



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 Nakshrawadi (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 Nakshrawadi (Kanchanwadi) STP and Ward No.98 to

Book No. :- 150
Page No. :-

Page 1 of 1

11th Branch Sewer at roshan gate to VIP hall MANHOLE

17th RA BILL MEASUREMENTS Branch Sewer of "C" at Roshan Gate to VIP Function Hall

Item No. 25:- Providing and constructing on sewer.BBM manhole 2.0 m dia at bottom and 0.5 m dia at top and up to a depth of 5 to 9.0 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	RG 8.15.06	259.050	593.630	587.630	6.000	-3.000	-3.000	-6.000

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	RG 8.15.08	340.600	594.475	589.475	5.000	0.000	-17.70	-35.4
2	RG 8.15.10	392.900	593.485	590.185	3.300	-1.700		
3	RG 8.15.11	442.700	593.280	590.380	2.900	-2.100		
4	RG 8.15.12	486.500	593.120	590.520	2.600	-2.400		
5	RG 8.15.13	566.300	593.270	590.670	2.600	-2.400		
6	RG 8.15.14	603.100	593.690	590.990	2.700	-2.300		
7	RG 8.15.15	634.400	593.963	591.263	2.700	-2.300		
8	RG 8.15.16	648.200	594.176	591.376	2.800	-2.200		
9	RG 8.15.17	698.500	594.520	591.820	2.700	-2.300		

Extra Item No. : 2 Construction of BBM Manhole of 0.9m dia upto 1.5m Depth

Sr.No.	MH No	Chainage	MTL	IL	Depth	Depth Difference than 1.5 m	Total Difference	Rebate/Add for Excess height (per 30 cm)
1	RG 8.15.13.01	16.500	592.610	591.210	1.400	-0.100	-4.980	-16.600
2	RG 8.15.13.02	30.900	592.340	591.240	1.100	-0.400		
3	RG 8.15.13.03	43.100	592.150	591.350	0.800	-0.700		
4	RG 8.15.13.04	46.900	592.170	591.350	0.820	-0.680		
5	RG 8.15.13.05	56.100	592.220	591.370	0.850	-0.650		
6	RG 8.15.13.06	63.500	592.220	591.370	0.850	-0.650		
7	RG 8.15.13.07	64.900	592.370	591.370	1.000	-0.500		
8	RG 8.15.13.08	81.200	592.440	591.440	1.000	-0.500		
9	RG 8.15.13.09	92.200	592.680	591.480	1.200	-0.300		
10	RG 8.15.13.10	102.100	592.780	591.530	1.250	-0.250		
11	RG 8.15.13.11	107.300	592.860	591.610	1.250	-0.250		

Extra Item No. : 3 Construction of BBM Manhole of 0.9m X 0.6m upto 1.5m Depth

Sr.No.	MH No	Chainage	MTL	IL	Depth	Depth Difference than 1.5 m	Total Difference	Rebate/Add for Excess height (per 30 cm)
1		For Storm Water Line at Ch. 486.50			2.000	0.500	0.500	1.667



Handwritten signature



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. :- 151
Page No. :-

Page 1 of 4

11th Branch Sewer at roshan gate to VIP hall-Dewatering

11th R A BILL MEASUREMENTS

Branch Sewer of "C" at Roshan Gate to VIP Function Hall

Sr.No.	Date	Pump Capacity in Hp	No. of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
1	05/07/2016	5	1	8:40	10:40	2:00	10:00:00
		5	1	14:10	15:30	1:20	6:40:00
		5	1	16:20	17:20	1:00	5:00:00
		7.5	1	9:00	11:15	2:15	16:52:30
		7.5	1	13:45	15:15	1:30	11:15:00
		7.5	1	16:30	17:30	1:00	7:30:00
2	06/07/2016	7.5	1	9:00	11:30	2:30	18:45:00
		7.5	1	14:00	15:30	1:30	11:15:00
		7.5	1	16:15	17:20	1:05	8:07:30
		5	1	9:10	10:30	1:20	6:40:00
		5	1	13:30	14:50	1:20	6:40:00
		5	1	16:00	17:20	1:20	6:40:00
3	07/07/2016	5	1	8:40	10:50	2:10	10:50:00
		5	1	12:00	13:15	1:15	6:15:00
		5	1	15:20	17:30	2:10	10:50:00
		7.5	1	9:00	11:30	2:30	18:45:00
		7.5	1	13:45	14:50	1:05	8:07:30
		7.5	1	16:10	17:15	1:05	8:07:30
4	08/07/2016	5	1	8:40	11:30	2:50	14:10:00
		5	1	12:50	14:00	1:10	5:50:00
		5	1	15:40	16:50	1:10	5:50:00
		7.5	1	9:00	11:40	2:40	20:00:00
		7.5	1	14:00	15:00	1:00	7:30:00
		7.5	1	16:15	17:30	1:15	9:22:30
5	09/07/2016	5	1	9:00	11:30	2:30	12:30:00
		5	1	13:50	15:10	1:20	6:40:00
		5	1	16:15	17:15	1:00	5:00:00
		7.5	1	8:40	10:40	2:00	15:00:00
		7.5	1	12:00	13:50	1:50	13:45:00
		7.5	1	15:20	17:30	2:10	16:15:00
6	11/07/2016	5	1	8:50	10:50	2:00	10:00:00
		5	1	13:40	15:50	2:10	10:50:00
		5	1	17:15	18:30	1:15	6:15:00
		7.5	1	9:00	10:30	1:30	11:15:00
		7.5	1	11:50	13:50	2:00	15:00:00
		7.5	1	15:00	16:30	1:30	11:15:00
7	12/07/2016	5	1	8:35	11:40	3:05	15:25:00
		5	1	13:00	14:30	1:30	7:30:00
		5	1	16:15	17:45	1:30	7:30:00



Signature
Ses Dhangra



AURANGABAD MUNICIPAL CORPORATION

(From No.52)

Measurement Book

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

Book No. : 152
Page No. : 1

Name of Engineer: M/s. Mahesh Infrastructures Pvt. Ltd. & CIDCO (Joint Venture)

Page 2 of 4

11th Branch Sewer at roshan gate to VIP hall-Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Ehp/Hr
				From	To		
		7.5	1	9:00	10:30	1:30	11:15:00
		7.5	1	12:15	13:45	1:30	11:15:00
		7.5	1	15:00	16:50	1:50	13:45:00
8	13/07/2016	5	1	8:40	11:50	3:10	15:50:00
		5	1	13:15	14:30	1:15	6:15:00
		5	1	15:45	16:50	1:05	5:25:00
		20	1	10:30	11:50	1:20	26:40:00
		20	1	13:00	14:30	1:30	30:00:00
9	14/07/2016	20	1	15:15	17:30	2:15	45:00:00
		20	1	8:40	11:40	3:00	60:00:00
		20	1	12:50	13:50	1:00	20:00:00
		20	1	15:30	17:40	2:10	43:20:00
		5	1	9:30	10:40	1:10	5:50:00
		5	1	14:30	15:50	1:20	6:40:00
10	15/07/2016	5	1	17:00	17:50	0:50	4:10:00
		20	1	8:50	10:40	1:50	36:40:00
		20	1	12:15	13:30	1:15	25:00:00
		20	1	14:40	16:10	1:30	30:00:00
		20	1	17:15	18:20	1:05	21:40:00
		5	1	9:00	11:30	2:30	12:30:00
		5	1	13:20	14:35	1:15	6:15:00
11	16/07/2016	5	1	15:40	17:20	1:40	8:20:00
		20	1	8:40	10:50	2:10	43:20:00
		20	1	12:15	13:30	1:15	25:00:00
		20	1	14:50	16:10	1:20	26:40:00
		20	1	17:00	18:15	1:15	25:00:00
		5	1	9:00	10:30	1:30	7:30:00
		5	1	12:00	13:50	1:50	9:10:00
12	18/07/2016	5	1	14:45	16:10	1:25	7:05:00
		20	1	8:40	11:00	2:20	46:40:00
		20	1	11:50	13:20	1:30	30:00:00
		20	1	14:10	15:20	1:10	23:20:00
13	21/07/2016	20	1	16:30	17:50	1:20	26:40:00
		5	1	9:00	11:30	2:30	12:30:00
		5	1	12:50	14:30	1:40	8:20:00
		5	1	15:40	17:50	2:10	10:50:00
		25	1	8:40	11:30	2:50	70:50:00
		25	1	12:50	13:50	1:00	25:00:00
		25	1	15:00	16:40	1:40	41:40:00
14	22/07/2016	25	1	17:20	18:30	1:10	29:10:00
		5	1	9:00	10:45	1:45	8:45:00



Handwritten signature



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Sahin Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (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 GRP DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) S/P and Ward No 98 to S/P for Aurangabad City.

Book No. :- 153

Page No. :-

Page 3 of 4

11th Branch Sewer at roshan gate to VIP hall-Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		5	1	12:10	14:10	2:00	10:00:00
		5	1	16:15	17:05	0:50	4:10:00
		25	1	8:40	10:40	2:00	50:00:00
		25	1	12:00	13:50	1:50	45:50:00
		25	1	15:20	17:30	2:10	54:10:00
15	23/07/2016	5	1	8:40	10:50	2:10	10:50:00
		5	1	12:30	13:45	1:15	6:15:00
		5	1	15:00	16:30	1:30	7:30:00
		5	1	17:30	18:20	0:50	4:10:00
		25	1	8:30	11:50	3:20	83:20:00
		25	1	13:00	14:10	1:10	29:10:00
		25	1	15:15	16:30	1:15	31:15:00
16	25/07/2016	5	1	8:50	11:00	2:10	10:50:00
		5	1	12:15	13:30	1:15	6:15:00
		5	1	15:00	16:15	1:15	6:15:00
		5	1	17:00	18:45	1:45	8:45:00
		25	1	8:30	11:15	2:45	68:45:00
		25	1	12:30	14:00	1:30	37:30:00
		25	1	14:50	17:20	2:30	62:30:00
17	26/07/2016	25	1	8:30	10:50	2:20	58:20:00
		25	1	11:40	13:00	1:20	33:20:00
		25	1	13:50	15:30	1:40	41:40:00
		25	1	16:20	18:30	2:10	54:10:00
18	27/07/2016	5	1	8:40	11:00	2:20	11:40:00
		5	1	12:00	13:45	1:45	8:45:00
		5	1	14:50	15:40	0:50	4:10:00
		5	1	16:30	17:35	1:05	5:25:00
		25	1	8:20	11:30	3:10	79:10:00
		25	1	12:15	15:20	3:05	77:05:00
		25	1	16:05	18:10	2:05	52:05:00
19	29/07/2016	5	1	8:30	10:30	2:00	10:00:00
		5	1	11:45	13:15	1:30	7:30:00
		5	1	14:30	15:50	1:20	6:40:00
		5	1	16:30	17:40	1:10	5:50:00
		25	1	8:45	11:50	3:05	77:05:00
		25	1	12:30	13:50	1:20	33:20:00
		25	1	15:00	16:45	1:45	43:45:00
		25	1	17:15	18:45	1:30	37:30:00
20	30/07/2016	5	1	8:30	10:30	2:00	10:00:00
		5	1	11:15	12:30	1:15	6:15:00
		5	1	13:45	15:15	1:30	7:30:00



Handwritten signature and date: 28/07/2016



AURANGABAD MUNICIPAL CORPORATION

(From No.52)

Measurement Book

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

Book No. 1- 154
Page No. 1-

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 4 of 4

11th Branch Sewer at roshan gate to VIP hall-Dewatering

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
		5	1	16:15	18:00	1:45	8:45:00
		25	1	8:45	10:50	2:05	52:05:00
		25	1	11:50	13:30	1:40	41:40:00
		25	1	14:20	16:30	2:10	54:10:00
21	31/07/2016	25	1	17:00	18:45	1:45	43:45:00
		25	1	8:30	11:45	3:15	81:15:00
		25	1	12:50	14:30	1:40	41:40:00
		25	1	15:15	16:45	1:30	37:30:00
		25	1	17:30	18:50	1:20	33:20:00
Sub Total						224:35:00	2931:27:30
							2931.460



S. S. Sengupta

