

AURANGABAD MUNICIPAL CORPORATION.

(From No.52)



Measurement Book

Book No. :-
Page No. :- **051**

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.

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

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

1 of 1 Road Restoration Work at Azad Chowk to TV Centre Road(Royal Door House Shop),WBM Qty

11th RA BILL MEASURMENTS

Date:10/11/2016

Measurements of Road Restoration Work at Azad Chowk to TV Centre Road(Royal Door House Shop)

WBM Work

Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation
1	0	15.00	2.70	2.80	0.40
	15		2.90		
2	15	15.00	2.90	2.85	0.40
	30		2.80		
3	30	15.00	2.80	2.75	0.40
	45		2.70		
4	45	15.00	2.70	2.65	0.40
	60		2.60		
5	60	15.00	2.60	2.55	0.40
	75		2.50		
6	75	15.00	2.50	2.60	0.40
	90		2.70		
7	90	15.00	2.70	2.65	0.40
	105		2.60		
8	105	6.00	2.60	2.45	0.40
	111		2.30		
		111.000		2.663	0.400



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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. :-

Page No. :- 052

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

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

1 of 1

Road Restoration Work at Azad Chowk to TV Centre Road(Royal Door House Shop), BM Qty

11th R A BILL MEASURMENTS

Measurements of Road Work at Azad Chowk to TV Centre Road(Royal Door House Shop)				Date:05/12/2016
BM Work				
Sr. No.	Chainage	Length of Road	Width Of Road	Avg. Width by Part wise
1	0	10.00	3.20	3.15
	10		3.10	
2	10	10.00	3.10	3.15
	20		3.20	
3	20	10.00	3.20	3.15
	30		3.10	
4	30	10.00	3.10	3.15
	40		3.20	
5	40	10.00	3.20	3.15
	50		3.10	
6	50	10.00	3.10	3.10
	60		3.10	
7	60	10.00	3.10	3.05
	70		3.00	
8	70	10.00	3.00	3.10
	80		3.20	
9	80	10.00	3.20	3.20
	90		3.20	
10	90	10.00	3.20	3.00
	100		2.80	
11	100	10.00	2.80	2.90
	110		3.00	
12	110	3.30	3.00	3.00
	113.3		3.00	
		113.300		3.092



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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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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

1 of 1

Road Restoration Work at Azad Chowk to TV Centre Road(Royal Door House Shop),Mea. Sheet

17th R A BILL MEASUREMENTS

Road Restoration Work at Azad Chowk to TV Centre Road(Royal Door House Shop)							
Sr. No.	Descriptions of Items	Nos	L	B	D	Unit	Qty
1	Item No 1 :- Excavation for foundation/pipe trenches in earth soils etc complete.	1	111.000	2.663	0.400	Cum	118.215
2	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.	1	111.000	2.663	0.400	Cum	118.215
3	Item No. : 31 Road restoration - Supply, Spreading, Compacting 80mm and 40 mm metal. Providing and laying 75mm hot mix bitumen layer, 20mm bituminous premix carpet using 60/70 grade, Providing liquid seal coat as per detailed specifications, etc complete as directed by Engineer-in-Charge.						
	WBM Work	1	111.000	2.663		Sq. Mtr	295.538
	BM Work	1	113.300	3.092		Sq. Mtr	350.286

CONTRACTOR



Authorized Signatory

PMC



Project Engineer



Project Manager

Gr. Engineer

CLIENT

Dy. Engineer

Ex. Engineer



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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1 of 3

Road Restoration at Sidharth Chowk to Mata Mandir Road, WBM Qty

11th R A BILL MEASUREMENTS

Date:10/11/2016					
Measurements of Road Restoration at Sidharth Chowk to Mata Mandir Road					
WBM Work					
Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation
1	0	4.0	2.50	2.5	0.40
	4		2.50		
2	4	15.0	2.50	2.5	0.40
	19		2.50		
3	19	15.0	2.50	2.6	0.40
	34		2.60		
4	34	15.0	2.60	2.5	0.40
	49		2.40		
5	49	15.0	2.40	2.5	0.40
	64		2.50		
6	64	15.0	2.50	2.6	0.40
	79		2.60		
7	79	15.0	2.60	2.6	0.40
	94		2.50		
8	94	15.0	2.50	2.5	0.40
	109		2.50		
9	109	15.0	2.50	2.5	0.40
	124		2.50		
10	124	15.0	2.50	2.5	0.40
	139		2.50		
11	139	15.0	2.50	2.5	0.40
	154		2.50		
12	154	15.0	2.50	2.5	0.40
	169		2.50		
13	169	15.0	2.50	2.5	0.40
	184		2.50		
14	184	15.0	2.50	2.6	0.40
	199		2.60		
15	199	15.0	2.60	2.6	0.40
	214		2.50		
16	214	15.0	2.50	2.5	0.40
	229		2.55		



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

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Road Restoration at Sidhharth Chowk to Mata Mandir Road,WBM Qty

Date
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Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation
17	229	15.0	2.55	2.6	0.40
	244		2.60		
18	244	15.0	2.60	2.6	0.40
	259		2.50		
19	259	15.0	2.50	2.6	0.40
	274		2.70		
20	274	15.0	2.70	2.7	0.40
	289		2.60		
21	289	15.0	2.60	2.6	0.40
	304		2.50		
22	304	15.0	2.50	2.5	0.40
	319		2.55		
23	319	15.0	2.55	2.5	0.40
	334		2.50		
24	334	15.0	2.50	2.5	0.40
	349		2.55		
25	349	15.0	2.55	2.6	0.40
	364		2.60		
26	364	15.0	2.60	2.7	0.40
	379		2.70		
27	379	15.0	2.70	2.7	0.40
	394		2.70		
28	394	15.0	2.70	2.7	0.40
	409		2.75		
29	409	15.0	2.75	2.7	0.40
	424		2.70		
30	424	15.0	2.70	2.7	0.40
	439		2.60		
31	439	15.0	2.60	2.7	0.40
	454		2.70		
32	454	15.0	2.70	2.7	0.40
	469		2.60		
33	469	15.0	2.60	2.8	0.40
	484		3.00		
34	484	15.0	3.00	2.9	0.40
	499		2.70		
35	499	2.3	2.70	2.9	0.40
	501.3		3.00		





AURANGABAD MUNICIPAL CORPORATION

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

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Road Restoration at Sidharth Chowk to Mata Mandir Road, WBM Qty

Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation
36	501.3	15.0	3.00	2.9	0.40
	516.3		2.80		
37	516.3	15.0	2.80	2.8	0.40
	531.3		2.70		
38	531.3	15.0	2.70	2.7	0.40
	546.3		2.70		
39	546.3	15.0	2.70	2.8	0.40
	561.3		2.90		
40	561.3	12.0	2.90	2.8	0.40
	573.3		2.70		
41	573.3	15.0	2.70	2.7	0.40
	588.3		2.70		
42	588.3	15.0	2.70	2.8	0.40
	603.3		2.90		
43	603.3	13.0	2.90	2.8	0.40
	616.3		2.70		
44	616.3	15.0	2.70	2.7	0.40
	631.3		2.70		
45	631.3	15.0	2.70	2.7	0.40
	646.3		2.70		
46	646.3	15.0	2.70	2.8	0.40
	661.3		2.90		
47	661.3	15.0	2.90	2.9	0.40
	676.3		2.85		
48	676.3	15.0	2.85	2.8	0.40
	691.3		2.70		
49	691.3	15.0	2.70	2.8	0.40
	706.3		2.90		
50	706.3	15.0	2.90	2.9	0.40
	721.3		2.80		
51	721.3	15.0	2.80	2.8	0.40
	736.3		2.75		
52	736.3	15.0	2.75	2.7	0.40
	751.3		2.70		
53	751.3	3.0	2.70	2.7	0.40
	754.3		2.70		
		754.300		2.651	0.400



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Measurement Book

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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.

Name of Author 1 of 3

Road Restoration at Sidhharth Chowk to Mata Mandir Road, BM Qty

11th R A BILL MEASUREMENTS

Date: 16/11/2016

Date of Measurement

Measurements of Road Work at Sidhharth Chowk to Mata Mandir Road				
BM Work				
Sr. No.	Chainage	Length of Road	Width	Avg. Width by Part wise
1	0	15.00	3.20	3.05
	15		2.90	
2	15	15.00	2.90	2.95
	30		3.00	
3	30	15.00	3.00	2.95
	45		2.90	
4	45	15.00	2.90	3.05
	60		3.20	
5	60	15.00	3.20	3.10
	75		3.00	
6	75	15.00	3.00	2.95
	90		2.90	
7	90	15.00	2.90	2.90
	105		2.90	
8	105	15.00	2.90	2.90
	120		2.90	
9	120	15.00	2.90	2.85
	135		2.80	
10	135	15.00	2.80	2.80
	150		2.80	
11	150	15.00	2.80	2.90
	165		3.00	
12	165	15.00	3.00	2.80
	180		2.60	
13	180	15.00	2.60	2.75
	195		2.90	
14	195	15.00	2.90	2.80
	210		2.70	
15	210	15.00	2.70	2.80
	225		2.90	
16	225	15.00	2.90	3.05
	240		3.20	
17	240	15.00	3.20	3.10
	255		3.00	
18	255	15.00	3.00	3.00
	270		3.00	
19	270	15.00	3.00	2.90
	285		2.80	
20	285	15.00	2.80	2.90
	300		3.00	





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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Road Restoration at Sidharth Chowk to Mata Mandir Road, BM Qty

Sr. No.	Chainage	Length of Road	Width	Avg. Width by Part wise
21	300	15.00	3.00	2.90
	315		2.80	
22	315	15.00	2.80	2.80
	330		2.80	
23	330	15.00	2.80	2.85
	345		2.90	
24	345	15.00	2.90	2.95
	360		3.00	
25	360	15.00	3.00	3.00
	375		3.00	
26	375	15.00	3.00	2.85
	390		2.70	
27	390	15.00	2.70	2.90
	405		3.10	
28	405	15.00	3.10	3.15
	420		3.20	
29	420	15.00	3.20	2.95
	435		2.70	
30	435	15.00	2.70	2.95
	450		3.20	
31	450	15.00	3.20	3.15
	465		3.10	
32	465	15.00	3.10	3.00
	480		2.90	
33	480	15.00	2.90	2.95
	495		3.00	
34	495	15.00	3.00	2.90
	510		2.80	
35	510	15.00	2.80	2.85
	525		2.90	
36	525	15.00	2.90	2.90
	540		2.90	
37	540	15.00	2.90	3.05
	555		3.20	
38	555	15.00	3.20	3.10
	570		3.00	
39	570	15.00	3.00	2.95
	585		2.90	
40	585	9.20	2.90	2.85
	594.2		2.80	
41	594.2	15.00	2.80	2.90
	609.2		3.00	
42	609.2	15.00	3.00	2.95
	624.2		2.90	





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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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

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Road Restoration at Sidharth Chowk to Mata Mandir Road, BM Qty

Date of Measurement

Sr. No.	Chainage	Length of Road	Width	Avg. Width by Part wise
43	624.2	15.00	2.90	2.75
	639.2		2.60	
44	639.2	15.00	2.60	2.80
	654.2		3.00	
45	654.2	15.00	3.00	2.90
	669.2		2.80	
46	669.2	15.00	2.80	2.75
	684.2		2.70	
47	684.2	15.20	2.70	2.65
	699.4		2.60	
48	699.4	15.00	2.60	2.70
	714.4		2.80	
49	714.4	15.00	2.80	2.90
	729.4		3.00	
50	729.4	5.60	3.00	2.90
	735		2.80	
51	735	15.00	2.91	2.91
	750		2.91	
52	750	11.90	2.91	2.91
	761.9		2.91	
		761.900		2.914



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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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

1 of 1

Road Restoration at Sidharth Chowk to Mata Mandir Road, Mea. Sheet

11th RA BILL MEASUREMENTS

Road Restoration at Sidharth Chowk to Mata Mandir Road							
Sr. No.	Descriptions of Items	Nos	L	B	D	Unit	Qty
1	Item No 1 :- Excavation for foundation/pipe trenches in earth soils etc complete.	1	754.300	2.651	0.400	Cum	799.843
2	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.	1	754.300	2.651	0.400	Cum	799.843
3	Item No. : 31 Road restoration - Supply, Spreading, Compacting 80mm and 40 mm metal. Providing and laying 75mm hot mix bitumen layer, 20mm bituminous premix carpet using 60/70 grade, Providing liquid seal coat as per detailed specifications; etc complete as directed by Engineer-in-Charge.						
	WBM work	1	754.300	2.651		Sq. Mtr	1999.607
	Bm Work	1	761.900	2.914		Sq. Mtr	2220.177

CONTRACTOR

PMC

CLIENT



Authorized Signatory



Project Engineer



Project Manager

[Signature]
Gr. Engineer

Dy. Engineer

[Signature]
Ex. Engineer



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 Commissioning of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main (GRP/DI pipe) line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for A

Book No. :-

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Name of 1 of 2

Road Work at Bajarang Chowk to Azad Chowk.,WBM Qty

Authorit

12th R A BILL MEASUREMENTS

Date:10/11/2016

Measurements of Road Work at Bajarang Chowk to Azad Chowk

WBM Work

Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation
1	0	15.00	2.80	3.00	0.30
	15		3.20		
2	15	15.00	3.20	2.85	0.30
	30		2.50		
3	30	15.00	2.50	2.70	0.30
	45		2.90		
4	45	15.00	2.90	2.60	0.30
	60		2.30		
5	60	15.00	2.30	2.45	0.30
	75		2.60		
6	75	15.00	2.60	2.60	0.30
	90		2.60		
7	90	15.00	2.60	2.70	0.30
	105		2.80		
8	105	15.00	2.80	2.65	0.30
	120		2.50		
9	120	15.00	2.50	2.50	0.30
	135		2.50		
10	135	15.00	2.50	2.55	0.30
	150		2.60		
11	150	15.00	2.60	2.55	0.30
	165		2.50		
12	165	15.00	2.50	2.35	0.30
	180		2.20		
13	180	15.00	2.20	2.35	0.30
	195		2.50		
14	195	15.00	2.50	2.55	0.30
	210		2.60		
15	210	15.00	2.60	2.55	0.30
	225		2.50		
16	225	15.00	2.50	2.53	0.30
	240		2.55		
17	240	15.00	2.55	2.58	0.30
	255		2.60		
18	255	12.00	2.60	2.55	0.30
	267		2.50		
19	267	15.00	2.50	2.55	0.30
	282		2.60		
20	282	15.00	2.60	2.65	0.30
	297		2.70		
21	297	15.00	2.70	2.60	0.30
	312		2.50		
22	312	6.50	2.50	2.55	0.30
	318.5		2.60		
23	318.5	15.00	2.60	2.60	0.30
	333.5		2.60		
24	333.5	15.00	2.60	2.55	0.30
	348.5		2.50		
25	348.5	15.00	2.50	2.50	0.30
	363.5		2.50		

Date of Measurement

1



[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. :-

Page No. :-

067

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

Date
Meas
remet

2 of 2

Road Work at Bajarang Chowk to Azad Chowk.,WBM Qty

Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation
26	363.5	15.00	2.50	2.55	0.30
	378.5		2.60		
27	378.5	15.00	2.60	2.60	0.30
	393.5		2.60		
28	393.5	15.00	2.60	2.60	0.30
	408.5		2.60		
29	408.5	15.00	2.60	2.55	0.30
	423.5		2.50		
30	423.5	15.00	2.50	2.55	0.30
	438.5		2.60		
31	438.5	15.00	2.60	2.60	0.30
	453.5		2.60		
32	453.5	15.00	2.60	2.55	0.30
	468.5		2.50		
33	468.5	15.00	2.50	2.55	0.30
	483.5		2.60		
34	483.5	15.00	2.60	2.60	0.30
	498.5		2.60		
35	498.5	15.00	2.60	2.90	0.30
	513.5		3.20		
36	513.5	15.00	3.20	3.00	0.30
	528.5		2.80		
37	528.5	10.00	2.80	2.75	0.30
	538.5		2.70		
		538.500	2.605		0.300





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, Zalga, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalga, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe from Golwadi SPS to Maheshwari (Kanchanwadi) STP and Ward No. 98 STP for At

Book No. :- 063
Page No. :-

Name of Authority

1 of 3

Road Work at Bajarang Chowk to Azad Chowk. ,BM Qty

17th RA BILL MEASUREMENTS

Date:08/11/2016

Measurements of Road Work at Bajarang Chowk to Azad Chowk

BM Work

Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise
1	0	10.00	3.10	3.18
	10		3.25	
2	10	10.00	3.25	3.18
	20		3.10	
3	20	10.00	3.10	3.05
	30		3.00	
4	30	10.00	3.00	3.05
	40		3.10	
5	40	10.00	3.10	2.95
	50		2.80	
6	50	10.00	2.80	2.85
	60		2.90	
7	60	10.00	2.90	2.95
	70		3.00	
8	70	10.00	3.00	3.08
	80		3.15	
9	80	10.00	3.15	3.08
	90		3.00	
10	90	10.00	3.00	2.90
	100		2.80	
11	100	10.00	2.80	2.95
	110		3.10	
12	110	10.00	3.10	3.08
	120		3.05	
13	120	10.00	3.05	2.98
	130		2.90	
14	130	10.00	2.90	2.95
	140		3.00	
15	140	10.00	3.00	3.20
	150		3.40	
16	150	10.00	3.40	3.30
	160		3.20	
17	160	10.00	3.20	3.10
	170		3.00	
18	170	10.00	3.00	3.05
	180		3.10	
19	180	10.00	3.10	3.15
	190		3.20	
20	190	10.00	3.20	3.05
	200		2.90	

Date of Measurement





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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Page No. :-

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2 of 3

Road Work at Bajarang Chowk to Azad Chowk, BM Qty

Sr. No.	Chainage	Length of Road	Width Of	Avg. Width by Part
			Excavation	wise
21	200	10.00	2.90	2.90
	210		2.90	
22	210	10.00	2.90	3.00
	220		3.10	
23	220	10.00	3.10	3.05
	230		3.00	
24	230	10.00	3.00	2.88
	240		2.75	
25	240	10.00	2.75	2.83
	250		2.90	
26	250	10.00	2.90	3.03
	260		3.15	
27	260	10.00	3.15	2.98
	270		2.80	
28	270	10.00	2.80	2.90
	280		3.00	
29	280	10.00	3.00	2.90
	290		2.80	
30	304	10.00	2.80	2.85
	314		2.90	
31	314	10.00	2.90	3.05
	324		3.20	
32	324	4.00	3.20	3.30
	328		3.40	
33	328	10.00	3.40	3.20
	338		3.00	
34	338	10.00	3.00	4.10
	348		5.20	
35	348	3.70	5.20	5.25
	351.7		5.30	
36	351.7	10.00	5.30	4.23
	361.7		3.15	
37	361.7	10.00	3.15	3.08
	371.7		3.00	
38	371.7	10.00	3.00	2.90
	381.7		2.80	
39	381.7	10.00	2.80	2.85
	391.7		2.90	
40	391.7	10.00	2.90	2.85
	401.7		2.80	
41	401.7	10.00	2.80	2.95
	411.7		3.10	
42	411.7	10.00	3.10	3.05
	421.7		3.00	



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AURANGABAD MUNICIPAL CORPORATION

(From No.52)

Measurement Book

Book No. :- 065
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) S/P and Ward No.98 to S/P for Aurangabad City.

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

3 of 3

Road Work at Bajarang Chowk to Azad Chowk, BM Qty

Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise
43	421.7	10.00	3.00	3.00
	431.7		3.00	
44	431.7	10.00	3.00	3.00
	441.7		3.00	
45	441.7	10.00	3.00	3.00
	451.7		3.00	
46	451.7	10.00	3.00	3.00
	461.7		3.00	
47	461.7	10.00	3.00	3.05
	471.7		3.10	
48	471.7	10.00	3.10	3.00
	481.7		2.90	
49	481.7	10.00	2.90	3.05
	491.7		3.20	
50	491.7	10.00	3.20	3.05
	501.7		2.90	
51	501.7	10.00	2.90	2.95
	511.7		3.00	
52	511.7	10.00	3.00	2.95
	521.7		2.90	
53	521.7	10.00	2.90	3.10
	531.7		3.30	
54	531.7	10.00	3.30	3.25
	541.7		3.20	
55	541.7	10.00	3.20	3.05
	551.7		2.90	
56	551.7	10.00	2.90	2.95
	561.7		3.00	
57	561.7	1.30	3.00	3.00
	563		3.00	
58	563	10.00	3.10	3.10
	573		3.10	
59	573	10.00	3.10	3.10
	583		3.10	
60	583	10.00	3.10	3.10
	593		3.10	
		579.00		3.097

14.00 Mtr Gap From Ch-290 to Ch-304



98



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. :- **066**
Page 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

1 of 1 Road Work at Bajarang Chowk to Azad Chowk.,Mea. Sheet

11th R A BILL MEASUREMENTS

ROAD WORK AT Road Work at Bajarang Chowk to Azad Chowk							
Sr. No.	Descriptions of Items	Nos	L	B	D	Unit	Qty
1	Item No 1 :- Excavation for foundation/pipe trenches in earth soils etc complete.	1	538.500	2.605	0.300	Cum	420.903
2	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.	1	538.500	2.605	0.300	Cum	420.903
3	Item No. : 31 Road restoration - Supply, Spreading, Compacting 80mm and 40 mm metal. Providing and laying 75mm hot mix bitumen layer, 20mm bituminous premix carpet using 60/70 grade, Providing liquid seal coat as per detailed specifications, etc complete as directed by Engineer-in-Charge.						
	WBM Work	1	538.500	2.605		Sq. Mtr	1403.011
	BM Work	1	579.000	3.097		Sq. Mtr	1793.376

CONTRACTOR

PMC

CLIENT



Authorized Signatory



Project Engineer



Project Manager

[Signature]
Jr. Engineer

Dy. Engineer

[Signature]
Ex-Engineer



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. :-

Page No. :-

067

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

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

1 of 1

Road work at Azad Chowk To Central Naka Road, ,WBM Qty

11th R A BILL MEASURMENTS

Measurements of Road Restoration at Azad Chowk To Central Naka Road					
Date:10/11/2016					
WBM					
Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation
1	0	15.0	2.40	2.2	0.30
	15		2.00		
2	15	2.0	2.00	2.1	0.30
	17		2.10		
3	17	15.0	2.10	2.2	0.30
	32		2.30		
4	32	15.0	2.30	2.5	0.30
	47		2.60		
5	47	15.0	2.60	2.4	0.30
	62		2.20		
6	62	15.0	2.20	2.4	0.30
	77		2.50		
7	77	15.0	2.50	2.5	0.30
	92		2.50		
8	92	15.0	2.50	2.5	0.30
	107		2.50		
9	107	8.8	2.50	2.5	0.30
	115.8		2.50		
		115.800		2.350	0.300



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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. :- **063**
Page 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

1 of 1

Road work at Azad Chowk To Central Naka Road., Carpet Qty

Date:
Meas:
remer:

11th R A BILL MEASUREMENTS

Measurements of Road Restoration at Azad Chowk To Central Naka Road

Date:15/11/2016

Carpet

Sr. No.	Chainage	Length of Road	Width	Avg. Width by Part wise
1	0	15.0	2.40	2.6
	15		2.80	
2	15	15.0	2.80	2.8
	30		2.80	
3	30	15.0	2.80	2.7
	45		2.60	
4	45	15.0	2.60	2.9
	60		3.10	
5	60	15.0	3.10	2.9
	75		2.60	
6	75	15.0	2.60	2.6
	90		2.60	
7	90	15.0	2.60	2.9
	105		3.15	
8	105	15.0	3.15	3.1
	120		3.00	
9	120	15.0	3.00	2.8
	135		2.60	
9	135	6.5	2.60	2.6
	141.5		2.60	
		141.500		2.775



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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. :-
Page No. :- **069**

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

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

1 of 1

Road work at Azad Chowk To Central Naka Road.,Mea. Sheet

11th R A BILL MEASURMENTS

Road Restoration at Azad Chowk To Central Naka Road

Sr. No.	Descriptions of Items	Nos	L	B	D	Unit	Qty
1	Item No 1 :- Excavation for foundation/pipe trenches in earth soils etc complete.	1	115.800	2.350	0.300	Cum	81.639
2	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.	1	115.800	2.350	0.300	Cum	81.639
3	Item No. : 31 Road restoration - Supply, Spreading, Compacting 80mm and 40 mm metal. Providing and laying 75mm hot mix bitumen layer, 20mm bituminous premix carpet using 60/70 grade, Providing liquid seal coat as per detailed specifications, etc complete as directed by Engineer-in-Charge.						
	WBM	1	115.800	2.350		Sq. Mtr	272.130
	Carpet Laying	1	141.500	2.775		Sq. Mtr	392.663

CONTRACTOR

PMC

CLIENT



Authorized Signatory



Project Engineer

Project Manager

Jr. Engineer

Dy. Engineer

Ex. Engineer