

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	1.00		0.785	1.16	1.16	0.820	0.87			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.34			
		Net Qty = A - B						2.02		66.40	68.41
	C12										
	CH78.00	578.513	577.933	577.683			0.830				
	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	0.630	1.978	95.773	97.751	
	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	7.536	7.850	
	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	7.536	7.850	
	Item No. : 11 Transportation of earth Transportation charges							1.090	43.689	44.780	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.606			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.580	0.61			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.09			
		Net Qty = A - B						1.52		68.41	69.93
	C13										
	CH83.00	578.883	578.273	578.023			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			0.785	4.000	0.660	2.072	97.751	99.824	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.000	0.000	1.256	1.256	
	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	7.850	8.164	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	7.850	8.164	
	Item No. : 11 Transportation of earth Transportation charges							1.122	44.780	45.902	



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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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)=						2.700				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.610	0.64			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)						1.12				
		Net Qty = A - B						1.58		69.93	71.51



9th R A BILL MEASUREMENTS CHEMBER DETAILS CHELIPURA HANUMAN GALLI

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 For per 30 cm	Total Rebate Qty for 30 cm
		No				
		GL	IL	DEPTH		
A	Extra Item. No.02: Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete					
1	CHELIPURA HANUMAN GALLI					
1	H1	577.546	576.646	0.900	1.5	-0.600
2	H2	577.876	576.746	1.130	1.5	-0.370
3	H3	578.036	576.856	1.180	1.5	-0.320
4	H4	578.056	576.956	1.100	1.5	-0.400
5	H5	578.056	577.116	0.940	1.5	-0.560
6	H6	578.146	577.136	1.010	1.5	-0.490
7	H7	578.106	577.186	0.920	1.5	-0.580
8	H8	578.146	577.286	0.860	1.5	-0.640
9	H9	577.786	576.746	1.040	1.5	-0.460
10	H10	577.526	576.650	0.876	1.5	-0.624
11	H11	577.456	576.526	0.930	1.5	-0.570
12	H12	577.276	576.216	1.060	1.5	-0.440
13	H13	576.966	576.086	0.880	1.5	-0.620
14	H10/1	577.846	576.966	0.880	1.5	-0.620
15	H10/2	578.016	577.096	0.920	1.5	-0.580
16	H10/3	578.196	577.496	0.700	1.5	-0.800
17	H10/4	578.476	577.596	0.880	1.5	-0.620
	Total					-9.294
						-30.980
2	CHELIPURA SHAHAGANJ MANDI					
1	C1	575.933	574.958	0.975	1.5	-0.525
2	C2	576.268	575.098	1.170	1.5	-0.330
3	C3	576.798	575.378	1.420	1.5	-0.080
4	C4	577.018	575.648	1.370	1.5	-0.130
5	C5	577.203	575.883	1.320	1.5	-0.180
6	C6	577.283	575.993	1.290	1.5	-0.210
7	C7	577.663	576.563	1.100	1.5	-0.400
8	C8	577.883	576.803	1.080	1.5	-0.420
9	C9	578.103	577.063	1.040	1.5	-0.460
10	C10	578.223	577.313	0.910	1.5	-0.590
11	C11	578.383	577.563	0.820	1.5	-0.680
12	C12	578.513	577.933	0.580	1.5	-0.920
13	C13	578.883	578.273	0.610	1.5	-0.890
	Total					-5.815
						-19.383



Name of work :- Construction of Underground Sewerage Collection system for Zone I to VI and Zone Safe
 Name of work :- 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 SIP for

Name of Author

Date of Measurement

QUANTITY ABSTRACT RA 9th
 CHELIPURA HANUMAN GALLI

SR NO	Discription	MB/PG	ITEM 1		ITEM 2		ITEM 4		ITEM 7		ITEM 11		ITEM 12		ITEM 13		ITEM 30	ITEM 35	Extra Item 2	Extra Item 2.a		
			0-1.5	1.5-3.0	0-1.5	0-1.5	0-1.5	1.195	17.238	200mm	250mm	200mm	250mm	200mm	250mm	0-1.5 m					Rebate	
1	For Pipe		97.167	0.000	8.937	8.937	8.937	11.195	17.238	96.500	72.200	96.500	72.200	96.500	72.200	96.500	72.200	97.803	0.125			
2	For Manhole		99.824	1.256	8.164	8.164	8.164	45.902	45.902	96.500	72.200	96.500	72.200	96.500	72.200	96.500	72.200	71.506	0.125	30,000		
	Total		196.991	1.256	17.101	17.101	17.101	11.195	63.139	96.500	72.200	96.500	72.200	96.500	72.200	96.500	72.200	169.309	0.125	30,000	-50,363	
																					30,000	-50,363

CONTRACTOR
 Authorized Signatory



Project Engineer

PMC



Project Manager

Jr. Engineer

CLIENT

Dy. Engineer

Jr. Engineer

Ex. Engineer

Total up to Date

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.

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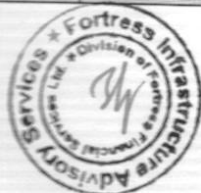
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Chelipura-02 Measurement sheet

9th RA BILL MEASUREMENTS DWC PIPE CHELIPURA-02

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	DWC - 250mm Dia									
	Width of Trench - For Lift 0 to 1.50m- 0.25+0.5=0.75m									
	For Lift 1.5 to 3.00m- 0.25+0.5+0.4=1.15m									
	For Lift 3.0 to 4.5m- 0.25+0.5+0.4+0.4=1.55m									
	CH01 TO CH02									
	CH0.00	577.820	575.760	575.660			2.160			
	CH13.40	578.520	576.670	576.570			1.950	2.055		
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			11.700	1.150	1.150	15.473	0.000	15.473
	(b) For Lift 1.5 to 3.0m	1			11.700	0.750	0.555	4.870	0.000	4.870
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			11.700	1.150	0.200	2.691	0.000	2.691
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			11.700	1.150	0.150	2.018	0.000	2.018
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			12.000	0.750	0.100	0.900	0.000	0.900
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.489	0.000	1.489
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			12.500			12.500	0.000	12.500
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation=							25.053		
	Deduction of 250mm dia pipe									
	pipe area	1.00		0.785	12.000	0.250	0.250	0.59		
	soling							0.00		
	PCC							0.00		
	Murrum bedding							0.90		
								1.49		
								23.56	0.00	23.56



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

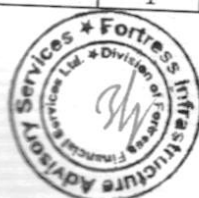
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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.500	1.150	0.150	0.431		3.743	4.175
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.100	0.750	0.100	0.233		1.695	1.928
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.385		2.804	3.188
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			3.600			3.600		23.600	27.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.100			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	3.100	0.250	0.250	0.15			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.23			
								0.38			
								4.72		43.21	47.93
	CH04 TO CH05										
	CH29.90	578.590	576.890	576.790			1.800				
	CH42.90	578.240	576.960	576.860			1.380	1.590			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.000	0.750	1.150	9.488		32.005	41.492
	(b) For Lift 1.5 to 3.0m	1			11.000	0.750	0.090	0.743		9.370	10.113
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.000	0.750	0.350	2.888		5.566	8.454
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.600	0.750	0.100	0.870		1.928	2.798
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.439		3.188	4.628
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			12.100			12.100		27.200	39.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							13.118			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	11.600	0.250	0.250	0.57			



Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total U Date Quanti
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.87			
								1.44			
	CH05 TO CH06	Net Qty = A - B						11.68		47.93	59
	CH42.90	578.240	576.960	576.860							
	CH48.00	578.210	576.990	576.890			1.380	1.350			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.100	0.750	1.000	2.325		41.492	43.8
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.100	0.750	0.350	0.814		8.454	9.26
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.700	0.750	0.100	0.278		2.798	3.07
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.459		4.628	5.08
	Item No. 13 :- (c) Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			4.200			4.200		39.300	43.50
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.139			
	Deduction of 250mm dia pipe pipe area	1.00		0.785	3.700	0.250	0.250	0.18			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.28			
								0.46			
	CH06 TO CH07	Net Qty = A - B						2.68		59.61	62.28
	CH48.00	578.210	576.990	576.890			1.320				
	CH54.60	578.110	577.120	577.020			1.090	1.205			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.600	0.750	0.855	2.950		43.817	46.767
	(b) For Lift 1.5 to 3.0m	1			4.600	0.750	0.000	0.000		10.113	10.113
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.600	0.750	0.350	1.208		9.267	10.475



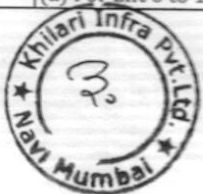
Name of work:- Development of Underground Sewerage Collection System for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport).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

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.600	0.750	0.000	0.000		4.175	4.175
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.200	0.750	0.100	0.390		3.075	3.465
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.645		5.087	5.732
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			5.700			5.700		43.500	49.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.157			
	Deduction of 250mm dia pipe pipe area	1.00		0.785	5.200	0.250	0.250	0.26			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							0.39			
								0.65			
								3.51		62.28	65.80
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.049						0.05



9th R A BILL MEASUREMENTS OF CHEMBERS CHELIPURA-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth - 0.9+0.5+0.3+0.3=2m										
	Area for chamber up to 1.5m=2 X 2=4m										
	CH2										
	CH13.40	578.520	576.670	576.420			2.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.150	3.611	0.000	3.611	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.600	1.884	0.000	1.884	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	0.000	0.628	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.000	0.471	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.432	0.000	2.432	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							6.594			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.850	1.95			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							2.43			
	Net Qty = A - B							4.16	0.00	4.16	
	CH3										
	CH25.40	578.730	576.790	576.540			2.190				
	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	1.150	3.611	3.611	7.222	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.690	2.167	1.884	4.051	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	0.628	1.256	





Measurement Book

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

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Chelipura-02CHEMBER

9th R A BILL MEASURMENTS CHEMBER DETAILS CHELIPURA-02

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		
A	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 1.5 M etc., complete						
1							
1	CH2	578.520	576.670	1.850	1.500	0.35	-0.07
2	CH3	578.730	576.790	1.940	1.500	0.44	
3	CH4	578.590	576.890	1.700	1.500	0.20	
4	CH5	578.240	576.960	1.280	1.500	-0.22	
5	CH6	578.210	576.990	1.220	1.500	-0.28	
6	CH7	578.110	577.120	0.990	1.500	-0.51	
						-0.02	-0.07



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

Name of
Author

Date of
Measurement

Chelipura-02Quantity Abstract

QUANTITY ABSTRACT
CHELIPURA-02

SR NO	Discription	MB/PG	ITEM 1		ITEM 2	ITEM 4	ITEM 7	ITEM 11	ITEM 12			ITEM 13		ITEM 30	ITEM 35	Extra Item 2	Extra Item 2.a
			0-1.5	1.5-3.0					200mm	250mm	315mm	200mm	250mm				
1	For Pipe		46.767	10.113	10.475	4.175	3.465	5.732	0.000	49.200	0.000	0.000	49.200	65.797	0.049		
2	For Manhole		20.755	5.558	3.768	2.826	12.351	18.083						20.556	6.00	6.00	-0.07
	Total		67.522	15.670	14.243	7.001	3.465	18.083	0.000	49.200	0.000	0.000	49.200	86.353	0.049	6.00	-0.07

CONTRACTOR
Kharat Infra Pvt. Ltd.
Authorized Signatory
Mumbai



PMC



Project Engineer

Project Manager

Jr. Engineer

Dy. Engineer

CLIENT

Ex. Engineer

Quantity	Total up to Date
9	10

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salam 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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Chelipura (Toti ki Masjid) Measurement

9th RA BILL MEASUREMENTS DWC PIPE CHELIPURA (TOTI KI MASJIT)

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	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=1.100m										
	For Lift 3.0 to 4.5m- 0.200+0.5+0.4+0.4=1.500m										
	CHT(OLD) TO CHT1										
	CH0.00	576.355	575.600	575.500			0.855	0.838			
	CH10.70	576.405	575.685	575.585			0.820				
	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	0.588	3.701	0.000	3.701	
	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	0.150	0.945	0.000	0.945	
	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	0.000	0.630	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			9.300	0.700	0.100	0.651	0.000	0.651	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.943	0.000	0.943	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia										
	(a) For Lift 0 to 1.5m	1			9.800			9.800	0.000	9.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.276			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	9.300	0.200	0.200	0.29			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							0.65			
								0.94			
								4.33	0.00	4.33	
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.036			0.04		0.04	



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

Book No. :-

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Page No. :-

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

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Chelipura (Toti ki Masjid)Chember Measurement

9th R A BILL MEASURMENTS DWC PIPE CHELIPURA(TOTI KI MASJIT)

Date	Particulars of work	DETAILS					Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth -0.9+0.5+0.3+0.3=2m									
	Area for chember up to 1.5m=2 X 2=4m									
	CHT1									
	CH10.70	576.405	575.685	575.435			0.970			
	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	0.000	2.261
	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	0.000	0.471
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.000	0.314
	Item No. : 11 Transportation of earth Transportation charges							1.24	0.000	1.238
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=							3.046		
	Deduction									
	Brick work	1.00		0.785	1.16	1.16	0.720	0.76		
	soling							0.00		
	PCC	1.00		0.785	1.56	1.56	0.25	0.48		
	Murrum bedding							0.00		
	Total (B)							1.24		
	Net Qty = A - B							1.81	0.00	1.81



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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Chelipura (Toti ki Masjid)CHEMBER

9th R A BILL CHEMBER DETAILS CHELIPURA(TOTI KI MASJIT)

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr		Total Rebate Qty for 30 cm
		No			For per 30 cm		
		GL	IL	DEPTH			
A	Extra Item No. :2 Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	CHT1	576.405	575.685	0.720	1.5	-0.780	-2.600
	Total					-0.780	-2.600



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.

B
P

Chelipura (Toti ki Masjid)Quantity Abstract

QUANTITY ABSTRACT

CHELIPURA(TOTI KI MASJIT)

SR NO	Discription	MB/PG	ITEM 1	ITEM 2	ITEM 4	ITEM 7	ITEM 11	ITEM 12	ITEM 13	ITEM 30	ITEM 35	Extra Item 2	Extra Item 2.a
			0-1.5	0-1.5	0-1.5	0-1.5	0.943	200mm	200mm	200mm	4.333	35	0-1.5 m
1	For Pipe		3.701	0.945	0.630	0.651	0.943	9.800	9.800	4.333	0.036		
2	For Manhole		2.261	0.471	0.314	1.238	1.238	9.800	9.800	1.808	1.00	1.00	-2.60
	Total		5.962	1.416	0.944	0.651	2.181	9.800	9.800	6.141	0.036	1.00	-2.60

CONTRACTOR
Khatir Infra Pvt. Ltd.
Authorized Signatory

Project Engineer

Project Manager

Jr. Engineer

Dy. Engineer

Ex. Engineer

PMC

CLIENT

Last Measurement	Quantity	Total up to Date

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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 CTD for Aurangabad City

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Sadef Colony Measurement-MB

9th R A BILL MEASUREMENTS

SADEF COLONY

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	RCC 250mm Dia-At SADEF COLONY										
	Width of Trench -										
	Bottom Lift 0.00-1.50m- 0.25+0.06+0.06+0.5=0.87m										
	From Bottom Lift 1.50m-3.00m- 0.25+0.06+0.06+0.5+0.40=1.27m										
	From Bottom Lift 3.00m-4.50m- 0.25+0.06+0.06+0.5+0.40+0.4 = 1.67m										
	SC1 TO SC2										
	CH0.00	581.208	580.278	580.078			1.13	1.135			
	CH5.90	581.373	580.433	580.233			1.14				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.785	2.664	0.000	2.664	
	(b) For Lift 1.5m to 3.0m	1			3.900	0.870	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			3.900	0.870	0.200	0.679	0.000	0.679	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.150	0.509	0.000	0.509	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.900	0.870	0.200	0.679	0.000	0.679	
	Item No. : 11 Transportation of earth Transportation charges including							0.973	0.000	0.973	
	Extra Item No 9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			5.000			5.000	0.000	5.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							3.851			
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.679			
	Total = B							0.973			
								Net Qty = A - B			
	SC2 TO SC3							2.878	0.000	2.878	
	CH5.90	581.373	580.433	580.233			1.14	1.090			
	CH13.05	581.463	580.623	580.423			1.04				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.150	0.870	0.740	3.316	2.664	5.979	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.150	0.870	0.200	0.896	0.679	1.575	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock										
	(a) For Lift 0 to 1.5m	1			5.150	0.870	0.150	0.672	0.509	1.181	



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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Sadef Colony Measurement-MB

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.150	0.870	0.200	0.896		0.679	1.575
	Item No. : 11 Transportation of earth Transportation charges including							1.285		0.973	2.257
	Extra Item No 9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			6.250			6.250		5.000	11.250
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							4.884			
	Deduction										
	pipe area	1		0.785	5.150	0.310	0.310	0.389			
	soiling							0.000			
	PCC							0.000			
	Murum bedding							0.896			
	Total = B							1.285			
	Net Qty = A - B							3.599		2.878	6.477
	SC3 TO SC4										
	CH13.05	581.463	580.623	580.423				1.04			
	CH20.20	581.593	580.713	580.513				1.08			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.150	0.870	0.710	3.181		5.979	9.160
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.150	0.870	0.200	0.896		1.575	2.471
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			5.150	0.870	0.150	0.672		1.181	1.853
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.150	0.870	0.200	0.896		1.575	2.471
	Item No. : 11 Transportation of earth Transportation charges including							1.285		2.257	3.542
	Extra Item No 9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			6.250			6.250		11.250	17.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							4.749			
	Deduction										
	pipe area	1		0.785	5.150	0.310	0.310	0.389			
	soiling							0.000			
	PCC							0.000			
	Murum bedding							0.896			
	Total = B							1.285			
	Net Qty = A - B							3.465		6.477	9.942
	SC4 TO SC5										
	CH20.20	581.593	580.713	580.513				1.08			
	CH24.85	581.783	580.883	580.683				1.10			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.650	0.870	0.740	1.706		9.160	10.866
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.650	0.870	0.200	0.461		2.471	2.932



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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Sadef Colony Measurement-MB

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE	
		GL	No			L	B		D	Page		Quantity
			IL	EX.L								
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc (a) For Lift 0 to 1.5m	1				6.400	0.870	0.675	3.758		21.628	25.386
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1				6.400	0.870	0.200	1.114		6.003	7.117
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1				6.400	0.870	0.150	0.835		4.502	5.337
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1				6.400	0.870	0.200	1.114		6.003	7.117
	Item No. : 11 Transportation of earth Transportation charges including								1.596		8.606	10.202
	Extra Item No 9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1				7.500			7.500		42.200	49.700
	Item No 30 :- Refilling the excavated trenches											
	Total Excavation = A								5.707			
	Deduction											
	pipe area	1		0.785		6.400	0.310	0.310	0.483			
	soiling								0.000			
	PCC								0.000			
	Murrum bedding								1.114			
	Total = B								1.596			
	Net Qty = A - B								4.111		23.527	27.638
	SC1.3 TO SC1.4											
	CH24.90	581.338	580.528	580.328					1.01			
	CH33.30	581.588	580.728	580.528					1.06		1.035	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc (a) For Lift 0 to 1.5m	1				6.400	0.870	0.685	3.814		25.386	29.200
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1				6.400	0.870	0.200	1.114		7.117	8.230
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1				6.400	0.870	0.150	0.835		5.337	6.173
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1				6.400	0.870	0.200	1.114		7.117	8.230
	Item No. : 11 Transportation of earth Transportation charges including								1.596		10.202	11.798
	Extra Item No 9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1				7.500			7.500		49.700	57.200
	Item No 30 :- Refilling the excavated trenches											
	Total Excavation = A								5.763			
	Deduction											
	pipe area	1		0.785		6.400	0.310	0.310	0.483			
	soiling								0.000			
	PCC								0.000			
	Murrum bedding								1.114			
	Total = B								1.596			
	Net Qty = A - B								4.166		27.638	31.805



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Sadef Colony Measurement-MB

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	DWC - 160 mm Dia										
	Width of Trench - For										
	Lift 0 to 1.50m-0.16+0.5=0.66m										
	For Lift 1.5 to 3.00m-0.160+0.5+0.4=1.06m										
	For Lift 3.0 to 4.5m-0.160+0.5+0.4+0.4=1.460m										
	SCL1 TO SCL1/1/1										
	CH0.00	581.288	580.458	580.358			0.930	0.810			
	CH4.90	581.290	580.700	580.600			0.690				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.350	0.660	0.460	1.017	29.200	30.217 ✓	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.350	0.660	0.200	0.442	8.230	8.672 ✓	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.350	0.660	0.150	0.332	6.173	6.504 ✓	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)										
		1			3.650	0.660	0.100	0.241	8.230	8.471 ✓	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated							0.314	11.798	12.113 ✓	
	Item No. 13 :- Lowering & Laying of Polyethylene DWC pipe of 160mm Dia	1			4.150			4.150	0.000	4.150 ✓	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.791			
	Deduction										
	pipe area	1.00		0.785	3.650	0.160	0.160	0.073			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.241			
								0.314			
								1.477	31.805	33.284 ✓	
	Net Qty = A - B										
	SC2 TO SC2.1										
	CH0.00	581.373	580.433	580.333			1.040	0.820			
	CH4.30	581.363	580.863	580.763			0.600				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.750	0.660	0.470	0.853	30.217	31.070 ✓	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.750	0.660	0.200	0.363	8.672	9.035 ✓	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.750	0.660	0.150	0.272	6.504	6.777 ✓	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)										
		1			3.050	0.660	0.100	0.201	8.471	8.672 ✓	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated							0.263	12.113	12.375 ✓	



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

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	1.00		0.785	1.16	1.16	0.94	0.99				
	soling							0.00				
	PCC	1.00		0.785	1.56	1.56	0.25	0.48				
	Murum bedding							0.00				
	Total (B)							1.47				
		Net Qty = A - B								2.27	2.25	4.51
	SC3											
	CH13.05	581.463	580.623	580.373			1.090					
	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	0.740	2.324		5.244	7.567	
	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	0.200	0.628		1.256	1.884	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		0.942	1.413	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.365		2.930	4.295	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							3.423				
	Deduction											
	Brick work	1.00		0.785	1.16	1.16	0.84	0.89				
	soling							0.00				
	PCC	1.00		0.785	1.56	1.56	0.25	0.48				
	Murum bedding							0.00				
	Total (B)							1.36				
		Net Qty = A - B								2.06	4.51	6.57
	SC4											
	CH20.20	581.593	580.713	580.463			1.130					
	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	0.780	2.449		7.567	10.017	
	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	0.200	0.628		1.884	2.512	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		1.413	1.884	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.407		4.295	5.702	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							3.548				



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Sadef Colony CHAMBER Measurement

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	1.00		0.785	1.16	1.16	0.88	0.93			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.41			
		Net Qty = A - B							2.14	6.57	8.71
	SC5										
	CH24.85	581.783	580.883	580.633			1.150				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.800	2.512	10.017	12.529	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	2.512	3.140	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	1.884	2.355	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.428	5.702	7.131	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.611			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.90	0.95			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.43			
		Net Qty = A - B							2.18	8.71	10.89
	SC6										
	CH32.00	582.033	581.283	581.033			1.000				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.650	2.041	12.529	14.570	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	3.140	3.768	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	2.355	2.826	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.270	7.131	8.401	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.140			



Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Safim 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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Sadef Colony CHAMBER Measurement

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	Deduction									
	Brick work	1.00		0.785	1.16	1.16	0.75	0.79		
	soling							0.00		
	PCC	1.00		0.785	1.56	1.56	0.25	0.48		
	Murram bedding							0.00		
	Total (B)							1.27		
								1.87	10.89	12.76
	SC1.1									
	CH9.35	581.288	580.458	580.208			1.080			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.730	2.292	14.570	16.862
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	3.768	4.396
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	2.826	3.297
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.354	8.401	9.755
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=							3.391		
	Deduction									
	Brick work	1.00		0.785	1.16	1.16	0.83	0.88		
	soling							0.00		
	PCC	1.00		0.785	1.56	1.56	0.25	0.48		
	Murram bedding							0.00		
	Total (B)							1.35		
								2.04	12.76	14.80
	SC1.2									
	CH16.50	581.328	580.488	580.238			1.090			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.740	2.324	16.862	19.185
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	4.396	5.024
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	3.297	3.768
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.365	9.755	11.120
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=							3.423		
	Deduction									

