

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. :-

27

Page No. :-

Page 1 of 3

A Sewer 9th RA-400mm

**9th R A BILL MEASUREMENTS**

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	<b>A-Line-400mm Dia.</b>										
	<b>Width of Trench -</b> For Bottom Lift 0.00-1.50m- 0.4+0.15+0.15+0.5=1.2m										
	From Bottom Lift 1.50m-3.00m- 0.4+0.15+0.15+0.5+0.4=1.6m										
	From Bottom Lift 3.00m-4.50m- 0.4+0.15+0.15+0.5+0.4+0.4=2.0 m										
	<b>A86</b>										
27.06.2016	CH4558.35	584.150	581.455	581.255			2.89	2.940			
	CH4569.10	584.280	581.495	581.295			2.99				
	<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			9.15	1.600	0.600	8.784	0.000	8.784	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.15	1.600	0.300	4.392	0.000	4.392	
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			9.15	1.600	0.600	8.784	0.000	8.784	
	(b) For Lift 1.5m to 3.0m	1			9.15	1.200	1.000	10.980	0.000	10.980	
	<b>Item No. 5 :-</b> Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			9.15	1.200	0.440	4.831	0.000	4.831	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc	1			9.15	1.200	0.200	2.196	0.000	2.196	
	<b>Item No.17 (a) :-</b> Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			10.00			10.000	0.000	10.000	
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation = A</b>							37.771			
	<b>Deduction</b>										
	pipe area	1		0.785	9.15	0.550	0.550	2.17			
	soling							0.00			
	PCC							0.00			
	Murum bedding							2.20			
	<b>Total = B</b>							4.37			
					<b>Net Qty = A - B</b>			33.40	0.000	33.402	
07.07.2016	CH4569.10	584.280	581.495	581.295			2.99	2.975			
	CH4589.10	584.340	581.575	581.375			2.97				
	<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			20.00	1.600	0.600	19.200	8.784	27.984	



Stamp

**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. :-

28

Page No. :-

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

Page 2 of 3

A Sewer 9th RA-400mm

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	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			20.00	1.600	0.300	9.600		4.392	13.992
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			20.00	1.600	0.600	19.200		8.784	27.984
	(b) For Lift 1.5m to 3.0m	1			20.00	1.200	0.600	14.400		10.980	25.380
	<b>Item No. 5 :-</b> Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.00	1.200	0.875	21.000		4.831	25.831
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc	1			20.00	1.200	0.200	4.800		2.196	6.996
	<b>Item No.17 (a) :-</b> Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			20.00			20.000		10.000	30.000
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation = A</b>							83.400			
	<b>Deduction</b>										
	pipe area	1		0.785	20.00	0.550	0.550	4.75			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							4.80			
	<b>Total = B</b>							9.55			
	<b>Net Qty = A - B</b>							73.85		33.402	107.253
14.07.2016	<b>CH4589.10</b>	584.340	581.575	581.375				2.97			
	<b>CH4609.85</b>	584.430	581.655	581.455				2.98	2.970		
	<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			19.15	1.600	0.600	18.384		27.984	46.368
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			19.15	1.600	0.300	9.192		13.992	23.184
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			19.15	1.600	0.600	18.384		27.984	46.368
	(b) For Lift 1.5m to 3.0m	1			19.15	1.200	0.800	18.384		25.380	43.764
	<b>Item No. 5 :-</b> Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			19.15	1.200	0.670	15.397		25.831	41.228
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc	1			19.15	1.200	0.200	4.596		6.996	11.592
	<b>Item No.17 (a) :-</b> Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			20.00			20.000		30.000	50.000



*Stamp*





**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. :-

31

Page No. :-

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

Page 1 of 3

A Sewer 9th RA-RCC 1.5m MH

**9th R A BILL MEASUREMENTS**

**Sewer "A"**

M.B.	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 RCC 1.50m dia Manhole - 1.50+0.2+0.2+0.5+0.5=2.90m										
	Breadth for Manhole=2.90*2.90=8.41m										
4515/179	<b>A 81</b>	580.850	577.885	577.535			3.315				
	<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	8.410	0.800	5.281	0.000	5.281	
	<b>ITEM No. 5 :-</b> Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.700	4.621	0.000	4.621	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.500	9.903	0.000	9.903	
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.315	2.080	0.000	2.080	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							21.885			
	<b>Deduction</b>										
	Wall	1		0.785	1.900	1.900	2.965	8.402			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								9.931			
	<b>Net Qty = A - B</b>							11.954	12.915	24.869	
4515/181	<b>A 82</b>	581.330	578.755	578.405			2.925				
	<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	8.410	1.200	7.922	5.281	13.204	
	<b>ITEM No. 5 :-</b> Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.300	1.981	4.621	6.602	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.425	9.408	9.903	19.310	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							19.310			
	<b>Deduction</b>										
	Wall	1		0.785	1.900	1.900	2.575	7.297			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								8.826			
	<b>Net Qty = A - B</b>							10.484	24.869	35.354	
4515/183	<b>A 83</b>	582.195	579.510	579.160			3.035				
	<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	8.410	0.200	1.320	12.058	13.378	
	<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	8.410	0.500	3.301	0.000	3.301	



SP-84

**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

A Sewer 9th RA-RCC 1.5m MH

M.B.	Particulars of work	DETAILS						Content of arrears	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.				0.785	8.410	0.800	5.281		13.204	18.485
	(a) For Lift 0 to 1.5m	1			0.785	8.410	1.500	9.903		0.000	9.903
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.035	0.231		0.000	0.231
	(c) For Lift 3.0m to 4.5m	1									
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...							20.037			
	<b>Total Excavation=</b>										
	<b>Deduction</b>										
	Wall	1		0.785	1.900	1.900	2.685	7.609			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								9.138			
								10.899		35.354	46.253
	<b>Net Qty = A - B</b>										
4515/185	<b>A 84</b>	582.475	580.155	579.805			2.670				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.				0.785	8.410	0.300	1.981		0.000	1.981
	(a) For Lift 0 to 1.5m	1			0.785	8.410	1.200	7.922		13.378	21.300
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.				0.785	8.410	0.500	3.301		9.325	12.625
	(a) For Lift 0 to 1.5m	1									
	(b) For Lift 1.5m to 3.0m	1									
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.				0.785	8.410	0.670	4.423		0.000	4.423
	(b) For Lift 1.5m to 3.0m	1									
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...							17.627			
	<b>Total Excavation=</b>										
	<b>Deduction</b>										
	Wall	1		0.785	1.900	1.900	2.320	6.575			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								8.103			
								9.524		46.253	55.776
	<b>Net Qty = A - B</b>										
4515/190	<b>A 85</b>	583.485	580.580	580.230			3.255				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.				0.785	8.410	0.500	3.301		21.300	24.601
	(a) For Lift 0 to 1.5m	1									
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.				0.785	8.410	0.200	1.320		3.301	4.621
	(a) For Lift 0 to 1.5m	1									
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.				0.785	8.410	0.800	5.281		18.485	23.76
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.800	5.281		9.903	15.18
	(b) For Lift 1.5m to 3.0m	1									
	<b>ITEM No. 5 :-</b> Excavation for foundation / pipe trenches in laterite rock masses etc complete				0.785	8.410	0.700	4.621		19.310	23.93
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.255	1.683		2.080	3.76
	(c) For Lift 3.0m to 4.5m	1									



*Spant*

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. :-

33

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

Authority No. AMC/Ward B&C/UIDSSMT/2014/184 Date 01.07.2014

Page 3 of 3

A Sewer 9th RA-RCC 1.5m MH

M.B.	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 ...										
	<b>Total Excavation=</b>						<b>21.489</b>				
	<b>Deduction</b>										
	Wall	1		0.785	1.900	1.900	2.905		8.232		
	Raft	1		0.785	2.300	2.300	0.250		1.038		
	PCC	1		0.785	2.500	2.500	0.100		0.491		
							<b>9.761</b>				
							<b>11.728</b>				
								55.776		67.504	
	<b>A 86</b>	584.150	581.330	580.980			3.170				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.000		0.000	1.981	
	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	8.410	0.600		3.961	24.601	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.000		0.000	12.625	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.300		1.981	4.621	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.000		0.000	4.423	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.600		3.961	23.767	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.500		9.903	15.184	
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.170		1.122	0.231	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.000		0.000	6.602	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.000		0.000	23.932	
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.000		0.000	3.763	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>								<b>20.928</b>		
	<b>Deduction</b>										
	Wall	1		0.785	1.900	1.900	2.820		7.991		
	Raft	1		0.785	2.300	2.300	0.250		1.038		
	PCC	1		0.785	2.500	2.500	0.100		0.491		
							<b>9.520</b>				
							<b>11.408</b>				
								67.504		78.912	



Handwritten signature or initials.





**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. :-

35

Page No. :-

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

**Author**

Date of Measurement
1

A Sewer 9th RA-Quantity Note Abstract

9th RA BILL MEASUREMENTS

Main Sewer "A"

SR NO	Description	MDPG	ITEM 1		ITEM 2		ITEM 3		ITEM 4		ITEM 5		ITEM 7		ITEM 17		ITEM 22		ITEM 23		ITEM 23.1		ITEM 30		EIRL 1		EIRL 1.a		
			0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0	3.0-4.5	0-1.5	1.5-3.0	3-4.5	1.5-3.0	3-4.5	400mm	upto 5 m	Rebate	2-5	m	Rebate	Rebate	3.5m	Rebate	177.85	78.912	7,000	18,260	7,000	18,260
1	For Pipe		46.368		23.184				46.368	43.764	41.228			11.502	50.000														
2	For Manhole		26.562	12.625	6.002	4.423	1.981	27.728	25.087	1.353	6.602	3.763			8.000	5.980	(1,600)	2.00		2.00									
<b>Total</b>			<b>74.930</b>	<b>12.625</b>	<b>29.786</b>	<b>4.423</b>	<b>1.981</b>	<b>74.096</b>	<b>68.851</b>	<b>1.353</b>	<b>6.602</b>	<b>3.763</b>	<b>11.502</b>	<b>60.000</b>	<b>8.000</b>	<b>5.980</b>	<b>2.00</b>	<b>2.00</b>	<b>(1,600)</b>	<b>256.76</b>	<b>7,000</b>	<b>(1,600)</b>	<b>177.85</b>	<b>78.912</b>	<b>7,000</b>	<b>18,260</b>	<b>7,000</b>	<b>18,260</b>	

PMC

CLIENT



*(Signature)*  
Jr. Engineer

*(Signature)*  
B. K. Bardsani  
Sectional Engineer

*(Signature)*  
Ex. Engineer

Dy. Engineer

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

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

9th R A BILL MEASUREMENTS

Sewer at Bhausingpura

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE
		No	L	B	D	Page		Quantity		
		GL	IL	EX.L						
	<b>SW PIPE - 100 mm Dia</b>									
	Width of Trench - For Lift 0 to 1.50m- 0.1+0.015+0.015+0.5=0.63m									
	For Lift 1.5 to 3.00m- 0.1+0.015+0.015+0.5+0.4=1.03m									
	For Lift 3.0 to 4.5m- 0.1+0.015+0.015+0.5+0.4+0.4=1.43m									
	<b>BSP8 TO BSP8.1</b>									
	<b>CH0.00</b>	567.846	566.596	566.496		1.350				
	<b>CH6.00</b>	567.847	566.790	566.690		1.157	1.254			
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.									
	(a) For Lift 0 to 1.5m	1			4.00	0.630	0.100	0.252	0.000	0.252
	<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			4.00	0.630	0.604	1.522	0.000	1.522
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			4.00	0.630	0.550	1.386	0.000	1.386
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete (bedding)	1			4.60	0.630	0.100	0.290	0.000	0.290
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading & unloading							0.351	0.000	0.351
	<b>Extra Item no 9.2:-</b> Lowering & Laying of SW pipe of 100mm Dia	1			5.10			5.100	0.000	5.100
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...									
	<b>Total Excavation=</b>							3.160		
	<b>Deduction of 100mm dia pipe</b>									
	pipe area	1.00		0.785	4.60	0.130	0.130	0.06		
	soling							0.00		
	PCC							0.00		
	Murrum bedding							0.29		
								0.35		
	<b>Net Qty = A - B</b>							2.81	0.00	2.81
	<b>BSP13 TO BSP13.1</b>									
	<b>CH0.00</b>	568.696	567.007	566.907		1.789				
	<b>CH7.00</b>	568.698	567.400	567.300		1.398	1.594			
	<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			5.00	0.630	0.450	1.418	1.522	2.940
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			5.00	0.630	0.750	2.363	1.386	3.749
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			5.00	0.630	0.300	0.945	0.000	0.945



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W. K. Kulkarni

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) STD and Ward No. 98 to

Book No. :-

Page No. :-

37

2 of 2

Sewer At Bhausingpura. 100mm SW Pipe

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE	
		No			L	B	D		Page	Quantity		
		GL	IL	EX.L								
	(b) For Lift 1.5m to 3.0m	1			5.00	0.630	0.094	0.296		0.000	0.296	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.60	0.630	0.100	0.353		0.290	0.643	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.427		0.351	0.778	
	Extra Item no 9.2:- Lowering & Laying of SW pipe of 100mm Dia	1			6.10			6.100		5.100	11.200	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							5.021				
	Deduction of 100mm dia pipe											
	pipe area	1.00		0.785	5.60	0.130	0.130	0.07				
	soling							0.00				
	PCC							0.00				
	Murrum bedding							0.35				
								0.43				
								Net Qty = A - B		4.59	2.81	7.40
	BSP13 TO BSP13.2											
	CH0.00	568.696	567.007	566.907				1.789				
	CH2.00	568.699	567.450	567.350				1.349				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.											
	(a) For Lift 0 to 1.5m	1			1.00	0.630	0.000	0.000		0.252	0.252	
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			1.00	0.630	0.450	0.284		2.940	3.223	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			1.00	0.630	0.750	0.473		3.749	4.221	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			1.00	0.630	0.300	0.189		0.945	1.134	
	(b) For Lift 1.5m to 3.0m	1			1.00	0.630	0.069	0.043		0.296	0.340	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.60	0.630	0.100	0.101		0.643	0.743	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.122		0.778	0.900	
	Extra Item no 9.2:- Lowering & Laying of SW pipe of 100mm Dia	1			2.10			2.100		11.200	13.300	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							0.988				
	Deduction of 100mm dia pipe											
	pipe area	1.00		0.785	1.60	0.130	0.130	0.02				
	soling							0.00				
	PCC							0.00				
	Murrum bedding							0.10				
								0.12				
								Net Qty = A - B		0.87	7.40	8.27



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

**9th R A BILL MEASUREMENTS**  
**Branch Sewer at Bhausingpura**

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	HL	EX.L							
	<b>400mm Dia Branch Sewer</b>										
	<b>Width of Trench -</b>										
	For Bottom Lift 0.00-1.50m- 0.4+0.15+0.15+0.5=1.2m										
	From Bottom Lift 1.50m-3.00m- 0.4+0.15+0.15+0.5+0.4=1.6m										
	From Bottom Lift 3.00m-4.50m- 0.4+0.15+0.15+0.5+0.4+0.4=2.0m										
	<b>A40.0</b>										
18/03/2016	<b>CH0.00</b>	561.280	558.555	558.355			2.925	3.215			
	<b>CH16.20</b>	561.980	558.675	558.475			3.505				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			13.30	2.000	0.380	10.108	0.252	10.360	
	<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			13.30	2.000	1.120	29.792	3.223	33.015	
	(b) For Lift 1.5m to 3.0m	1			13.30	1.600	0.820	17.450	0.000	17.450	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			13.30	1.600	0.680	14.470	0.000	14.470	
	(c) For Lift 3.0m to 4.5m	1			13.30	1.200	0.215	3.431	0.000	3.431	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			13.30	1.200	0.200	3.192	0.743	3.935	
	<b>Item No. 11</b> Transportation of earth Transportation charges							6.350	0.900	7.250	
	<b>Item No.17 (a) :-</b> Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			15.00			15.000	0.000	15.000	
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							<b>75.251</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	13.30	0.550	0.550	3.16			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							3.19			
	<b>Total = B</b>							<b>6.35</b>			
								<b>Net Qty = A - B</b>	<b>68.90</b>	<b>8.270</b>	<b>77.171</b>
	<b>A40.1</b>										
	<b>CH16.20</b>	561.980	559.125	558.925			3.055	2.916			
	<b>CH54.90</b>	562.002	559.425	559.225			2.777				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			35.8	1.600	0.420	24.058	10.360	34.418	
	<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			35.80	1.600	1.080	61.862	33.015	94.877	
	(b) For Lift 1.5m to 3.0m	1			35.80	1.200	0.400	17.184	17.450	34.634	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										



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

Book No. :-

39

Page No. :-

2 of 8

Sewer At Bhausingpura. 400mm Dia

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	HL	EX.L							
	(b) For Lift 1.5m to 3.0m	1			35.80	1.200	0.650	27.924		14.470	42.394
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			35.80	1.200	0.366	15.723		0.340	16.063
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc	1			35.80	1.200	0.200	8.592		3.935	12.527
	<b>Item No. : 11</b> Transportation of earth Transportation charges							17.093		7.250	24.343
	<b>Item No.17 (a) :-</b> Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			37.50			37.500		15.000	52.500
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							146.751			
	<b>Deduction</b>										
	pipe area	1		0.785	35.80	0.550	0.550	8.50			
	soling							0.00			
	PCC							0.00			
	Murum bedding							8.59			
	<b>Total = B</b>							17.09			
								<b>Net Qty = A - B</b>		77.171	206.829
	<b>A40. 2</b>										
	<b>CH54.90</b>	562.002	559.825	559.625			2.377	2.326			
	<b>CH78.60</b>	562.200	560.125	559.925			2.275				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			20.80	1.600	0.250	8.320		34.418	42.738
	<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			20.80	1.600	0.780	25.958		94.877	120.836
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			20.80	1.600	0.470	15.642		4.221	19.863
	(b) For Lift 1.5m to 3.0m	1			20.80	1.200	0.510	12.730		42.394	55.124
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			20.80	1.200	0.316	7.887		16.063	23.950
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			20.80	1.200	0.200	4.992		12.527	17.519
	<b>Item No. : 11</b> Transportation of earth Transportation charges							9.931		24.343	34.275
	<b>Item No.17 (a) :-</b> Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			22.50			22.500		52.500	75.000
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							70.537			
	<b>Deduction</b>										
	pipe area	1		0.785	20.80	0.550	0.550	4.94			
	soling							0.00			
	PCC							0.00			
	Murum bedding							4.99			
	<b>Total = B</b>							9.93			
								<b>Net Qty = A - B</b>		206.829	267.435



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Book No. :- 40  
Page No. :- 40

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	CH78.60	562.200	560.525	560.325			1.875				
	CH97.30	562.510	560.835	560.635			1.875				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			15.80	1.600	0.350	8.848	42.738	51.586	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			15.80	1.600	0.680	17.190	120.836	138.026	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.80	1.600	0.380	9.606	19.863	29.469	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			15.80	1.600	0.090	2.275	1.134	3.409	
	(b) For Lift 1.5m to 3.0m	1			15.80	1.200	0.375	7.110	23.950	31.060	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			15.80	1.200	0.200	3.792	17.519	21.311	
	Item No. : 11 Transportation of earth Transportation charges							7.544	34.275	41.818	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			17.50			17.500	75.000	92.500	
	Item No 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							45.030			
	<b>Deduction</b>										
	pipe area	1		0.785	15.80	0.550	0.550	3.75			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							3.79			
	<b>Total = B</b>							7.54			
								<b>Net Qty = A - B</b>	37.49	267.435	304.921
	A40.3										
	CH97.30	562.510	560.835	560.635			1.875	1.860			
	CH117.50	562.625	560.980	560.780			1.845				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			17.30	1.600	0.280	7.750	51.586	59.336	
	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			17.30	1.600	0.580	16.054	138.026	154.081	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			17.30	1.600	0.640	17.715	29.469	47.184	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			17.30	1.200	0.360	7.474	31.060	38.534	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.30	1.200	0.200	4.152	21.311	25.463	
	Item No. : 11 Transportation of earth Transportation charges							8.260	41.818	50.079	



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Book No. :-

41

Page No. :-

4 of 8

Sewer At Bhausingpura. 400mm Dia

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	<b>Item No.17 (a)</b> :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			19.00			19.000		92.500	111.500
	<b>Item No 30</b> :- Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							<b>48.994</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	17.30	0.550	0.550	4.11			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							4.15			
	<b>Total = B</b>							<b>8.26</b>			
	<b>Net Qty = A - B</b>							<b>40.73</b>		<b>304.921</b>	<b>345.654</b>
	<b>A40. 4</b>										
	<b>CH117.50</b>	562.625	560.990	560.790			1.835	1.929			
	<b>CH133.70</b>	562.958	561.135	560.935			2.023				
	<b>Item No. 3</b> :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			13.30	1.600	0.550	11.704		59.336	71.040
	<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			13.30	1.600	0.620	13.194		154.081	167.274
	<b>Item No. 2</b> :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.30	1.600	0.330	7.022		47.184	54.207
	(b) For Lift 1.5m to 3.0m	1			13.30	1.200	0.050	0.798		55.124	55.922
	<b>Item No. 4</b> :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			13.30	1.600	0.000	0.000		3.409	3.409
	(b) For Lift 1.5m to 3.0m	1			13.30	1.200	0.379	6.049		38.534	44.583
	<b>Item No. 7</b> :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.30	1.200	0.200	3.192		25.463	28.655
	<b>Item No. : 11</b> Transportation of earth Transportation charges							6.350		50.079	56.429
	<b>Item No.17 (a)</b> :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			15.00			15.000		111.500	126.500
	<b>Item No 30</b> :- Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							<b>38.767</b>			
	<b>Deduction</b>										
	pipe area	1		0.785	13.30	0.550	0.550	3.16			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							3.19			
	<b>Total = B</b>							<b>6.35</b>			
	<b>Net Qty = A - B</b>							<b>32.42</b>		<b>345.654</b>	<b>378.071</b>
	<b>A40. 5</b>										
	<b>CH133.70</b>	562.958	561.435	561.235			1.723	1.872			
	<b>CH144.90</b>	563.380	561.560	561.360			2.020				
	<b>Item No. 3</b> :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			8.30	1.600	0.450	5.976		71.040	77.016



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

Book No. :- 42

Page No. :-

5 of 8

Sewer At Bhausingpura, 400mm Dia

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	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			8.30	1.600	0.250	3.320		54.207	57.527
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.30	1.600	0.800	10.624		3.409	14.033
	(b) For Lift 1.5m to 3.0m	1			8.30	1.200	0.372	3.705		44.583	48.288
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.30	1.200	0.200	1.992		28.655	30.647
	<b>Item No. 11</b> Transportation of earth Transportation charges							3.963		56.429	60.392
	<b>Item No.17 (a) :-</b> Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			10.00			10.000		126.500	136.500
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							23.625			
	<b>Deduction</b>										
	pipe area	1		0.785	8.30	0.550	0.550	1.97			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.99			
	<b>Total = B</b>							3.96			
								<b>Net Qty = A - B</b>			
	<b>A40. 6</b>							<b>19.66</b>		<b>378.071</b>	<b>397.733</b>
	<b>CH144.90</b>	563.380	561.860	561.660			1.720				
	<b>CH181.10</b>	563.695	562.010	561.810			1.885	1.803			
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			33.30	1.600	0.210	11.189		77.016	88.205
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			33.30	1.600	0.320	17.050		57.527	74.576
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			33.30	1.600	0.300	15.984		14.033	30.017
	<b>Item No. 5 :-</b> Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(a) For Lift 0m to 1.5m	1			33.30	1.600	0.670	35.698		0.000	35.698
	(b) For Lift 1.5m to 3.0m	1			33.30	1.200	0.303	12.108		0.000	12.108
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			33.30	1.200	0.200	7.992		30.647	38.639
	<b>Item No.17 (a) :-</b> Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			35.00			35.000		136.500	171.500
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							92.028			
	<b>Deduction</b>										
	pipe area	1		0.785	33.30	0.550	0.550	7.91			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							7.99			
	<b>Total = B</b>							15.90			



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

Book No. :-  
Page No. :- 43

6 of 8

Sewer At Bhausingpura 400mm Dia

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE	
		No							Page	Quantity		
		GL	IL	EX.L	L	B	D					
		Net Qty = A - B						76.13		397.733	473.862	
	A40.7											
	CH181.10	563.695	562.040	561.840			1.855	2.375				
	CH222.30	564.925	562.230	562.030			2.895					
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc											
	(a) For Lift 0 to 1.5m	1			38.30	1.600	0.450	27.576		167.274	194.850	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			38.30	1.600	0.420	25.738		30.017	55.755	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.											
	(a) For Lift 0m to 1.5m	1			38.30	1.600	0.630	38.606		35.698	74.304	
	(b) For Lift 1.5m to 3.0m	1			38.30	1.200	0.875	40.215		12.108	52.323	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			38.30	1.200	0.200	9.192		38.639	47.831	
	Item No. : 11 Transportation of earth Transportation charges							18.287		76.291	94.578	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			40.00			40.000		171.500	211.500	
	Item No 30 :- Refilling the excavated trenches ...											
	Total Excavation= A							132.135				
	Deduction											
	pipe area	1		0.785	38.30	0.550	0.550	9.09				
	soling							0.00				
	PCC							0.00				
	Murum bedding							9.19				
	Total = B							18.29				
								Net Qty = A - B		113.85	473.862	587.710
	A40.8											
	CH222.30	564.925	562.630	562.430			2.495	2.378				
	CH246.00	564.890	562.830	562.630			2.260					
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.											
	(a) For Lift 0 to 1.5m	1			20.80	1.600	0.350	11.648		88.205	99.853	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc											
	(a) For Lift 0 to 1.5m	1			20.80	1.600	0.520	17.306		194.850	212.156	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			20.80	1.600	0.550	18.304		55.755	74.059	
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.											
	(a) For Lift 0m to 1.5m	1			20.80	1.600	0.080	2.662		74.304	76.966	
	(b) For Lift 1.5m to 3.0m	1			20.80	1.200	0.877	21.890		52.323	74.213	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			20.80	1.200	0.200	4.992		47.831	52.823	
	Item No. : 11 Transportation of earth Transportation charges							9.931		94.578	104.509	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			22.50			22.500		211.500	234.000	



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**Name of work:-** Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of 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. :-

44

Page No. :-

7 of 8

Sewer At Bhausingpura, 400mm 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 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>						71.810				
	<b>Deduction</b>										
	pipe area	1		0.785	20.80	0.550	0.550	4.94			
	soling							0.00			
	PCC							0.00			
	Murum bedding							4.99			
	<b>Total = B</b>							9.93			
				<b>Net Qty = A - B</b>				<b>61.88</b>			
	<b>A40. 9</b>								587.710	649.588	
	CH246.00	564.890	562.880	562.680			2.210				
	CH307.20	565.260	562.940	562.740			2.520	2.365			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			58.30	1.600	0.350	32.648	99.853	132.501	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc										
	(a) For Lift 0 to 1.5m	1			58.30	1.600	0.464	43.282	212.156	255.438	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			58.30	1.600	0.686	63.990	74.576	138.566	
	(b) For Lift 1.5m to 3.0m	1			58.30	1.200	0.114	7.975	55.922	63.897	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete										
	(b) For Lift 1.5m to 3.0m	1			58.30	1.200	0.751	52.540	48.288	100.828	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			58.30	1.200	0.200	13.992	52.823	66.815	
	Item No. : 11 Transportation of earth Transportation charges							27.836	104.509	132.345	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			60.00			60.000	234.000	294.000	
	Item No 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							200.435			
	<b>Deduction</b>										
	pipe area	1		0.785	58.30	0.550	0.550	13.84			
	soling							0.00			
	PCC							0.00			
	Murum bedding							13.99			
	<b>Total = B</b>							27.84			
				<b>Net Qty = A - B</b>				<b>172.60</b>		649.588	822.188
	<b>A40. 10</b>										
	CH307.20	565.260	563.000	562.800			2.460				
	CH353.40	565.460	563.210	563.010			2.450	2.455			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			43.30	1.600	0.550	38.104	132.501	170.605	
	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			43.30	1.600	0.300	20.784	255.438	276.222	
	(b) For Lift 1.5m to 3.0m	1			43.30	1.200	0.000	0.000	34.634	34.634	



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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 CDDM also line from Caltwad SPS to Nakshirawadi (Kanchanwadi) STD and Ward No. 08 to

Book No. :-  
Page No. :-

45

8 of 8

Sewer At Bhausingpura, 400mm Dia

Date	Particulars of work	DETAILS					Content of area	Last measurment		TOTAL TO DATE	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			43.30	1.600	0.650	45.032		138.566	183.598
	(b) For Lift 1.5m to 3.0m	1			43.30	1.200	0.170	8.833		63.897	72.731
	(c) For Lift 3.0m to 4.5m	1			43.30	1.200	0.000	0.000		3.431	3.431
	<b>Item No. 4:-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			43.30	1.600	0.000	0.000		74.059	74.059
	(b) For Lift 1.5m to 3.0m	1			43.30	1.200	0.785	40.789		100.828	141.616
	<b>Item No. 5 :-</b> Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(a) For Lift 0m to 1.5m	1			43.30	1.600	0.000	0.000		76.966	76.966
	(b) For Lift 1.5m to 3.0m	1			43.30	1.200	0.000	0.000		74.213	74.213
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)	1			43.30	1.200	0.200	10.392		66.815	77.207
	<b>Item No. : 11</b> Transportation of earth Transportation charges							20.674		132.345	153.019
	<b>Item No.17 (a) :-</b> Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			45.00			45.000		294.000	339.000
	<b>Item No 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation= A</b>							153.542			
	<b>Deduction</b>										
	pipe area	1		0.785	43.30	0.550	0.550	10.28			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							10.39			
	<b>Total = B</b>							20.67			
	<b>Net Qty = A - B</b>							132.87		822.188	955.055



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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. :- 46  
Page No. :-

1 of 4

Sewer At Bhausingpura. 1.5m MH Excavation

**9th RA BILL MEASUREMENTS**  
**Branch Sewer at Bhausingpura**

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 1.50m dia Manhole (upto a depth of 2.0m to 5.0m)- 1.50+0.35+0.35+0.5+0.5=3.20m Breadth for Manhole=3.2*3.2=10.24m 400mm RCC -at bhausingpura BSP 9 CH 159.60	567.846	566.666	566.416			1.430				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete. (a) For Lift 0 to 1.5m	1			0.785	10.240	0.350	2.813	0.000	2.813	
	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	10.240	0.780	6.270	0.000	6.270	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			0.785	10.240	0.300	2.412	0.000	2.412	
	Item No. : 11 Transportation of earth Transportation charges							4.812	0.000	4.812	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							11.495			
	<b>Deduction</b>										
	Brick work	1			0.785	2.280	2.280	0.590	2.408		
		1			0.785	1.540	1.540	0.590	1.098		
	PCC	1			0.785	2.580	2.580	0.250	1.306		
	Soling	1			0.785	2.580	2.580	0.000	0.000		
								4.812			
	<b>Net Qty = A - B</b>							6.683	0.000	6.683	
	BSP 10 CH 178.30	568.086	566.716	566.466			1.620				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete. (a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206	2.813	4.019	
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. (a) For Lift 0 to 1.5m (b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.800	6.431	6.270	12.701	
		1			0.785	10.240	0.120	0.965	0.000	0.965	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft (a) For Lift 0 to 1.5m	1			0.785	10.240	0.300	2.412	0.000	2.412	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete (a) For Lift 0 to 1.5m	1			0.785	10.240	0.250	2.010	0.000	2.010	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							13.022			
	<b>Deduction</b>										
	Brick work	1			0.785	2.280	2.280	0.685	2.795		



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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), Banowadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banowadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main

Book No. :-

Page No. :-

47

2 of 4

Sewer At Bhausingpura. 1.5m 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							
		1		0.785	1.540	1.540	0.685	1.275			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								5.377			
				Net Qty = A - B				7.645		6.683	14.328
	<b>BSP 11</b>										
	CH 189.50	568.136	566.856	566.606			1.530				
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.600	4.823		2.412	7.235
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.350	2.813		2.412	5.225
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.550	4.421		2.010	6.431
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.030	0.241		0.000	0.241
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							12.299			
	<b>Deduction</b>										
	Brick work	1		0.785	2.280	2.280	0.640	2.612			
		1		0.785	1.540	1.540	0.640	1.191			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								5.109			
				Net Qty = A - B				7.189		14.328	21.517
	<b>BSP 12</b>										
	CH 200.70	568.216	566.991	566.741			1.475				
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.370	2.974		7.235	10.209
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.540	4.341		5.225	9.566
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.565	4.542		6.431	10.972
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							11.857			
	<b>Deduction</b>										
	Brick work	1		0.785	2.280	2.280	0.613	2.499			
		1		0.785	1.540	1.540	0.613	1.140			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								4.946			
				Net Qty = A - B				6.911		21.517	28.428
	<b>BSP 13</b>										
	CH 224.40	568.696	567.007	566.757			1.939				
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.790	6.350		10.209	16.559



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Book No. :-

Page No. :-

3 of 4

Sewer At Bhausingpura. 1.5m 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							
	<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	10.240	0.710	5.707	9.566	15.273	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.220	1.768	0.000	1.768	
	<b>ITEM No. 5 :-</b> Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.219	1.760	0.241	2.001	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>						15.586				
	<b>Deduction</b>										
	Brick work	1		0.785	2.280	2.280	0.845	3.446			
		1		0.785	1.540	1.540	0.845	1.572			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
							6.325				
	<b>Net Qty = A - B</b>						9.262	28.428	37.689		
	Excavation of Chamber - For 0.9m x 0.6m dia chamber up to 1.5 mt depth -0.9+0.5+0.3+0.3=2m Bredth for chamber up to 1.5m=0.6+0.5+0.3+0.3=1.7m										
	<b>BSP8.1</b>										
	<b>CH6.00</b>	567.847	566.790	566.540			1.307				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.100	0.340	4.019	4.359	
	<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			2.000	1.700	0.604	2.054	12.701	14.754	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.603	2.050	16.559	18.609	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>						4.444				
	<b>Deduction</b>										
	Brick work	1.00		1	1.40	1.10	1.057	1.63			
	soling							0.00			
	PCC	1.00		1	1.60	1.30	0.25	0.52			
	Murrum bedding							0.00			
	<b>Total (B)</b>						2.15				
	<b>Net Qty = A - B</b>						2.30	37.69	39.99		
	<b>BSP13.1</b>										
	<b>CH7.00</b>	568.698	567.400	567.150			1.548				
	<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			2.000	1.700	0.450	1.530	14.754	16.284	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.750	2.550	18.609	21.159	



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

Book No. :-

Page No. :-

49

4 of 4

Sewer At Bhausingpura. 1.5m MH Excavation

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.300	1.020	15.273	16.293
	(b) For Lift 1.5m to 3.0m	1			2.000	1.700	0.048	0.163	1.768	1.932
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...									
	<b>Total Excavation(A)=</b>							5.263		
	<b>Deduction</b>									
	Brick work	1.00		1	1.40	1.10	1.298	2.00		
	soling							0.00		
	PCC	1.00		1	1.60	1.30	0.25	0.52		
	Murum bedding							0.00		
	<b>Total (B)</b>							2.52		
					<b>Net Qty = A - B</b>			2.74	39.99	42.73
	<b>BSP13.2</b>									
	<b>CH2.00</b>	568.699	567.450	567.200			1.499			
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.									
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.000	0.000	4.359	4.359
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.									
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.450	1.530	16.284	17.814
	(b) For Lift 1.5 to 3.0m	1			2.000	1.700	0.000	0.000	0.965	0.965
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.									
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.750	2.550	21.159	23.709
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.299	1.017	16.293	17.310
	(b) For Lift 1.5m to 3.0m	1			2.000	1.700	0.000	0.000	1.932	1.932
	<b>ITEM No. 5 :-</b> Excavation for foundation / pipe trenches in laterite rock masses etc complete									
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.000	0.000	10.972	10.972
	(b) For Lift 1.5m to 3.0m	1			2.000	1.700	0.000	0.000	2.002	2.002
	<b>Item No. : 11</b> Transportation of earth Transportation charges							2.44	31.236	33.680
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...									
	<b>Total Excavation(A)=</b>							5.097		
	<b>Deduction</b>									
	Brick work	1.00		1	1.40	1.10	1.249	1.92		
	soling							0.00		
	PCC	1.00		1	1.60	1.30	0.25	0.52		
	Murum bedding							0.00		
	<b>Total (B)</b>							2.44		
					<b>Net Qty = A - B</b>			2.65	42.73	45.38



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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. :-

Page No. :-

1 of 6

Sewer At Bhausingpura, RCC 1.5m MH Bhausingpura

**9th R A BILL MEASUREMENTS**

**Sewer at Bhausingpura**

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	<b>Excavation of Chamber -</b> For RCC 1.50m dia Manhole - 1.50+0.2+0.2+0.5+0.5=2.90m Breadth for Manhole=2.90*2.90=8.41m										
	<b>A40. 1</b>	561.980	558.675	558.325			3.655	400mm Bhausingpura("A" Branch)			
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.420	2.773		4.359	7.132
	<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	8.410	1.080	7.130		17.814	24.944
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.400	2.641		0.965	3.605
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.650	4.291		0.000	4.291
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.450	2.971		1.932	4.902
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.655	4.324		0.000	4.324
	<b>Item No. : 11</b> Transportation of earth Transportation charges							10.895		33.680	44.574
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=-</b>							24.130			
	<b>Deduction</b>										
	Wall	1		0.785	1.900	1.900	3.305	9.366			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								10.895			
								<b>Net Qty = A - B</b>		45.383	58.618
	<b>A40. 2</b>	562.002	559.425	559.075			2.927				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.250	1.650		7.132	8.782
	<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	8.410	0.780	5.149		24.944	30.094
	<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	8.410	0.470	3.103		23.709	26.812
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.510	3.367		4.291	7.658
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.917	6.054		4.902	10.956
	<b>Item No. : 11</b> Transportation of earth Transportation charges							8.832		44.574	53.406
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=-</b>							19.324			



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

Book No. :-

Page No. :-

51

2 of 6

Sewer At Bhausingpura. RCC 1.5m MH Bhausingpura

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	<b>Deduction</b>										
	Wall	1		0.785	1.900	1.900	2.577	7.303			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								8.832			
		<b>Net Qty = A - B</b>							10.492	58.618	
	<b>A40.3</b>	562.510	560.835	560.485			2.025				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.280	1.849	8.782		
	<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	8.410	0.580	3.829	30.094		
	<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	8.410	0.640	4.225	26.812		
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.525	3.466	10.956		
	<b>Item No. : 11</b> Transportation of earth Transportation charges							6.275	53.406		
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							13.369			
	<b>Deduction</b>										
	Wall	1		0.785	1.900	1.900	1.675	4.747			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								6.275			
		<b>Net Qty = A - B</b>							7.093	69.110	
	<b>A40.4</b>	562.625	560.980	560.630			1.995		76.203		
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.550	3.631	10.631		
	<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	8.410	0.620	4.093	33.923		
	<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	8.410	0.330	2.179	31.037		
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.050	0.330	7.658		
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.445	2.938	14.422		
	<b>Item No. : 11</b> Transportation of earth Transportation charges							6.190	59.681		
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							13.171			
	<b>Deduction</b>										
	Wall	1		0.785	1.900	1.900	1.645	4.662			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			



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Book No. :-  
Page No. :-

3 of 6

Sewer At Bhausingpura. RCC 1.5m MH Bhausingpura

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	HL	EX.L							
							6.190				
		Net Qty = A - B						6.980		76.203	83.183
	A40.5	562.958	561.135	560.785			2.173				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.450	2.971		14.262	17.233
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.250	1.650		33.216	34.866
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.800	5.281		17.310	22.591
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.673	4.443		17.360	21.803
	Item No. : 11 Transportation of earth Transportation charges							6.695		65.872	72.567
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							14.346			
	Deduction										
	Wall	1			0.785	1.900	1.900	1.823	5.166		
	Raft	1			0.785	2.300	2.300	0.250	1.038		
	PCC	1			0.785	2.500	2.500	0.100	0.491		
								6.695			
		Net Qty = A - B						7.651		83.183	90.834
	A40.6	563.380	561.560	561.210			2.170				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.210	1.386		17.233	18.619
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.320	2.113		34.866	36.979
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.300	1.981		22.591	24.572
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.670	4.423		10.972	15.396
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.670	4.423		2.002	6.425
	Item No. : 11 Transportation of earth Transportation charges							6.686		72.567	79.253
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							14.326			
	Deduction										
	Wall	1			0.785	1.900	1.900	1.820	5.158		
	Raft	1			0.785	2.300	2.300	0.250	1.038		
	PCC	1			0.785	2.500	2.500	0.100	0.491		
								6.686			
		Net Qty = A - B						7.640		90.834	98.474
	A40.7	563.695	562.010	561.660			2.035				
	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	8.410	0.450	2.971		38.016	40.987



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

Book No. :-

Page No. :-

53

4 of 6

Sewer At Bhausingpura. RCC 1.5m MH Bhausingpura

Date	Particulars of work	DETAILS						Content of arrears	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	8.410	0.420	2.773		24.572	27.344
	<b>ITEM No. 5 :-</b> Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.630	4.159		15.396	19.555
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.535	3.532		6.425	9.957
	<b>Item No. : 11</b> Transportation of earth Transportation charges							6.304		79.253	85.557
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							13.435			
	<b>Deduction</b>										
	Wall	1			0.785	1.900	1.900	1.685	4.775		
	Raft	1			0.785	2.300	2.300	0.250	1.038		
	PCC	1			0.785	2.500	2.500	0.100	0.491		
								6.304			
								<b>Net Qty = A - B</b>	7.131	98.474	105.605
	<b>A40. 8</b>	564.925	562.230	561.880			3.045				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.350	2.311		18.619	20.930
	<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	8.410	0.520	3.433		40.987	44.420
	<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	8.410	0.550	3.631		27.344	30.975
	<b>ITEM No. 5 :-</b> Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.080	0.528		19.555	20.083
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.500	9.903		9.957	19.860
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.045	0.297		0.000	0.297
	<b>Item No. : 11</b> Transportation of earth Transportation charges							9.166		85.557	94.723
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							20.103			
	<b>Deduction</b>										
	Wall	1			0.785	1.900	1.900	2.695	7.637		
	Raft	1			0.785	2.300	2.300	0.250	1.038		
	PCC	1			0.785	2.500	2.500	0.100	0.491		
								9.166			
								<b>Net Qty = A - B</b>	10.937	105.605	116.542
	<b>A40. 9</b>	564.890	562.830	562.480			2.410				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.350	2.311		20.930	23.240
	<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	8.410	0.464	3.063		44.420	47.483



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

Book No. :-

Page No. :-

54

5 of 6

Sewer At Bhausingpura. RCC 1.5m MH Bhausingpura

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	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	8.410	0.686	4.529	36.979	41.508	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.114	0.753	7.988	8.741	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.796	5.255	21.803	27.058	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							7.367	94.723	102.090	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							15.910			
	<b>Deduction</b>										
	Wall	1		0.785	1.900	1.900	2.060	5.838			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								7.367			
	<b>Net Qty = A - B</b>							8.544	116.542	125.085	
	<b>A40. 10</b>	565.260	562.940	562.590			2.670				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.550	3.631	23.240	26.872	
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.300	1.981	47.483	49.464	
	<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	8.410	0.650	4.291	41.508	45.799	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.170	1.122	8.741	9.863	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.000	6.602	27.058	33.660	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							8.103	102.090	110.193	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							17.627			
	<b>Deduction</b>										
	Wall	1		0.785	1.900	1.900	2.320	6.575			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								8.103			
	<b>Net Qty = A - B</b>							9.524	125.085	134.609	
	<b>A40. 11</b>	565.460	563.210	562.860			2.600				
	<b>Item No. 3 :-</b> Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.550	3.631	26.872	30.503	
	<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	8.410	0.300	1.981	49.464	51.444	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.000	0.000	3.605	3.605	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										



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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 Anandnagar City.

Book No. :- 55

Page No. :-

Sewer At Bhausingpura. RCC 1.5m MH Bhausingpura

6 of 6

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.650	4.291		45.799	50.090
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.170	1.122		9.863	10.985
	<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	8.410	0.000	0.000		30.975	30.975
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.930	6.140		33.660	39.800
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.000	0.000		4.324	4.324
	<b>ITEM No. 5</b> :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.000	0.000		20.083	20.083
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.000	0.000		19.860	19.860
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.000	0.000		0.297	0.297
	<b>Item No. : 11</b> Transportation of earth Transportation charges							7.905		110.193	118.098
	<b>Item No. 30</b> :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							17.165			
	<b>Deduction</b>										
	Wall	1			0.785	1.900	1.900	2.250	6.376		
	Raft	1			0.785	2.300	2.300	0.250	1.038		
	PCC	1			0.785	2.500	2.500	0.100	0.491		
								7.905			
	<b>Net Qty = A - B</b>							9.260		134.609	143.869



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

Book No. :- 56  
Page No. :-

1 of 1

Sewer At Bhausingpura. Manhole detail

**9th R A BILL MEASUREMENTS CHEMBER DETAILS**  
**Branch Sewer at Bhausingpura**

SR NO	MB no	Chainage	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 5.0 mtr	Total Rebate Qty for 50 cm
				No				
				MTL	IL	DEPTH	For per 50 cm	
A	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 5.0 M etc., complete							
<b>BHAUSINGPURA</b>								
1		CH159.60	BSP 9	569.666	566.666	3.000	5.000	-2.00
2		CH178.30	BSP 10	569.616	566.716	2.900	5.000	-2.10
3		CH189.50	BSP 11	569.801	566.856	2.945	5.000	-2.05
4		CH200.70	BSP 12	569.891	566.991	2.900	5.000	-2.10
5		CH224.40	BSP 13	570.041	567.007	3.034	5.000	-1.97
<b>TOTAL</b>								-10.22
								-20.44

Bhausing pura(Branch Line) (0.9mx0.6m size)								
SR NO	MB no	Chainage	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	
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							
1		CH6.00	BSP8.1	567.847	566.790	1.057	1.5	-0.443
2		CH7.00	BSP13.1	568.698	567.400	1.298	1.5	-0.202
3		CH2.00	BSP13.2	568.699	567.450	1.249	1.5	-0.251
<b>Total</b>								-0.896
								-2.987

BHAUSINGPURA (A Branch Start From A40 MH)									
Extra Item No. 1: Construction of RCC circular Manhole of 1.5m dia & 3.5m depth									
Sr.No.	Referenc e (MB no. & Page no.)	Chainage	MH No	MTL	IL	Depth	Depth Difference than 3.5 m	Total Difference	Rebate/Ad d for Excess height (per 50 cm)
1		CH16.20	A40. 1	562.875	558.675	4.20	0.70		
2		CH54.90	A40. 2	563.675	559.425	4.25	0.75		
3		CH97.30	A40. 3	565.185	560.835	4.35	0.85		
4		CH117.50	A40. 4	565.230	560.980	4.25	0.75		
5		CH133.70	A40. 5	565.435	561.135	4.30	0.80		
6		CH144.90	A40. 6	565.860	561.560	4.30	0.80	8.20	16.40
7		CH181.10	A40. 7	566.210	562.010	4.20	0.70		
8		CH222.30	A40. 8	566.480	562.230	4.25	0.75		
9		CH246.00	A40. 9	567.180	562.830	4.35	0.85		
10		CH307.20	A40. 10	567.190	562.940	4.25	0.75		
11		CH353.40	A40. 11	567.210	563.210	4.00	0.50		
									16.40



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Book No. :-

57

Page No. :-

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

**Authority No.** AMC/Ward B&C/UHSSMT/2014/184 Date 01.07.2014

1 of 1

Sewer At Bhausingpura. Sewer At Bhausingpura.

**9th R A BILL MEASUREMENTS**  
**Sewer "Bhausingpura" - Dewatering**

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
<b>Bhausingpura-400mm</b>							
	03/03/2016	5	1	9:15	11:30	2:15	11:15:00
		5	1	12:15	13:15	1:00	5:00:00
		5	1	14:30	15:45	1:15	6:15:00
		5	1	16:30	17:30	1:00	5:00:00
	04/03/2016	5	1	9:15	10:45	1:30	7:30:00
		5	1	11:15	12:45	1:30	7:30:00
		5	1	14:15	15:30	1:15	6:15:00
		5	1	16:15	17:30	1:15	6:15:00
	05/03/2016	5	1	9:00	11:15	2:15	11:15:00
		5	1	12:00	13:00	1:00	5:00:00
		5	1	14:15	15:45	1:30	7:30:00
		5	1	16:30	17:15	0:45	3:45:00
	08/03/2016	5	1	9:30	11:30	2:00	10:00:00
		5	1	12:30	13:45	1:15	6:15:00
		5	1	14:30	17:30	3:00	15:00:00
	09/03/2016	5	1	9:00	10:45	1:45	8:45:00
		5	1	11:30	12:45	1:15	6:15:00
		5	1	14:15	15:45	1:30	7:30:00
		5	1	16:15	17:30	1:15	6:15:00
	10/03/2016	5	1	10:00	12:00	2:00	10:00:00
		5	1	15:30	17:15	1:45	8:45:00
<b>Total</b>						<b>32:15:00</b>	<b>161:15:00</b>
							<b>161.250</b>



**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/L from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for

Book No. :- 58  
Page No. :-

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1

1 of 2

Sewer At Bhausingpura Quantity Node Abstract

**9th R A BILL MEASUREMENTS**

Branch Of Sewer "A" At Bhausingpura

SR NO	Description	MB/PG	ITEM 1		ITEM 2		ITEM 3		ITEM 4			ITEM 5		ITEM 7	ITEM 10
			0-1.5	1.5-3.0	0-1.5	1.5-3.0	3.0-4.5	0-1.5	1.5-3.0	3.0-4.5	0-1.5	1.5-3.0	3-4.5		
1	For Pipe		276.222	34.634	183.598	72.731	3.431	170.605	74.059	141.616	76.966	74.213		77.207	161.250
2	For Manhole		51.444	3.605	50.090	10.985		30.503	30.975	39.800	30.975	19.860	0.297		
	<b>Total</b>		327.666	38.239	233.689	83.716	3.431	201.107	105.034	181.416	107.942	94.072	0.297	77.207	161.250

CONTRACTOR  
Kritish Infra Pvt. Ltd.  
Navi Mumbai  
Authorized Signatory

Project Engineer

Project Manager

PMC

CLIENT

Jr. Engineer

Ex. Engineer

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



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

No. :- 57

No. :-

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

Authority No. AMC/Ward B&C/UIDSSMT/2014/184 Date 01.07.2014

Sewer At Bhausingpura - Quantity Node-Abstract

9th R A BILL MEASUREMENTS

Branch Of Sewer "A" At Bhausingpura

SR NO	Description	MB/PG	ITEM 11	ITEM 17 400mm	ITEM 23 2-5 m	ITEM 23.1 Rebate	ITEM 30	EIRL 1 3.5m	EIRL 1.a Rebate	EIRL3 Full Rate	EIRL 3.a Rebate	EIRL 9.1 100mm	EIRL 9.2 100mm
1	For Pipe		153.019	339.000			955.06					13.300	13.300
2	For Manhole		118.098		5.00	(20.442)	143.869	11.000	16.400	3.000	(2.987)		
	<b>Total</b>		<b>271.117</b>	<b>339.000</b>	<b>5.00</b>	<b>(20.442)</b>	<b>1,098.92</b>	<b>11.000</b>	<b>16.400</b>	<b>3.000</b>	<b>(2.987)</b>	<b>13.300</b>	<b>13.300</b>

CONTRACTOR  
M/s Khilari Infra Pvt.Ltd.  
Mumbai  
Authorized Signatory

Project Engineer  
Fortress Infrastructure Advisory Services Ltd.  
Division of Fortress Financial Services Ltd.  
PMC

Project Manager  
Fortress Infrastructure Advisory Services Ltd.  
Division of Fortress Financial Services Ltd.

Jr. Engineer

Dy. Engineer

Ex. Engineer

CLIENT

Last surement	Quantity	Total up to Date