

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 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			1.700	1.550	0.850	2.240		51.945	54.185	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.001		21.554	22.555	
	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		30.39	31.63
	BUN9.2											
	CH6.70	580.530	580.000	579.750			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		54.185	56.240	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.928		22.555	23.483	
	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	0.530	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		31.63	32.76



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Uttamnagar(Balaji Nagar) SW Pipe-CHEMBER

9th R A BILL CHEMBER DETAILS UTTAMNAGAR(BALAJI NAGAR)

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 For per 30 cm	Total Rebate Qty for 30	
		No					
		GL	IL	DEPTH			
1	UTTAMNAGAR(BALAJI NAGAR)						
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	BUN1	581.520	580.660	0.860	1.5	-0.640	-10.30
2	BUN2	581.060	580.410	0.650	1.5	-0.850	
3	BUN3	581.150	580.060	1.090	1.5	-0.410	
4	BUN8	580.580	579.570	1.010	1.5	-0.490	
5	BUN9	580.330	579.530	0.800	1.5	-0.700	
	Total					-3.090	-10.30

B	Extra Item No. :2 Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	BUN4	580.760	579.750	1.010	1.5	-0.490	-7.27
2	BUN5	580.180	579.370	0.810	1.5	-0.690	
3	BUN6	580.890	579.900	0.990	1.5	-0.510	
4	BUN7	580.680	579.670	1.010	1.5	-0.490	
	Total					-2.180	-7.27

Providing and constructing on sewer.BBM manhole 0.6 m X 0.45 m Sqaure MH.

1	BUN1.1	581.530	581.000	0.530			
2	BUN3.1	581.200	580.600	0.600			
3	BUN4.1	580.770	580.250	0.520			
4	BUN4.2	580.770	580.290	0.480			
5	BUN4.3	580.800	580.350	0.450			
6	BUN5.2	580.190	579.650	0.540			
7	BUN6.1	580.920	580.320	0.600			
8	BUN7.1	580.700	579.995	0.705			
9	BUN7.2	580.700	580.150	0.550			
10	BUN9.1	580.500	579.900	0.600			
11	BUN9.2	580.530	580.000	0.530			
	Average Depth			0.555			



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

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

Authority N

Date of Measurement	
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Uttamnagar(Balaji Nagar) SW Pipe-Quantity Abstract

QUANTITY ABSTRACT																	
UTTAMNAGAR(BALAJI NAGAR)																	
SR NO	Discription	MB/PG	ITEM 1		ITEM 7	ITEM 11	ITEM 30	ITEM 35	Extra Item 2		Extra Item 2.a	Extra Item 4			Extra Item 5	Extra Item No.9.1	Extra Item No.9.2
			0-1.5	57.784					RR	Rebate		a	b	c			
1.	For Pipe		56,240	57,784	6,786	10,270	47,100	0.105	5,000	4,000	-17,567	4,241	12,821	24,054	36,874	200mm	200mm
2	For Manhole		114,024	114,024	6,786	33,752	79,858	0.105	5,000	4,000	-17,567	4,241	12,821	24,054	36,874	102.450	102.450
Total																	



Authorized Signatory



Project Engineer



Project Manager

Jr. Engineer

Dy. Engineer

CLIENT

Ex. Engineer

Total up to Date	10
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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 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 G.R.P. DI nine line from Golwadi SPS to Nakshirawadi (Kanchanwadi) STP and Ward No.98 to

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9th R A BILL MEASUREMENTS DWC PIPE VISHAL NAGAR NEAR SHITAL HOTEL

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	RCC 250mm Dia										
	Width of Trench - For Bottom Lift 0.00-1.50m- 0.25+0.06+0.06+0.5=0.870m										
	From Bottom Lift 1.50m-3.00m- 0.25+0.06+0.06+0.5+0.4=1.270m										
	From Bottom Lift 3.00m-4.50m- 0.25+0.06+0.06+0.5+0.4+0.4 = 1.670m										
	VN 01 to VN 02										
	CH0.00	590.970	590.000	589.800			1.17	1.040			
	CH8.90	590.970	590.260	590.060			0.91				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.900	0.870	1.040	6.243	0.000	6.243	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.500	0.870	0.200	1.305	0.000	1.305	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							1.871	0.000	1.871	
	Extra Item No.9.3 (b):- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			8.000			8.000	0.000	8.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							6.243			
	Deduction										
	pipe area	1		0.785	7.500	0.310	0.310	0.566			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.305			
	Total = B							1.871			
	Net Qty = A - B							4.372	0.000	4.372	
	VN 02 to VN 03										
	CH8.90	590.970	590.260	590.060			0.91	1.070			
	CH27.80	591.300	590.270	590.070			1.23				
	Item No. 1 :- Excavation for foundation, pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.900	0.870	1.070	15.732	6.243	21.975	



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Vishal Nagar Near Shital Hotel-Meas.RCC

(a) For Lift 0 to 1.5m	1			14.900	0.870	0.300	3.889		1.279	5.168
Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
(a) For Lift 0 to 1.5m	1			14.900	0.870	0.405	5.250		24.874	30.124
Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			15.500	0.870	0.200	2.697		5.307	8.004
Item No. : 11 Transportation of earth Transportation charges							3.866		7.608	11.474
Extra Item No.9.3 (b):- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			16.000			16.000		32.000	48.000
Item No 30 :- Refilling the excavated trenches ...										
Total Excavation = A							9.139			
Deduction										
pipe area	1			0.785	15.500	0.310	0.310	1.169		
soling								0.000		
PCC								0.000		
Murum bedding								2.697		
Total = B								3.866		
				Net Qty = A - B				5.273	18.545	23.818
VN 05 to VN 06										
CH51.60	591.140	590.660	590.460				0.68	0.650		
CH60.50	591.140	590.720	590.520				0.62			
Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
(a) For Lift 0 to 1.5m	1			6.900	0.870	0.300	1.801		5.168	6.969
Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
(a) For Lift 0 to 1.5m	1			6.900	0.870	0.350	2.101		30.124	32.225
Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.500	0.870	0.200	1.305		8.004	9.309
Item No. : 11 Transportation of earth Transportation charges							1.871		11.474	13.345
Extra Item No.9.3 (b):- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			8.000			8.000		48.000	56.000
Item No 30 :- Refilling the excavated trenches ...										
Total Excavation = A								3.902		
Deduction										
pipe area	1			0.785	7.500	0.310	0.310	0.566		
soling								0.000		
PCC								0.000		
Murum bedding								1.305		
Total = B								1.871		
				Net Qty = A - B				2.031	23.818	25.84



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VN 06 to VN 07									
CH60.50	591.140	590.720	590.520			0.62	1.010		
CH65.40	592.190	590.990	590.790			1.40			
Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.									
(a) For Lift 0 to 1.5m	1			2.900	0.870	0.300	0.757		6.969 7.726
Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.									
(a) For Lift 0 to 1.5m	1			2.900	0.870	0.710	1.791		32.225 34.017
Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)									
	1			3.500	0.870	0.200	0.609		9.309 9.918
Item No. : 11 Transportation of earth Transportation charges									
							0.873		13.345 14.218
Extra Item No.9.3 (b):- Lowering & Laying RCC NP3 class pipe of 250mm Dia									
	1			4.000			4.000		56.000 60.000
Item No 30 :- Refilling the excavated trenches ...									
Total Excavation = A							2.548		
Deduction									
pipe area	1		0.785	3.500	0.310	0.310	0.264		
soling							0.000		
PCC							0.000		
Murum bedding							0.609		
Total = B							0.873		
Net Qty = A - B							1.675		25.849 27.524
VN 07 to VN 08									
CH65.40	592.190	590.990	590.790			1.40	1.550		
CH76.30	592.590	591.090	590.890			1.70			
Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.									
(a) For Lift 0 to 1.5m	1			8.900	0.870	0.300	2.323		7.726 10.049
Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.									
(a) For Lift 0 to 1.5m	1			8.900	0.870	1.200	9.292		34.017 43.308
(b) For Lift 1.5m to 3.0m	1			8.900	0.870	0.050	0.387		0.000 0.387
Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)									
	1			9.500	0.870	0.200	1.653		9.918 11.571
Item No. : 11 Transportation of earth Transportation charges									
							2.370		14.218 16.588
Extra Item No.9.3 (b):- Lowering & Laying RCC NP3 class pipe of 250mm Dia									
	1			10.000			10.000		60.000 70.000
Item No 30 :- Refilling the excavated trenches ...									
Total Excavation = A							12.002		



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Item No. : 11 Transportation of earth Transportation charges								0.716		17.960	18.675	
Extra Item No.9.6 :- Lowering, Laying & Jointing of PVC Pipes of verious Dia. etc.												
a) 110mm	1			6.700				6.700		0.000	6.700	
b) 160mm	1			2.500				2.500		0.000	2.500	
Extra Item No.9.3 (b):- Lowering & Laying RCC NP3 class pipe of 250mm Dia										76.000	76.000	
Item No 30 :- Refilling the excavated trenches ...												
Total Excavation = A								1.753				
Deduction												
pipe area	1		0.785	9.200	0.135	0.135		0.132				
soling								0.000				
PCC								0.000				
Murum bedding								0.584				
Total = B								0.716				
								Net Qty = A - B		1.037	45.971	47.008



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Vishal Nagar Near Shital Hotel-Meas.Chember

9th R A BILL MEASUREMENTS OF CHEMBERS VISHAL NAGAR NEAR SHITAL HOTEL

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	HL	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										
	VN 01										
	CH0.00	590.970	590.000	589.750			1.220				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.220	3.831	0.000	3.831	
	Item No. : 11 Transportation of earth Transportation charges							1.502	0.000	1.502	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.831			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.970	1.025			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.502			
	Net Qty = A - B							2.329	0.000	2.329	
	VN 02										
	CH8.90	590.970	590.260	590.010			0.960				
	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	0.960	3.014	3.831	6.845	
	Item No. : 11 Transportation of earth Transportation charges							1.228	1.502	2.730	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.014			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.710	0.750			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.228			
	Net Qty = A - B							1.787	2.329	4.115	



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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

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Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EX.L							
	Item No. 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	0.430	1.350		12.372	13.722
	Item No. : 11 Transportation of earth Transportation charges							0.985		5.333	6.317
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.292			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.480	0.507			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							0.985			
					Net Qty = A - B			1.308		7.981	9.288
	VN 06										
	CH60.50	591.140	590.720	590.470			0.670				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.79	4.000	0.300	0.942		1.884	2.826
	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	0.370	1.162		13.722	14.884
	Item No. : 11 Transportation of earth Transportation charges							0.921		6.317	7.239
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.104			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.420	0.444			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							0.921			
					Net Qty = A - B			1.183		9.288	10.471
	VN 07										
	CH65.40	592.190	590.990	590.740			1.450				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.79	4.000	0.300	0.942		2.826	3.768
	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		14.884	18.495



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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. : 11 Transportation of earth Transportation charges							1.745	7.239	8.984	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.553			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.200	1.268			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.745			
		Net Qty = A - B								10.471	13.279
	VN 08										
	CH76.30	592.590	591.090	590.840			1.750				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.79	4.000	0.300	0.942	3.768	4.710	
	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	1.200	3.768	18.495	22.263	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.250	0.785	0.000	0.785	
	Item No. : 11 Transportation of earth Transportation charges							2.062	8.984	11.046	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.495			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.500	1.584			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							2.062			
		Net Qty = A - B								13.279	16.712
	VN 09										
	CH83.20	592.740	591.240	590.990			1.750				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.79	4.000	0.300	0.942	4.710	5.652	
	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	1.200	3.768	22.263	26.031	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.250	0.785	0.785	1.570	



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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

Book No. :- 056
Page No. :-

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							2.062		11.046	13.108	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							5.495				
	Deduction											
	Brick work	1		0.785	1.160	1.160	1.500	1.584				
	soling							0.000				
	PCC	1		0.785	1.560	1.560	0.250	0.478				
	Murrum bedding							0.000				
	Total (B)							2.062				
		Net Qty = A - B										
								3.433		16.712	20.145	



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9th RA BILL MEASUREMENTS CHEMBER DETAILS VISHAL NAGAR NEAR SHITAL HOTEL

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr	Total Rebate Qty for 30 cm
		No				
		GL	IL	DEPTH	For per 30 cm	
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	VISHAL NAGAR NEAR SHITAL HOTEL					
1	VN 01	591.430	590.000	1.430	1.500	-0.070
2	VN 02	591.555	590.260	1.295	1.500	-0.205
3	VN 03	591.540	590.270	1.270	1.500	-0.230
4	VN 04	591.840	590.320	1.520	1.500	0.020
5	VN 05	591.820	590.660	1.160	1.500	-0.340
6	VN 06	591.890	590.720	1.170	1.500	-0.330
7	VN 07	591.540	590.990	0.550	1.500	-0.950
8	VN 08	591.990	591.090	0.900	1.500	-0.600
9	VN 09	591.840	591.240	0.600	1.500	-0.900
	TOTAL					-3.605
						-12.017



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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 A

Name of Author

Date of Measurement	1
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Vishal Nagar Near Shital Hotel-Quantity Abstract

QUANTITY ABSTRACT
VISHAL NAGAR NEAR SHITAL HOTEL

Sr. No.	Description	MB/PG	ITEM 1		ITEM 3		ITEM 7	ITEM 11	ITEM 30	Extra Item 2 0-1.5 m	Extra Item 2.a Rebate	Extra Item No. 9.3			Extra Item No. 9.4			Extra Item No. 9.5		Extra Item No. 9.6	
			0-1.5	1.5-3.0	0-1.5	1.5-3.0						a	b	c	a	b	c	a	b	a	b
1	For Pipe		52.53	1.24	11.92	13.11	18.68	47.01			76.00							6.70	2.50	6.70	2.50
2	For Manhole		26.03	1.57	5.65		13.11	20.14		9.00	-12.02							6.70	2.50	6.70	2.50
	Total		78.56	2.81	17.57	13.11	31.78	67.15		9.00	-12.02	76.00	0.00	76.00	0.00	76.00	0.00	6.70	2.50	6.70	2.50



Authorized Signatory



Jr. Engineer



Ex. Engineer

CLIENT



Total up to Date	10
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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 (Kanehanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commissioning of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying, jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanehanwadi) STP and Ward No.98 to

Book No. 037
Page No.

Page 1 of 7

Balaji Nagar(near balaji mangal karyalay) SW Pipe Measurement Line

9th R A BILL MEASUREMENTS SW PIPE BALAJI NAGAR(Near balaji mangal karyalaya)

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 - 250 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.02+0.02+0.5=0.79m										
	For Lift 1.5 to 3.00m- 0.250+0.02+0.02+0.5+0.4=1.19m										
	For Lift 3.0 to 4.5m- 0.250+0.5+0.02+0.02+0.4+0.4=1.59m										
	BMK1(old) TO BMK2										
	CH0.00	582.011	581.081	580.981			1.030				
	CH5.50	582.321	581.251	581.151			1.170	1.100			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.100	0.790	1.000	3.239		0.000	3.239
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.100	0.790	0.100	0.324		0.000	0.324
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
		1			4.400	0.790	0.100	0.348		0.000	0.348
	Item No. : 11 Transportation of earth Transportation charges including loading &										
								0.599		0.000	0.599
	Extra Item No.9.2 :- Lowering & Laying of SW pipe of 250mm Dia										
		1			4.900			4.900		0.000	4.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.563			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	4.400	0.270	0.270	0.25			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.35			
								0.60			
	Net Qty = A - B							2.96		0.000	2.964



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

Book No. :- 067
Page No. :-

Page 2 of 7

Balaji Nagar(near balaji mangal karyalay) SW PipeMeasurement 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							
	BMK2 TO BMK3										
	CH5.50	582.321	581.251	581.151			1.170	1.210			
	CH8.70	582.511	581.361	581.261			1.250				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.500	0.790	1.110	1.315	3.239	4.554	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.500	0.790	0.100	0.119	0.324	0.442	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			2.100	0.790	0.100	0.166	0.348	0.514	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.286	0.599	0.885	
	Extra Item No.9.2 :- Lowering & Laying of SW pipe of 250mm Dia	1			2.600			2.600	4.900	7.500	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.434			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	2.100	0.270	0.270	0.12			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.17			
								0.29			
								Net Qty = A - B	1.15	2.964	4.111
	BMK3 TO BMK4										
	CH8.70	582.511	581.361	581.261			1.250	1.265			
	CH14.90	582.611	581.431	581.331			1.280				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.500	0.790	1.165	4.142	4.554	8.696	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.500	0.790	0.100	0.356	0.442	0.798	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)										
	(a) For Lift 0 to 1.5m	1			5.100	0.790	0.100	0.403	0.514	0.916	



2

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	SW PIPE - 150 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.150+0.02+0.02+0.5=0.69m										
	For Lift 1.5 to 3.00m- 0.150+0.02+0.02+0.5+0.4=1.09m										
	For Lift 3.0 to 4.5m- 0.150+0.5+0.02+0.02+0.4+0.4=1.49m										
	BM0 TO BM1	Storm water line BM0 to BM5									
	CH0.00	582.301	581.450	581.350			0.951	0.901			
	CH6.00	582.301	581.551	581.451			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			5.300	0.690	0.901	3.293	11.219	14.512	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.300	0.690	0.100	0.366	1.173	1.539	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.486	2.023	2.509	
	Extra Item No 9.2 :- Lowering & Laying of SW pipe of 150mm Dia	1			5.800			5.800	0.000	5.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.293			
	Deduction of 150mm dia pipe										
	pipe area	1.00		0.785	5.300	0.170	0.170	0.12			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.37			
								0.49			
		Net Qty = A - B						2.81	10.203	13.010	
	BM1 TO BM2										
	CH6.00	582.301	581.551	581.451			0.850	0.680			
	CH9.20	582.061	581.651	581.551			0.510				
	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	0.690	0.680	0.845	14.512	15.356	



Jr

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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065

9th R A BILL MEASURMENTS SW CHEMBER BALAJI NAGAR(Near balaji mangal karya)

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 - 250mm Dia										
	Excavation of Chamber - For 0.6 Dia. Chamber 0.6+0.5+0.3+0.3=1.7m Area = 1.7*1.7=2.89m										
	BMK2										
	CH5.50	582.321	581.251	581.001			1.320				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	2.890	1.220	2.768	0.000	2.768	
	(b) For Lift 1.5 to 3.0m	1			0.785	2.890	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			0.785	2.890	0.100	0.227	0.000	0.227	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	2.890	0.000	0.000	0.000	0.000	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.258	0.000	1.258	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.995			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.05	1.05	1.070	0.93			
	soling							0.00			
	PCC	1.00		0.785	1.30	1.30	0.250	0.33			
	Murrum bedding							0.00			
	Total (B)							1.26			
	Net Qty = A - B							1.74	0.00	1.74	
	BMK3										
	CH8.70	582.511	581.361	581.111			1.400				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	2.890	1.300	2.949	2.768	5.717	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	2.890	0.100	0.227	0.227	0.454	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.327	1.258	2.585	



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

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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. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	2.890	0.100	0.227		0.681	0.907
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	2.890	0.000	0.000		0.000	0.000
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.396		3.938	5.334
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.358			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.05	1.05	1.230	1.06			
	soling							0.00			
	PCC	1.00		0.785	1.30	1.30	0.25	0.33			
	Murrum bedding							0.00			
	Total (B)							1.40			
		Net Qty = A - B							1.96	5.48	7.44
	BM6(special for karyalaya)	0.9mx0.6m Size									
		582.541	582.040	581.790			0.751				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.751	2.553		11.865	14.418
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.000	0.000		0.907	0.907
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.292		5.334	6.625
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.553			
	Deduction of 250mm dia pipe										
	Brick work	1.00		1	1.40	1.10	0.501	0.77			
	soling							0.00			
	PCC	1.00		1	1.60	1.30	0.25	0.52			
	Murrum bedding							0.00			
	Total (B)							1.29			
		Net Qty = A - B							1.26	7.44	8.70



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

Book No. :-
Page No. :-

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Page 1 of 1

Balaji Nagar(near balaji mangal karyalay) SW PipeCHEMBER

9th R A BILL. CHEMBER DETAILS BALAJI NAGAR(Near balaji mangal karyalaya)

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5	Total Rebate Qty for 30	
		No					
		GL	IL	DEPTH	For per 30 cm		
A	Extra Item No. :3 Providing and constructing on sewer.BBM manhole 0.9 m X 0.6 m Sqaure and up to a depth of 1.5 M etc., complete						
1	M6	582.541	582.04	0.501	1.5	-0.999	-3.33
	Total					-0.999	-3.33



2

GRP/DI
STP for
Name of
Authori

Date of Measurement	1
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Balaji Nagar(near balaji mangal karyalay) SW PipeQuantity Abstract

QUANTITY ABSTRACT																									
BALAJI NAGAR(Near balaji mangal karyalaya)																									
SR NO	Discription	MB/PG	ITEM 1		ITEM 2		ITEM 7		ITEM 11		ITEM 30		ITEM 35		Extra Item 3.a		Extra Item 4			Extra Item 5		Extra Item No.9.1		Extra Item No.9.2	
			0-1.6	21.171	1.007	1.007	0-1.6	1.007	0-1.6	2.629	3.958	3.958	18.221	0.038	0-1.5 m	Rebate	a	b	c	d	b	150mm	250mm	150mm	250mm
1	For Pipe		21.171	1.007	1.007	2.629	3.958	3.958	18.221	0.038												24.100	16.850	24.100	16.850
2	For Manhole		14.418	0.907	0.907	2.629	10.583	10.583	8.701	0.038												24.100	16.850	24.100	16.850
	Total		35.590	1.915	1.915	2.629	26.922	26.922	8.701	0.038												24.100	16.850	24.100	16.850

CONTRACTOR


PMC


Jr. Engineer


By: Engineer


CLIENT

 Ex. Engineer

Quantity	Total up to Date
9	10

9th R A BILL MEASUREMENTS SW PIPE BALAJI NAGAR-05

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 - 250 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.02+0.02+0.5=0.790										
	For Lift 1.5 to 3.00m- 0.250+0.02+0.02+0.5+0.4= 1.190m										
	For Lift 3.0 to 4.5m- 0.250+0.5+0.02+0.02+0.4+0.4 =1.590m										
	BLN 1 TO BLN 2	Part - 01									
	CH0.00	583.140	581.940	581.840			1.300	1.250			
	CH7.90	583.140	582.040	581.940			1.200				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.200	0.790	0.550	2.694	0.000	2.694	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.200	0.790	0.450	2.204	0.000	2.204	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.200	0.790	0.250	1.225	0.000	1.225	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.500	0.790	0.100	0.514	0.000	0.514	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.885	0.000	0.885	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			7.000			7.000	0.000	7.000	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.123			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	6.500	0.270	0.270	0.37			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							0.51			
								0.89			
	Net Qty = A - B							5.24	0.00	5.24	



g

Date	Particulars of work	DETAILS					Content of arrears	Last measurment		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	BLN 2 TO BLN 3										
	CH7.90	583.140	582.040	581.940			1.200	1.340			
	CH15.30	583.820	582.440	582.340			1.480				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.400	0.790	1.340	5.716	2.694	8.410	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.000	0.790	0.100	0.474	0.514	0.988	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.817	0.885	1.703	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			6.500			6.500	7.000	13.500	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.716			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	6.000	0.270	0.270	0.34			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.47			
								0.82			
								Net Qty = A - B	4.90	5.24	10.14
	BLN 3 TO BLN 4										
	CH15.30	583.820	582.440	582.340			1.480	1.560			
	CH20.40	584.120	582.580	582.480			1.640				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.100	1.190	1.500	5.534	8.410	13.944	
	(b) For Lift 1.5m to 3.0m	1			3.100	0.790	0.060	0.147	0.000	0.147	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.700	0.790	0.100	0.292	0.988	1.280	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.504	1.703	2.207	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			4.200			4.200	13.500	17.700	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.680			



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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, CHCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward

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Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EX.L							
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	3.700	0.270	0.270	0.21			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.29			
								0.50			
		Net Qty = A - B							5.18	10.14	15.31
	BLN 4 TO BLN 5										
	CH20.40	584.120	582.580	582.480			1.640	1.630			
	CH26.80	584.270	582.750	582.650			1.620				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.400	1.190	1.500	7.854	13.944	21.798	
	(b) For Lift 1.5m to 3.0m	1			4.400	0.790	0.130	0.452	0.147	0.599	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.000	0.790	0.100	0.395	1.280	1.675	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.681	2.207	2.888	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			5.500			5.500	17.700	23.200	
	Item No. 30 :- Refilling the excavated trenches										
	Total Excavation=							8.306			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	5.000	0.270	0.270	0.29			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.40			
								0.68			
		Net Qty = A - B							7.62	15.31	22.94
	BLN 5 TO BLN 6										
	CH26.80	584.270	582.750	582.650			1.620	1.570			
	CH34.10	584.220	582.800	582.700			1.520				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.300	1.190	1.500	9.460	21.798	31.258	
	(b) For Lift 1.5m to 3.0m	1			5.300	0.790	0.070	0.293	0.599	0.892	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.900	0.790	0.100	0.466	1.675	2.141	



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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			4.500	0.790	1.125	3.999		35.113	39.112
	(b) For Lift 1.5m to 3.0m	1			4.500	0.790	0.000	0.000		0.892	0.892
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.100	0.790	0.100	0.403		2.457	2.860
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.695		4.237	4.931
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			5.600			5.600		34.100	39.700
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.999			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	5.100	0.270	0.270	0.29			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.40			
								0.69			
								3.30		35.20	38.50
	BKN 1 TO BKN 2										
	Part - 02										
	CH0.00	582.320	581.070	580.970			1.350				
	CH8.40	582.320	581.420	581.320			1.000	1.175			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.700	0.790	0.525	2.779		39.112	41.891
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.700	0.790	0.450	2.382		2.204	4.586
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.700	0.790	0.200	1.059		1.225	2.283
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.000	0.790	0.100	0.553		2.860	3.413
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.954		4.931	5.885



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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

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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. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.700	0.790	0.100	0.134		3.907	4.041	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.232		6.736	6.968	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			2.200			2.200		53.950	56.150	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							1.234				
	Deduction of 250mm dia pipe											
	pipe area	1.00		0.785	1.700	0.270	0.270	0.10				
	soling							0.00				
	PCC							0.00				
	Murum bedding							0.13				
								0.23				
		Net Qty = A - B							1.00		48.54	49.54
	BKN 4 TO BKN 5											
	CH19.15	582.870	581.650	581.550			1.320					
	CH29.75	583.360	582.010	581.910			1.450	1.385				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.											
	(a) For Lift 0 to 1.5m	1			8.600	0.790	1.385	9.410		48.749	58.159	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.200	0.790	0.100	0.727		4.041	4.768	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.253		6.968	8.221	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			9.700			9.700		56.150	65.850	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							9.410				
	Deduction of 250mm dia pipe											
	pipe area	1.00		0.785	9.200	0.270	0.270	0.53				
	soling							0.00				
	PCC							0.00				
	Murum bedding							0.73				
								1.25				
		Net Qty = A - B							8.16		49.54	57.70
	BKN 5 TO BKN 6											



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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							
	pipe area	1.00		0.785	6.400	0.270	0.270	0.37			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.51			
								0.87			
		Net Qty = A - B						5.38		64.11	69.49
	BKN 7 TO BKN 8										
	CH46.30	583.560	582.260	582.160			1.400	1.260			
	CH52.40	583.300	582.280	582.180			1.120				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.100	0.790	1.260	4.081		71.825	75.906
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.700	0.790	0.100	0.371		5.854	6.225
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.640		10.094	10.735
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			5.200			5.200		80.600	85.800
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.081			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	4.700	0.270	0.270	0.27			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.37			
								0.64			
		Net Qty = A - B						3.44		69.49	72.93
	BKN 8 TO BKN 9										
	CH52.40	583.300	582.280	582.180			1.120	1.010			
	CH59.50	583.350	582.550	582.450			0.900				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.100	0.790	1.010	4.069		75.906	79.976
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.700	0.790	0.100	0.450		6.225	6.676
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.776		10.735	11.511



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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							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.000	0.790	0.100	0.079		7.355	7.434
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.136		12.683	12.819
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			1.500			1.500		101.100	102.600
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.356			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	1.000	0.270	0.270	0.06			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.08			
								0.14			
								0.22		82.53	82.75
	Net Qty = A - B							0.22		82.53	82.75
	BSN 3 TO BSN 4										
	CH12.40	582.570	581.520	581.420			1.150	1.210			
	CH19.50	582.765	581.595	581.495			1.270				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.100	0.790	1.210	4.875		87.806	92.681
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.700	0.790	0.100	0.450		7.434	7.884
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.776		12.819	13.595
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			6.200			6.200		102.600	108.800
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.875			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	5.700	0.270	0.270	0.33			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.45			
								0.78			
								4.10		82.75	86.85
	Net Qty = A - B							4.10		82.75	86.85
	BSN 4 TO BSN 5										



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