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Tanhaji Chowk (Shivshankar Colony) Meas. SW Pipe

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EXL							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.800	0.790	0.715	1.017		26.048	27.065
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.800	0.790	0.300	0.427		11.518	11.945
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			2.400	0.790	0.100	0.190		4.148	4.337
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.327		7.152	7.479
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			2.900			2.900		56.000	58.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.443			
	Deduction of 250mm dia pipe area	1.00		0.785	2.400	0.270	0.270	0.14			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.19			
								0.33			
								Net Qty = A - B		1.12	30.41
	TC 09 to TC 10									31.53	
	CH66.10	577.990	577.060	576.960			1.030				
	CH75.30	577.980	577.080	576.980			1.000	1.015			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.425	0.790	0.715	4.194		27.065	31.259
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.425	0.790	0.300	1.760		11.945	13.705
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			8.025	0.790	0.100	0.634		4.337	4.971
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.093		7.479	8.572



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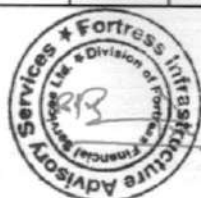
Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali, Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), 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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Tanhaji Chowk (Shivshankar Colony) Meas. SW Pipe

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			8.525			8.525		58.900	67.425
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.954			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	8.025	0.270	0.270	0.46			
	soling							0.00			
	PCC							0.00			
	Murram bedding							0.63			
								1.09			
				Net Qty = A - B				4.86		31.53	36.39
	TC 10 to TC 11										
	CH75.30	577.980	577.080	576.980			1.000	1.035			
	CH78.30	578.080	577.110	577.010			1.070				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			1.225	0.790	0.735	0.711		31.259	31.970
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			1.225	0.790	0.300	0.290		13.705	13.995
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.825	0.790	0.100	0.144		4.971	5.115
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.249		8.572	8.821
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			2.325			2.325		67.425	69.750
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.002			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	1.825	0.270	0.270	0.10			
	soling							0.00			
	PCC							0.00			
	Murram bedding							0.14			
								0.25			
				Net Qty = A - B				0.75		36.39	37.14
	TC 11 to TC 12										
	CH78.30	578.080	577.110	577.010			1.070	1.135			
	CH88.80	578.680	577.580	577.480			1.200				



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Tanhaji Chowk (Shivshankar Colony) Meas. SW Pipe

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			10.500	0.790	0.635	5.267		42.178	47.445	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			10.500	0.790	0.300	2.489		17.929	20.418	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.100	0.790	0.100	0.877		6.569	7.446	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.512		11.327	12.839	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			11.600			11.600		89.650	101.250	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							7.756				
	Deduction of 250mm dia pipe											
	pipe area	1.00		0.785	11.100	0.270	0.270	0.64				
	soling							0.00				
	PCC							0.00				
	Murrum bedding							0.88				
								1.51				
								Net Qty = A - B		6.24	48.78	55.02
	TC 15 to TC 16											
	CH112.80	579.090	578.220	578.120			0.970	0.930				
	CH120.00	579.060	578.270	578.170			0.890					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			5.200	0.790	0.630	2.588		47.445	50.033	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			5.200	0.790	0.300	1.232		20.418	21.650	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.800	0.790	0.100	0.458		7.446	7.904	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.790		12.839	13.629	

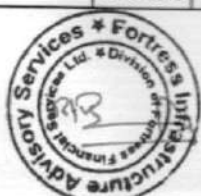


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Tanhaji Chowk (Shivshankar Colony) Meas. SW Pipe

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			6.300			6.300		101.250	107.550
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.820			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	5.800	0.270	0.270	0.33			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.46			
								0.79			
		Net Qty = A - B							3.03	55.02	58.05
	TC 16 to TC 17										
	CH120.00	579.060	578.270	578.170			0.890	0.880			
	CH125.50	579.060	578.290	578.190			0.870				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.500	0.790	0.580	1.604		50.033	51.637
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.500	0.790	0.300	0.830		21.650	22.479
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.100	0.790	0.100	0.324		7.904	8.228
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.559		13.629	14.188
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			4.600			4.600		107.550	112.150
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.433			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	4.100	0.270	0.270	0.23			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.32			
								0.56			
		Net Qty = A - B							1.87	58.05	59.93
	TC 17 to TC 18										
	CH125.50	579.060	578.290	578.190			0.870	0.985			
	CH135.60	579.320	578.320	578.220			1.100				

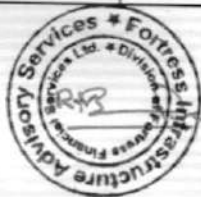


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Tanhaji Chowk (Shivshankar Colony) Meas. SW Pipe

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			8.100	0.790	0.685	4.383		51.637	56.020	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			8.100	0.790	0.300	1.920		22.479	24.399	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.700	0.790	0.100	0.687		8.228	8.915	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.185		14.188	15.373	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			9.200			9.200		112.150	121.350	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							6.303				
	Deduction of 250mm dia pipe											
	pipe area	1.00		0.785	8.700	0.270	0.270	0.50				
	soling							0.00				
	PCC							0.00				
	Murrum bedding							0.69				
								1.19				
								Net Qty = A - B		5.12	59.93	65.05
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.080			0.080			0.080	



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Tanhaji Chowk (Shivshankar Colony) Chamber

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	Murum bedding									
	Total (B)						0.000			
							1.428			
	TC 04						2.183		2.183	4.365
	CH34.00	577.230	576.330	576.080			1.150			
	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	0.850	2.669	5.338	8.007
	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	0.300	0.942	1.884	2.826
	Item No. : 11 Transportation of earth Transportation charges							1.428	2.857	4.285
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						3.611			
	Deduction									
	Brick work	1		0.785	1.160	1.160	0.900	0.951		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murum bedding							0.000		
	Total (B)						1.428			
	TC 05						2.183		4.365	6.548
	CH44.50	577.460	576.610	576.360			1.100			
	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	0.800	2.512	8.007	10.519
	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	0.300	0.942	2.826	3.768
	Item No. : 11 Transportation of earth Transportation charges							1.375	4.285	5.660
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						3.454			
	Deduction									
	Brick work	1		0.785	1.160	1.160	0.850	0.898		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murum bedding							0.000		
	Total (B)						1.375			
	TC 06						2.079		6.548	8.627
	CH51.20	577.500	576.700	576.450			1.050			



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Tanhaji Chowk (Shivshankar Colony) Chamber

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	0.750	2.355		10.519	12.874
	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	0.300	0.942		3.768	4.710
	Item No. : 11 Transportation of earth Transportation charges							1.323		5.660	6.983
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.297			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.800	0.845			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.323			
					Net Qty = A - B			1.974		8.627	10.601
	TC 07										
	CH56.40	577.880	576.980	576.730			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		12.874	15.543
	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	0.300	0.942		4.710	5.652
	Item No. : 11 Transportation of earth Transportation charges							1.428		6.983	8.411
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.611			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.900	0.951			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.428			
					Net Qty = A - B			2.183		10.601	12.784
	TC 08										
	CH62.30	577.940	577.040	576.790			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		15.543	18.212



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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.

Book No. :- 012

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Tanhaji Chowk (Shivshankar Colony) Chember

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	0.300	0.942		5.652	6.594
	Item No. : 11 Transportation of earth Transportation charges							1.428		8.411	9.839
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.611			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.900	0.951			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.428			
		Net Qty = A - B							2.183	12.784	14.967
	TC 09										
	CH66.10	577.990	577.060	576.810			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	0.880	2.763		18.212	20.975
	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	0.300	0.942		6.594	7.536
	Item No. : 11 Transportation of earth Transportation charges							1.460		9.839	11.299
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.705			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.930	0.982			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.460			
		Net Qty = A - B							2.245	14.967	17.212
	TC 10	Size - 0.45 m x 0.45 m									
	CH75.30	577.980	577.080	576.830			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			1.550	1.550	0.850	2.042		20.975	23.017
	Item No. 2 -> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.550	1.550	0.300	0.721		7.536	8.257



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Naksharwadi (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

Book No. :-

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Tanhaji Chowk (Shivshankar Colony) Chember

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.100	1.162			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.640			
	Net Qty = A - B							2.599		20.792	23.391
	TC 13	Size - 0.60 m x 0.45 m									
	CH96.80	578.680	577.870	577.620			1.060				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.550	1.700	0.760	2.003		29.203	31.206
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.550	1.700	0.300	0.791		10.141	10.931
	Item No. : 11 Transportation of earth Transportation charges							1.220		15.953	17.173
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.793			
	Deduction										
	Brick work	1			1.100	0.950	0.810	0.846			
	soling							0.000			
	PCC	1			1.300	1.150	0.250	0.374			
	Murum bedding							0.000			
	Total (B)							1.220			
	Net Qty = A - B							1.573		23.391	24.964
	TC 14	Size - 0.60 m x 0.45 m									
	CH100.45	579.020	578.220	577.970			1.050				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.550	1.700	0.750	1.976		31.206	33.182
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.550	1.700	0.300	0.791		10.931	11.722
	Item No. : 11 Transportation of earth Transportation charges							1.210		17.173	18.382
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.767			
	Deduction										
	Brick work	1			1.100	0.950	0.800	0.836			
	soling							0.000			
	PCC	1			1.300	1.150	0.250	0.374			
	Murum bedding							0.000			
	Total (B)							1.210			



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7

Tanhaji Chowk (Shivshankar Colony) Chember

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	TC 15	Net Qty = A - B						1.557		24.964	26.521
	CH112.80	579.090	578.220	577.970			1.120				
	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	0.820	2.575		33.182	35.757
	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	0.300	0.942		11.722	12.664
	Item No. : 11 Transportation of earth Transportation charges							1.397		18.382	19.779
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.517			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.870	0.919			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.397			
	Net Qty = A - B							2.120		26.521	28.641
	TC 16										
	CH120.00	579.060	578.270	578.020			1.040				
	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	0.740	2.324		35.757	38.080
	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	0.300	0.942		12.664	13.606
	Item No. : 11 Transportation of earth Transportation charges							1.312		19.779	21.091
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.266			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.790	0.834			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.312			
	Net Qty = A - B							1.954		28.641	30.595
	TC 17										
	CH125.50	579.060	578.290	578.040			1.020				



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Tanhaji Chowk (Shivshankar Colony) BBM Work

9th RA BILL MEASUREMENTS (BBM WORK)
TANHAJI CHOWK (SHIVSHANKAR COLONY)

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
Manhole of Size 0.6mx0.45m											
	Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.										
	Long Wall	4			1.060	0.230	0.600	0.585	0.000	0.585	
	Short Wall	4			0.450	0.230	0.600	0.248	0.585	0.834	
	Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.										
	Long Wall	4			0.600		0.600	1.440	0.000	1.440	
	Short Wall	4			0.450		0.600	1.080	1.440	2.520	
	Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.										
	(a) Long Wall	4			1.060		0.600	2.544	0.000	2.544	
	(b) Short Wall	4			0.910		0.600	2.184	2.544	4.728	
	Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.										
	(a) Long Wall Internal	4			0.600		0.600	1.440	0.000	1.440	
	(b) Short Wall Internal	4			0.450		0.600	1.080	1.440	2.520	
	(c) Long Wall External	4			1.060		0.600	2.544	2.520	5.064	
	(d) Short Wall External	4			0.910		0.600	2.184	5.064	7.248	
	Extra Item :5(b) - Providing & Casting M15 Grade PCC for manhole etc complete.										
	PCC	2			1.300	1.150	0.250	0.748	0.000	0.748	
Manhole of Size 0.45mx0.45m											
	Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.										
	Long Wall	2			0.910	0.230	0.600	0.251	0.834	1.085	
	Short Wall	2			0.450	0.230	0.600	0.124	1.085	1.209	
	Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.										
	Long Wall	2			0.450		0.600	0.540	2.520	3.060	
	Short Wall	2			0.450		0.600	0.540	3.060	3.600	
	Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.										
	(a) Long Wall	2			0.910		0.600	1.092	4.728	5.820	
	(b) Short Wall	2			0.910		0.600	1.092	5.820	6.912	
	Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.										
	(a) Long Wall Internal	2			0.450		0.600	0.540	7.248	7.788	
	(b) Short Wall Internal	2			0.450		0.600	0.540	7.788	8.328	
	(c) Long Wall External	2			0.910		0.600	1.092	8.328	9.420	
	(d) Short Wall External	2			0.910		0.600	1.092	9.420	10.512	
	Extra Item :5(b) - Providing & Casting M15 Grade PCC for manhole etc complete.										
	PCC	1			1.150	1.150	0.250	0.331	0.748	1.078	



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Name of work:- Development of Underground Sewage 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

Book No. : 020

Page No. :-

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Uttamnagar(Balaji Nagar) SW Pipe-Measurment Line

9th R A BILL MEASUREMENTS SW PIPE UTTAMNAGAR (BALAJI NAGAR)

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	SW PIPE - 200 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.200+0.02+0.02+0.5=0.74m										
	For Lift 1.5 to 3.00m- 0.200+0.02+0.02+0.5+0.4 =1.14m										
	For Lift 3.0 to 4.5m- 0.200+0.5+0.02+0.02+0.4+0.4 =1.54m										
	BUN1 TO BUN2										
	CH0.00	581.520	580.660	580.560			0.960	0.855			
	CH6.40	581.060	580.410	580.310			0.750				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.400	0.740	0.855	2.784	0.000	2.784	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.000	0.740	0.100	0.370	0.000	0.370	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.560	0.000	0.560	
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			5.500			5.500	0.000	5.500	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							2.784			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	5.000	0.220	0.220	0.190			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.370			
								0.560			
								2.224	0.000	2.224	
	BUN2 TO BUN3										
	CH6.40	581.060	580.410	580.310			0.750	0.970			
	CR16.60	581.150	580.060	579.960			1.190				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.200	0.740	0.970	5.886	2.784	8.670	



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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							
	Murum bedding						0.340				
							0.515				
		Net Qty = A - B					2.444	16.519	18.963		
	BUN6 TO BUN7										
	CH0.00	580.890	579.900	579.800			1.090				
	CH11.75	580.680	579.670	579.570			1.110				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.750	0.740	1.100	7.937	22.737	30.674	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.350	0.740	0.100	0.766	2.494	3.260	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.159	3.774	4.933	
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			10.850			10.850	36.200	47.050	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							7.937			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	10.350	0.220	0.220	0.393			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.766			
								1.159			
		Net Qty = A - B					6.777	18.963	25.740		
	BUN7 TO BUN8										
	CH11.75	580.680	579.670	579.570			1.110				
	CH21.05	580.580	579.570	579.470			1.110				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.300	0.740	1.110	5.996	30.674	36.670	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.900	0.740	0.100	0.585	3.260	3.844	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.885	4.933	5.818	
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			8.400			8.400	47.050	55.450	
	Item No. 30 :- Refilling the excavated trenches ...										



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

Book No. :-

024

Page No. :-

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Uttamnagar(Balaji Nagar) SW Pipe-Measurment Line

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Total Excavation=							5.996			
	Deduction of 200mm dia pipe										
	pipe area	1.00									
	soling			0.785	7.900	0.220	0.220	0.300			
	PCC							0.000			
	Murum bedding							0.000			
								0.585			
								0.885			
								Net Qty = A - B			
	BUN8 TO BUN9							5.111	25.740	30.852	
	CH21.05	580.580	579.570	579.470							
	CH32.30	580.330	579.530	579.430			1.110				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.						0.900	1.005			
	(a) For Lift 0 to 1.5m	1			9.250	0.740	1.005	6.879	36.670	43.549	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.850	0.740	0.100	0.729	3.844	4.573	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.103	5.818	6.921	
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			10.350			10.350	55.450	65.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.879			
	Deduction of 200mm dia pipe										
	pipe area	1.00									
	soling			0.785	9.850	0.220	0.220	0.374			
	PCC							0.000			
	Murum bedding							0.000			
								0.729			
								1.103			
								Net Qty = A - B			
	BUN9 TO no MH							5.776	30.852	36.628	
	CH32.30	580.330	579.530	579.430							
	CH34.50	580.400	579.680	579.580			0.900				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.						0.820	0.860			
	(a) For Lift 0 to 1.5m	1			1.200	0.740	0.860	0.764	43.549	44.313	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			1.500	0.740	0.100	0.111	4.573	4.684	



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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

Book No. - 025
Page No. -

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Uttamnagar(Balaji Nagar) SW Pipe-Measurment Line

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.168	6.921	7.089	
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			1.750			1.750	65.800	67.550	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.764			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	1.500	0.220	0.220	0.057			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.111			
								0.168			
								Net Qty = A - B	0.596	36.628	37.224
	BUN1 TO BUN1.1										
	CH0.00	581.520	580.860	580.760			0.760	0.695			
	CH2.00	581.530	581.000	580.900			0.630				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.450	0.740	0.695	0.231	44.313	44.544	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.750	0.740	0.100	0.056	4.684	4.740	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.084	7.089	7.173	
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			1.250			1.250	67.550	68.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.231			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	0.750	0.220	0.220	0.028			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.056			
								0.084			
								Net Qty = A - B	0.000	37.224	37.224
	BUN3 TO BUN3.1										
	CH0.00	581.150	580.460	580.360			0.790	0.745			
	CH2.00	581.200	580.600	580.500			0.700				



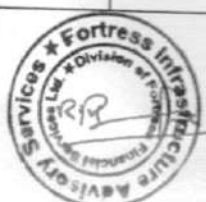
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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.450	0.740	0.745	0.248		44.544	44.792
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.750	0.740	0.100	0.056		4.740	4.795
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.084		7.173	7.257
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			1.250			1.250		68.800	70.050
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.248			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	0.750	0.220	0.220	0.028			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.056			
								0.084			
								0.000		37.224	37.224
	Net Qty = A - B										
	BUN3 TO BUN3.2										
	CH0.00	581.150	580.660	580.560			0.590	0.570			
	CH2.50	581.250	580.800	580.700			0.550				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.800	0.740	0.570	0.759		44.792	45.552
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.800	0.740	0.100	0.133		4.795	4.928
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.202		7.257	7.459
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			2.050			2.050		70.050	72.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.759			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	1.800	0.220	0.220	0.068			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.133			



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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							
								0.202			
		Net Qty = A - B						0.558		37.224	37.781
	BUN4TO BUN4.1										
	CH0.00	580.760	580.050	579.950			0.810				
	CH3.00	580.770	580.250	580.150			0.620	0.715			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.450	0.740	0.715	0.767		45.552	46.319
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.750	0.740	0.100	0.130		4.928	5.058
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.196		7.459	7.655
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			2.250			2.250		72.100	74.350
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.767			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	1.750	0.220	0.220	0.066			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.130			
								0.196			
		Net Qty = A - B						0.571		37.781	38.353
	BUN4 TO BUN4.2										
	CH0.00	580.760	580.050	579.950			0.810				
	CH2.02	580.770	580.290	580.190			0.580	0.695			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.470	0.740	0.695	0.242		46.319	46.561
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.770	0.740	0.100	0.057		5.058	5.115
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.086		7.655	7.741
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			1.270			1.270		74.350	75.620
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.242			



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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 nine line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Book No. :-
Page No. :-

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Uttamnagar(Balaji Nagar) SW Pipe-Measurement Line

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 of 200mm dia pipe										
	pipe area	1.00		0.785	0.770	0.220	0.220	0.029			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.057			
								0.086			
		Net Qty = A - B						0.155	38.353	38.508	
	BUN4 TO BUN4.3										
	CH0.00	580.760	580.050	579.950			0.810	0.680			
	CH2.02	580.800	580.350	580.250			0.550				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.470	0.740	0.680	0.237	46.561	46.797	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.770	0.740	0.100	0.057	5.115	5.172	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.086	7.741	7.827	
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			1.270			1.270	75.620	76.890	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.237			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	0.770	0.220	0.220	0.029			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.057			
								0.086			
		Net Qty = A - B						0.150	38.508	38.658	
	BUN5 TO BUN5.2										
	CH0.00	580.180	579.570	579.470			0.710	0.675			
	CH1.60	580.190	579.650	579.550			0.640				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.050	0.740	0.675	0.025	46.797	46.822	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.350	0.740	0.100	0.026	5.172	5.198	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.039	7.827	7.866	



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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								
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			0.850			0.850		76.890	77.740	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							0.025				
	Deduction of 200mm dia pipe											
	pipe area	1.00		0.785	0.350	0.220	0.220	0.013				
	soling							0.000				
	PCC							0.000				
	Murrum bedding							0.026				
								0.039				
		Net Qty = A - B							0.000		38.658	38.658
	BUN6 TO BUN6.1											
	CH0.00	580.890	580.100	580.000			0.890	0.795				
	CH3.50	580.920	580.320	580.220			0.700					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			1.950	0.740	0.795	1.147		46.822	47.969	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.250	0.740	0.100	0.167		5.198	5.364	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.252		7.866	8.118	
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			2.750			2.750		77.740	80.490	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							1.147				
	Deduction of 200mm dia pipe											
	pipe area	1.00		0.785	2.250	0.220	0.220	0.085				
	soling							0.000				
	PCC							0.000				
	Murrum bedding							0.167				
								0.252				
		Net Qty = A - B							0.895		38.658	39.553
	BUN7 TO BUN7.1											
	CH0.00	580.680	579.970	579.870			0.810	0.808				
	CH5.20	580.700	579.995	579.895			0.805					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			3.650	0.740	0.808	2.181		47.969	50.150	



2

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 (RPM) nine line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Book No. :- 031
Page No. :-

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL-	IL	EX.L							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.950	0.740	0.100	0.292		5.364	5.657
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.442		8.118	8.561
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			4.450			4.450		80.490	84.940
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.181			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	3.950	0.220	0.220	0.150			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.292			
								0.442			
		Net Qty = A - B							1.739	39.553	41.292
	BUN7 TO BUN7.2										
	CH0.00	580.680	579.970	579.870			0.810	0.730			
	CH2.01	580.700	580.150	580.050			0.650				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.460	0.740	0.730	0.248		50.150	50.399
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.760	0.740	0.100	0.056		5.657	5.713
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.085		8.561	8.646
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			1.260			1.260		84.940	86.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.248			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	0.760	0.220	0.220	0.029			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.056			
								0.085			
		Net Qty = A - B							0.163	41.292	41.456
	BUN7 TO BUN7.3										
		580.680	580.070	579.970			0.710	0.705			



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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							
	CH3.10	580.800	580.200	580.100			0.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.400	0.740	0.705	1.252		50.399	51.651
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.400	0.740	0.100	0.178		5.713	5.890
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.269		8.646	8.915
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			2.650			2.650		86.200	88.850
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.252			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	2.400	0.220	0.220	0.091			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.178			
								0.269			
								0.983		41.456	42.439
	BUN8 TO BUN8.1										
	CH0.00	580.580	579.870	579.770			0.810				
	CH4.40	580.700	579.980	579.880			0.820	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			3.700	0.740	0.815	2.231		51.651	53.882
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.700	0.740	0.100	0.274		5.890	6.164
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.414		8.915	9.329
	Extra Item No.9.2 :-Lowering & Laying of SW pipe of 200mm Dia	1			3.950			3.950		88.850	92.800
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.231			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	3.700	0.220	0.220	0.141			
	soling							0.000			
	PCC							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 Sewerage Treatment Plant based on modern technology at Nakshrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon. CIDCO (Airport), Construction, Erection, Testing and Commission of Sewerage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP DI pipe line from Golwadi SPS to Nakshrawadi (Kanchanwadi) STP and Ward No.98 to

Book No. :- **032**
Page No. :-

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Murrum bedding							0.274			
								0.414			
		Net Qty = A - B						1.817	42.439	44.256	
	BUN9 TO BUN9.1										
	CH0.00	580.330	579.730	579.630			0.700	0.700			
	CH3.90	580.500	579.900	579.800			0.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.350	0.740	0.700	1.217	53.882	55.100	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.650	0.740	0.100	0.196	6.164	6.360	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.297	9.329	9.626	
	Extra Item No.9.2 :- Lowering & Laying of SW pipe of 200mm Dia	1			3.150			3.150	92.800	95.950	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.217			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	2.650	0.220	0.220	0.101			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.196			
								0.297			
		Net Qty = A - B						0.921	44.256	45.176	
	BUN9 TO BUN9.2										
	CH0.00	580.330	579.730	579.630			0.700	0.665			
	CH6.70	580.530	580.000	579.900			0.630				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.150	0.740	0.665	2.534	55.100	57.634	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			5.450	0.740	0.100	0.403	6.360	6.764	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.610	9.626	10.236	
	Extra Item No.9.2 :- Lowering & Laying of SW pipe of 200mm Dia	1			5.950			5.950	95.950	101.900	
	Item No. 30 :- Refilling the excavated trenches ...										



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Measurement Book

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

Book No. :- 033
Page No. :-

Uttamnagar(Balaji Nagar) SW Pipe-Measurment Line

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 Excavation=							2.534			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	5.450	0.220	0.220	0.207			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.403			
								0.610			
								1.924	45.176	47.100	
	Net Qty = A - B										
	BUN9 TO BUN9.3										
	CH0.00	580.330	579.730	579.630			0.700	0.675			
	CH1.00	580.650	580.100	580.000			0.650				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.300	0.740	0.675	0.150	57.634	57.784	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.300	0.740	0.100	0.022	6.764	6.786	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.034	10.236	10.270	
	Extra Item No.9.2 :- Lowering & Laying of SW pipe of 200mm Dia	1			0.550			0.550	101.900	102.450	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.150			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	0.300	0.220	0.220	0.011			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.022			
								0.034			
								0.000	47.100	47.100	
	Net Qty = A - B										
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.105					0.105	



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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							
	BUN3										
	CH16.60	581.150	580.060	579.810			1.340				
	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	1.340	4.208	6.311	10.519	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.629	2.550	4.179	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.208			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.16	1.16	1.090	1.15			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.63			
		Net Qty = A - B						2.58	3.76	6.34	
	BUN4										
	CH24.10	580.760	579.750	579.500			1.260				
	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	4.000	1.260	3.956	10.519	14.475	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.544	4.179	5.724	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.956			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.16	1.16	1.010	1.07			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.54			
		Net Qty = A - B						2.41	6.34	8.75	
	BUN5										
	CH34.70	580.180	579.370	579.120			1.060				
	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	1.060	3.328	14.475	17.804	



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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 (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

Book No. :- 035
Page No. :-

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B	D		Page	Quantity		
		GL	IL	EX.L								
	Item No. : 11 Transportation of earth Transportation charges including loading & Item No. 30 :- Refilling the excavated trenches ...							1.333		5.724	7.057	
	Total Excavation(A)=							3.328				
	Deduction of 250mm dia pipe											
	Brick work	1.00		0.785	1.16	1.16	0.810	0.86				
	soling							0.00				
	PCC	1.00		0.785	1.56	1.56	0.25	0.48				
	Murum bedding							0.00				
	Total (B)							1.33				
		Net Qty = A - B								2.00	8.75	10.75
	BUN6											
	CH0.00	580.890	579.900	579.650			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	1.240	3.894		17.804	21.697	
	Item No. : 11 Transportation of earth Transportation charges including loading & Item No. 30 :- Refilling the excavated trenches ...							1.523		7.057	8.580	
	Total Excavation(A)=							3.894				
	Deduction of 250mm dia pipe											
	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								2.37	10.75	13.12
	BUN7											
	CH11.75	580.680	579.670	579.420			1.260					
	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	1.260	3.956		21.697	25.654	
	Item No. : 11 Transportation of earth Transportation charges including loading & Item No. 30 :- Refilling the excavated trenches ...							1.544		8.580	10.125	
	Total Excavation(A)=							3.956				
	Deduction of 250mm dia pipe											
	Brick work	1.00		0.785	1.16	1.16	1.010	1.07				



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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							
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.54			
		Net Qty = A - B								13.12	15.53
	BUN8										
	CH21.05	580.580	579.570	579.320			1.260				
	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	1.260	3.956	25.654	29.610	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.544	10.125	11.669	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.956			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.16	1.16	1.010	1.07			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.54			
		Net Qty = A - B								15.53	17.94
	BUN9										
	CH32.30	580.330	579.530	579.280			1.050				
	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	1.050	3.297	29.610	32.907	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.323	11.669	12.992	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.297			
	Deduction of 250mm dia pipe										
	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			
	Murum bedding							0.00			
	Total (B)							1.32			
		Net Qty = A - B								17.94	19.92



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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 CRP-DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Book No. :-

033

Page No. :-

Page 5 of 9

Uttamnagar(Balaji Nagar) SW Pipe-Chamber Meas.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	Excavation of Chamber - For 0.6m x 0.45m Size chamber up to 1.5 mt depth -0.6+0.5+0.3+0.3=1.7m										
	Bredth for chember up to 1.5m=0.45+0.5+0.3+0.3=1.55 m										
	BUN1.1										
	CH2.00	581.530	581.000	580.750			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			1.700	1.550	0.780	2.055		32.907	34.963
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.928		12.992	13.919
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.055			
	Deduction of 250mm dia pipe										
	Brick work	1.00		1	1.10	0.95	0.53	0.55			
	soling							0.00			
	PCC	1.00		1	1.30	1.15	0.25	0.37			
	Murrum bedding							0.00			
	Total (B)							0.93			
	Net Qty = A - B							1.13		19.92	21.04
	BUN3.1										
	CH2.00	581.200	580.600	580.350			0.850				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.850	2.240		34.963	37.202
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.001		13.919	14.920
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.240			
	Deduction of 250mm dia pipe										
	Brick work	1.00		1	1.10	0.95	0.600	0.63			
	soling							0.00			
	PCC	1.00		1	1.30	1.15	0.25	0.37			
	Murrum bedding							0.00			
	Total (B)							1.00			
	Net Qty = A - B							1.24		21.04	22.28



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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 (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 from Colaba to Nakshatravadi (Kanchanwadi) STP and Ward No.98 to

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Uttamnagar(Balaji Nagar) SW Pipe-Chamber Meas.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
CH3.00		580.770	580.250	580.000			0.770				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.770	2.029		37.202	39.231
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.917		14.920	15.837
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.029			
	Deduction of 250mm dia pipe										
	Brick work	1.00			1	1.10	0.95	0.520	0.54		
	soling								0.00		
	PCC	1.00			1	1.30	1.15	0.25	0.37		
	Murrum bedding								0.00		
	Total (B)							0.92			
		Net Qty = A - B							1.11	22.28	23.39
BUN4.2											
CH2.02		580.770	580.290	580.040			0.730				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.730	1.924		39.231	41.155
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.875		15.837	16.713
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							1.924			
	Deduction of 250mm dia pipe										
	Brick work	1.00			1	1.10	0.95	0.480	0.50		
	soling								0.00		
	PCC	1.00			1	1.30	1.15	0.25	0.37		
	Murrum bedding								0.00		
	Total (B)							0.88			
		Net Qty = A - B							1.05	23.39	24.44
BUN4.3											
CH2.02		580.800	580.350	580.100			0.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.700	1.844		41.155	42.999



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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

Book No. :-

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Uttamnagar(Balaji Nagar) SW Pipe-Chamber Meas.

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.844		16.713	17.557
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							1.844			
	Deduction of 250mm dia pipe										
	Brick work	1.00		1	1.10	0.95	0.450	0.47			
	soling							0.00			
	PCC	1.00		1	1.30	1.15	0.25	0.37			
	Murum bedding							0.00			
	Total (B)							0.84			
		Net Qty = A - B							1.00	24.44	25.44
	BUN5.2										
	CH1.60	580.190	579.650	579.400			0.790				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.790	2.082		42.999	45.081
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.938		17.557	18.495
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.082			
	Deduction of 250mm dia pipe										
	Brick work	1.00		1	1.10	0.95	0.540	0.56			
	soling							0.00			
	PCC	1.00		1	1.30	1.15	0.25	0.37			
	Murum bedding							0.00			
	Total (B)							0.94			
		Net Qty = A - B							1.14	25.44	26.59
	BUN6.1										
	CH3.50	580.920	580.320	580.070			0.850				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.850	2.240		45.081	47.321
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.001		18.495	19.495
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.240			
	Deduction of 250mm dia pipe										



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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Brick work	1.00		1	1.10	0.95	0.600	0.63			
	soling							0.00			
	PCC	1.00		1	1.30	1.15	0.25	0.37			
	Murum bedding							0.00			
	Total (B)							1.00			
		Net Qty = A - B								26.59	27.83
	BUN7.1										
	CH5.20	580.700	579.995	579.745			0.955				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.955	2.516	47.321	49.837	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.110	19.495	20.606	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.516			
	Deduction of 250mm dia pipe										
	Brick work	1.00		1	1.10	0.95	0.705	0.74			
	soling							0.00			
	PCC	1.00		1	1.30	1.15	0.25	0.37			
	Murum bedding							0.00			
	Total (B)							1.11			
		Net Qty = A - B								27.83	29.23
	BUN7.2										
	CH2.01	580.700	580.150	579.900			0.800				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.800	2.108	49.837	51.945	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.949	20.606	21.554	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.108			
	Deduction of 250mm dia pipe										
	Brick work	1.00		1	1.10	0.95	0.550	0.57			
	soling							0.00			
	PCC	1.00		1	1.30	1.15	0.25	0.37			
	Murum bedding							0.00			
	Total (B)							0.95			
		Net Qty = A - B								29.23	30.39
	BUN9.1										
	CH3.90	580.500	579.900	579.650			0.850				



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