Deduction										
	pipe area	1		0.785	6.400	0.310	0.310	0.483			
	soling							0.000			
	PCC							0.000			
	Murram bedding							1.114			
	Total = B							1.596			
					Net Qty = A - B			4.668		56.939	61.607
	KAR4.4 TO KAR4.5										
	CH31.10	570.995	570.115	569.915				1.08	1.080		
	CH37.00	571.065	570.185	569.985				1.08			
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.780	2.647		64.738	67.384
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.250	0.848		11.323	12.171
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.050	0.170		4.154	4.324
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.900	0.870	0.200	0.679		12.980	13.659
	Item No. : 11 Transportation of earth Transportation charges including							0.973		18.608	19.581
	Extra item 9.4 : Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			5.000			5.000		90.000	95.000
	Item No 30 :- Refilling the excavated trenches ...							3.664			
	Total Excavation = A										
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.679			
	Total = B							0.973			
					Net Qty = A - B			2.692		61.607	64.298
	KAR4.5 TO KAR4.6										
	CH37.00	571.065	570.185	569.985				1.08	1.055		
	CH42.90	571.115	570.285	570.085				1.03			
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.755	2.562		67.384	69.946
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.250	0.848		12.171	13.020



SP-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.

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

Authority No. AMC/Ward D & C/UDS/SM/2014/11/1.D. - 01.07.2014

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killark-03 250mm RCC MB

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. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.050	0.170		4.324	4.494
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.900	0.870	0.200	0.679		13.659	14.338
	Item No. : 11 Transportation of earth Transportation charges including							0.973		19.581	20.554
	Extra item 9.4 Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			5.000			5.000		95.000	100.000
	Item No 30 :- Refilling the excavated trenches.							3.580			
	Total Excavation = A										
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soling							0.000			
	PCC							0.679			
	Murram bedding							0.973			
	Total = B							2.607		64.298	66.905
					Net Qty = A - B						
	KAR4.6 TO KAR4.7										
	CH42.90	571.115	570.285	570.085				1.03	1.040		
	CH48.80	571.185	570.335	570.135				1.05			
	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			3.900	0.870	0.740	2.511		69.946	72.457
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.250	0.848		13.020	13.868
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.050	0.170		4.494	4.663
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.900	0.870	0.200	0.679		14.338	15.016
	Item No. : 11 Transportation of earth Transportation charges including							0.973		20.554	21.527
	Extra item 9.4 : Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			5.000			5.000		100.000	105.000
	Item No 30 :- Refilling the excavated trenches.							3.529			
	Total Excavation = A										
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soling							0.000			
	PCC							0.679			
	Murram bedding							0.973			
	Total = B							2.556		66.905	69.461
					Net Qty = A - B						
	KAR4.7 TO KAR4.8										
	CH48.80	571.185	570.335	570.135				1.05	1.080		
	CH54.70	571.305	570.395	570.195				1.11			
	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			3.900	0.870	0.780	2.647		72.457	75.103



Spaht

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.

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

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killark-03 250mm RCC MB

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		GL	No		L	B	D		Page	Quantity	
			IL	EXL							
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.200	0.679		13.868	14.546
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.100	0.339		4.663	5.003
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.200	0.679		15.016	15.695
	Item No. : 11 Transportation of earth Transportation charges including							0.973		21.527	22.499
	Extra Item 9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia										
	(a) For Lift 0 to 1.5m	1			5.000			5.000		105.000	110.000
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation = A							3.664			
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.679			
	Total = B							0.973			
	Net Qty = A - B							2.692		69.461	72.153
	KAR4.8 TO KAR4.9										
	CH54.70	571.305	570.395	570.195				1.11	1.080		
	CH60.60	571.385	570.535	570.335				1.05			
	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			3.900	0.870	0.780	2.647		75.103	77.750
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.200	0.679		14.546	15.225
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.100	0.339		5.003	5.342
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.200	0.679		15.695	16.373
	Item No. : 11 Transportation of earth Transportation charges including							0.973		22.499	23.472
	Extra Item 9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia										
	(a) For Lift 0 to 1.5m	1			5.000			5.000		110.000	115.000
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation = A							3.664			
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.679			
	Total = B							0.973			
	Net Qty = A - B							2.692		72.153	74.844
	KAR4.9 TO KAR4.10										
	CH60.60	571.385	570.535	570.335				1.05	1.025		
	CH60.50	571.435	570.635	570.435				1.00			



Paula

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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killark-03 250mm RCC MB

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. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.725	2.460	77.750	80.210	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.200	0.679	15.225	15.904	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.100	0.339	5.342	5.681	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.900	0.870	0.200	0.679	16.373	17.052	
	Item No. : 11 Transportation of earth Transportation charges including							0.973	23.472	24.445	
	Extra item 9.4 : Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			5.000			5.000	115.000	120.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							3.478			
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.679			
	Total = B							0.973			
					Net Qty = A - B			2.505	74.844	77.349	
	KAR4.10 TO KAR4.11										
	CH66.50	571.435	570.635	570.435			1.00	0.935			
	CH69.90	571.565	570.895	570.695			0.87				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of										
	(a) For Lift 0 to 1.5m	1			1.400	0.870	0.635	0.773	80.210	80.983	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.400	0.870	0.200	0.244	15.904	16.147	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock										
	(a) For Lift 0 to 1.5m	1			1.400	0.870	0.100	0.122	5.681	5.803	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.400	0.870	0.200	0.244	17.052	17.296	
	Item No. : 11 Transportation of earth Transportation charges including							0.349	24.445	24.794	
	Extra item 9.4 : Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			2.500			2.500	120.000	122.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							1.139			
	Deduction										
	pipe area	1		0.785	1.400	0.310	0.310	0.106			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.244			
	Total = B							0.349			
					Net Qty = A - B			0.790	77.349	78.139	
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.12			0.12	0.00	0.122	



Starlap

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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kille ark-03 250mm RCC Chamber Measurement

9th R A BILL MEASUREMENTS OF CHEMBERS KILLE ARK-03

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total U/ Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth - 0.9+0.5+0.3+0.3=2m Area for chamber up to 1.5m=2 X 2=4m KAR1 CH0.00										
		570.595	569.535	569.285			1.310				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils. Soft murrum etc complete. (a) For Lift 0 to 1.5m	1			0.785	4.000	1.010	3.171	0.000	3.171	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	0.000	0.628	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.000	0.314	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading Item No. 30 :- Refilling the excavated trenches ...							1.597	0.000	1.597	
	Total Excavation(A)=							4.113			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.060	1.12			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.60			
	Net Qty = A - B							2.52	0.000	2.52	
	KAR2 CH8.40										
		570.645	569.615	569.365			1.280				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils. Soft murrum etc complete. (a) For Lift 0 to 1.5m	1			0.785	4.000	0.980	3.077	3.171	6.249	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	0.628	1.256	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.314	0.628	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading Item No. 30 :- Refilling the excavated trenches ...							1.566	1.597	3.163	
	Total Excavation(A)=							4.019			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.030	1.09			



SPST

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, Sangabad City.

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

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killark-03 250mm RCC Chamber Measurement

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Up Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.57			
		Net Qty = A - B								2.516	4.970.5
	KAR3										
	CH14.30	570.685	569.665	569.415			1.270				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.970	3.046	6.249	9.294	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	1.256	1.884	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.628	0.942	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.555	3.163	4.718	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.988			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.020	1.08			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.56			
		Net Qty = A - B								4.970	7.403
	KAR4										
	CH20.20	570.795	569.735	569.485			1.310				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.010	3.171	9.294	12.466	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	1.884	2.512	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.942	1.256	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.597	4.718	6.315	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.113			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.060	1.12			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			



SP/14

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 arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	Murrum bedding						0.00				
	Total (B)						1.60				
		Net Qty = A - B									
	KAR5						2.52		7.403	9.919	
	CH26.10	570.985	569.815	569.565			1.420				
	Item No. 1 :- Excavation for										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.120	3.517	12.466	15.983	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	2.512	3.140	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	1.256	1.570	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.713	6.315	8.029	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.459				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.170	1.24			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)						1.71				
		Net Qty = A - B									
	KAR6						2.75		9.919	12.664	
	CH34.50	571.155	570.155	569.905			1.250				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils. Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.950	2.983	15.983	18.966	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	3.140	3.768	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	1.570	1.884	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.534	8.029	9.562	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.925				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.000	1.06			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)						1.53				
		Net Qty = A - B									
							2.39		12.664	15.055	



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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 CIDCO, Aurangabad City.

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kille ark-03 250mm RCC Chamber Measurement

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
KAR7											
CH40.40		571.215	570.215	569.965			1.250				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.950	2.983	18.966	21.949	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	3.768	4.396	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	1.884	2.198	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							1.534	9.562	11.096	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.925			
	Deduction										
	Brick work	1.00			0.785	1.16	1.16	1.000	1.06		
	soling								0.00		
	PCC	1.00			0.785	1.56	1.56	0.25	0.48		
	Murrum bedding								0.00		
	Total (B)							1.53			
					Net Qty = A - B			2.39	15.055	17.446	
KAR8											
CH46.30		571.385	570.415	570.165			1.220				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.920	2.889	21.949	24.837	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	4.396	5.024	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	2.198	2.512	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							1.502	11.096	12.599	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.831			
	Deduction										
	Brick work	1.00			0.785	1.16	1.16	0.970	1.02		
	soling								0.00		
	PCC	1.00			0.785	1.56	1.56	0.25	0.48		
	Murrum bedding								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 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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killark-03 250mm RCC Chamber Measurement

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Total (B)						1.50				
		Net Qty = A - B					2.33		17.446	19.775	
	KAR9										
	CH52.20	571.735	570.685	570.435			1.300				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.300	4.082	24.837	28.919	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading						1.587		12.599	14.185	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.082				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.050	1.11			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)						1.59				
		Net Qty = A - B					2.50		19.775	22.270	
	KAR10										
	CH60.60	572.065	571.015	570.765			1.300				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.300	4.082	28.919	33.001	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading						1.587		14.185	15.772	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.082				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.050	1.11			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)						1.59				
		Net Qty = A - B					2.50		22.270	24.765	
	KAR11										
	CH71.50	572.295	571.145	570.895			1.400				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.400	4.396	33.001	37.397	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading						1.692		15.772	17.464	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.396				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.150	1.21			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			



SPSP

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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kille ark-03 250mm RCC Chamber Measurement

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Murum bedding						0.00				
	Total (B)						1.69				
		Net Qty = A - B									
	KAR4.1										
	CH10.90	570.915	569.885	569.635			1.280				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.980	3.077	37.397	40.475	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785	5.024	5.809	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.050	0.157	2.512	2.669	
	Item No. : 11 Transportation of earth Transportation charges							1.566	17.464	19.030	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.019				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.030	1.09			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)						1.57				
		Net Qty = A - B									
	KAR4.2										
	CH19.30	571.035	570.045	569.795			1.240				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.940	2.952	40.475	43.426	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785	5.809	6.594	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.050	0.157	2.669	2.826	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.523	19.030	20.553	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.894				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.990	1.05			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)						1.52				
		Net Qty = A - B									
	KAR4.3										
	CH22.70	571.085	570.115	569.865			1.220				



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Safin 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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kille ark-03 250mm RCC Chamber Measurement

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 earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.920	2.889		43.426	46.315
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785		6.594	7.379
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.050	0.157		2.826	2.983
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.502		20.553	22.055
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.831			
	Deduction										
	Brick work	1.00			0.785	1.16	1.16	0.970			
	soling										
	PCC	1.00			0.785	1.56	1.56	0.25			
	Murrum bedding										
	Total (B)							1.50			
					Net Qty = A - B			2.33		32.293	34.622
	KAR4.4										
	CH31.10	570.995	570.115	569.865				1.130			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.830	2.606		46.315	48.921
	Item No. 2 :- Excavation for										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785		7.379	8.164
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.050	0.157		2.983	3.140
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.407		22.055	23.463
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.548			
	Deduction										
	Brick work	1.00			0.785	1.16	1.16	0.880			
	soling										
	PCC	1.00			0.785	1.56	1.56	0.25			
	Murrum bedding										
	Total (B)							1.41			
					Net Qty = A - B			2.14		34.622	36.763
	KAR4.5										
	CH37.00	571.065	570.185	569.935				1.130			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.830	2.606		48.921	51.527



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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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killark-03 250mm RCC Chamber Measurement

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 murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785		8.164	8.949	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.050	0.157		3.140	3.297	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.407		23.463	24.870	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							3.548				
	Deduction											
	Brick work	1.00		0.785	1.16	1.16	0.880	0.93				
	soling							0.00				
	PCC	1.00		0.785	1.56	1.56	0.25	0.48				
	Murrum bedding							0.00				
	Total (B)							1.41				
		Net Qty = A - B							2.14		36.763	38.904
	KAR4.6	0.9mX0.6m MH										
	CH42.90	571.115	570.285	570.035			1.080					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.780	2.652		51.527	54.179	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.250	0.850		8.949	9.799	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.050	0.170		3.297	3.467	
	Item No. : 11 Transportation of earth Transportation charges							1.798		24.870	26.668	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							3.672				
	Deduction											
	Brick work	1.00		1	1.40	1.10	0.830	1.28				
	soling							0.00				
	PCC	1.00		1	1.60	1.30	0.25	0.52				
	Murrum bedding							0.00				
	Total (B)							1.80				
		Net Qty = A - B							1.87		38.904	40.778
	KAR4.7	0.9mX0.6m MH										
	CH48.80	571.185	570.335	570.085			1.100					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.800	2.720		54.179	56.899	
	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 Safim A&B. 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)

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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.250	0.850	9.799	10.649	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.050	0.170	3.467	3.637	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.829	26.668	28.497	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.740			
	Deduction										
	Brick work	1.00		1	1.40	1.10	0.850	1.31			
	soling							0.00			
	PCC	1.00		1	1.60	1.30	0.25	0.52			
	Murram bedding							0.00			
	Total (B)							1.83			
								Net Qty = A - B	1.91	40.778	
	KAR4.8									42.689	
	CH54.70	571.305	570.395	570.145			1.160				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.860	2.924	56.899	59.823	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.200	0.680	10.649	11.329	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.100	0.340	3.637	3.977	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.921	28.497	30.418	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.944			
	Deduction										
	Brick work	1.00		1	1.40	1.10	0.910	1.40			
	soling							0.00			
	PCC	1.00		1	1.60	1.30	0.25	0.52			
	Murram bedding							0.00			
	Total (B)							1.92			
								Net Qty = A - B	2.02	42.689	
	KAR4.9									44.714	
	CH50.60	571.385	570.535	570.285			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.800	2.512	59.823	62.335	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	11.329	11.957	



Print

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zohe 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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kille ark-03 250mm RCC Chamber Measurement

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		3.977	4.291
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.375		30.418	31.794
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.454			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.850	0.90			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.38			
					Net Qty = A - B			2.08		44.711	46.790
	KAR4.10										
	CH66.50	571.435	570.635	570.385			1.050				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.750	2.355		62.335	64.690
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628		11.957	12.585
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		4.291	4.605
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.323		31.794	33.116
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.297			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.800	0.85			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.32			
					Net Qty = A - B			1.97		46.790	48.764
	KAR4.11										
	CH69.90	571.565	570.895	570.645			0.920				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.620	1.947		64.690	66.637
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628		12.585	13.213
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										



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

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

Authority No. AMC/W/188/G/11/2008

kille ark-03 250mm RCC CHAMBER

9th R A BILL MEASURMENTS CHEMBER KILLE ARK-03

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr For per 30 cm	Total Rebate Qty for 30 cm	
		No					
		GL	IL	DEPTH			
A	Extra Item,02: Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	KAR1	570.595	569.535	1.060	1.500	-0.44	-32.90
2	KAR2	570.645	569.615	1.030	1.500	-0.47	
3	KAR3	570.685	569.665	1.020	1.500	-0.48	
4	KAR4	570.795	569.735	1.060	1.500	-0.44	
5	KAR5	570.985	569.815	1.170	1.500	-0.33	
6	KAR6	571.155	570.155	1.000	1.500	-0.50	
7	KAR7	571.215	570.215	1.000	1.500	-0.50	
8	KAR8	571.385	570.415	0.970	1.500	-0.53	
9	KAR9	571.735	570.685	1.050	1.500	-0.45	
10	KAR10	572.065	571.015	1.050	1.500	-0.45	
11	KAR11	572.295	571.145	1.150	1.500	-0.35	
12	KAR4.1	570.915	569.885	1.030	1.500	-0.47	
13	KAR4.2	571.035	570.045	0.990	1.500	-0.51	
14	KAR4.3	571.085	570.115	0.970	1.500	-0.53	
15	KAR4.4	570.995	570.115	0.880	1.500	-0.62	
16	KAR4.5	571.065	570.185	0.880	1.500	-0.62	
17	KAR4.9	571.385	570.535	0.850	1.500	-0.65	
18	KAR4.10	571.435	570.635	0.800	1.500	-0.70	
19	KAR4.11	571.565	570.895	0.670	1.500	-0.83	
						-9.87	-32.90

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr For per 30 cm	Total Rebate Qty for 30 cm	
		No					
		GL	IL	DEPTH			
B	Extra Item,: Providing and constructing on sewer.BBM manhole 0.9 m X0.6m Size and up to a depth of 1.5 M etc., complete						
1	KAR4.6	571.115	570.285	0.830	1.500	-0.67	-6.37
2	KAR4.7	571.185	570.335	0.850	1.500	-0.65	
3	KAR4.8	571.305	570.395	0.910	1.500	-0.59	
						-1.91	-6.37



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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

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Name of
Author

Date of
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Kille ark-03 250mm RCC Quantity Node Abstract

9th R A BILL MEASUREMENTS

Branch Of Sewer " KILLE ARK-03"

SR NO	Description	MB/PG	ITEM 1		ITEM 2		ITEM 4		ITEM 7		ITEM 11		ITEM 30		ITEM 36		EIRL 2		EIRL 2.a		EIRL 3		EIRL 3.a		EIRL 9.4			
			0-1.5	80.983	0-1.5	16.147	0-1.5	5.803	0-1.5	17.296	0-1.5	24.794	ITEM 30	78.139	0.122	Full Rate	19.000	Rebate	(32.900)	Full Rate	3.000	Rebate	(6.367)	Full Rate	3.000	Rebate	(6.367)	RCC Pipes
1	For Pipe		80.983	16.147	5.803	17.296	24.794	78.139	0.122	19.000	(32.900)	3.000	(6.367)	122.500														
2	For Manhole		66.637	13.213	4.919	34.302	50.468																					
	Total		147.620	29.360	10.722	17.296	59.096	128.607	0.122	19.000	(32.900)	3.000	(6.367)	122.500														



Authorised Signatory

Project Engineer

Project Manager

CLIENT

Jr. Engineer
Dy. 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

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kille ark-03 250mm RCC Quantity Node Abstract

9th R A BILL MEASUREMENTS

Branch Of Sewer " KILLE ARK-03"

SR NO	Description	MB/PG	ITEM 1		ITEM 2		ITEM 4		ITEM 7		ITEM 11		ITEM 30		ITEM 35		EIRL 2		EIRL 2.a		EIRL 3		EIRL 3.a		EIRL 9.3		EIRL 9.4	
			0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	Full Rate	Rebate	Full Rate	Rebate	Full Rate	Rebate	Full Rate	Rebate	Full Rate	Rebate	Full Rate	Rebate	Full Rate	Rebate	Full Rate	Rebate	Full Rate	Rebate
1	For Pipe		60.983	16.147	5.803	17.296	24.794	78.139	0.122									19.000	(32.900)	3.000	(6.367)	122.500		122.500		122.500		122.500
2	For Manhole		(6.637)	13.213	4.919		34.302	50.468										19.000	(32.900)	3.000	(6.367)							
Total			147.620	29.360	10.722	17.296	59.096	128.607	0.122									19.000	32.900	3.000	-6.367	122.500		122.500		122.500		122.500

CONTRACTOR

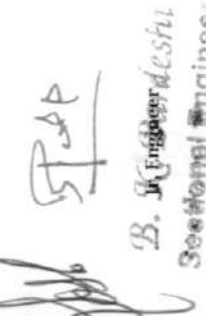
 Authorized Signatory

PMC

 Project Manager

PMC

 Project Manager

CLIENT

 B. J. Engineer
 Sectional Engineer

Ex. Engineer

Dy. 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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Kille-ark-02 Measurement MB-300DWC

9th R A BILL MEASUREMENTS DWC PIPE KILLE-ARK-02

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	DWC - 315 mm Dia									
	Width of Trench - For Lift 0 to 1.50m- 0.315+0.5=0.815m									
	For Lift 1.5 to 3.00m- 0.315+0.5+0.4=1.215m									
	For Lift 3.0 to 4.5m- 0.315+0.5+0.4+0.4=1.615m									
	KLA 0(OLD) TO KLA 1									
	CH0.00	574.930	572.780	572.680			2.250	2.175		
	CH24.00	574.830	572.830	572.730			2.100			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			22.670	1.215	1.500	41.316	0.000	41.316
	(b) For Lift 1.5m to 3.0m	1			22.670	0.815	0.675	12.471	0.000	12.471
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			23.170	0.815	0.100	1.888	0.000	1.888
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.693	0.000	3.693
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			23.420			23.420	0.000	23.420
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation=							53.787		
	Deduction of 315mm dia pipe									
	pipe area	1.00		0.785	23.170	0.315	0.315	1.80		
	soling							0.00		
	PCC							0.00		
	Murrum bedding							1.89		
								3.69		
	Net Qty = A - B							50.09	0.00	50.09
	KLA1 TO KLA2									
	CH24.00	574.830	572.830	572.730			2.100	2.000		
	CH43.10	574.910	573.110	573.010			1.900			
	Item No. 1 :- Excavation for foundation/pipe trenches in									
	(a) For Lift 0 to 1.5m	1			16.440	1.215	1.500	29.962	41.316	71.278
	(b) For Lift 1.5m to 3.0m	1			16.440	0.815	0.00	6.699	12.471	19.171
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.440	0.815	0.100	1.421	1.888	3.310
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.780	3.693	6.473
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			17.940			17.940	23.420	41.360



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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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M/s. Khilari Infrastructure Pvt Ltd & GECPL (Joint Venture)

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Kille-ark-02 Measurement MB-300DWC

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=						36.661				
	Deduction of 315mm dia pipe										
	pipe area	1.00		0.785	17.440	0.315	0.315	1.36			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.42			
								2.78			
								33.88	50.09	83.976	
	KLA2 TO KLA3										
	CH43.10	574.910	573.110	573.010							
	CH62.90	574.690	573.110	573.010			1.900	1.79			
							1.680				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			17.140	1.215	1.500	31.238	71.278	102.516	
	(b) For Lift 1.5m to 3.0m	1			17.140	0.815	0.290	4.051	19.171	23.222	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			18.140	0.815	0.100	1.478	3.310	4.788	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.891	6.473	9.364	
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			18.640			18.640	41.360	60.000	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							35.289			
	Deduction of 315mm dia pipe										
	pipe area	1.00		0.785	18.140	0.315	0.315	1.41			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.48			
								2.89			
								32.40	83.98	116.373	
	Item No. : 35 Shifting of Existing Utilities Length considered up to 400 mm				0.060			0.06		0.06	



Proof

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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Kille-ark-02 250mm-MB

9th R A BILL MEASUREMENTS

KILLE-ARK-02

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EXL							
	RCC 250mm Dia										
	Width of Trench - For										
	Bottom Lift 0.00-1.50m- 0.25+0.08+0.08+0.5=0.91m										
	From Bottom Lift 1.50m-3.00m- 0.25+0.08+0.08+0.5+0.4=1.31m										
	From Bottom Lift 3.00m-4.50m- 0.25+0.08+0.08+0.5+0.4+0.4 = 1.71m										
	KLA3 TO KLA4										
	CH62.90	574.690	573.110	572.910			1.78	1.620			
	CH83.80	574.450	573.190	572.990			1.46				
	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			18.570	0.910	1.500	25.348	102.516	127.864	
	(b) For Lift 1.5m to 3.0m	1			18.570	0.910	0.100	1.690	23.222	24.912	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			18.570	0.910	0.200	3.380	4.788	8.168	
	Item No. : 11 Transportation of earth Transportation charges including							4.967	9.364	14.331	
	Extra Item no.-9.4) Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			20.000			20.000	0.000	20.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							27.038			
	Deduction										
	pipe area	1		0.785	18.570	0.330	0.330	1.587			
	soling							0.000			
	PCC							0.000			
	Murum bedding							3.380			
	Total = B							4.967			
					Net Qty = A - B			22.071	116.373	138.444	
	KLA4 TO KLA5										
	CH83.80	574.450	573.190	572.990			1.46	1.295			
	CH88.70	574.440	573.510	573.310			1.13				
	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			2.900	0.910	1.295	3.418	127.864	131.281	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			2.900	0.910	0.200	0.528	8.168	8.696	
	Item No. : 11 Transportation of earth Transportation charges including							0.776	14.331	15.107	
	Extra Item no.-9.4) Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			4.000			4.000	20.000	24.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							3.418			
	Deduction										
	pipe area	1		0.785	2.900	0.330	0.330	0.248			
	soling							0.000			



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

2 of 2

Kille-ark-02 250mm-MB

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC						0.000				
	Murum bedding						0.528				
	Total = B						0.776				
		Net Qty = A - B						2.642		138.444	141.086
	KLA5 TO KLA6										
	CH88.70	574.440	573.510	573.310			1.13				
	CH99.60	574.470	573.630	573.430			1.04	1.085			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.900	0.910	0.535	4.820	131.281	136.101	
	(b) For Lift 1.5m to 3.0m	1			9.900	0.910	0.000	0.000	24.912	24.912	
	(c) For Lift 3.0m to 4.5m	1			9.900	0.910	0.000	0.000	0.000	0.000	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.900	0.910	0.400	3.604	0.000	3.604	
	(b) For Lift 1.5m to 3.0m	1			9.900	0.910	0.000	0.000	0.000	0.000	
	(c) For Lift 3.0m to 4.5m	1			9.900	0.910	0.000	0.000	0.000	0.000	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			9.900	0.910	0.150	1.351	0.000	1.351	
	(b) For Lift 1.5m to 3.0m	1			9.900	0.910	0.000	0.000	0.000	0.000	
	(c) For Lift 3.0m to 4.5m	1			9.900	0.910	0.000	0.000	0.000	0.000	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.900	0.910	0.200	1.802	8.696	10.497	
	Item No. : 11 Transportation of earth Transportation charges including							2.648	15.107	17.755	
	Extra item no.:-9.4) Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			10.000			10.000	24.000	34.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							9.775			
	Deduction										
	pipe area	1		0.785	9.900	0.330	0.330	0.846			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.802			
	Total = B							2.648			
		Net Qty = A - B						7.127		141.086	148.212
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.034			0.034	0.060	0.094	



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Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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

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

Details

Last Measurement

1 of 3

Kille-ark-02 Chamber Measurement

9th R A BILL MEASUREMENTS OF CHEMBERS ~~FOR~~ KILLE-ARK-02

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 1.20 dia chamber (upto 2.0m depth)-1.20+0.50+0.5+0.5=2.66m										
	Bredth for chamber upto 2m=2.66*2.66=7.075m										
	KLA1										
	CH24.00	574.830	572.830	572.580			2.250				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.500	8.331	0.000	8.331	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.750	4.165	0.000	4.165	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.000	0.000	0.000	0.000	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.000	0.000	0.000	0.000	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.000	0.000	0.000	0.000	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.448	0.000	3.448	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							12.496			
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	2.000	2.69			
	soiling							0.00			
	PCC	1.00		0.785	1.96	1.96	0.25	0.75			
	Murrum bedding							0.00			
	Total (B)							3.45			
					Net Qty = A - B			9.05	0.00	9.05	
	KLA2										
	CH43.10	574.910	573.110	572.860			2.050				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.500	8.331	8.331	16.662	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.550	3.055	4.165	7.220	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.000	0.000	0.000	0.000	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.000	0.000	0.000	0.000	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.000	0.000	0.000	0.000	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.179	3.448	6.627	



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

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

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

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Kille-ark-02 Chamber Measurement

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)=						11.385				
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	1.800	2.42			
	soling							0.00			
	PCC	1.00		0.785	1.96	1.96	0.25	0.75			
	Murrum bedding							0.00			
	Total (B)							3.18			
								8.21	9.05	17.25	
	Net Qty = A - B										
	KLA3										
	CH62.90	574.690	573.110	572.860			1.830				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.500	8.331	16.662	24.992	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.330	1.833	7.220	9.093	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.000	0.000	0.000	0.000	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.000	0.000	0.000	0.000	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.000	0.000	0.000	0.000	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.882	6.627	9.509	
	Item No. 30 :- Refilling the excavated trenches ...							10.164			
	Total Excavation(A)=										
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	1.580	2.13			
	soling							0.00			
	PCC	1.00		0.785	1.96	1.96	0.25	0.75			
	Murrum bedding							0.00			
	Total (B)							2.88			
								7.28	17.25	24.54	
	Net Qty = A - B										
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth 0.9+0.5+0.3+0.3=2m										
	Bredth for chember up to 1.5m=2 X 2=4m										
	KLA4										
	CH83.80	574.450	573.190	572.940			1.510				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710	24.992	29.702	
	(b) Fo · Lift 1.5 to 3.0m	1			0.785	4.000	0.010	0.031	9.053	9.084	



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

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

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

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Kille-ark-02 Chamber Measurement

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 murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.000	0.000		0.000	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.000	0.000		0.000	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.809		9.509	
	Item No. 30 :- Refilling the excavated trenches ...									11.318	
	Total Excavation(A)=							4.741			
	Deduction										
	Brick work	1.00			0.785	1.16	1.16	1.260		1.33	
	soling									0.00	
	PCC	1.00			0.785	1.56	1.56	0.25		0.48	
	Murrum bedding									0.00	
	Total (B)									1.81	
					Net Qty = A - B					2.93	24.54
	KLAS										
	CH88.70	574.440	573.510	573.260			1.180				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.630	1.978		29.702	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.00	0.000		9.084	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.400	1.256		0.000	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		0.000	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.460		11.318	
	Item No. 30 :- Refilling the excavated trenches ...									12.778	
	Total Excavation(A)=							3.705			
	Deduction										
	Brick work	1.00			0.785	1.16	1.16	0.930		0.98	
	soling									0.00	
	PCC	1.00			0.785	1.56	1.56	0.25		0.48	
	Murrum bedding									0.00	
	Total (B)									1.46	
					Net Qty = A - B					2.25	27.47
										29.71	



Signature

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

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

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

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Kille-ark-02 CHEMBER

9th R A BILL MEASURMENTS CHEMBER KILLE-ARK-02

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to		Total Rebate Qty for 50 cm
		No			Depth of 2.0 mtr		
		GL	IL	DEPTH	For per 50 cm		
A	Item No. : 21 Providing and constructing on sewer.BBM manhole 1.2 m dia at bottom and 0.5 m dia at top and up to a depth of 2.0 M etc., complete						
1	KLA1	574.830	572.830	2.000	2	0.000	-1.24
2	KLA2	574.910	573.110	1.800	2	-0.200	
3	KLA3	574.690	573.110	1.580	2	-0.420	
	Total					-0.620	-1.24
SR NO	CHEMBER NUMBER	DETAILS			Rebate up to		Total Rebate Qty for 30 cm
		No			Depth of 1.5 mtr		
		GL	IL	DEPTH	For per 30 cm		
B	Extra Item No 2: Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	KLA4	574.450	573.190	1.260	1.500	-0.24	-2.70
2	KLA5	574.440	573.510	0.930	1.500	-0.57	
						-0.81	-2.70



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Kille-ark-03 Quantity Node Abstract

9th R A BILL MEASUREMENTS

Branch Sewer Kille-Ark-02

SR NO	Description	ITEM 1		ITEM 2	ITEM 4	ITEM 7	ITEM 11	ITEM 12		ITEM 13	ITEM 21	ITEM 21.1		ITEM 30	ITEM 35	EIRL 2		EIRL 2.a	EIRL 9.4	
		0-1.5	1.5-3.0					0-1.5	315mm			315mm	upto 2 m			Rebate	Full Rate			Rebate
1	For Pipe	136.101	24.912	3.604	1.351	10.497	17.765	60.000	60.000	60.000	3.000	(1.240)	148.21	0.094						34.000
2	For Manhole	31.681	9.084	1.256	0.471		12.778				3.000	(1.240)	20.714			2.000		(2.700)		
Total		167.782	33.996	4.860	1.822	10.497	30.533	60.000	60.000	60.000	3.000	(1.240)	177.93	0.094	2.000	2.000	(2.700)	(2.700)	34.000	

1 of 1



Project Manager



Project Engineer



Authorized Signatory

[Signature]

Project Manager

CLIENT

[Signature]
B. K. Pardeshi

Sectional Engineer
Jr. Engineer

Dy. Engineer

Ex. Engineer