

Bajjipura-2-0.9m Dia MH

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)=						1.666				
	Deduction										
	Brick work	1.000		1.000	1.400	1.100	0.240	0.370			
	soiling							0.000			
	PCC	1.000		1.000	1.600	1.300	0.250	0.520			
	Warman bedding							0.000			
	Total (B)							0.890			
		Net Qty = A - B						0.776		24.849	25.625
	HS13.1										
	CH0.00	585.700	585.200	584.950			0.750				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils. Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.590	2.006	36.761	38.767	
	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	0.060	0.204	2.088	2.292	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.100	0.340	3.480	3.820	
	Item No. : 11 Transportation of earth Transportation charges							1.29	16.704	17.994	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						2.550				
	Deduction										
	Brick work	1.000		1.000	1.400	1.100	0.500	0.770			
	soiling							0.000			
	PCC	1.000		1.000	1.600	1.300	0.250	0.520			
	Warman bedding							0.000			
	Total (B)							1.290			
		Net Qty = A - B						1.260		25.625	26.885
	HS14.1										
	CH0.00	585.760	585.210	584.960			0.800				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils. Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.640	2.176	38.767	40.943	
	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	0.060	0.204	2.292	2.496	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.100	0.340	3.820	4.160	



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. :-

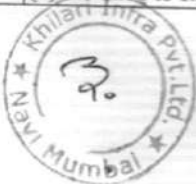
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Baijipura-2-0.9m Dia MH

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							1.37		17.994	19.361	
	Item No. 30 :- Refilling the excavated trenches ...											
	<b>Total Excavation(A)=</b>							<b>2.720</b>				
	<b>Deduction</b>											
	Brick work	1.000		1.000	1.400	1.100	0.550	0.847				
	soling							0.000				
	PCC	1.000		1.000	1.600	1.300	0.250	0.520				
	Murum bedding							0.000				
	<b>Total (B)</b>							<b>1.367</b>				
		<b>Net Qty = A - B</b>										
								<b>1.353</b>		26.885	28.238	
	<b>IB15.1</b>											
	<b>CH0.00</b>	586.010	585.560	585.310			0.700					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.											
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.540	1.836		40.943	42.779	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.											
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.060	0.204		2.496	2.700	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.100	0.340		4.160	4.500	
	Item No. : 11 Transportation of earth Transportation charges											
								1.21		19.361	20.571	
	Item No. 30 :- Refilling the excavated trenches ...											
	<b>Total Excavation(A)=</b>							<b>2.380</b>				
	<b>Deduction</b>											
	Brick work	1.000		1.000	1.400	1.100	0.450	0.693				
	soling							0.000				
	PCC	1.000		1.000	1.600	1.300	0.250	0.520				
	Murum bedding							0.000				
	<b>Total (B)</b>							<b>1.213</b>				
		<b>Net Qty = A - B</b>										
								<b>1.167</b>		28.238	29.405	
	<b>IB16.1</b>											
	<b>CH0.00</b>	586.040	585.590	585.340			0.700					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.											
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.540	1.836		42.779	44.615	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.											
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.060	0.204		2.700	2.904	



Baijipura-2-0.9m Dia MH

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1									
	Item No. : 11 Transportation of earth Transportation charges				2.000	1.700	0.100	0.340		4.500	4.840
	Item No. 30 :- Refilling the excavated trenches ... Total Excavation(A)=							1.21		20.574	21.787
	Deduction							2.380			
	Brick work										
	soiling	1.000		1.000	1.400	1.100	0.450	0.693			
	PCC	1.000		1.000	1.600	1.300	0.250	0.000			
	Murram bedding							0.520			
	Total (B)							0.000			
								1.213			
								1.167		29.405	30.572
	IB17.1										
	CH0.00	586.270	585.820	585.570							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete. (a) For Lift 0 to 1.5m	1			2.000	1.700	0.540	1.836		44.615	46.451
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete. (a) For Lift 0 to 1.5m	1			2.000	1.700	0.060	0.204		2.904	3.108
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			2.000	1.700	0.100	0.340		4.840	5.180
	Item No. : 11 Transportation of earth Transportation charges							1.21		21.787	23.000
	Item No. 30 :- Refilling the excavated trenches ... Total Excavation(A)=							2.380			
	Deduction										
	Brick work										
	soiling	1.000		1.000	1.400	1.100	0.450	0.693			
	PCC	1.000		1.000	1.600	1.300	0.250	0.000			
	Murram bedding							0.520			
	Total (B)							0.000			
								1.213			
								1.167		30.572	31.739





**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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Baijipura-2-0.9m MH Excavation

**9<sup>th</sup> RA BILL MEASUREMENTS (Excavation of Manhole)**

**BRANCH SEWER AT " BAIJIPURA-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										
	<b>BAI1</b>	<b>PART-II</b>									
	<b>CH9.00</b>	595.890	595.140	594.890			1.000				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.820	2.575	46.451	49.026	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.080	0.251	3.108	3.359	
	<b>Item No. 4:-</b> 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	5.180	5.494	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.270	23.000	24.270	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>3.140</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.750	0.792			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Soling	1		0.785	1.560	1.560	0.000	0.000			
								<b>1.270</b>			
	<b>Net Qty = A - B</b>							<b>1.870</b>	31.739	33.609	
	<b>BAI2</b>										
	<b>CH23.00</b>	596.140	595.190	594.940			1.200				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.020	3.203	49.026	52.229	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.080	0.251	3.359	3.610	
	<b>Item No. 4:-</b> 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	5.494	5.808	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.481	24.270	25.751	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>3.768</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.950	1.003			
	PCC	1		0.785	1.560	1.560	0.250	0.478			





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							
	Soling	1		0.785	1.560	1.560	0.000	0.000			
								1.481			
		Net Qty = A - B							2.287	33.609	35.896
	<b>BAI3</b>										
	<b>CH26.70</b>	596.140	595.220	594.970			1.170				
	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	0.990	3.109	52.229	55.337	
	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	0.080	0.251	3.610	3.862	
	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	5.808	6.122	
	Item No. : 11 Transportation of earth Transportation charges							1.449	25.751	27.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>3.674</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.920	0.972			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Soling	1		0.785	1.560	1.560	0.000	0.000			
								1.449			
		Net Qty = A - B							2.224	35.896	38.121
	<b>BAI4</b>										
	<b>CH33.55</b>	596.130	595.310	595.060			1.070				
	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	0.890	2.795	55.337	58.132	
	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	0.080	0.251	3.862	4.113	
	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	6.122	6.436	
	Item No. : 11 Transportation of earth Transportation charges							1.344	27.200	28.544	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>3.360</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.820	0.866			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Soling	1		0.785	1.560	1.560	0.000	0.000			
								1.344			
		Net Qty = A - B							2.016	38.121	40.137





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

**9<sup>th</sup> RA BILL MEASUREMENTS (Excavation of Manhole)  
BRANCH SEWER AT "BAIJIPURA-02"**

PART-I									
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									
SR NO	MB/ Page No	Chainage	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr		Total Rebate Qty for 30 cm
				GL	IL	DEPTH	For per 30 cm		
1		108.30	IB11	585.170	584.370	0.800	1.500	-0.70	-15.17
2		120.30	IB12	585.580	584.570	1.010	1.500	-0.49	
3		132.30	IB13	585.700	584.690	1.010	1.500	-0.49	
4		144.30	IB14	585.760	584.740	1.020	1.500	-0.48	
5		156.80	IB15	586.010	584.820	1.190	1.500	-0.31	
6		170.80	IB16	586.040	584.990	1.050	1.500	-0.45	
7		184.30	IB17	586.270	585.160	1.110	1.500	-0.39	
8		196.40	IB18	586.310	585.300	1.010	1.500	-0.49	
9		208.40	IB19	586.620	585.520	1.100	1.500	-0.40	
10		220.90	IB20	586.850	585.700	1.150	1.500	-0.35	
							-4.55		-15.17

Extra Item No 3: Providing and constructing on sewer.BBM manhole 0.9 mx0.6m square chamber up to a depth of 1.5 M etc., complete									
SR NO	MB/ Page No	Chainage	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr		Total Rebate Qty for 30 cm
				GL	IL	DEPTH	For per 30 cm		
1			IB11.1	585.170	584.930	0.240	1.500	-1.26	-21.20
2			IB13.1	585.700	585.200	0.500	1.500	-1.00	
3			IB14.1	585.760	585.210	0.550	1.500	-0.95	
4			IB15.1	586.010	585.560	0.450	1.500	-1.05	
5			IB16.1	586.040	585.590	0.450	1.500	-1.05	
6			IB17.1	586.270	585.820	0.450	1.500	-1.05	
							-6.36		-21.20

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

Sr.No.	MB/ Page No	Chainage	MH No	MTL	IL	Depth	Depth Difference than 1.5 m	Total Difference	Rebate/Add for Excess height (per 30 cm)
1		9.00	BAI1	596.490	595.140	1.35	-0.15	-0.430	-1.433
2		23.00	BAI2	596.740	595.190	1.55	0.05		
3		26.70	BAI3	596.740	595.220	1.52	0.02		
4		33.55	BAI4	596.730	595.310	1.42	-0.08		
5		40.10	BAI5	596.720	595.490	1.23	-0.27		





Name of work:- Development of Underground Sewerage Collection system for Zone 1 to Zone 4 and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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Name of Author

Date of Measurement

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Bajjipura-2-Quantity Abstract

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QUANTITY ABSTRACT  
"BAJJIPURA-02"

SR NO	Description	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		Extra Item 3		Extra Item 3.a		Extra Item 9.1								
			0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5		
1	For Pipe		92.010	6.267	9.795	10.559	19.556	23.220	44.900	23.220	44.900	23.220	44.900	23.220	44.900	44.900	88.517	0.150	0.150	0.150	0.150	15.000	15.000	15.000	15.000	6.000	6.000	6.000	6.000	11.080	59.600	11.080	59.600	11.080	59.600	11.080	59.600
2	For Manhole		60.330	4.364	6.750	10.559	29.687	23.220	44.900	23.220	44.900	23.220	44.900	23.220	44.900	44.900	41.757	0.150	0.150	0.150	0.150	15.000	15.000	15.000	15.000	6.000	6.000	6.000	6.000	11.080	59.600	11.080	59.600	11.080	59.600	11.080	59.600
	<b>Total</b>		152.340	10.631	16.545	21.118	49.242	46.440	89.800	46.440	89.800	46.440	89.800	46.440	89.800	89.800	130.274	0.300	0.300	0.300	0.300	30.000	30.000	30.000	30.000	12.000	12.000	12.000	12.000	22.160	119.200	22.160	119.200	22.160	119.200	22.160	119.200



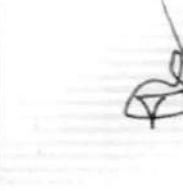
Authorized Signatory



Project Engineer



Project Manager



Client



Ex. Engineer

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

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

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Branch at Qaisar Colony Galli no 4-300mm Dia RCC 300mm Dia

**9th R A BILL MEASUREMENTS**  
**Branch Sewer at "Qaisar Colony "**

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	<b>300mm dia Qaisar Colony at Champa Chowk</b>										
	Width of Trench - For										
	Bottom Lift 0.00-1.50m- 0.3+0.08+0.08+0.5=0.96m										
	From Bottom Lift 1.50m-3.00m- 0.3+0.08+0.08+0.5+0.4=1.36m										
	From Bottom Lift 3.00m-4.50m- 0.3+0.08+0.08+0.5+0.4+0.4=1.76m										
	<b>RG15</b>	<b>Manhole of Roshan Gate Champa Chowk (Manhole No. RG15)</b>									
	CR0.00	584.820	582.220	582.020			2.800				
	CR6.30	585.100	582.250	582.050			3.050	2.925			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.100	1.360	0.400	1.686		0.000	1.686
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.100	1.360	0.950	4.005		0.000	4.005
	(b) For Lift 1.5m to 3.0m	1			3.100	0.960	1.025	3.050		0.000	3.050
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.100	1.360	0.150	0.632		0.000	0.632
	(b) For Lift 1.5m to 3.0m	1			3.100	0.960	0.315	0.937		0.000	0.937
	(c) For Lift 3.0m to 4.5m	1			3.100	0.960	0.085	0.253		0.000	0.253
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.100	0.960	0.200	0.595		0.000	0.595
	Item No. : 11 Transportation of earth Transportation charges including							0.947		0.000	0.947
	Extra Item 9.4 (c) :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			5.000			5.000		0.000	5.000
	Item No 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							<b>10.565</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	3.100	0.380	0.380	0.35			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							0.60			
	<b>Total = B</b>							<b>0.95</b>			
					<b>Net Qty = A - B</b>			<b>9.62</b>		<b>0.000</b>	<b>9.618</b>
	<b>RG15.1</b>										
	CR6.30	585.100	582.250	582.050			3.050	2.865			
	CR25.00	584.880	582.400	582.200			2.680				
	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			15.770	1.360	0.500	10.724		1.686	12.410
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.770	1.360	0.850	18.230		4.005	22.235
	(b) For Lift 1.5m to 3.0m	1			15.770	0.960	1.065	16.123		3.050	19.174



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

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

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Branch at Qaisar Colony Gallii no 4-300mm Dia RCC 300mm Dia

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			15.770	1.360	0.150	3.217	0.632	3.849	
	(b) For Lift 1.5m to 3.0m	1			15.770	0.960	0.300	4.542	0.937	5.479	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			15.770	0.960	0.200	3.028	0.595	3.623	
	Item No. : 11 Transportation of earth Transportation charges including							4.815	0.947	5.762	
	Extra Item 9.4 (c) :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			17.500			17.500	5.000	22.500	
	Item No 30 :- Refilling the excavated trenches -										
	Total Excavation= A							52.836			
	Deduction										
	pipe area	1		0.785	15.770	0.380	0.380	1.79			
	soling							0.00			
	PCC							0.00			
	Murram bedding							3.03			
	Total = B							4.82			
								Net Qty = A - B			
								48.02	9.618	57.639	
	RG15.2										
	CH25.00	584.880	582.400	582.200			2.680	2.565			
	CH38.60	584.780	582.530	582.330			2.450				
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.940	1.360	0.600	8.927	12.410	21.337	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.940	1.360	0.750	11.159	22.235	33.394	
	(b) For Lift 1.5m to 3.0m	1			10.940	0.960	0.865	9.085	19.174	28.258	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			10.940	1.360	0.150	2.232	3.849	6.081	
	(b) For Lift 1.5m to 3.0m	1			10.940	0.960	0.200	2.100	5.479	7.580	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.940	0.960	0.200	2.100	3.623	5.724	
	Item No. : 11 Transportation of earth Transportation charges including							3.341	5.762	9.103	
	Extra Item 9.4 (c) :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			12.500			12.500	22.500	35.000	
	Item No 30 :- Refilling the excavated trenches -										
	Total Excavation= A							33.503			
	Deduction										
	pipe area	1		0.785	10.940	0.380	0.380	1.24			
	soling							0.00			
	PCC							0.00			
	Murram bedding							2.10			
	Total = B							3.34			
								Net Qty = A - B			
								30.16	57.639	87.801	
	RG15.3										
	CH38.60	584.780	582.530	582.330			2.450	2.300			
	CH47.20	584.600	582.650	582.450			2.150				







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

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

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Branch at Qaisar Colony Galli no 4-300mm Dia RCC 300mm Dia

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Total Excavation= A						52.065				
	Deduction										
	pipe area	1		0.785	20.940	0.380	0.380	2.37			
	soling							0.00			
	PCC							0.00			
	Murram bedding							4.02			
	Total = B							6.39			
		Net Qty = A - B								102.666	148.337







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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Branch at Qaisar Colony Galli no 4-300mm Dia RCC 1.5m,1.2m,0.9m MH Excavation

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.150	0.833		1.206	2.039
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.165	0.916		2.532	3.449
	Item No. : 11 Transportation of earth Transportation charges							4.500		3.100	7.600
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>15.163</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.390	1.390	2.480	3.761			
	PCC	1		0.785	1.940	1.940	0.250	0.739			
	Soling	1		0.785	1.940	1.940	0.000	0.000			
								<b>4.500</b>			
	<b>Net Qty = A - B</b>							<b>10.663</b>		21.819	32.482
	<b>RG15.3</b>										
	<b>CH38.60</b>	584.780	582.530	582.280			2.500				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.600	3.333		5.993	9.325
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.750	4.166		12.358	16.523
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.800	4.443		15.441	19.884
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.150	0.833		2.039	2.872
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.200	1.111		3.449	4.559
	Item No. : 11 Transportation of earth Transportation charges							4.151		7.600	11.751
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>13.886</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.390	1.390	2.250	3.413			
	PCC	1		0.785	1.940	1.940	0.250	0.739			
	Soling	1		0.785	1.940	1.940	0.000	0.000			
								<b>4.151</b>			
	<b>Net Qty = A - B</b>							<b>9.735</b>		32.482	42.217
	<b>RG15.4</b>										
	<b>CH47.20</b>	584.600	582.650	582.400			2.200				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.600	3.333		9.325	12.658
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.750	4.166		16.523	20.689
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.500	2.777		19.884	22.662
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.150	0.833		2.872	3.705
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.200	1.111		4.559	5.670



Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim AB 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/PP pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to CIDCO (Airport).

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Branch at Qaisar Colony Galli no 4-300mm Dia RCC 1.5m,1.2m,0.9m MH Excavation

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. : 11 Transportation of earth Transportation charges						3.696		11.751	15.447	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation:-</b>						<b>12.220</b>				
	<b>Deduction</b>										
	Brick work	1		0.785	1.390	1.390	1.950	2.958			
	PCC	1		0.785	1.940	1.940	0.250	0.739			
	Soling	1		0.785	1.940	1.940	0.000	0.000			
							<b>3.696</b>				
				<b>Net Qty = A - B</b>				<b>8.523</b>	42.217	50.740	
	Excavation of Chamber - For 0.9 mt. dia chamber up to Depth of 1.5 mt. -0.9+0.5+0.3+0.3=2.0m										
	Depth for chamber up to Depth of 1.5m= 2*2=4m										
	RG15.5										
	CH70.65	584.400	582.820	582.570			1.830				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils. Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.000	3.140	12.658	15.798	
	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	0.350	1.099	20.689	21.788	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.330	1.036	22.662	23.698	
	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	3.705	4.176	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.000	0.000	5.670	5.670	
	(c) For Lift 3.0m to 4.5m	1			0.785	4.000	0.000	0.000	0.804	0.804	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.147	15.447	17.594	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>						<b>5.746</b>				
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	1.580	1.67			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Soling							0.00			
							<b>2.15</b>				
				<b>Net Qty = A - B</b>				<b>3.600</b>	50.740	54.340	



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

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Branch at Qaisar Colony Galli no 4-300mm Dia RCC MANHOLE

**9<sup>th</sup> RA BILL MEASUREMENTS (Excavation of Manhole)**  
**Branch Sewer at "Qaisar Colony "**

Item No. : 23 Providing and constructing on sewer BBM manhole 1.5 m dia at bottom and 0.5 m dia at top and up to a depth of 2 to 5.0 M

Sr.No.	MB/ Page No	Chainage	MH No	MTL	IL	Depth	Depth Difference than 5 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1		6.30	RG15.1	585.100	582.250	2.85	-2.15	-2.15	-4.30

Item No. : 21 Providing and constructing on sewer BBM manhole 1.2 m dia at bottom and 0.5 m dia at top and up to a depth of 2 M

Sr.No.	MB/ Page No	Chainage	MH No	MTL	IL	Depth	Depth Difference than 2 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1		25.00	RG15.2	584.880	582.400	2.48	0.48		
2		38.60	RG15.3	584.780	582.530	2.25	0.25	0.680	
3		47.20	RG15.4	584.600	582.650	1.95	-0.05		1.360

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

Sr.No.	MB/ Page No	Chainage	MH No	MTL	IL	Depth	Depth Difference than 1.5 m	Total Difference	Rebate/Add for Excess height (per 30 cm)
1		70.65	RG15.5	584.400	582.820	1.58	0.08	0.080	0.267





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 STP for

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Name  
Author

Date of Measurement

Branch at Qaisar Colony Galli no 4-300mm Dia RCC Quantity Node Abstract

9th R A BILL MEASUREMENTS

Branch Sewer - Qaisar Colony Galli No.-4

SR NO	Description	MIB/PG	ITEM 1			ITEM 2			ITEM 4			ITEM 7	ITEM 11	ITEM 21		ITEM 23	ITEM 23.1	ITEM 30	EIRL 2	EIRL 2.a	EIRL 9.3	EIRL 9.4		
			0-1.5	1.5-3.0	3.0-4.5	0-1.5	1.5-3.0	3.0-4.5	upto 2 m	Full Rate	Rebate			Full Rate	Rebate								300mm	300mm
1	For Pipe		54.662	49.420	41.027	11.565	8.720	0.253	10.884	17.311					148.34								65.00	
2	For Manhole		15.798	21.788	23.698	4.176	5.670	0.804	17.594	17.594					54.340									65.00
	<b>Total</b>		<b>70.460</b>	<b>71.209</b>	<b>64.725</b>	<b>15.741</b>	<b>14.390</b>	<b>1.057</b>	<b>10.884</b>	<b>34.904</b>					<b>202.68</b>								<b>65.00</b>	

CONTRACTOR  
Khan Infra Pvt Ltd. \*  
Authorized Signatory

PMC  
Infrastructure Advisory  
Financial Services  
Division of Fortess  
Project Engineer

CLIENT  
Infrastructure Advisory  
Financial Services  
Division of Fortess  
Project Manager

Ex. Engineer

ent	Quantity	Total up to Date
9		10

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim AB. 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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Ganesh colony(Ikon Hospital) 300mm-MB

**9th R A BILL MEASUREMENTS**  
**GANESH COLONY(NEAR IKON HOSPITAL )**

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	RCC 300mm Dia										
	Width of Trench - For										
	Bottom Lift 0.00-1.50m- 0.3+0.08+0.08+0.5=0.96m										
	From Bottom Lift 1.50m-3.00m- 0.3+0.08+0.08+0.5+0.4=1.36m										
	From Bottom Lift 3.00m-4.50m- 0.3+0.08+0.08+0.5+0.4+0.4= 1.76m										
	G11 TO G12										
	CH0.00	574.620	573.000	572.800			1.82	1.915			
	CH18.60	574.860	573.050	572.850			2.01				
	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			15.940	1.360	0.400	8.671	0.000	8.671	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.940	1.360	0.950	20.594	0.000	20.594	
	(b) For Lift 1.5m to 3.0m	1			15.940	0.960	0.415	6.350	0.000	6.350	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			15.940	1.360	0.150	3.252	0.000	3.252	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			15.940	0.960	0.200	3.060	0.000	3.060	
	Item No. : 11 Transportation of earth Transportation charges including							4.867	0.000	4.867	
	Extra Item No. 9.4 :-Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			17.500			17.500	0.000	17.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							38.868			
	Deduction										
	pipe area	1		0.785	15.940	0.380	0.380	1.807			
	solling							0.000			
	PCC							0.000			
	Murrum bedding							3.060			
	Total = B							4.867			
					Net Qty = A - B			34.001	0.000	34.001	
	G12 TO G13										
	CH18.60	574.860	573.050	572.850			2.01	2.050			
	CH37.20	574.990	573.100	572.900			2.09				
	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			15.940	1.360	0.400	8.671	8.671	17.343	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard										
	(a) For Lift 0 to 1.5m	1			15.940	1.360	1.050	22.762	20.594	43.357	
	(b) For Lift 1.5m to 3.0m	1			15.940	0.960	0.350	5.356	6.350	11.706	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			15.940	1.360	0.050	1.084	3.252	4.336	
	(b) For Lift 1.5m to 3.0m	1			15.940	0.960	0.200	3.060	0.000	3.060	



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Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			15.940	0.960	0.200	3.060		3.060	6.121
	Item No. : 11 Transportation of earth Transportation charges including							4.867		4.867	9.735
	Extra Item No. 9.4 :-Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			17.500			17.500		17.500	35.000
	Item No 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation = A</b>							40.934			
	<b>Deduction</b>										
	pipe area	1		0.785	15.940	0.380	0.380	1.807			
	soiling							0.000			
	PCC							0.000			
	Murum bedding							3.060			
	<b>Total = B</b>							4.867			
				<b>Net Qty = A - B</b>				36.067		34.001	70.067
	<b>G3 TO G4</b>										
	CRS7.20	574.990	573.100	572.900			2.09	2.135			
	CRS3.30	575.080	573.100	572.900			2.18				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			13.440	1.360	0.400	7.311		17.343	24.654
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.440	1.360	1.050	19.192		43.357	62.549
	(b) For Lift 1.5m to 3.0m	1			13.440	0.960	0.435	5.613		11.706	17.319
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock										
	(a) For Lift 0 to 1.5m	1			13.440	1.360	0.050	0.914		4.336	5.250
	(b) For Lift 1.5m to 3.0m	1			13.440	0.960	0.200	2.580		3.060	5.641
	Item No. : 11 Transportation of earth Transportation charges including							1.523		9.735	11.258
	Extra Item No. 9.4 :-Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			15.000			15.000		35.000	50.000
	Item No 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation = A</b>							35.611			
	<b>Deduction</b>										
	pipe area	1		0.785	13.440	0.380	0.380	1.523			
	soiling							0.000			
	PCC							0.000			
	Murum bedding							0.000			
	<b>Total = B</b>							1.523			
				<b>Net Qty = A - B</b>				34.087		70.067	104.154
	<b>G4 TO G5</b>										
	CRS3.30	575.080	573.100	572.900			2.18	2.230			
	CRS6.90	575.180	573.100	572.900			2.28				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			10.940	1.360	0.400	5.951		24.654	30.605
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.940	1.360	1.050	15.622		62.549	78.171
	(b) For Lift 1.5m to 3.0m	1			10.940	0.960	0.530	5.566		17.319	22.885
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										









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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Ganesh colony(Ikon Hospital) 300mm-MB

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			5.940	1.360	0.900	7.271		59.088	66.358
	(b) For Lift 1.5m to 3.0m	1			5.940	0.960	0.765	4.362		13.421	17.783
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.940	1.360	0.550	4.443		102.085	106.528
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			5.940	1.360	0.050	0.404		7.800	8.204
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete (bedding)	1			5.940	0.960	0.200	1.140		13.323	14.463
	<b>Item No. : 11</b> Transportation of earth Transportation charges including							1.814		22.712	24.526
	<b>Extra Item No. 9.4 :-</b> Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			7.500			7.500		93.750	101.250
	<b>Item No 30 :-</b> Refilling the excavated trenches ...							16.480			
	<b>Total Excavation = A</b>										
	<b>Deduction</b>	1		0.785	5.940	0.380	0.380	0.673			
	pipe area							0.000			
	soiling							0.000			
	PCC							1.140			
	Murrum bedding							1.814			
	<b>Total = B</b>							14.666		194.500	209.166
	<b>Net Qty = A - B</b>										
	<b>G19 TO G110</b>										
	CH110.05	575.510	573.380	573.180				2.33			
	CH123.65	575.580	573.470	573.270				2.31			
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.940	1.360	1.300	19.342		66.358	85.700
	(b) For Lift 1.5m to 3.0m	1			10.940	0.960	0.820	8.612		17.783	26.395
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.940	1.360	0.150	2.232		106.528	108.760
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			10.940	1.360	0.050	0.744		8.204	8.948
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc	1			10.940	0.960	0.200	2.100		14.463	16.563
	<b>Item No. : 11</b> Transportation of earth Transportation charges including							3.341		24.526	27.867
	<b>Extra Item No. 9.4 :-</b> Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			12.500			12.500		101.250	113.750
	<b>Item No 30 :-</b> Refilling the excavated trenches ...							30.930			
	<b>Total Excavation = A</b>										
	<b>Deduction</b>	1		0.785	10.940	0.380	0.380	1.240			
	pipe area							0.000			
	soiling							0.000			
	PCC							2.100			
	Murrum bedding							3.341			
	<b>Total = B</b>							27.589		209.166	236.755
	<b>Net Qty = A - B</b>										
	<b>G110 TO G111</b>										
	CH123.65	575.580	573.470	573.270				2.31			





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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Ganesh colony(Ikon Hospital) 300mm-MB

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	<b>CH141.00</b>	575.810	573.560	573.360			2.45				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.690	1.360	1.300	25.972		85.700	
	(b) For Lift 1.5m to 3.0m	1			14.690	0.960	0.880	12.410		26.395	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.690	1.360	0.150	2.997		108.760	
	(b) For Lift 1.5m to 3.0m	1			14.690	0.960	0.000	0.000		25.936	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			14.690	1.360	0.050	0.999		8.948	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete (bedding)	1			14.690	0.960	0.200	2.820		16.564	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km average rate							4.486		27.866	
	<b>Extra Item No. 9.4 :-</b> Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			16.250			16.250		113.750	
	<b>Item No 30 :-</b> Refilling the excavated trenches										
	<b>Total Excavation = A</b>							<b>42.378</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	14.690	0.380	0.380	1.665			
	soling							0.000			
	PCC							0.000			
	Murum bedding							2.820			
	<b>Total = B</b>							<b>4.486</b>			
					<b>Net Qty = A - B</b>			<b>37.892</b>		<b>236.755</b>	<b>274.647</b>
	<b>GI11 TO GI12</b>										
	<b>CH141.00</b>	575.810	573.560	573.360			2.45				
	<b>CH158.35</b>	575.870	573.810	573.610			2.26	2.355			
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.690	1.360	1.300	25.972		111.672	
	(b) For Lift 1.5m to 3.0m	1			14.690	0.960	0.855	12.058		38.805	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.690	1.360	0.150	2.997		111.757	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			14.690	1.360	0.050	0.999		9.947	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete (bedding)	1			14.690	0.960	0.200	2.820		19.384	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including							4.486		32.352	
	<b>Extra Item No. 9.4 :-</b> Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			16.250			16.250		130.000	
										146.250	





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Ganesh colony (ikon Hospital) 300mm-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. : 11 Transportation of earth Transportation charges including							3.722		39.033	42.755
	Extra Item No. 9.4 :-Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			13.750			13.750		155.000	168.750
	Item No 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation = A</b>							29.022			
	<b>Deduction</b>										
	pipe area	1		0.785	12.190	0.380	0.380	1.382			
	soling							0.000			
	PCC							0.000			
	Murum bedding							2.340			
	<b>Total = B</b>							3.722			
					<b>Net Qty = A - B</b>			<b>25.300</b>		<b>328.317</b>	<b>353.617</b>
	<b>GI14 TO GI15</b>										
	CH183.05	576.390	574.680	574.480			1.91	1.835			
	CH197.90	576.360	574.800	574.600			1.76				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			12.190	1.360	1.300	21.552		171.908	193.460
	(b) For Lift 1.5m to 3.0m	1			12.190	0.960	0.035	0.410		55.165	55.574
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.190	1.360	0.150	2.487		118.707	121.194
	(b) For Lift 1.5m to 3.0m	1			12.190	0.960	0.300	3.511		29.447	32.957
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			12.190	1.360	0.050	0.829		12.264	13.093
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			12.190	0.960	0.200	2.340		25.926	28.266
	Item No. : 11 Transportation of earth Transportation charges including							3.722		42.755	46.478
	Extra Item No. 9.4 :-Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			13.750			13.750		168.750	182.500
	Item No 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation = A</b>							28.788			
	<b>Deduction</b>										
	pipe area	1		0.785	12.19	0.380	0.380	1.382			
	soling							0.000			
	PCC							0.000			
	Murum bedding							2.340			
	<b>Total = B</b>							3.722			
					<b>Net Qty = A - B</b>			<b>25.066</b>		<b>353.617</b>	<b>378.682</b>
	<b>DWC - 200mm Dia</b>										
	<b>Width of Trench -</b> 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										
	<b>GI2 TO GI2 1</b>										
	CH0.00	574.860	573.050	572.950			1.910	1.835			
	CH7.20	574.860	573.200	573.100			1.760				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth										





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Ganesh colony(Ikon Hospital) 300mm-MB

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			5.020	1.100	0.400	2.209		193.460	195.669 ✓
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.020	1.100	1.050	5.798		121.194	126.992 ✓
	(b) For Lift 1.5 to 3m	1			5.020	0.700	0.335	1.177		32.957	34.135 ✓
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			5.020	0.700	0.050	0.176		13.093	13.268 ✓
	(b) For Lift 1.5 to 3m	1			5.020	0.700	0.200	0.703		8.882	9.585 ✓
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc	1			5.820	0.700	0.100	0.407		28.266	28.674 ✓
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading & unloading excavated							0.590		46.478	47.068 ✓
	<b>Item No. 13 :-</b> (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			6.300			6.300		0.000	6.300 ✓
	<b>Item No. 30 :-</b> Refilling the excavated trenches										
	<b>Total Excavation=</b>							10.063			
	<b>Deduction of 200mm dia pipe</b>										
	pipe area	1.00		0.785	5.820	0.200	0.200	0.183			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.407			
								0.590			
								<b>Net Qty = A - B</b>		378.682	388.155 ✓
	<b>G16 TO G16.1</b>										
	CH0.00	575.180	573.190	573.090			2.090	2.040			
	CH3.25	575.180	573.290	573.190			1.990				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils. Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.070	1.100	0.400	0.471		195.669	196.140 ✓
	(b) For Lift 1.5 to 3m	1			1.070	0.700	0.000	0.000		55.574	55.574 ✓
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.070	1.100	0.850	1.000		126.992	127.992 ✓
	(b) For Lift 1.5 to 3m	1			1.070	0.700	0.540	0.404		34.135	34.539 ✓
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.070	1.100	0.050	0.059		13.268	13.327 ✓
	(b) For Lift 1.5 to 3m	1			1.070	0.700	0.200	0.150		9.585	9.735 ✓
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.870	0.700	0.100	0.131		28.674	28.805 ✓
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading & unloading excavated							0.190		47.068	47.257 ✓
	<b>Item No. 13 :-</b> (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			2.350			2.350		6.300	8.650 ✓
	<b>Item No. 30 :-</b> Refilling the excavated trenches										
	<b>Total Excavation=</b>							2.084			
	<b>Deduction of 200mm dia pipe</b>										
	pipe area	1.00		0.785	1.870	0.200	0.200	0.059			
	soling							0.000			
	PCC							0.000			



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Ganesh colony(Ikon Hospital) 300mm-MB

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Murram bedding							0.131			
								0.190			
								1.895	388.155	390.049	
	<b>GI12 TO GI12.1</b>										
	CH0.00	575.870	574.210	574.110			1.760				
	CH3.40	575.920	574.500	574.400			1.520	1.640			
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils. Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			1.370	1.100	1.300	1.959	196.140	198.099	
	(b) For Lift 1.5 to 3m	1			1.370	0.700	0.140	0.134	55.574	55.708	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			1.370	1.100	0.150	0.226	127.992	128.218	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.370	1.100	0.050	0.075	13.327	13.403	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.170	0.700	0.100	0.152	28.805	28.956	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading & unloading excavated							0.220	47.257	47.477	
	<b>Item No. 13 :-</b> (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			2.650			2.650	8.650	11.300	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							2.395			
	<b>Deduction of 200mm dia pipe</b>										
	pipe area	1.00		0.785	2.17	0.200	0.200	0.068			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.152			
								0.220			
								2.175	390.049	392.224	
	<b>GI13 TO GI13.1</b>										
	CH0.00	576.190	574.590	574.490			1.700				
	CH2.00	576.200	574.790	574.690			1.510	1.605			
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils. Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.670	1.100	1.105	0.814	198.099	198.913	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.670	1.100	0.345	0.254	128.218	128.473	
	(b) For Lift 1.5 to 3m	1			0.670	0.700	0.105	0.049	34.539	34.588	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.670	1.100	0.050	0.037	13.403	13.439	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc	1			1.170	0.700	0.100	0.082	28.956	29.038	
	<b>Item No. - 11</b> Transportation of earth Transportation charges including loading & unloading excavated							0.119	47.477	47.596	
	<b>Item No. 13 :-</b> (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			1.400			1.400	11.300	12.700	
	<b>Item No. 30 :-</b> Refilling the excavated										



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. 09 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main

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Ganesh colony(Ikon Hospital) 300mm-MB

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	<b>Total Excavation=</b>						1.155				
	<b>Deduction of 200mm dia pipe</b>										
	pipe area	1.00		0.785	1.170	0.200	0.200	0.037			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.082			
								0.119			
								<b>1.036</b>	392.224	393.260	
	<b>Net Qty = A - B</b>										
	<b>GI14 TO GI14.1</b>										
	CH0.00	576.390	574.680	574.580			1.810	1.715			
	CH1.10	576.400	574.880	574.780			1.620				
	Item No. : 11 Transportation of earth							0.000	47.596	47.596	
	Item No. 13 :- (b)Lowering & Laying	1			0.200			0.200	12.700	12.900	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							0.000			
	<b>Deduction of 200mm dia pipe</b>										
	pipe area	1.00		0.785	0.000	0.200	0.200	0.000			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.000			
								0.000			
	<b>Net Qty = A - B</b>							0.000	393.260	393.260	
	<b>GI14 TO GI14.2</b>										
	CH0.00	576.390	574.680	574.580			1.810	1.695			
	CH14.35	576.400	574.920	574.820			1.580				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth										
	(a) For Lift 0 to 1.5m	1			12.170	1.100	1.195	15.997	198.913	214.911	
	(b) For Lift 1.5 to 3m	1			12.170	0.700	0.000	0.000	55.708	55.708	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard										
	(a) For Lift 0 to 1.5m	1			12.170	1.100	0.255	3.414	128.473	131.886	
	(b) For Lift 1.5 to 3m	1			12.170	0.700	0.195	1.661	34.588	36.249	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock										
	(a) For Lift 0 to 1.5m	1			12.170	1.100	0.050	0.669	13.439	14.109	
	(b) For Lift 1.5 to 3m	1			12.170	0.700	0.000	0.000	9.735	9.735	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			12.970	0.700	0.100	0.908	29.038	29.946	
	Item No. : 11 Transportation of earth							1.315	47.596	48.911	
	Transportation charges including										
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			13.450			13.450	12.900	26.350	
	Item No.17 :-Extra Item Lowering & Laying RCC NP3 class pipe of 300mm Dia	1							182.500	182.500	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							21.742			
	<b>Deduction of 200mm dia pipe</b>										
	pipe area	1.00		0.785	12.970	0.200	0.200	0.407			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.908			
								1.315			
	<b>Net Qty = A - B</b>							20.427	393.260	413.687	
	Item No :-35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.150					0.150	





Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Saltin AH. 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. :-

Page No. :-

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Ganesh colony(Ikon Hospital) Chamber Measurement

**9th R A BILL MEASUREMENTS OF CHEMBERS GANESH COLONY(NEAR IKON HOSPITAL)**

Date	Particulars of work	DETAILS						Content of area	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - For 1.20 dia chamber (upto 2.0m depth)- 1.20+0.50+0.5+0.5=2.66m										
	Area for chember upto 2m=2.66*2.66=7.075m										
	<b>G11</b>										
	<b>CH0.00</b>	574.620	573.000	572.750			1.870				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.400	2.222	0.000	2.222	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.950	5.276	0.000	5.276	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.370	2.055	0.000	2.055	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	0.000	0.833	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.000	0.000	0.000	0.000	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading & unloading							2.936	0.000	2.936	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>10.386</b>			
	<b>Deduction</b>										
	Brick work	1.00			0.785	1.310	1.310	2.182			
	soling							0.000			
	PCC	1.00			0.785	1.960	1.960	0.754			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>2.936</b>			
					<b>Net Qty = A - B</b>			<b>7.449</b>	<b>0.000</b>	<b>7.449</b>	
	<b>G12</b>										
	<b>CH18.60</b>	574.860	573.050	572.800			2.060				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.400	2.222	2.222	4.443	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.050	5.832	5.276	11.108	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.360	1.999	2.055	4.054	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.050	0.278	0.833	1.111	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.200	1.111	0.000	1.111	





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Ganesh colony(Ikon Hospital) Chamber Measurement

Date	Particulars of work	DETAILS						Content of area	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.192		2.936	6.129
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>11.441</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.310	1.310	1.810	2.438			
	soling							0.000			
	PCC	1.00		0.785	1.960	1.960	0.250	0.754			
	Murum bedding							0.000			
	<b>Total (B)</b>							<b>3.192</b>			
				<b>Net Qty = A - B</b>				<b>8.249</b>		<b>7.449</b>	<b>15.698</b>
	<b>GI3</b>										
	<b>CH37.20</b>	574.990	573.100	572.850			2.140				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.400	2.222		4.443	6.665
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.050	5.832		11.108	16.939
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.440	2.444		4.054	6.498
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.050	0.278		1.111	1.388
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.200	1.111		1.111	2.222
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.300		6.129	9.429
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>11.885</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.310	1.310	1.890	2.546			
	soling							0.000			
	PCC	1.00		0.785	1.960	1.960	0.250	0.754			
	Murum bedding							0.000			
	<b>Total (B)</b>							<b>3.300</b>			
				<b>Net Qty = A - B</b>				<b>8.585</b>		<b>15.698</b>	<b>24.284</b>
	<b>GI4</b>										
	<b>CH53.30</b>	575.080	573.100	572.850			2.230				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.400	2.222		6.665	8.886
	Item No. 2 :- Excavation for										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.050	5.832		16.939	22.771
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.530	2.944		6.498	9.442



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Ganesh colony(Ikon Hospital) Chamber Measurement

Date	Particulars of work	DETAILS						Content of area	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.050	0.278		1.388	1.666
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.200	1.111		2.222	3.332
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading & unloading							3.421		9.429	12.850
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							12.385			
	<b>Deduction</b>										
	Brick work	1.00			0.785	1.310	1.310	1.980	2.667		
	soling								0.000		
	PCC	1.00			0.785	1.960	1.960	0.250	0.754		
	Murrum bedding								0.000		
	<b>Total (B)</b>							3.421			
					<b>Net Qty = A - B</b>				<b>8.964</b>	24.284	33.247
	<b>GI5</b>										
	<b>CH66.90</b>	575.180	573.100	572.850				2.330			
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.400	2.222		8.886	11.108
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.050	5.832		22.771	28.602
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.630	3.499		9.442	12.941
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.050	0.278		1.666	1.944
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.200	1.111		3.332	4.443
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading & unloading							3.556		12.850	16.406
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							12.941			
	<b>Deduction</b>										
	Brick work	1.00			0.785	1.310	1.310	2.080	2.802		
	soling								0.000		
	PCC	1.00			0.785	1.960	1.960	0.250	0.754		
	Murrum bedding								0.000		
	<b>Total (B)</b>							3.556			
					<b>Net Qty = A - B</b>				<b>9.385</b>	33.247	42.632
	<b>GI6</b>										
	<b>CH75.50</b>	575.180	573.190	572.940				2.240			
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.400	2.222		11.108	13.329



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Ganesh colony(Ikon Hospital) Chamber Measurement

Date	Particulars of work	DETAILS						Content of area	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.050	5.832		28.602	34.434
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.540	2.999		12.941	15.940
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.050	0.278		1.944	2.222
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.200	1.111		4.443	5.554
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading & unloading							3.435		16.406	19.840
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>12.441</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.310	1.310	1.990	2.681			
	soling							0.000			
	PCC	1.00		0.785	1.960	1.960	0.250	0.754			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>3.435</b>			
								<b>Net Qty = A - B</b>		<b>42.632</b>	<b>51.638</b>
	<b>GI7</b>										
	<b>CH87.85</b>	575.220	573.260	573.010			2.210				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.900	4.998		13.329	18.328
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.710	3.943		0.000	3.943
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.550	3.055		34.434	37.489
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.050	0.278		2.222	2.499
	<b>Item No. : 11</b> Transportation of earth Transportation charges							3.394		19.840	23.235
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>12.274</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.310	1.310	1.960	2.640			
	soling							0.000			
	PCC	1.00		0.785	1.960	1.960	0.250	0.754			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>3.394</b>			
								<b>Net Qty = A - B</b>		<b>51.638</b>	<b>60.518</b>
	<b>GI8</b>										
	<b>CH101.45</b>	575.300	573.300	573.050			2.250				









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Ganesh colony(Ikon Hospital) Chamber Measurement

Date	Particulars of work	DETAILS					Content of area	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	GI10										
	CH123.65	575.580	573.470	573.220			2.360				
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.300	7.220	28.325	35.545	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.860	4.776	12.996	17.772	
	Item No. 2 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	43.598	44.431	
	Item No. 4 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.050	0.278	3.055	3.332	
	Item No. : 11 Transportation of earth Transportation charges							3.596	30.306	33.903	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>13.107</b>			
	<b>Deduction</b>										
	Brick work	1.00			0.785	1.310	1.310	2.842			
	soling							0.000			
	PCC	1.00			0.785	1.960	1.960	0.754			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>3.596</b>			
								<b>9.511</b>	<b>79.161</b>	<b>88.671</b>	
	GI11										
	CH141.00	575.810	573.560	573.310			2.500				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.300	7.220	35.545	42.765	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	1.000	5.554	17.772	23.326	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	44.431	45.264	
	Item No. 4 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.050	0.278	3.332	3.610	
	Item No. : 11 Transportation of earth Transportation charges							3.785	33.903	37.688	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>13.885</b>			
	<b>Deduction</b>										
	Brick work	1.00			0.785	1.310	1.310	2.250	3.031		
	soling							0.000			
	PCC	1.00			0.785	1.960	1.960	0.250	0.754		
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>3.785</b>			
								<b>10.100</b>	<b>88.671</b>	<b>98.771</b>	
	GI12										
	CH158.35	575.870	573.810	573.560			2.310				





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Ganesh colony(Ikon Hospital) Chamber Measurement

Date	Particulars of work	DETAILS					Content of area	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
		Net Qty = A - B					7.365		108.072	115.437	
	<b>GI14</b>										
	<b>CH183.05</b>	576.390	574.680	574.430			1.960				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.300	7.220	57.205	64.425	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.460	2.555	29.769	32.324	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	46.930	47.763	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.050	0.278	4.165	4.443	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading & unloading							3.058	44.126	47.183	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							10.886			
	<b>Deduction</b>										
	Brick work	1.00			0.785	1.310	1.310	1.710	2.304		
	soling								0.000		
	PCC	1.00			0.785	1.960	1.960	0.250	0.754		
	Murrum bedding								0.000		
	<b>Total (B)</b>							3.058			
		Net Qty = A - B							7.828	115.437	123.265
	<b>GI15</b>										
	<b>CH197.90</b>	576.360	574.800	574.550			1.810				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.300	7.220	64.425	71.645	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.310	1.722	32.324	34.045	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	47.763	48.596	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.050	0.278	4.443	4.721	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading & unloading							2.855	47.183	50.039	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							10.053			
	<b>Deduction</b>										
	Brick work	1.00			0.785	1.310	1.310	1.560	2.102		
	soling								0.000		





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Ganesh colony(Ikon Hospital) Chamber Measurement

Date	Particulars of work	DETAILS						Content of area	Last measurement		Total Upto Date Quantity
		No		EX.L	L	B	D		Page	Quantity	
		GL	IL								
	PCC	1.00		0.785	1.960	1.960	0.250	0.754			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>2.855</b>			
		<b>Net Qty = A - B</b>								123.265	130.462
	<b>0.9m x 0.6m Size chamber up to 1.5 mt depth - 0.9+0.5+0.3+0.3=2m</b>										
	<b>Area for chamber up to 1.5m=0.6+0.5+0.3+0.3=1.7m</b>										
	<b>G16.1</b>										
	<b>CH3.25</b>	575.180	573.290	573.040			2.140				
	<b>Item No. 1 :- Excavation for</b>										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.900	3.060	71.645	74.705	
	(b) For Lift 1.5 to 3.0m	1			2.000	1.700	0.640	2.176	34.045	36.221	
	<b>Item No. 2 :- Excavation for foundation/pipe trenches in</b>										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.550	1.870	48.596	50.466	
	<b>Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.050	0.170	4.721	4.891	
	<b>Item No. : 11 Transportation of earth Transportation charges</b>							3.43	50.039	53.470	
	<b>Item No. 30 :- Refilling the excavated trenches ...</b>										
	<b>Total Excavation(A)=</b>							<b>7.276</b>			
	<b>Deduction</b>										
	Brick work	1.00		1	1.400	1.100	1.890	2.911			
	soling							0.000			
	PCC	1.00		1	1.600	1.300	0.250	0.520			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>3.431</b>			
		<b>Net Qty = A - B</b>								130.462	134.307
	<b>Excavation of Chamber - For 0.6m x 0.45m dia chamber up to 1.5 mt depth - 0.6+0.5+0.3+0.3=1.7m</b>										
	<b>Area for chamber up to 1.5m=0.45+0.5+0.3+0.3=1.55m</b>										
	<b>G12.1</b>										
	<b>CH7.20</b>	574.860	573.200	572.950			1.910				
	<b>Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.400	1.054	74.705	75.759	
	<b>Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	1.050	2.767	50.466	53.233	





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Ganesh colony(Ikon Hospital) Chamber Measurement

Date	Particulars of work	DETAILS						Content of area	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(b) For Lift 1.5 to 3.0m	1			1.700	1.550	0.210	0.553		15.940	16.493
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.050	0.132		4.891	5.023
	(b) For Lift 1.5 to 3.0m	1			1.700	1.550	0.200	0.527		5.554	6.081
	<b>Item No. : 11</b> Transportation of earth Transportation charges							2.11		53.470	55.578
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							5.033			
	<b>Deduction</b>										
	Brick work	1.00		1	1.100	0.950	1.660	1.735			
	soling							0.000			
	PCC	1.00		1	1.300	1.150	0.250	0.374			
	Murrum bedding							0.000			
	<b>Total (B)</b>							2.108			
	<b>Net Qty = A - B</b>							2.924		134.307	137.232
	<b>Excavation of Chamber - For 0.30m x 0.30m dia chamber up to 1.5 mt depth - 0.3+0.5+0.3+0.3=1.40m</b>										
	<b>Area for chember up to 1.5m=0.3+0.5+0.3+0.3=1.40m</b>										
	<b>GI12.1</b>										
	<b>CH3.40</b>	575.920	574.500	574.250			1.670				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.400	1.400	0.400	0.784		75.759	76.543
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.400	1.400	1.020	1.999		53.233	55.232
	(b) For Lift 1.5 to 3.0m	1			1.400	1.400	0.000	0.000		16.493	16.493
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.400	1.400	0.080	0.157		5.023	5.179
	(b) For Lift 1.5 to 3.0m	1			1.400	1.400	0.170	0.333		6.081	6.414
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.86		55.578	57.436
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							3.273			
	<b>Deduction</b>										
	Brick work	1.00		1	1.100	0.950	1.420	1.484			
	soling							0.000			
	PCC	1.00		1	1.300	1.150	0.250	0.374			
	Murrum bedding							0.000			



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Ganesh colony(Ikon Hospital) Chamber Measurement

Date	Particulars of work	DETAILS						Content of area	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	HL	EX.L							
	<b>Total (B)</b>						1.858				
		<b>Net Qty = A - B</b>						1.416		137.232	138.647
	<b>Excavation of Chamber - For 0.6m x 0.45m dia chamber up to 1.5 mt depth - 0.6+0.5+0.3+0.3=1.7m</b>										
	<b>Area for chamber up to 1.5m=0.45+0.5+0.3+0.3=1.55m</b>										
	<b>GI14.1</b>										
	<b>CH1.10</b>	576.400	574.880	574.630			1.770				
	<b>Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	1.270	3.346		76.543	79.889
	<b>Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.180	0.474		55.232	55.707
	(b) For Lift 1.5 to 3.0m	1			1.700	1.550	0.070	0.184		16.493	16.677
	<b>Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.050	0.132		5.179	5.311
	(b) For Lift 1.5 to 3.0m	1			1.700	1.550	0.200	0.527		6.414	6.941
	<b>Item No. : 11 Transportation of earth Transportation charges</b>							1.96		57.436	59.398
	<b>Item No. 30 :- Refilling the excavated trenches ...</b>										
	<b>Total Excavation(A)=</b>						4.664				
	<b>Deduction</b>										
	Brick work	1.00		1	1.100	0.950	1.520	1.588			
	soling							0.000			
	PCC	1.00		1	1.300	1.150	0.250	0.374			
	Murrum bedding							0.000			
	<b>Total (B)</b>						1.962				
		<b>Net Qty = A - B</b>						2.702		138.647	141.349
	<b>GI14.2</b>										
	<b>CH14.35</b>	576.400	574.920	574.670			1.730				
	<b>Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	1.230	3.241		79.889	83.130
	(b) For Lift 1.5 to 3.0m	1			1.700	1.550	0.000	0.000		36.221	36.221
	<b>Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.</b>										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.220	0.580		55.707	56.286
	(b) For Lift 1.5 to 3.0m	1			1.700	1.550	0.030	0.079		16.677	16.756



Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Naksharwadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No. 08 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main

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Ganesh colony(Ikon Hospital) Chamber Measurement

Date	Particulars of work	DETAILS						Content of area	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.050	0.132		5.311	5.443
	(b) For Lift 1.5 to 3.0m	1			1.700	1.550	0.200	0.527		6.941	7.468
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.92		59.398	61.318
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							4.559			
	<b>Deduction</b>										
	Brick work	1.00		1	1.100	0.950	1.480	1.547			
	soling							0.000			
	PCC	1.00		1	1.300	1.150	0.250	0.374			
	Murum bedding							0.000			
	<b>Total (B)</b>							1.920			
					<b>Net Qty = A - B</b>			2.638		141.349	143.987



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Ganesh colony(Ikon Hospital) CHAMBER  
**9th R A BILL MEASURMENTS CHAMBER DETAILS**

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 2.0 mtr For per 50 cm	Total Rebate Qty for 50 cm	
		No					
		GL	IL	DEPTH			
<b>A</b>	<b>Item No. 21 : Providing and constructing on sewer.BBM manhole 1.2 m dia at bottom and 0.5 m dia at top and up to a depth of 2.0 M etc., complete</b>						
	<b>GANESH COLONY (NEAR</b>						
1	GI1	574.620	573.000	1.620	2.000	-0.380	
2	GI2	574.860	573.050	1.810	2.000	-0.190	
3	GI3	574.990	573.100	1.890	2.000	-0.110	
4	GI4	575.080	573.100	1.980	2.000	-0.020	
5	GI5	575.180	573.100	2.080	2.000	0.080	
6	GI6	575.180	573.190	1.990	2.000	-0.010	
7	GI7	575.220	573.260	1.960	2.000	-0.040	
8	GI8	575.300	573.300	2.000	2.000	0.000	
9	GI9	575.510	573.380	2.130	2.000	0.130	
10	GI10	575.580	573.470	2.110	2.000	0.110	
11	GI11	575.810	573.560	2.250	2.000	0.250	
12	GI12	575.870	573.810	2.060	2.000	0.060	
13	GI13	576.190	574.590	1.600	2.000	-0.400	
14	GI14	576.390	574.680	1.710	2.000	-0.290	
15	GI15	576.360	574.800	1.560	2.000	-0.440	
	<b>TOTAL</b>					<b>-1.250</b>	<b>-2.500</b>
	<b>GANESH COLONY (NEAR</b>						
SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr For per 30 cm	Total Rebate Qty for 30 cm	
No							
GL	IL	DEPTH					
<b>B</b>	<b>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</b>						
1	GI6.1	575.180	573.290	1.890	1.5	0.390	1.300
	<b>Total</b>					<b>0.390</b>	<b>1.300</b>





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Ganesh colony(Ikon Hospital) BBM

**9th R A BILL MEASUREMENTS OF BBM TRENCH GANESH COLONY NEAR IKON HOSPITAL**

Date	Particulars of work	DETAILS			Content of arrears	Last measurement		Total Upto Date Quantity
		No	L	B		D	Page	
<b>A Cement Concrete Road work</b>								
	Extra Item :5(b) - Providing & Casting M15 Grade PCC for manhole etc complete.	1	17.000	1.500	0.100	2.550	0.000	2.550
<b>B Quantity for catchpit chamber</b>								
1	0.30 x 0.30m size MH, 0.100m thickness -01Nos. Depth = 1.67-0.15 = 1.52m.							
	Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.							
	(a) Long Wall	2	0.500	0.100	1.520	0.152	0.000	0.152
	(b) Short Wall	2	0.300	0.100	1.520	0.091	0.000	0.091
						0.243	0.000	0.243
	Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.							
	(a) Long Wall	2	0.300		1.520	0.912	0.000	0.912
	(b) Short Wall	2	0.300		1.520	0.912	0.000	0.912
						1.824	0.000	1.824
	Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.							
	(a) Long Wall	2	0.500		1.520	1.520	0.000	1.520
	(b) Short Wall	2	0.500		1.520	1.520	0.000	1.520
						3.040	0.000	3.040
	Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.							
	(a) Long Wall Internal	2	0.300	0.000	1.520	0.912	0.000	0.912
	(b) Short Wall Internal	2	0.300	0.000	1.520	0.912	0.000	0.912
	(c) Long Wall External	2	0.500	0.000	1.520	1.520	0.000	1.520
	(d) Short Wall External	2	0.500	0.000	1.520	1.520	0.000	1.520
						4.864	0.000	4.864
	Extra Item :5(b) - Providing & Casting M15 Grade PCC for manhole etc complete.							
	PCC	1	0.700	0.700	0.150	0.074	2.550	2.624
<b>C Quantity for catchpit chamber</b>								
Extra Item No. 4								
1	0.6x0.45m size MH, 0.100m thickness -03Nos. Average Depth = $\frac{(1.91+1.77+1.73)}{3} - \frac{(3 \times 0.15)}{3} = 1.65m.$							
	Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.							
	(a) Long Wall	6	0.800	0.100	1.650	0.792	0.000	0.792
	(b) Short Wall	6	0.450	0.100	1.650	0.446	0.000	0.446
						1.238	0.243	1.481



2 of 2

Ganesh colony(Ikon Hospital) BBM

	<b>Extra Item :4(b) - 12mm thk. Internal Plaster*for manhole etc complete.</b>							
	(a) Long Wall	6	0.600		1.650	5.940	0.000	5.940
	(b) Short Wall	6	0.450		1.650	4.455	0.000	4.455
						10.395	1.824	12.219
	<b>Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.</b>							
	(a) Long Wall	6	0.800		1.650	7.920	0.000	7.920
	(b) Short Wall	6	0.650		1.650	6.435	0.000	6.435
						14.355	3.040	17.395
	<b>Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.</b>							
	(a) Long Wall Internal	6	0.600	0.000	1.650	5.940	0.000	5.940
	(b) Short Wall Internal	6	0.450	0.000	1.650	4.455	0.000	4.455
	(c) Long Wall External	6	0.800	0.000	1.650	7.920	0.000	7.920
	(d) Short Wall External	6	0.650	0.000	1.650	6.435	0.000	6.435
						24.750	4.864	29.614
	<b>Extra Item :5(b) - Providing &amp; Casting M15 Grade PCC for manhole etc complete.</b>							
	PCC	3	1.000	0.850	0.150	0.383	2.624	3.006
<b>2</b>	<b>Manhole Covers</b>							
	<b>Extra Item No.9.8:- Providing &amp; Fixing SFRC manhole cover</b>							
	a) 0.6mx45m					3.000	0.000	3.000





