



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :- **003**
Page No. :-

11th R A BILL MEASUREMENTS Sewer "C"

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
C-1600mm Dia & At Box Drain Near Sidharth Garden							
1	19/09/2016	10	1	9:30	12:00	2:30	25:00:00
		10	1	15:00	17:00	2:00	20:00:00
		10	1	17:30	18:30	1:00	10:00:00
2	20/09/2016	10	1	10:30	12:30	2:00	20:00:00
		10	1	14:00	17:30	3:30	35:00:00
3	21/09/2016	10	1	8:30	10:30	2:00	20:00:00
		10	1	12:00	14:40	2:40	26:40:00
		10	1	15:20	17:00	1:40	16:40:00
4	22/09/2016	10	1	10:00	12:30	2:30	25:00:00
		10	1	14:00	16:00	2:00	20:00:00
		10	1	16:30	17:00	0:30	5:00:00
5	23/09/2016	10	1	8:00	11:30	3:30	35:00:00
		10	1	12:30	14:00	1:30	15:00:00
		10	1	16:30	17:00	0:30	5:00:00
6	26/09/2016	10	1	8:00	12:30	4:30	45:00:00
		10	1	13:00	14:30	1:30	15:00:00
7	27/09/2016	10	1	8:30	12:00	3:30	35:00:00
		10	1	13:00	14:30	1:30	15:00:00
		10	1	16:30	17:00	0:30	5:00:00
8	28/09/2016	10	1	9:00	11:30	2:30	25:00:00
		10	1	12:00	13:30	1:30	15:00:00
		10	1	15:30	17:00	1:30	15:00:00
9	29/09/2016	10	1	9:30	11:30	2:00	20:00:00
		10	1	12:00	14:00	2:00	20:00:00
		10	1	15:00	17:30	2:30	25:00:00
10	30/09/2016	10	1	9:30	12:00	2:30	25:00:00
		10	1	12:30	14:30	2:00	20:00:00
		10	1	16:00	18:00	2:00	20:00:00
11	01/10/2016	10	1	10:00	13:00	3:00	30:00:00
		10	1	14:00	15:40	1:40	16:40:00
		10	1	17:00	18:00	1:00	10:00:00
12	03/10/2016	10	1	9:00	11:30	2:30	25:00:00
		10	1	12:00	13:30	1:30	15:00:00
		10	1	17:00	18:30	1:30	15:00:00
13	04/10/2016	10	1	8:00	11:30	3:30	35:00:00
		10	1	14:00	16:30	2:30	25:00:00
		10	1	17:00	17:30	0:30	5:00:00



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AURANGABAD MUNICIPAL CORPORATION

(From No.52)

Measurement Book

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

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Page No. :-

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
14	05/10/2016	10	1	8:00	10:40	2:40	26:40:00
		10	1	11:00	14:20	3:20	33:20:00
		10	1	17:00	18:00	1:00	10:00:00
15	07/10/2016	10	1	9:00	11:30	2:30	25:00:00
		10	1	12:30	13:30	1:00	10:00:00
		10	1	16:00	18:30	2:30	25:00:00
16	08/10/2016	10	1	10:00	13:30	3:30	35:00:00
		10	1	17:00	18:30	1:30	15:00:00
	C-1200mm Dia.						
1	21/10/2016	10	1	7:30	10:30	3:00	30:00:00
		10	1	11:00	13:00	2:00	20:00:00
		10	1	14:00	15:00	1:00	10:00:00
2	22/10/2016	10	1	8:00	10:00	2:00	20:00:00
		10	1	11:00	13:00	2:00	20:00:00
3	24/10/2016	10	1	8:00	10:00	2:00	20:00:00
		10	1	11:00	13:00	2:00	20:00:00
		10	1	14:00	15:00	1:00	10:00:00
4	25/10/2016	10	1	7:00	9:00	2:00	20:00:00
		10	1	10:00	12:00	2:00	20:00:00
		10	1	13:00	14:00	1:00	10:00:00
5	26/10/2016	10	1	8:00	10:00	2:00	20:00:00
		10	1	11:00	13:00	2:00	20:00:00
		10	1	14:00	15:00	1:00	10:00:00
6	27/10/2016	10	1	7:00	9:00	2:00	20:00:00
		10	1	10:00	12:00	2:00	20:00:00
		10	1	13:00	14:00	1:00	10:00:00
7	28/10/2016	10	1	7:00	10:00	3:00	30:00:00
		10	1	12:00	14:00	2:00	20:00:00
		10	1	15:00	16:00	1:00	10:00:00
8	31/10/2016	10	1	8:00	10:00	2:00	20:00:00
		10	1	11:00	13:00	2:00	20:00:00
9	01/11/2016	10	1	8:00	10:00	2:00	20:00:00
		10	1	11:00	13:00	2:00	20:00:00
		10	1	14:00	15:00	1:00	10:00:00
10	02/11/2016	10	1	7:00	9:00	2:00	20:00:00
		10	1	10:00	11:00	1:00	10:00:00
		10	1	12:00	14:00	2:00	20:00:00
11	03/11/2016	10	1	8:00	10:00	2:00	20:00:00
		10	1	11:00	13:00	2:00	20:00:00
		10	1	14:00	16:00	2:00	20:00:00



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :- 005

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11th C Main Sewer1-Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
12	04/11/2016	10	1	9:20	12:20	3:00	30:00:00
		10	1	14:10	17:10	3:00	30:00:00
13	05/11/2016	10	1	9:05	12:05	3:00	30:00:00
		10	1	14:15	17:15	3:00	30:00:00
14	07/11/2016	10	1	9:15	12:20	3:05	30:50:00
		10	1	14:15	17:15	3:00	30:00:00
15	08/11/2016	10	1	8:45	12:45	4:00	40:00:00
		10	1	14:00	16:00	2:00	20:00:00
C-1000mm Dia.							
1	02/05/2016	15	1	9:15	13:15	4:00	60:00:00
		15	1	14:20	17:20	3:00	45:00:00
2	03/05/2016	15	1	9:30	13:30	4:00	60:00:00
		15	1	14:30	16:30	2:00	30:00:00
3	04/05/2016	15	1	9:10	12:10	3:00	45:00:00
		15	1	14:30	17:30	3:00	45:00:00
4	05/05/2016	15	1	9:15	12:30	3:15	48:45:00
		15	1	14:20	17:20	3:00	45:00:00
5	06/05/2016	15	1	9:15	12:20	3:05	46:15:00
		15	1	14:00	17:00	3:00	45:00:00
6	07/05/2016	15	1	9:20	12:20	3:00	45:00:00
		15	1	14:30	17:30	3:00	45:00:00
7	09/05/2016	15	1	8:45	11:45	3:00	45:00:00
		15	1	13:50	16:50	3:00	45:00:00
8	10/05/2016	15	1	10:20	13:20	3:00	45:00:00
		15	1	14:10	17:10	3:00	45:00:00
9	11/05/2016	15	1	9:15	12:15	3:00	45:00:00
		15	1	14:45	17:45	3:00	45:00:00
10	12/05/2016	15	1	9:20	12:20	3:00	45:00:00
		15	1	14:15	16:20	2:05	31:15:00
11	13/05/2016	15	1	9:30	12:30	3:00	45:00:00
		15	1	14:40	17:40	3:00	45:00:00
12	14/05/2016	15	1	9:20	12:20	3:00	45:00:00
		15	1	14:10	17:10	3:00	45:00:00
13	16/05/2016	15	1	9:05	12:05	3:00	45:00:00
		15	1	14:15	17:15	3:00	45:00:00
14	17/05/2016	15	1	9:15	12:20	3:05	46:15:00
		15	1	14:15	17:15	3:00	45:00:00
15	18/05/2016	15	1	8:45	12:45	4:00	60:00:00
		15	1	14:00	16:00	2:00	30:00:00
16	19/05/2016	15	1	9:20	12:20	3:00	45:00:00



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :-

006

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11th C Main Sewer1-Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		15	1	14:30	17:30	3:00	45:00:00
17	20/05/2016	15	1	8:40	12:40	4:00	60:00:00
		15	1	14:20	16:20	2:00	30:00:00
18	21/05/2016	15	1	8:45	11:45	3:00	45:00:00
		15	1	13:50	16:50	3:00	45:00:00
19	23/05/2016	15	1	8:30	11:30	3:00	45:00:00
		15	1	13:50	16:50	3:00	45:00:00
20	24/05/2016	15	1	8:15	11:20	3:05	46:15:00
		15	1	14:30	17:20	2:50	42:30:00
21	25/05/2016	15	1	8:30	11:30	3:00	45:00:00
		15	1	14:00	17:00	3:00	45:00:00
22	26/05/2016	15	1	9:20	12:20	3:00	45:00:00
		15	1	14:30	17:30	3:00	45:00:00
23	27/05/2016	15	1	8:45	12:45	4:00	60:00:00
		15	1	14:15	16:15	2:00	30:00:00
24	28/05/2016	15	1	9:20	12:20	3:00	45:00:00
		15	1	14:50	17:50	3:00	45:00:00
25	30/05/2016	15	1	9:15	12:15	3:00	45:00:00
		15	1	14:20	16:20	2:00	30:00:00
26	01/06/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	11:00	13:00	2:00	30:00:00
		15	1	14:00	15:00	1:00	15:00:00
27	02/06/2016	15	1	8:30	10:30	2:00	30:00:00
		15	1	11:15	13:15	2:00	30:00:00
		15	1	14:00	15:30	1:30	22:30:00
28	03/06/2016	15	1	8:30	9:30	1:00	15:00:00
		15	1	11:00	13:00	2:00	30:00:00
		15	1	14:00	15:00	1:00	15:00:00
29	04/06/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	11:00	13:00	2:00	30:00:00
		15	1	14:00	15:00	1:00	15:00:00
30	06/06/2016	15	1	8:30	10:30	2:00	30:00:00
		15	1	11:15	13:15	2:00	30:00:00
		15	1	14:30	15:30	1:00	15:00:00
31	07/06/2016	15	1	8:00	10:00	2:00	30:00:00
		15	1	11:00	13:00	2:00	30:00:00
32	10/06/2016	15	1	8:00	9:00	1:00	15:00:00
		15	1	10:30	11:30	1:00	15:00:00
		15	1	15:00	16:00	1:00	15:00:00
33	11/06/2016	15	1	8:00	9:00	1:00	15:00:00



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main C-700mm Dia. from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Book No. :- 007
Page No. :-

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11th C Main Sewer1-Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		15	1	10:30	11:30	1:00	15:00:00
		15	1	15:00	16:00	1:00	15:00:00
34	12/06/2016	15	1	8:00	9:00	1:00	15:00:00
		15	1	10:30	11:30	1:00	15:00:00
		15	1	15:00	16:00	1:00	15:00:00
35	13/06/2016	15	1	8:00	9:00	1:00	15:00:00
		15	1	10:30	11:30	1:00	15:00:00
		15	1	15:00	16:00	1:00	15:00:00
36	14/06/2016	15	1	8:00	9:00	1:00	15:00:00
		15	1	10:30	11:30	1:00	15:00:00
		15	1	15:00	16:00	1:00	15:00:00
37	15/06/2016	15	1	8:00	9:00	1:00	15:00:00
		15	1	10:00	11:30	1:30	22:30:00
		15	1	15:00	16:00	1:00	15:00:00
C-700mm Dia.-Times Colony							
1	31/05/2016	15	1	9:30	10:30	1:00	15:00:00
		15	1	12:00	14:00	2:00	30:00:00
2	01/06/2016	15	1	10:30	11:30	1:00	15:00:00
		15	1	12:00	14:30	2:30	37:30:00
3	02/06/2016	15	1	12:30	14:30	2:00	30:00:00
		15	1	15:00	16:30	1:30	22:30:00
4	03/06/2016	15	1	11:30	13:30	2:00	30:00:00
		15	1	15:00	17:30	2:30	37:30:00
5	04/06/2016	15	1	9:30	11:30	2:00	30:00:00
		15	1	13:15	14:15	1:00	15:00:00
		15	1	15:00	16:00	1:00	15:00:00
6	06/06/2016	15	1	10:30	12:30	2:00	30:00:00
		15	1	14:15	15:15	1:00	15:00:00
		15	1	16:00	18:00	2:00	30:00:00
7	07/06/2016	15	1	12:15	14:15	2:00	30:00:00
		15	1	15:30	16:30	1:00	15:00:00
		15	1	17:00	18:30	1:30	22:30:00
8	08/06/2016	15	1	9:30	11:30	2:00	30:00:00
		15	1	12:15	13:15	1:00	15:00:00
		15	1	14:30	16:30	2:00	30:00:00
9	09/06/2016	15	1	11:15	13:15	2:00	30:00:00
		15	1	14:00	15:30	1:30	22:30:00
		15	1	16:30	18:00	1:30	22:30:00
C-600mm Dia.-Times Colony							
1	24/05/2016	15	1	12:00	13:30	1:30	22:30:00



Signature



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Book No. :-

008

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11th C Main Sewer1-Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		15	1	15:30	16:30	1:00	15:00:00
2	25/05/2016	15	1	11:30	12:30	1:00	15:00:00
		15	1	13:00	14:00	1:00	15:00:00
		15	1	15:30	16:30	1:00	15:00:00
3	26/05/2016	15	1	10:15	11:15	1:00	15:00:00
		15	1	13:30	14:30	1:00	15:00:00
		15	1	15:00	15:30	0:30	7:30:00
4	27/05/2016	15	1	10:30	11:30	1:00	15:00:00
		15	1	13:00	15:00	2:00	30:00:00
		15	1	16:30	17:00	0:30	7:30:00
5	28/05/2016	15	1	8:30	11:30	3:00	45:00:00
		15	1	12:15	14:15	2:00	30:00:00
		15	1	15:00	18:00	3:00	45:00:00
6	29/05/2016	15	1	10:00	13:15	3:15	48:45:00
		15	1	14:30	16:30	2:00	30:00:00
		15	1	17:00	18:00	1:00	15:00:00
7	31/05/2016	15	1	9:30	10:30	1:00	15:00:00
		15	1	12:00	14:00	2:00	30:00:00
8	01/06/2016	15	1	10:30	11:30	1:00	15:00:00
		15	1	12:00	14:30	2:30	37:30:00
9	02/06/2016	15	1	12:30	14:30	2:00	30:00:00
		15	1	15:00	16:30	1:30	22:30:00
10	10/06/2016	15	1	10:00	12:00	2:00	30:00:00
		15	1	14:20	15:20	1:00	15:00:00
		15	1	16:00	17:05	1:05	16:15:00
11	11/06/2016	15	1	12:30	13:30	1:00	15:00:00
		15	1	15:15	17:15	2:00	30:00:00
		15	1	17:30	18:30	1:00	15:00:00
12	13/06/2016	15	1	9:00	11:00	2:00	30:00:00
		15	1	12:15	14:15	2:00	30:00:00
		15	1	15:30	17:30	2:00	30:00:00
13	15/06/2016	15	1	10:30	12:30	2:00	30:00:00
		15	1	14:15	15:15	1:00	15:00:00
		15	1	17:00	18:05	1:05	16:15:00
14	16/06/2016	15	1	11:30	13:30	2:00	30:00:00
		15	1	15:00	17:30	2:30	37:30:00
		15	1	18:00	18:30	0:30	7:30:00
15	17/06/2016	15	1	10:30	12:30	2:00	30:00:00
		15	1	13:15	15:15	2:00	30:00:00
		15	1	16:00	18:00	2:00	30:00:00



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

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19th C Main Sewer1-Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
16	20/06/2016	15	1	9:00	11:15	2:15	33:45:00
		15	1	12:30	14:30	2:00	30:00:00
		15	1	15:00	17:30	2:30	37:30:00
17	21/06/2016	15	1	11:30	13:30	2:00	30:00:00
		15	1	14:00	16:00	2:00	30:00:00
		15	1	16:30	18:30	2:00	30:00:00
18	27/06/2016	15	1	8:30	10:30	2:00	30:00:00
		15	1	11:00	13:15	2:15	33:45:00
		15	1	14:30	16:30	2:00	30:00:00
19	28/06/2016	15	1	9:30	11:30	2:00	30:00:00
		15	1	12:15	14:15	2:00	30:00:00
		15	1	15:00	17:15	2:15	33:45:00
20	29/06/2016	15	1	10:15	12:15	2:00	30:00:00
		15	1	13:00	15:20	2:20	35:00:00
		15	1	16:00	18:15	2:15	33:45:00
21	30/06/2016	15	1	11:00	13:30	2:30	37:30:00
		15	1	14:00	16:05	2:05	31:15:00
		15	1	16:30	18:30	2:00	30:00:00
22	07/07/2016	15	1	9:00	11:30	2:30	37:30:00
		15	1	12:00	14:10	2:10	32:30:00
		15	1	15:00	16:00	1:00	15:00:00
23	08/07/2016	15	1	8:30	10:40	2:10	32:30:00
		15	1	12:00	15:05	3:05	46:15:00
		15	1	16:00	17:00	1:00	15:00:00
24	09/07/2016	15	1	10:15	12:15	2:00	30:00:00
		15	1	14:00	16:30	2:30	37:30:00
		15	1	17:00	18:15	1:15	18:45:00
25	13/07/2016	15	1	9:30	12:30	3:00	45:00:00
		15	1	13:15	15:15	2:00	30:00:00
		15	1	16:00	18:15	2:15	33:45:00
26	14/07/2016	15	1	11:15	13:15	2:00	30:00:00
		15	1	14:30	15:45	1:15	18:45:00
		15	1	16:00	18:15	2:15	33:45:00
27	15/07/2016	15	1	8:20	10:30	2:10	32:30:00
		15	1	11:15	14:15	3:00	45:00:00
		15	1	15:30	17:45	2:15	33:45:00
28	16/07/2016	15	1	8:30	10:45	2:15	33:45:00
		15	1	11:15	13:15	2:00	30:00:00
		15	1	14:00	16:10	2:10	32:30:00
29	17/07/2016	15	1	10:15	12:20	2:05	31:15:00



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshirawadi (Kanehanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main G.P.D.F pipe line from Gabandi SDS to Mahadgaonadi (Kanehanwadi) STD and Ward No. 98.

Book No. :-

013

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11th C Main Sewer1-Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		15	1	13:00	15:30	2:30	37:30:00
		15	1	16:05	17:00	0:55	13:45:00
30	18/07/2016	15	1	9:00	11:30	2:30	37:30:00
		15	1	12:15	14:20	2:05	31:15:00
		15	1	15:30	17:30	2:00	30:00:00
31	19/07/2016	15	1	11:15	14:15	3:00	45:00:00
		15	1	15:00	17:20	2:20	35:00:00
		15	1	18:00	18:30	0:30	7:30:00
32	20/07/2016	15	1	10:00	12:15	2:15	33:45:00
		15	1	13:20	14:20	1:00	15:00:00
		15	1	15:00	18:05	3:05	46:15:00
33	21/07/2016	15	1	9:30	12:30	3:00	45:00:00
		15	1	13:00	15:15	2:15	33:45:00
		15	1	16:15	17:15	1:00	15:00:00
34	22/07/2016	15	1	10:15	12:20	2:05	31:15:00
		15	1	13:00	15:30	2:30	37:30:00
		15	1	16:05	17:00	0:55	13:45:00
35	23/07/2016	15	1	9:00	11:30	2:30	37:30:00
		15	1	12:15	14:20	2:05	31:15:00
		15	1	15:30	17:30	2:00	30:00:00
36	24/07/2016	15	1	12:00	14:00	2:00	30:00:00
		15	1	14:30	16:30	2:00	30:00:00
		15	1	17:05	18:10	1:05	16:15:00
37	25/07/2016	15	1	11:15	14:15	3:00	45:00:00
		15	1	15:00	17:20	2:20	35:00:00
		15	1	18:00	18:40	0:40	10:00:00
38	26/07/2016	15	1	8:00	11:30	3:30	52:30:00
		15	1	12:15	14:15	2:00	30:00:00
		15	1	16:30	17:30	1:00	15:00:00
39	27/07/2016	15	1	9:30	12:30	3:00	45:00:00
		15	1	13:00	15:15	2:15	33:45:00
		15	1	16:15	17:15	1:00	15:00:00
40	28/07/2016	15	1	11:15	14:15	3:00	45:00:00
		15	1	15:00	17:20	2:20	35:00:00
		15	1	18:00	18:30	0:30	7:30:00
41	29/07/2016	15	1	9:30	12:30	3:00	45:00:00
		15	1	13:15	15:15	2:00	30:00:00
		15	1	15:00	16:30	1:30	22:30:00
42	30/07/2016	15	1	10:15	13:00	2:45	41:15:00
		15	1	14:30	16:30	2:00	30:00:00



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

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11th C Main Sewer1-Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		15	1	17:00	18:00	1:00	15:00:00
43	31/07/2016	15	1	8:30	11:20	2:50	42:30:00
		15	1	12:00	15:30	3:30	52:30:00
		15	1	16:00	17:00	1:00	15:00:00
44	01/08/2016	15	1	11:00	14:00	3:00	45:00:00
		15	1	15:30	17:30	2:00	30:00:00
		15	1	18:00	18:30	0:30	7:30:00
45	02/08/2016	15	1	8:00	11:00	3:00	45:00:00
		15	1	12:30	14:30	2:00	30:00:00
		15	1	15:15	16:15	1:00	15:00:00
46	03/08/2016	15	1	12:00	14:30	2:30	37:30:00
		15	1	15:00	17:30	2:30	37:30:00
		15	1	18:00	18:30	0:30	7:30:00
47	04/08/2016	15	1	10:15	13:00	2:45	41:15:00
		15	1	14:30	16:30	2:00	30:00:00
		15	1	17:00	18:00	1:00	15:00:00
48	05/08/2016	15	1	8:00	11:00	3:00	45:00:00
		15	1	12:30	14:30	2:00	30:00:00
		15	1	15:15	16:15	1:00	15:00:00
49	06/08/2016	15	1	9:30	12:30	3:00	45:00:00
		15	1	13:15	15:15	2:00	30:00:00
		15	1	15:00	16:30	1:30	22:30:00
50	07/08/2016	15	1	11:00	14:00	3:00	45:00:00
		15	1	15:30	17:30	2:00	30:00:00
		15	1	18:00	18:30	0:30	7:30:00
51	08/08/2016	15	1	12:00	14:30	2:30	37:30:00
		15	1	15:00	17:30	2:30	37:30:00
		15	1	18:00	18:30	0:30	7:30:00
52	09/08/2016	15	1	10:15	13:00	2:45	41:15:00
		15	1	14:30	16:30	2:00	30:00:00
		15	1	17:00	18:00	1:00	15:00:00
53	10/08/2016	15	1	8:30	11:20	2:50	42:30:00
		15	1	12:00	15:30	3:30	52:30:00
		15	1	17:00	18:00	1:00	15:00:00
Sub Total						706:45:00	9733:20:00
							9733.330



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

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11th C Main Sewer1-Disposal qty

11th RA BILL MEASUREMENTS

Sewer "C"

Item No. 11								
Disposal of excavated material including loading the excavated material in trucks / tractors and unloading the same at a distance of 10 KMS as directed by engineer-in-charge.								
SR.NO.	Particulars of work	DETAILS						
		UNIT	NO	L	B	D	QTY	Total Qty. Of Disposal
1	1000mm Dia							
	Pipe volume	Cum	0.785	1485.00	1.230	1.230	1763.63	2345.75
	Murrum bedding	Cum		1485.00	1.960	0.200	582.12	
2	800mm Dia							
	Pipe volume	Cum	0.785	240.00	0.990	0.990	184.65	265.29
	Murrum bedding	Cum		240.00	1.680	0.200	80.64	
3	700mm Dia							
	Pipe volume	Cum	0.785	470.00	0.870	0.870	279.26	424.02
	Murrum bedding	Cum		470.00	1.540	0.200	144.76	
4	600mm Dia							
	Pipe volume	Cum	0.785	900.00	0.770	0.770	418.88	678.08
	Murrum bedding	Cum		900.00	1.440	0.200	259.20	
Total								3713.14



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :- **013**
Page No. :-

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11th C Main Sewer Work

11th R A BILL MEASUREMENTS

Sewer "C"

Sr. No.	Descriptions of Items	Nos	L	B	D	Unit	Qty	Last Measurement	Total Qty.
04/07/2016	C-1000mm Dia at Champa Chowk Rahat Colony Site								
1	Extra Item No. 5 a) :- Providing Rubble solling in 15 to 20cm thk layer	1	4.200	3.700	0.300	Cum	4.662	0.000	4.662
2	Extra Item No. 5 b) :- Providing and casting M15 Grade concrete	1	4.200	3.700	0.200	Cum	3.108	0.000	3.108
3	Extra Item No. 5 c) :- Construction of UCR Masonry work in 1:6 CM	1	13.600	0.400	1.170	Cum	6.365	0.000	6.365
11/11/2016	C-1200mm Dia at Kabra Garden near Manhole C 23								
1	Extra Item no.:-4. a) Costruction of Brick work	1	3.000	0.230	2.300	Cum	1.587	0.000	1.587
2	Extra Item no.:-4. c) Plaster for Brick work to Both side	2	3.000		2.300	Sqm	13.800	0.000	13.800
3	Extra Item No. 5 b) :- Providing and casting M15 Grade concrete								
	Copling	1	3.000	0.700	0.100	Cum	0.210	3.108	3.318
4	Extra Item No. 5 c) :- Construction of UCR Masonry work in 1:6 CM	1	3.000	0.700	2.300	Cum	4.830	6.365	11.195
		1	3.000	0.400	1.200	Cum	1.440	11.195	12.635
	MZ Road Nala Work-Near Dhanlakshmi Beuty Shop								
1	Extra Item No. 5 c) :- Construction of UCR Masonry work in 1:6 CM	1	2.500	0.500	0.500	Cum	0.625	12.635	13.260
		1	2.400	0.500	0.230	Cum	0.276	13.260	13.536
		1	2.500	0.500	2.300	Cum	2.875	13.536	16.411
		1	5.000	0.450	0.300	Cum	0.675	16.411	17.086



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :- **015**
Page No. :-

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

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

1 of 1

1st C Main Sewer1, Box Drain 1.5 m - Qty Details

10th R A BILL MEASUREMENTS

Sewer "C"

Box Drain for 37.50 mtr length of 1.5 m X 1.5 m Near Sidharth Garden

Date	Particulars of work		DETAILS				Content of arrears	Last measurement		Total Upto Date Quantity
			No	L	B	D		Page	Quantity	
A	Item No:6									
	Providing and laying in situ Cement Concrete of trap/granite /quartzite/gneiss metal for RCC work in									
	(a) Raft	Cum	1	37.500	2.300	0.200	17.250		0.000	17.250
	(b) Wall	Cum	2	37.500	0.200	1.500	22.500		17.250	39.750
	(c) Cover Slab	Cum	1	37.500	1.900	0.150	10.688		39.750	50.438
B	Item No. : 28 STEEL REINFORCEMENT Providing and fixing in position steel bar reinforcement of various diameters for RCC piles caps ,footing foundations, slabs, beams, columns ,canopies, staircases, newels ,chajjas lintels, pardies, copings ,fins arches ,etc. as per detailed designs, drawings and schedules including cutting bending ,hooking the bars, binding with wires or tack welding and supporting as required etc. complete. (including cost of binding wire)	MT					3.349		0.00	3.349
C	Extra Item :5(b) - Providing & Casting M15 Grade PCC for manhole etc complete.									
		Cum	1	37.500	2.500	0.100	9.375		0.000	9.375



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28.07.2014



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

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11th C Main Sewer1, MANHOLE

11th R A BILL MEASUREMENTS

Sewer "C"

ITEM No: 22 Providing and constructing on sewer, R.C.C circular manhole 2.2 m dia and up to a depth of 5 M of Reinforced								
Sr.No.	MH No	Chainage	MTL	IL	Depth	Depth Difference than 5 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1	C 16/17	CH1118.00/1106.80	559.070	553.970	5.100	0.100	3.45	6.90
2	C 22	1422.800	560.370	555.170	5.200	0.200		
3	C 22A	1539.000	560.530	555.330	5.200	0.200		
4	C 23	1627.700	560.950	555.650	5.300	0.300		
5	C 43	3031.900	566.670	561.220	5.450	0.450		
6	C 46	3260.800	568.190	562.390	5.800	0.800		
7	C 47	3367.800	568.380	562.580	5.800	0.800		
8	C 48	3419.800	567.920	562.720	5.200	0.200		
9	C 49	3459.300	568.300	563.100	5.200	0.200		
10	C 50	3483.800	568.500	563.300	5.200	0.200		

Item No. : 24 Providing and constructing on sewer .R.C.C circular manhole 2.5 m dia and up to a depth of 9 M								
Sr.No.	MH No	Chainage	MTL	IL	Depth	Depth Difference than 9 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1	C 9	707.850	557.915	552.115	5.80	-3.20	-6.50	-13.00
2	C 10	745.350	559.275	553.575	5.70	-3.30		

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.	MH No	Chainage	MTL	IL	Depth	Depth Difference than 5 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1	CKG 38	1260.800	587.159	582.950	4.209	-0.791	-3.34	-6.686
2	CKG 39	1317.000	587.944	583.560	4.384	-0.616		
3	CKG 40	1348.200	588.390	584.190	4.200	-0.800		
4	CKG 41	1374.400	588.154	584.290	3.864	-1.136		

Extra Item No. 1: Construction of RCC circular Manhole of 1.5m dia & 3.5m depth

Sr.No.	MH No	Chainage	MTL	IL	Depth	Depth Difference than 3.5 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1	C 102	5041.000	579.555	574.155	5.400	1.900	23.510	47.020
2	C 103	5077.200	579.900	574.600	5.300	1.800		
3	C 104	5185.900	580.390	575.640	4.750	1.250		
4	C 105	5242.100	580.570	575.870	4.700	1.200		
5	C 106	5300.800	580.930	576.070	4.860	1.360		
6	C 107	5352.000	581.170	576.270	4.900	1.400		
7	C 108	5438.200	581.550	576.600	4.950	1.450		
8	C 109	5511.900	581.700	576.900	4.800	1.300		
9	C 110	5553.100	581.860	577.060	4.800	1.300		
10	C 111	5621.800	582.020	577.320	4.700	1.200		
11	C 112	5668.000	582.300	577.500	4.800	1.300		
12	C 113	5769.200	582.700	577.900	4.800	1.300		
13	CKG 4	213.700	576.810	571.210	5.600	2.100		
14	CKG 5	277.400	577.060	572.060	5.000	1.500		
15	CKG 6	328.600	577.760	572.760	5.000	1.500		
16	CKG 36	1180.900	586.879	582.629	4.250	0.750		
17	CKG 37	1209.600	587.150	582.750	4.400	0.900		



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AURANGABAD MUNICIPAL CORPORATION

(From No.52)

Measurement Book

Book No. :- **017**
Page No. :-

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
Me:
rem

11th C Main Sewer1 Quantity Node Abstract

1 of 2

SR NO	Description	11th R A BILL MEASUREMENTS Sewer "C"												ITEM 11			
		MBPG	ITEM 1		ITEM 2		ITEM 3		ITEM 4		ITEM 5		ITEM 6		ITEM 7	ITEM 10	
			0-1.5	1.5-3.0	3.0-4.5	0-1.5	1.5-3.0	3.0-4.5	4.5-6	0-1.5	1.5-3.0	3.0-4.5					0-1.5
1	For Pipe	3682.32	853.75	0.00	1175.56	1979.52	314.63	3143.64	482.60	1335.46	346.03	0.00	2621.31	723.07	796.85	9733.33	3713.14
2	For Manhole	122.70	61.83	0.00	32.52	83.77	35.97	84.58	16.39	50.17	45.37	0.00	56.12	28.85	50.44		272.61
Total		3805.02	915.60	0.00	1208.09	2063.29	350.60	3228.22	498.99	1385.63	391.40	0.00	2677.42	751.92	796.85	9733.33	3985.75

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to



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :- **019**
Page No. :-

Azad Chowk to Siddharth Chowk R, 300mm

1 of 7

19th RA Bill Measurements Pipe Azad Chowk to Siddharth Chowk

Date	Particulars of work	DETAILS						Content of arrears	Last measurement Page	Last measurement Quantity	Total Upto Date Quantity
		No			L	B	D				
		GL	IL	EX.L							
	RCC PIPE - 300 mm Dia (Avishkar Colony)										
	Width of Trench - For Lift 0 to 1.50m- 0.300+0.08+0.08+0.5=0.96m										
	For Lift 1.5 to 3.00m- 0.300+0.08+0.08+0.5+0.4=1.36 m										
	For Lift 3.0 to 4.5m- 0.300+0.5+0.08+0.08+0.4+0.4=1.76m										
14/06/2016	AS 19 to AS 19.1	Branch Azad Chowk to Siddharth Chowk (CH-565.10, MH No. AS 19)									
	CH0.00	604.890	602.085	601.885			3.005	2.578			
	CH13.15	604.840	602.890	602.690			2.150				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.450	1.360	0.300	4.264	21.610	25.874	
	(b) For Lift 1.5m to 3.0m	1			10.450	0.960	0.000	0.000	0.221	0.221	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.450	1.360	1.100	15.633	4.322	19.955	
	(b) For Lift 1.5m to 3.0m	1			10.450	0.960	1.078	10.814	0.000	10.814	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			10.450	1.360	0.100	1.421	0.000	1.421	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.450	0.960	0.100	1.003	1.601	2.604	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.188	2.127	4.315	
	Extra Item 9.4 (c) :- Lowering & Laying of RCC NP3 Class pipe of 300mm Dia	1			12.500			12.500		12.500	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							32.132			
	Deduction										
	pipe area	1		0.785	10.450	0.380	0.380	1.185			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.003			
								2.188			
	Net Qty = A - B							29.945	24.026	53.970	
	CH13.15	604.840	602.890	602.690			2.150	2.410			
	CH23.80	605.420	602.950	602.750			2.670				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.050	1.360	0.200	2.462	25.874	28.335	



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Book No. :- 020

Page No. :-

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salm 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 (Rising) pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

2 of 7

Azad Chowk to Siddharth Chowk R, 300mm

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
GL	IL	EX.L									
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.050	1.360	1.200	14.770		19.955	34.725
	(b) For Lift 1.5m to 3.0m	1			9.050	0.960	0.200	1.738		10.814	12.552
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			9.050	1.360	0.100	1.231		1.421	2.652
	(b) For Lift 1.5m to 3.0m	1			9.050	0.960	0.710	6.168		0.000	6.168
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.050	0.960	0.100	0.869		2.604	3.473
	Item No. 11 Transportation of earth Transportation charges including loading & unloading							1.895		4.315	6.210
	Extra Item 9.4 (c) :-Lowering & Laying of RCC NP3 Class pipe of 300mm Dia	1			10.000			10.000		12.500	22.500
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							26.368			
	Deduction										
	pipe area	1		0.785	9.050	0.380	0.380	1.026			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.869			
								1.895			
								24.473		53.970	78.444
20/06/2016	AS 19.1 to AS 19.2										
	CH23.80	605.420	603.550	603.350			2.070				
	CH45.25	606.850	603.620	603.420			3.430	2.750			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.250	1.360	0.100	2.482		28.335	30.817
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.250	1.360	1.300	32.266		34.725	66.991
	(b) For Lift 1.5m to 3.0m	1			18.250	0.960	0.300	5.256		12.552	17.808
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			18.250	1.360	0.100	2.482		2.652	5.134
	(b) For Lift 1.5m to 3.0m	1			18.250	0.960	0.600	10.512		6.168	16.680
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			18.250	0.960	0.350	6.132		0.000	6.132
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			18.250	0.960	0.100	1.752		3.473	5.225
	Item No. 11 Transportation of earth Transportation charges including loading & unloading							3.821		6.210	10.030



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