



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 (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 STP for Aurangabad City.

Book No. :-
Page No. :- **070**

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 Avon Hotel Mukundwadi, WBM Qty

11th R A BILL MEASUREMENTS

Date:12/11/2016					
Measurements of Road Work at Avon Hotel Mukundwadi					
(WBM)					
Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation
1	0	60.0	2.50	2.39	0.40
2	15		2.50		
3	30		2.35		
4	45		2.50		
5	60		2.10		
6	75	60.0	2.20	2.35	0.40
7	90		2.50		
8	105		2.50		
9	120		2.20		
10	135	60.0	2.50	2.48	0.40
11	150		2.50		
12	165		2.50		
13	180		2.40		
14	195	75.0	2.40	2.44	0.40
15	210		2.50		
16	225		2.50		
17	240		2.30		
18	255		2.50		
		255.0		2.414	0.400



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1 of 1

Road Work Avon Hotel Mukundwadi, BM Qty

11th R A BILL MEASUREMENTS

Date: 27/12/2016				
Measurements of Road Work at Avon Hotel Mukundwadi				
(BM)				
Sr. No.	Chainage	Length of Road	Width	Avg. Width by Part wise
1	0	15.00	2.90	2.80
	15		2.70	
2	15	15.00	2.70	2.85
	30		3.00	
3	30	15.00	3.00	2.75
	45		2.50	
4	45	15.00	2.50	2.75
	60		3.00	
5	60	15.00	3.00	2.95
	75		2.90	
6	75	15.00	2.90	2.90
	90		2.90	
7	90	15.00	2.90	2.80
	105		2.70	
8	105	15.00	2.70	2.65
	120		2.60	
9	120	15.00	2.60	2.80
	135		3.00	
10	135	15.00	3.00	3.00
	150		3.00	
11	150	15.00	3.00	3.00
	165		3.00	
12	165	15.00	3.00	2.75
	180		2.50	
13	180	14.00	2.50	2.60
	194		2.70	
		194.000		2.815



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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 Nakshurawadi (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 Nakshurawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :- **072**
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 Avon Hotel Mukundwadi ,Mea. Sheet

11th R A BILL MEASUREMENTS

Road Restoration at Avon Hotel Mukundwadi

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	255.000	2.414	0.400	Cum	246.203
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	255.000	2.414	0.400	Cum	246.203
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	255.000	2.414		Sq. Mtr	615.506
	(BM Laying)	1	194.000	2.815		Sq. Mtr	546.185

CONTRACTOR

PMC

CLIENT



Authorized Signatory



Project Engineer



Project Manager

[Signature]
Sr. 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. :- **073**
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Road Work at Bambu Galli to Raja Bazar Road, WBM Qty

14th R A BILL MEASUREMENTS

Date of Measurment

1

Measurements of Road Work at Bambu Galli to Raja Bazar Road					
WBM Work					
20/11/2016					
Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation
1	0	10.00	3.30	3.05	0.40
	10		2.80		
2	10	10.00	2.80	2.85	0.40
	20		2.90		
3	20	10.00	2.90	2.90	0.40
	30		2.90		
4	30	10.00	2.90	3.10	0.40
	40		3.30		
5	40	10.00	3.30	3.05	0.40
	50		2.80		
6	50	10.00	2.80	3.05	0.40
	60		3.30		
7	60	10.00	3.30	3.30	0.40
	70		3.30		
8	70	10.00	3.30	3.23	0.40
	80		3.15		
9	80	10.00	3.15	3.18	0.40
	90		3.20		
10	90	10.00	3.20	3.10	0.40
	100		3.00		
11	100	10.00	3.00	3.08	0.40
	110		3.15		
12	110	10.00	3.15	3.03	0.40
	120		2.90		
13	120	10.00	2.90	3.00	0.40
	130		3.10		
14	130	10.00	3.10	3.05	0.40
	140		3.00		
15	140	10.00	3.00	2.95	0.40
	150		2.90		
16	150	2.00	2.90	2.60	0.40
	152		2.30		
17	152	5.00	2.30	2.15	0.40
	157		2.00		
		157.000		2.979	0.400
			Say	2.500	



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1 of 1

Road Work at Bambu Galli to Raja Bazar Road, Bm Qty

12th R A BILL MEASUREMENTS

Measurements of Road Work at Bambu Galli to Raja Bazar Road				
BM Work				25/11/2016
Sr. No.	Chainage	Length of Road	Width Of Road	Avg. Width by Part wise
1	0	10.00	3.30	3.05
	10		2.80	
2	10	10.00	2.80	2.85
	20		2.90	
3	20	10.00	2.90	2.90
	30		2.90	
4	30	10.00	2.90	3.10
	40		3.30	
5	40	10.00	3.30	3.05
	50		2.80	
6	50	10.00	2.80	3.05
	60		3.30	
7	60	10.00	3.30	3.30
	70		3.30	
8	70	10.00	3.30	3.23
	80		3.15	
9	80	10.00	3.15	3.18
	90		3.20	
10	90	10.00	3.20	3.10
	100		3.00	
11	100	10.00	3.00	3.08
	110		3.15	
12	110	10.00	3.15	3.03
	120		2.90	
13	120	10.00	2.90	3.00
	130		3.10	
14	130	10.00	3.10	3.05
	140		3.00	
15	140	10.00	3.00	2.95
	150		2.90	
16	150	2.00	2.90	2.60
	152		2.30	
17	152	5.00	2.30	2.15
	157		2.00	
		157.000		2.979



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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Book No. :-

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Road Work at Bambu Galli to Raja Bazar Road, Carpet Qty

11th RA BILL MEASUREMENTS

Date of Measurement

Measurements of Road Work at Bambu Galli to Raja Bazar Road				
Carpet Work				
02/12/2016				
Sr. No.	Chainage	Length of Road	Width Of Road	Avg. Width by Part wise
1	0	10.00	3.50	3.20
	10		2.90	
2	10	10.00	2.90	2.95
	20		3.00	
3	20	10.00	3.00	3.50
	30		4.00	
4	30	10.00	4.00	4.50
	40		5.00	
5	40	12.00	5.00	5.35
	52		5.70	
6	52	10.00	5.70	4.75
	62		3.80	
7	62	10.00	3.80	3.60
	72		3.40	
8	72	10.00	3.40	3.30
	82		3.20	
9	82	10.00	3.20	3.25
	92		3.30	
10	92	10.00	3.30	3.65
	102		4.00	
11	102	10.00	4.00	3.65
	112		3.30	
12	112	10.00	3.30	3.20
	122		3.10	
13	122	10.00	3.10	3.15
	132		3.20	
14	132	10.00	3.20	3.30
	142		3.40	
15	142	10.00	3.40	3.05
	152		2.70	
16	152	5.00	2.70	2.55
	157		2.40	
		157.000		3.559



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Book No. :- **076**
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.

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 Bambu Galli to Raja Bazar Road, Mea. Sheet

11th R A BILL MEASUREMENTS

Road Work at Bambu Galli to Raja Bazar 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	157.000	2.500	0.400	Cum	157.000
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	157.000	2.500	0.400	Cum	157.000
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	157.000	2.500		Sq. Mtr	392.500
	BM	1	157.000	2.500		Sq. Mtr	467.768
	Carpet Laying	1	157.000	3.559		Sq. Mtr	558.822



Authorized Signatory



Project Engineer



Project Manager

[Signature]
Jr. Engineer

CLIENT

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 G.R.P./D.I pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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Page No. :-

1 Road Restoration at Sangharsh Nagar Chikhalthana (Prakash Nagar to Pilot Nagari Road), WBM Qty

14th R A BILL MEASUREMENTS

Date:20/11/2016					
Measurements of Road Work at Sangharsh Nagar Chikhalthana (Prakash Nagar to Pilot Nagari Road)					
WBM Work					
Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation
1	0	30.00	2.50	2.50	0.30
2	30		2.50		
3	30	30.00	2.50	2.50	0.30
4	60		2.50		
5	60	30.00	2.50	2.50	0.30
6	90		2.50		
7	90	30.00	2.50	2.50	0.30
8	120		2.50		
9	120	30.00	2.50	2.50	0.30
10	150		2.50		
11	150	30.00	2.50	2.50	0.30
12	180		2.50		
13	180	27.00	2.50	2.50	0.30
14	207		2.50		
		207.00		2.50	0.30



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

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Road Restoration at Sangharsh Nagar Chikhalthana (Prakash Nagar to Pilot Nagari Road), Mea. Sheet

11th R A BILL MEASUREMENTS

ROAD WORK AT Sangharsh Nagar Chikhalthana (Prakash Nagar to Pilot Nagari 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. (Prakash Nagar to Pilot Nagari Road)	1	207.000	2.500	0.300	Cum	155.250
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. (Prakash Nagar to Pilot Nagari Road)	1	207.000	2.500	0.300	Cum	155.250
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. (Prakash Nagar to Pilot Nagari Road)	1	207.000	2.500		Sq. Mtr	517.500

CONTRACTOR

PMC

CLIENT



Authorized Signatory



Project Engineer



Project Manager

Jr. Engineer

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

Book No. :-

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11th Road Work at Vishranti Nagar(Jay Bhavani Nagar), WBM Qty

12 th RA BILL MEASUREMENTS						
						Date:24/11/2016
Measurements of Road Work at Vishranti Nagar(Jay Bhavani Nagar)						
WBM Work						
Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation	Depth of murrum filling
1	0	30.0	3.00	3.03	0.5	0.2
	30		3.05			
2	30	30.0	3.05	3.03	0.5	0.2
	60		3.00			
3	60	32.0	3.00	3.00	0.5	0.2
	92		3.00			
4	92	30.0	3.00	3.00	0.5	0.2
	122		3.00			
5	122	30.0	3.00	3.00	0.5	0.2
	152		3.00			
6	152	30.0	3.00	3.00	0.5	0.2
	182		3.00			
7	182	30.0	3.00	3.00	0.5	0.2
	212		3.00			
8	212	30.0	3.00	3.03	0.5	0.2
	242		3.05			
9	242	30.0	3.05	3.03	0.5	0.2
	272		3.00			
10	272	33.0	3.00	3.00	0.5	0.2
	305		3.00			
		305.00		3.01	0.50	0.20





AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

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Book No. :- 083
Page No. :-

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

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11th Road Work at Vishranti Nagar(Jay Bhavani Nagar), Mea. Sheet

11th R A BILL MEASUREMENTS

ROAD WORK AT Vishranti Nagar(Jay Bhavani Nagar)							
Sr. No.	Descriptions of Items	Nos	L	B	D	Unit	Qty
1	ITEM NO. 1 :- Excavation for foundation/pipe trenches in earth soils of all types sand gravel and soft murum, manually or by using mechanical means including & removing the excavated materials, up to a distance of 50.0 m beyond the area, and lifts as below. Stacking and spreading as directed by engineer-in-charge, normal dewatering preparing the bed for foundation and excluding	1	305.00	3.01	0.5	Cum	459.025
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	305.00	3.01	0.5	Cum	459.025
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. (RR only for WBM (80mm & 40mm Layer) work 730 - 533.08 = 196.92						
	WBM work	1	305.00	3.01		Sq. Mtr	918.050
4	Extra Item : 5(d) Providing murrum filling in 15 to 20cm thk. layer etc completed	1	305.00	3.01	0.2	Cum	183.610





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Road Restoration at Ulkanagari (Indian Oil Petrol pump side),WBM Qty

12th R A BILL MEASURMENTS

Date:25/11/2016					
Measurements of Road work at Ulkanagari (Indian Oil Petrol pump side)					
WBM Work					
Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation
1	0	15.0	2.50	2.6	0.40
	15		2.65		
2	15	15.0	2.65	2.5	0.40
	30		2.40		
3	30	15.0	2.40	2.5	0.40
	45		2.50		
4	45	15.0	2.50	2.6	0.40
	60		2.70		
5	60	15.0	2.70	2.6	0.40
	75		2.50		
6	75	15.0	2.50	2.4	0.40
	90		2.20		
7	90	15.0	2.20	2.4	0.40
	105		2.60		
8	105	15.0	2.60	2.5	0.40
	120		2.45		
9	120	15.0	2.45	2.4	0.40
	135		2.40		
10	135	15.0	2.40	2.5	0.40
	150		2.60		
11	150	15.0	2.60	2.6	0.40
	165		2.50		
12	165	15.0	2.50	2.6	0.40
	180		2.70		
13	180	15.0	2.70	2.7	0.40
	195		2.60		
14	195	18.8	2.60	2.6	0.40
	213.8		2.50		
15	213.8	15.0	2.50	2.5	0.40
	228.8		2.50		
16	228.8	18.4	2.50	2.7	0.40
	247.2		2.80		
		247.200		2.528	0.400





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

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Road Restoration at Ulkanagari (Indian Oil Petrol pump side), Mea. Sheet

11th R A BILL MEASUREMENTS

Road work at Ulkanagari (Indian Oil Petrol pump side)							
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.						
	Ulkanagari near Ridhi Sidhi Hall	1	247.200	2.528	0.400	Cum	249.981
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.						
	Ulkanagari near Ridhi Sidhi Hall	1	247.200	2.528	0.400	Cum	249.981
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.						
	Ulkanagari near Ridhi Sidhi Hall	1	247.200	2.528		Sq. Mtr	624.953

CONTRACTOR

 Authorized Signatory

Services * Fortres Infra

 Project Engineer

PMc

 Project Manager

Jt. Engineer

CLIENT

 Dy. Engineer

Ex. Engineer



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

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Road Restoration at Near Ridhi Sidhi Hall, WBM Qty

11th R A BILL MEASUREMENTS

Date:25/11/2016

Measurements of Road work at Near Ridhi Sidhi Hall (Ulkanagari)

WBM Work

Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation
1	0	15.0	2.50	2.6	0.40
	15		2.65		
2	15	15.0	2.65	2.5	0.40
	30		2.40		
3	30	15.0	2.40	2.5	0.40
	45		2.50		
4	45	15.0	2.50	2.6	0.40
	60		2.70		
5	60	12.0	2.70	2.6	0.40
	72		2.50		
		72.0		2.550	0.400





AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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Road Restoration at Near Ridhi Sidhi Hall., Mea. Sheet

11th R A BILL MEASUREMENTS

Road work at Near Ridhi Sidhi Hall (Ulkanagari)

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.						
	Ulkanagari near Ridhi Sidhi Hall	1	72.000	2.550	0.400	Cum	73.440
							73.440
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.						
	Ulkanagari near Ridhi Sidhi Hall	1	72.000	2.550	0.400	Cum	73.440
							73.440
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.						
	Ulkanagari near Ridhi Sidhi Hall WBM	1	72.000	2.550		Sq. Mtr	183.600
							183.600

CONTRACTOR

Authorized Signatory

PMC

Project Engineer

PMC

Project Manager

CLIENT

Dy. Engineer

CLIENT

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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Road work at Cigma Hospital.,WBM,BM & Carpet Qty

12th R A BILL MEASUREMENTS

Measurements of Road Work at Cigma Hospital				
WBM Work				
Date:25/11/2016				
Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise
1	0	23.0	2.50	2.5
	23		2.50	
2	23	10.0	2.90	2.9
	33		2.80	
		33.000		2.675
BM and carpet Work				
Date:29/11/2016				
Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise
1	0	24.50	4.80	4.95
	24.5		5.10	
2	24.5	15.00	7.30	7.65
	39.5		8.00	
3	39.5	10.00	8.00	8.15
	49.5		8.30	
4	49.5	10.00	8.30	9.80
	59.5		11.30	
5	59.5	8.00	5.40	5.00
	67.5		4.60	
		67.500		7.110



R.P. [Signature]



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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Road work at Cigma Hospital, Mea. Sheet

11th R A BILL MEASUREMENTS

Road Restoration at Cigma Hospital

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	33.000	2.675	0.400	Cum	35.310
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	33.000	2.675	0.400	Cum	35.310
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	33.000	2.675		Sq. Mtr	88.275
	BM Laying	1	67.500	7.110		Sq. Mtr	479.925
	BM Laying at Traingular Area	0.5	2.500	4.600		Sq. Mtr	5.750
						Sq. Mtr	485.675
	Carpet Laying	1	67.500	7.110		Sq. Mtr	479.925
	Carpet Laying at Traingular Area	0.5	2.500	4.600		Sq. Mtr	5.750
						Sq. Mtr	485.675

CONTRACTOR

PMC

CLIENT



Authorized Signatory

RAA

Project Engineer

Project Manager

Jr. Engineer

Dy. Engineer

Ex. Engineer

[Signature]



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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Road Restoration at Ulkanagari (Near Khivansara Park), WBM Qty

11th R A BILL MEASUREMENTS

Date:30/11/2016

Measurements of Road work at Ulkanagari
(Near Khivansara Park)

WBM Work

Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation
1	0	15.0	2.80	2.7	0.40
	15		2.65		
2	15	15.0	2.65	2.5	0.40
	30		2.30		
3	30	15.0	2.30	2.4	0.40
	45		2.50		
4	45	15.0	2.50	2.6	0.40
	60		2.65		
5	60	4.0	2.65	2.7	0.40
	64		2.65		
6	64	15.0	2.65	2.7	0.40
	79		3.00		
7	79	15.0	2.50	2.5	0.40
	94		2.50		
8	94	14.0	2.50	2.5	0.40
	108		2.40		
Sub Total		108.00		2.56	0.40
1	0	13.7	4.00	4.4	0.40
	13.7		4.50		
2	13.7	30.0	4.60	4.3	0.40
	43.7		4.00		
Sub Total		43.70		4.33	0.40
Totral		151.700		3.447	0.400

