

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

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Noor Colony-2(300mm) RCC Chamber Excan.

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)=						12.496					
	Deduction											
	Brick work	1		0.785	1.31	1.31	2.000	2.69				
	soling							0.00				
	PCC	1		0.785	1.96	1.96	0.25	0.75				
	Murrum bedding							0.00				
	Total (B)							3.45				
		Net Qty = A - B								9.05	29.88	38.93
	NRC 5											
	CH61.40	562.060	560.050	559.800			2.260					
	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	0.950	5.276		26.659	31.935	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.760	4.221		20.272	24.493	
	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	0.450	2.499		3.332	5.832	
	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	0.100	0.555		3.332	3.888	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.462		14.668	18.130	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							12.552				
	Deduction											
	Brick work	1		0.785	1.31	1.31	2.010	2.71				
	soling							0.00				
	PCC	1		0.785	1.96	1.96	0.25	0.75				
	Murrum bedding							0.00				
	Total (B)							3.46				
		Net Qty = A - B								9.09	38.93	48.02
	NRC 6											
	CH70.10	562.160	560.160	559.910			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	0.950	5.276		31.935	37.214	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.750	4.165		24.493	28.658	
	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	0.450	2.499		5.832	8.331	
	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	0.100	0.555		3.888	4.443	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.448		18.130	21.578	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							12.496				



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

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Noor Colony-2(300mm) RCC Chamber Excan.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Deduction										
	Brick work	1		0.785	1.31	1.31	2.000	2.69			
	soling							0.00			
	PCC	1		0.785	1.96	1.96	0.25	0.75			
	Murram bedding							0.00			
	Total (B)							3.45			
	Net Qty = A - B							9.05	48.02	57.06	
	NRC 7										
	CH88.80	562.460	560.200	559.950			2.510				
	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	7.075	0.950	5.276	37.211	42.487	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	1.010	5.609	28.658	34.267	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.450	2.499	8.331	10.830	
	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	0.100	0.555	4.443	4.998	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.798	21.578	25.377	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							13.940			
	Deduction										
	Brick work	1		0.785	1.31	1.31	2.260	3.04			
	soling							0.00			
	PCC	1		0.785	1.96	1.96	0.25	0.75			
	Murram bedding							0.00			
	Total (B)							3.80			
	Net Qty = A - B							10.14	57.06	67.21	
	NRC 8										
	CH112.50	562.435	560.265	560.015			2.420				
	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	7.075	0.950	5.276	42.487	47.763	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.920	5.110	34.267	39.377	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.450	2.499	10.830	13.329	
	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	0.100	0.555	4.998	5.554	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.677	25.377	29.054	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							13.440			
	Deduction										
	Brick work	1		0.785	1.31	1.31	2.170	2.92			
	soling							0.00			



Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Safem AII, 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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Noor Colony-2(300mm) RCC Chamber Excan.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC	1		0.785	1.96	1.96	0.25	0.75			
	Murram bedding							0.00			
	Total (B)							3.68			
		Net Qty = A - B								67.21	76.97
	NRC 9										
	CH118.70	562.335	560.285	560.035			2.300				
	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	7.075	0.950	5.276	47.763	53.040	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.800	4.443	39.377	43.820	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.450	2.499	13.329	15.829	
	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	0.100	0.555	5.554	6.109	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.516	29.054	32.569	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							12.774			
	Deduction										
	Brick work	1		0.785	1.31	1.31	2.050	2.76			
	soling							0.00			
	PCC	1		0.785	1.96	1.96	0.25	0.75			
	Murram bedding							0.00			
	Total (B)							3.52			
		Net Qty = A - B								76.97	86.23
	NRC 10										
	CH132.40	562.455	560.345	560.095			2.360				
	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	7.075	0.610	3.388	53.040	56.427	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.650	3.610	15.829	19.439	
	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	0.240	1.333	6.109	7.442	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.860	4.776	0.000	4.776	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.596	32.569	36.166	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							13.107			
	Deduction										
	Brick work	1		0.785	1.31	1.31	2.110	2.84			
	soling							0.00			
	PCC	1		0.785	1.96	1.96	0.25	0.75			
	Murram bedding							0.00			
	Total (B)							3.60			



Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zonic 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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Noor Colony-2(300mm) RCC Chamber Excan.

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EX.L							
		Net Qty = A - B					9.51		86.23	95.74	
	NRC 11										
	CH143.60	562.625	560.385	560.135			2.490				
	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	0.740	4.110	56.427	60.537	
	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	0.650	3.610	19.439	23.049	
	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	0.110	0.611	7.442	8.053	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.990	5.498	4.776	10.275	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.772	36.166	39.937	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							13.829			
	Deduction										
	Brick work	1			0.785	1.31	1.31	2.240	3.02		
	soling								0.00		
	PCC	1			0.785	1.96	1.96	0.25	0.75		
	Murrum bedding								0.00		
	Total (B)							3.77			
		Net Qty = A - B							10.06	95.74	105.80
	NRC 12										
	CH154.80	562.535	560.465	560.215			2.320				
	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	1.020	5.665	60.537	66.202	
	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	0.480	2.666	23.049	25.714	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.020	0.111	0.000	0.111	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.800	4.443	10.275	14.718	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.542	39.937	43.480	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							12.885			
	Deduction										
	Brick work	1			0.785	1.31	1.31	2.070	2.79		
	soling								0.00		
	PCC	1			0.785	1.96	1.96	0.25	0.75		
	Murrum bedding								0.00		
	Total (B)							3.54			
		Net Qty = A - B							9.34	105.80	115.14
	NRC 13										
	CH165.70	562.295	560.585	560.335			1.960				



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

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Noor Colony-2(300mm) RCC Chamber Excan.

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	Item No. 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		66.202	70.284
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.460	1.444		43.820	45.264
	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		25.714	26.342
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.284		43.480	45.764
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							6.154			
	Deduction										
	Brick work	1		0.785	1.16	1.16	1.710	1.81			
	soling							0.00			
	PCC	1		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							2.28			
	Net Qty = A - B							3.87		115.14	119.01
	NRC 14										
	CH179.10	562.295	560.885	560.635			1.660				
	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		70.284	74.366
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.160	0.502		45.264	45.767
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		26.342	26.656
	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		8.053	8.367
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.967		45.764	47.731
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.212			
	Deduction										
	Brick work	1		0.785	1.16	1.16	1.410	1.49			
	soling							0.00			
	PCC	1		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.97			
	Net Qty = A - B							3.25		119.01	122.25
	NRC 15										
	CH195.00	562.725	561.145	560.895			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	4.000	1.300	4.082		74.366	78.448
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.330	1.036		45.767	46.803



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

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Noor Colony-2(300mm) RCC Chamber Excan.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		26.656	26.970
	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		8.367	8.681
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.147		47.731	49.877
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.746			
	Deduction										
	Brick work	1		0.785	1.16	1.16	1.580	1.67			
	soling							0.00			
	PCC	1		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							2.15			
	Net Qty = A - B							3.60		122.25	125.85
	NRC 16										
	CH210.90	562.825	561.425	561.175			1.650				
	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		78.448	82.530
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.150	0.471		46.803	47.274
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		26.970	27.284
	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		8.681	8.995
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.956		49.877	51.834
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.181			
	Deduction										
	Brick work	1		0.785	1.16	1.16	1.400	1.48			
	soling							0.00			
	PCC	1		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.96			
	Net Qty = A - B							3.22		125.85	129.08
	NRC 17										
	CH216.80	562.750	561.750	561.500			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	0.600	1.884		82.530	84.414
	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		27.284	28.069



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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)

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Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EX.L							
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.400	1.256		8.995	10.251
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.534		51.834	53.367
	Item No. 30 :- Refilling the excavated trenches ...							3.925			
	Total Excavation(A)=										
	Deduction										
	Brick work	1		0.785	1.16	1.16	1.000	1.06			
	soling			0.785	1.56	1.56	0.25	0.48			
	PCC	1						0.00			
	Murram bedding							1.53			
	Total (B)							2.39		129.08	131.47
					Net Qty = A - B						
	NRC 18						1.290				
	CH225.20	563.310	562.270	562.020							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.640	2.010		84.414	86.424
	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		28.069	28.854
	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	0.400	1.256		10.251	11.507
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.576		53.367	54.944
	Item No. 30 :- Refilling the excavated trenches ...							4.051			
	Total Excavation(A)=										
	Deduction										
	Brick work	1		0.785	1.16	1.16	1.040	1.10			
	soling			0.785	1.56	1.56	0.25	0.48			
	PCC	1						0.00			
	Murram bedding							1.58			
	Total (B)							2.47		131.47	133.94
					Net Qty = A - B						
	NRC 19						1.410				
	CH233.60	563.880	562.720	562.470							
	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	0.760	2.386		86.424	88.810
	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		28.854	29.639
	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	0.400	1.256		11.507	12.763



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

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Noor Colony-2(300mm) RCC Chamber Excan.

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading						1.703		54.944	56.647
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						4.427			
	Deduction									
	Brick work	1		0.785	1.16	1.16	1.23			
	soling						0.00			
	PCC	1		0.785	1.56	1.56	0.48			
	Murum bedding						0.00			
	Total (B)						1.70			
				Net Qty = A - B			2.72		133.94	136.67
	NRC 7.1									
	CH8.40	562.485	561.095	560.845			1.640			
	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	0.950	2.983	88.810	91.793
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.140	0.440	47.274	47.714
	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	0.450	1.413	29.639	31.052
	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	12.763	13.077
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading						1.946		56.647	58.592
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						5.150			
	Deduction									
	Brick work	1		0.785	1.16	1.16	1.390	1.47		
	soling						0.00			
	PCC	1		0.785	1.56	1.56	0.25	0.48		
	Murum bedding						0.00			
	Total (B)						1.95			
				Net Qty = A - B			3.20		136.67	139.87
	NRC 13.1									
	CH4.90	562.320	561.360	561.110			1.210			
	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	0.910	2.857	91.793	94.651
	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	0.150	0.471	31.052	31.523
	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	13.077	13.548
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading						1.492		58.592	60.084



Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.799				
	Deduction										
	Brick work	1		0.785	1.16	1.16	0.960	1.01			
	soling							0.00			
	PCC	1		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.49			
				Net Qty = A - B				2.31	139.87	142.18	
	NRC 13.2										
	CH10.40	562.360	561.470	561.220			1.140				
	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	0.840	2.638	94.651	97.288	
	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	0.150	0.471	31.523	31.994	
	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	13.548	14.019	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.418	60.084	61.502	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.580			
	Deduction										
	Brick work	1		0.785	1.16	1.16	0.890	0.94			
	soling							0.00			
	PCC	1		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.42			
				Net Qty = A - B				2.16	142.18	144.34	
	NRC 13.3										
	CH17.00	562.360	561.540	561.290			1.070				
	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	0.770	2.418	97.288	99.706	
	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	0.150	0.471	31.994	32.465	
	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	14.019	14.490	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.344	61.502	62.845	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.360			
	Deduction										
	Brick work	1		0.785	1.16	1.16	0.820	0.87			



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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	soling										
	PCC	1		0.785	1.56	1.56	0.25	0.00			
	Murum bedding							0.48			
	Total (B)							0.00			
								1.34			
								2.02	144.34	146.36	
	NRC 13.4										
	CH25.00	562.320	561.650	561.400			0.920				
	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	0.620	1.947	99.706	101.653	
	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	0.150	0.471	32.465	32.936	
	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	14.490	14.961	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.185	62.845	64.031	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.889			
	Deduction										
	Brick work	1		0.785	1.16	1.16	0.670	0.71			
	soling							0.00			
	PCC	1		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.19			
								1.70	146.36	148.06	
	NRC 14.1										
	CH6.60	562.210	561.070	560.820			1.390				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.090	3.423	101.653	105.075	
	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	0.150	0.471	32.936	33.407	
	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	14.961	15.482	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.682	64.031	65.713	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.365			
	Deduction										
	Brick work	1		0.785	1.16	1.16	1.140	1.20			
	soling							0.00			
	PCC	1		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.68			
								2.68	148.06	150.74	



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

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	NRC 14.2									
	CH15.35	562.230	561.200	560.950			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	105.075	108.153
	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	0.150	0.471	33.407	33.878
	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	15.432	15.903
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.566	65.713	67.278
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=							4.019		
	Deduction									
	Brick work	1		0.785	1.16	1.16	1.030	1.09		
	soling							0.00		
	PCC	1		0.785	1.56	1.56	0.25	0.48		
	Murrum bedding							0.00		
	Total (B)							1.57		
	Net Qty = A - B							2.45	150.74	153.20
	NRC 14.3									
	CH26.95	562.220	561.320	561.070			1.150			
	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	0.850	2.669	108.153	110.822
	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	0.150	0.471	33.878	34.349
	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	15.903	16.374
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.428	67.278	68.706
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=							3.611		
	Deduction									
	Brick work	1		0.785	1.16	1.16	0.900	0.95		
	soling							0.00		
	PCC	1		0.785	1.56	1.56	0.25	0.48		
	Murrum bedding							0.00		
	Total (B)							1.43		
	Net Qty = A - B							2.18	153.20	155.38
	NRC 14.4									
	CH38.55	562.320	561.460	561.210			1.110			



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Noor Colony-2(300mm) RCC Chamber Excan.

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.810	2.543	110.822	113.365	
	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	0.150	0.471	34.349	34.820	
	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	16.374	16.845	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.386	68.706	70.092	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.485			
	Deduction										
	Brick work	1		0.785	1.16	1.16	0.860	0.91			
	soling							0.00			
	PCC	1		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.39			
	Net Qty = A - B							2.10	155.38	157.48	
	NRC 16.1										
	CH7.45	562.780	561.780	561.530			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	113.365	116.348	
	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	0.150	0.471	34.820	35.291	
	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	16.845	17.316	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.534	70.092	71.626	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.925			
	Deduction										
	Brick work	1		0.785	1.16	1.16	1.000	1.06			
	soling							0.00			
	PCC	1		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.53			
	Net Qty = A - B							2.39	157.48	159.87	
	NRC 16.2										
	CH18.05	562.740	561.970	561.720			1.020				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.720	2.261	116.348	118.609	



Noor Colony-2(300mm) RCC Chamber Excan.

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Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EX.L							
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.				0.785	4.000	0.150	0.471		35.291	35.762
	(a) For Lift 0 to 1.5m	1									
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.				0.785	4.000	0.150	0.471		17.316	17.787
	(a) For Lift 0 to 1.5m	1									
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.291		71.626	72.917
	Item No. 30 :- Refilling the excavated trenches ...							3.203			
	Total Excavation(A)=										
	Deduction				0.785	1.16	1.16	0.770		0.81	
	Brick work	1								0.00	
	soling				0.785	1.56	1.56	0.25		0.48	
	PCC	1								0.00	
	Murrum bedding									1.29	
	Total (B)							1.91		159.87	161.78
					Net Qty = A - B						
	NRC 16.3							1.060			
	CH25.85	562.820	562.010	561.760							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.				0.785	4.000	0.760	2.386		118.609	120.995
	(a) For Lift 0 to 1.5m	1									
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.				0.785	4.000	0.150	0.471		35.762	36.233
	(a) For Lift 0 to 1.5m	1									
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.				0.785	4.000	0.150	0.471		17.787	18.258
	(a) For Lift 0 to 1.5m	1									
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.333		72.917	74.250
	Item No. 30 :- Refilling the excavated trenches ...							3.328			
	Total Excavation(A)=										
	Deduction				0.785	1.16	1.16	0.810		0.86	
	Brick work	1								0.00	
	soling				0.785	1.56	1.56	0.25		0.48	
	PCC	1								0.00	
	Murrum bedding									1.33	
	Total (B)							2.00		161.78	163.78
					Net Qty = A - B						
	NRC 16.4							1.050			
	CH33.75	562.840	562.040	561.790							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.				0.785	4.000	0.750	2.355		120.995	123.350
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.000	0.000		47.714	47.714
	(b) For Lift 1.5m to 3.0m	1									
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.				0.785	4.000	0.150	0.471		36.233	36.704
	(a) For Lift 0 to 1.5m	1									



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

Date of Measurement	Particulars of Work	Details					Last Measurement		Total up to Date
		No.	L	B	D	Contents of Arrears	Page No.	Quantity	

Date	Particulars of work	DETAILS						Content of arrears	Last measurement Page	Last measurement Quantity	Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D				
	(b) For Lift 1.5m to 3.0m Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.	1			0.785	4.000	0.000	0.000	0.111	0.111	
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	18.258	18.729	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000	14.718	14.718	
	Item No. 11 Transportation of earth Transportation charges including loading & unloading							1.323	74.250	75.573	
	Item No. 30 :- Refilling the excavated trenches ...							3.297			
	Total Excavation(A)=										
	Deduction										
	Brick work	1		0.785	1.16	1.16	0.800	0.85			
	soling							0.00			
	PCC	1		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.32	163.78	165.75	
								Net Qty = A - B			

Noor Colony-2(300mm) RCC Chamber Excav.

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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 Nakshatravadi (Ranchanwadi), Banewadi, Siddharth Garden, Zaita, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commissioning of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zaita, Ward No.98 and CIDCO (Airport). Providing, lowering, laying, jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshatravadi (Ranchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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Noor Colony-2(300mm) RCC CEMBER

9th R A BILL MEASURMENTS CEMBER DETAILS

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 2.0M etc., complete						
1	NOOR COLONY						
1	NRC 1	562.170	559.910	2.26	2	0.260	3.120
2	NRC 2	562.180	559.950	2.23	2	0.230	
3	NRC 3	562.130	559.970	2.16	2	0.160	
4	NRC 4	562.010	560.010	2.00	2	0.000	
5	NRC 5	562.060	560.050	2.010	2	0.010	
6	NRC 6	562.160	560.160	2.000	2	0.000	
7	NRC 7	562.460	560.200	2.260	2	0.260	
8	NRC 8	562.435	560.265	2.170	2	0.170	
9	NRC 9	562.335	560.285	2.050	2	0.050	
10	NRC 10	562.455	560.345	2.110	2	0.110	
11	NRC 11	562.625	560.385	2.240	2	0.240	
12	NRC 12	562.535	560.465	2.070	2	0.070	
	Total					1.560	3.120

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,: 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 1.5M etc., complete						
1	NRC 13	562.295	560.585	1.710	1.5	0.210	-28.867
2	NRC 14	562.295	560.885	1.410	1.5	-0.090	
3	NRC 15	562.725	561.145	1.580	1.5	0.080	
4	NRC 16	562.825	561.425	1.400	1.5	-0.100	
5	NRC 17	562.750	561.750	1.000	1.5	-0.500	
6	NRC 18	563.310	562.270	1.040	1.5	-0.460	
7	NRC 19	563.880	562.720	1.160	1.5	-0.340	
8	NRC 7.1	562.485	561.095	1.390	1.5	-0.110	
9	NRC 13.1	562.320	561.360	0.960	1.5	-0.540	
10	NRC 13.2	562.360	561.470	0.890	1.5	-0.610	
11	NRC 13.3	562.360	561.540	0.820	1.5	-0.680	
12	NRC 13.4	562.320	561.650	0.670	1.5	-0.830	
13	NRC 14.1	562.210	561.070	1.140	1.5	-0.360	
14	NRC 14.2	562.230	561.200	1.030	1.5	-0.470	
15	NRC 14.3	562.220	561.320	0.900	1.5	-0.600	
16	NRC 14.4	562.320	561.460	0.860	1.5	-0.640	
17	NRC 16.1	562.780	561.780	1.000	1.5	-0.500	
18	NRC 16.2	562.740	561.970	0.770	1.5	-0.730	
19	NRC 16.3	562.820	562.010	0.810	1.5	-0.690	
20	NRC 16.4	562.840	562.040	0.800	1.5	-0.700	
	Total					-8.660	-28.867



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9th R A BILL MEASUREMENTS

Branch Sewer C - Noor Colony-2

SR NO	Description	MB/PG	ITEM 1		ITEM 2		ITEM 3		ITEM 4		ITEM 7	ITEM 11		ITEM 12		ITEM 13		
			0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0		0-1.5	1.5-3.0	200mm	250mm	200mm	250mm	
1	For Pipe		311.644	76.914	81.159		5.155	38.412	22.354		42.663		67.396	17.800		68.700	17.800	68.700
2	For Manhole		123.350	47.714	36.704	0.111		18.729	14.718				75.573					
	Total		434.994	124.628	117.863	0.111	57.141	37.071	42.663	142.969	17.800	68.700	17.800	17.800	68.700	17.800	68.700	68.700

CONTRACTOR

 Khilari Infra Pvt.Ltd.
 Nav Mumbai
 Authorized Signatory

PMC

 PMCServices Ltd.
 Project Manager


 Jr. Engineer

CLIENT
 Dy. Engineer

Ex. Engineer

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

Last Measurement		Total up to Date
Page No.	Quantity	
8	9	10

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

Book No. :-
Page No. 124

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

Date of Measurement	Details										Last Measurement	Total up to Date
1												10

Noor Colony-2(300mm) RCC Quantity Node Abstract

9th R A BILL MEASUREMENTS

Branch Sewer C - Noor Colony- 2

SR NO	Description	MB/PG	ITEM 21		ITEM 21.1		ITEM 30	ITEM 35	EIRL 2		EIRL 2.a		EIRL 9.3		EIRL 9.4		
			upto 2 m	Rebate	Full Rate	Rebate			Full Rate	200mm	300mm	200mm	300mm	200mm	300mm		
1	For Pipe						0.300										
2	For Manhole		12.000	3.120	468.24	165.753			20.000	(28.867)			20.000	200.400	20.000	200.40	
	Total		12.000	3.120	634.00	0.300			20.000	(28.867)			20.000	200.400	20.000	200.40	

CONTRACTOR
M/s Khilari Infrastructure Pvt.Ltd.
Authorized Signatory

PMC
Project Engineer

CLIENT
Project Manager
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 No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-

Page No.

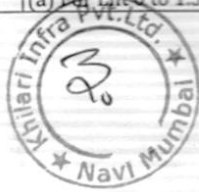
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Page 1

Pipe lying MB Makai Gate

9th R A BILL MEASUREMENTS DWC PIPE MAKAI GATE

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
Part-1	DWC - 200mm Dia										
	Width of Trench -										
	For Lift 0 to 1.50m- 0.200+0.5=0.700m										
	For Lift 1.5 to 3.00m- 0.200+0.5+0.4=1.11m										
	For Lift 3.0 to 4.5m- 0.200+0.5+0.4+0.4=1.50m										
	M1 to M2										
	CH0.00	581.015	579.795	579.695			1.320	1.35			
	CH13.70	581.445	580.160	580.060			1.385				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.000	0.700	1.153	9.681	9.681	9.681	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.000	0.700	0.100	0.840	0.840	0.840	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			12.000	0.700	0.100	0.840	0.840	0.840	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			12.300	0.700	0.100	0.861	0.861	0.861	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.247	1.247	1.247	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia										
	(a) For Lift 0 to 1.5m	1			12.800			12.800	12.800	12.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							11.361			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	12.300	0.200	0.200	0.39			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.86			
								1.25			
								Net Qty = A - B	10.11	10.11	
	M2 to M3										
	CH13.70	581.445	580.160	580.060			1.385	1.40			
	CH21.20	581.725	580.405	580.305			1.420				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.500	0.700	1.203	4.630	9.681	14.311	

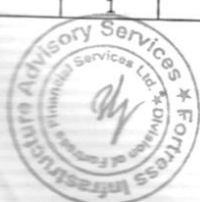


Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	pipe area	1.00		0.785	11.400	0.200	0.200	0.36			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.80			
								1.16			
	Net Qty = A - B								9.67	14.895	24.569
	M4 to M5										
	CH34.00	582.095	580.750	580.650			1.445	1.36			
	CH47.50	582.115	580.945	580.845			1.270				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			11.500	0.700	1.158	9.318	23.628	32.946	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.500	0.700	0.100	0.805	1.981	2.786	
	Item No. 4 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			11.500	0.700	0.100	0.805	1.981	2.786	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			12.100	0.700	0.100	0.847	2.086	2.933	
	Item No. : 11 Transportation of earth Transportation							1.227	3.022	4.249	
	Item No. 13 :- (b) Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			12.600			12.600	31.300	43.900	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							10.928			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	12.100	0.200	0.200	0.38			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.85			
								1.23			
	Net Qty = A - B								9.70	24.569	34.270
	M5 to M6										
	CH47.50	582.115	580.945	580.845			1.270	1.17			
	CH55.60	582.005	581.030	580.930			1.075				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			6.100	0.700	0.973	4.153	32.946	37.099	
	Item No. 2 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			6.100	0.700	0.100	0.427	2.786	3.213	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.100	0.700	0.100	0.427	2.786	3.213	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			6.700	0.700	0.100	0.469	2.933	3.402	
	Item No. : 11 Transportation of earth Transportation							0.679	4.249	4.928	



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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			7.200			7.200		43.900	51.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.007			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	6.700	0.200	0.200	0.21			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.47			
								0.68			
								4.33		34.270	38.597
	M6 to M7										
	CH55.60	582.005	581.030	580.930			1.075	0.98			
	CH66.60	581.935	581.155	581.055			0.880				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.000	0.700	0.778	4.898		37.099	41.997
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.000	0.700	0.100	0.630		3.213	3.843
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			9.000	0.700	0.100	0.630		3.213	3.843
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.600	0.700	0.100	0.672		3.402	4.074
	Item No. : 11 Transportation of earth Transportation charges							0.973		4.928	5.901
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			10.100			10.100		51.100	61.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.158			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	9.600	0.200	0.200	0.30			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.67			
								0.97			
								5.18		38.597	43.782
	M7 to M8										
	CH66.60	581.935	581.155	581.055			0.880	0.87			
	CH74.10	581.950	581.190	581.090			0.860				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.500	0.700	0.670	2.580		41.997	44.577



Pipe lying MB Makal Gate

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			5.500	0.700	0.100	0.385		3.843	4.228
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			5.500	0.700	0.100	0.385		3.843	4.228
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.100	0.700	0.100	0.427		4.074	4.501
	Item No. : 11 Transportation of earth Transportation charges							0.619		5.901	6.520
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia Item No. 30 :- Refilling the excavated trenches ...	1			6.600			6.600		61.200	67.800
	Total Excavation=							3.350			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	6.100	0.200	0.200	0.19			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.43			
								0.62			
								2.73		43.782	46.513
	Net Qty = A - B										
	M8 to M9										
	CH74.10	581.950	581.190	581.090				0.860	0.84		
	CH80.00	582.025	581.310	581.210				0.815			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. (a) For Lift 0 to 1.5m	1			3.900	0.700	0.638	1.740		44.577	46.317
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			3.900	0.700	0.100	0.273		4.228	4.501
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			3.900	0.700	0.100	0.273		4.228	4.501
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.500	0.700	0.100	0.315		4.501	4.816
	Item No. : 11 Transportation of earth Transportation charges							0.456		6.520	6.976
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia Item No. 30 :- Refilling the excavated trenches ...	1			5.000			5.000		67.800	72.800
	Total Excavation=							2.286			
	Deduction of 200mm dia pipe										

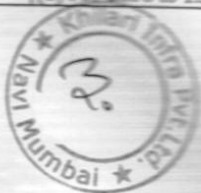


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Pipe lying MB Makai Gate

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	pipe area	1.00		0.785	4.500	0.200	0.200	0.14			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.32			
								0.46			
		Net Qty = A - B						1.83		46.513	48.343
	M9 to M10										
	CH80.00	582.025	581.310	581.210				0.815			
	CH85.30	582.080	581.380	581.280				0.800			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.300	0.700	0.608	1.403		46.317	47.720
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.300	0.700	0.100	0.231		4.501	4.732
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.300	0.700	0.100	0.231		4.501	4.732
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			3.900	0.700	0.100	0.273		4.816	5.089
	Item No. : 11 Transportation of earth Transportation charges							0.395		6.976	7.372
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia										
	(a) For Lift 0 to 1.5m	1			4.400			4.400		72.800	77.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.865			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	3.900	0.200	0.200	0.12			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.27			
								0.40			
		Net Qty = A - B						1.47		48.343	49.812
	M10 to M11										
	CH85.30	582.080	581.380	581.280				0.800			
	CH92.20	582.150	581.470	581.370				0.780			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.900	0.700	0.590	2.024		47.720	49.744
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.900	0.700	0.100	0.343		4.732	5.075
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.900	0.700	0.100	0.343		4.732	5.075



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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
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.500	0.700	0.100	0.385		5.089	5.474
	Item No. : 11 Transportation of earth Transportation charges							0.558		7.372	7.929
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			6.000			6.000		77.200	83.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.710			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	5.500	0.200	0.200	0.17			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.39			
								0.56			
								2.15		49.812	51.964
	M11 to M12										
	CH92.20	582.150	581.470	581.370			0.780	0.75			
	CH97.80	582.220	581.595	581.495			0.725				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.600	0.700	0.552	1.392		49.744	51.136
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.600	0.700	0.100	0.252		5.075	5.327
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.600	0.700	0.100	0.252		5.075	5.327
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.200	0.700	0.100	0.294		5.474	5.768
	Item No. : 11 Transportation of earth Transportation charges							0.426		7.929	8.355
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			4.700			4.700		83.200	87.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.896			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	4.200	0.200	0.200	0.13			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.29			
								0.43			
								1.47		51.964	53.435
	M07 to M07/1										
	CH0.00	581.935	581.155	581.055			0.880				



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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							
	CH4.40	582.035	581.275	581.175			0.860				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.700	0.700	0.870	1.644	51.136	52.781	
	(b) For Lift 1.5m to 3.0m	1			2.700	0.700	0.000	0.000	0.000	0.000	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.700	0.700	0.000	0.000	5.327	5.327	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.700	0.700	0.000	0.000	5.327	5.327	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.000	0.700	0.100	0.210	5.768	5.978	
	Item No. : 11 Transportation of earth Transportation charges							0.304	8.355	8.660	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			3.500			3.500	87.900	91.400	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.644			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	3.000	0.200	0.200	0.09			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.21			
								0.30			
								1.34	53.435	54.775	
	Net Qty = A - B										
	M07/1 to M07/2										
	CH4.40	582.035	581.275	581.175			0.860	0.85			
	CH23.40	582.135	581.395	581.295			0.840				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			17.300	0.700	0.850	10.294	52.781	63.074	
	(b) For Lift 1.5m to 3.0m	1			17.300	0.700	0.000	0.000	0.000	0.000	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			17.300	0.700	0.000	0.000	5.327	5.327	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			17.300	0.700	0.000	0.000	5.327	5.327	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.600	0.700	0.100	1.232	5.978	7.210	
	Item No. : 11 Transportation of earth Transportation charges							1.785	8.660	10.444	

