

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. 001
Page No.

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

Details

Last Measurement

From BN MB No - 4602

Page 3 of 3

Buddha Nagar-02 Measure 250 SWG.

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. 7 :- Filling in plinth and floors/ trenches etc	1			5.500	0.790	0.100	0.435		2.619	3.053
	Item No. : 11 Transportation of earth Transportation charges							0.749		4.516	5.265
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			5.750			5.750		34.650	40.400
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.903			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00			5.500	0.270	0.270	0.31			
	soling			0.785				0.00			
	PCC							0.00			
	Murum bedding							0.43			
								0.75			
								Net Qty = A - B		3.15	24.25
	BNG4 TO BNG4.1										
	CH0.00	579.540	578.690	578.590			0.950				
	CH4.00	579.540	578.898	578.798			0.742	0.846			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.450	0.790	0.846	1.637		32.670	34.308
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.75	0.790	0.100	0.217		3.053	3.271
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.375		5.265	5.640
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			3.250			3.250		40.400	43.650
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.637			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00			2.750	0.270	0.270	0.16			
	soling			0.785				0.00			
	PCC							0.00			
	Murum bedding							0.22			
								0.37			
								Net Qty = A - B		1.26	27.41
										28.67	



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(Form 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. :- **002**
Page No. :-

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

	Details	Last Measurement	
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Page 1 of 3 Buddha Nagar-02Chamber Measurement

9th RA BILL MEASUREMENTS OF CHAMBERS BAUDDHA NAGAR-02

Sl. No.	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EXL							
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth - 0.9*0.5*0.3*0.3=2m										
	Area for chamber up to 1.5m*2*2=4m										
	BNG1										
	CH8.00	580.200	579.100	578.850			1.350				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.350	4.239	0.000	4.239	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.640	0.000	1.640	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.239			
	Deduction										
	Brick work	1.00			0.785	1.16	1.16	1.16			
	soling							0.00			
	PCC	1.00			0.785	1.56	1.56	0.25	0.48		
	Murrum bedding							0.00			
	Total (B)							1.64			
	Net Qty = A - B							2.60	0.00	2.60	
	BNG2										
	CH9.70	580.080	578.975	578.725			1.355				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.355	4.255	4.239	8.494	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.645	1.640	3.284	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.255			
	Deduction										
	Brick work	1.00			0.785	1.16	1.16	1.105	1.17		
	soling							0.00			
	PCC	1.00			0.785	1.56	1.56	0.25	0.48		
	Murrum bedding							0.00			
	Total (B)							1.64			
	Net Qty = A - B							2.61	2.60	5.21	

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 Aurangabad City.

Book No. :-
Page No. :- 003

Page 2 of 3

Bauddha Nagar-02Chamber Measurement

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
BNG3											
CH22.50		579.960	578.830	578.580			1.380				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.380	4.333		8.494	12.827
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.671		3.284	4.956
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.333			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.130	1.19			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.67			
		Net Qty = A - B									
								2.66		5.21	7.87
BNG4											
CH37.35		579.540	578.690	578.440			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.100	3.454		12.827	16.281
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.375		4.956	6.331
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.454			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.850	0.90			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.38			
		Net Qty = A - B									
								2.08		7.87	9.95
	Excavation of Chamber - For 0.6m x.45m dia chamber up to 1.5 mt depth -0.6+0.5+0.3+0.3=1.7m										
	Bredth for chember up to 1.5m=0.5+0.5+0.3+0.3=1.6m										
BNG4.1											
CH4.00		579.540	578.898	578.648			0.892				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.600	0.892	2.426		16.281	18.707



J

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. :- 004
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

Page 3 of 3

Buddha Nagar-02Chember Measurement

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. : 11 Transportation of earth Transportation charges including loading & unloading excavated						1.096		6.331	7.427	
	Item No. 30 :- Refilling the excavated trenches --										
	Total Excavation(A)=						2.426				
	Deduction										
	Brick work	1.00		1	1.10	1.00	0.642			0.71	
	soiling									0.00	
	PCC	1.00		1	1.30	1.20	0.25			0.39	
	Murum bedding									0.00	
	Total (B)						1.10				
							Net Qty = A - B		9.95	11.28	



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

Book No. :-

Page No. :- 005

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

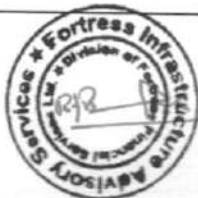
Date of Measurement	Particulars of Work	Details					Last Measurement		Total up to Date
		No.	L	B	D	Contains of Arrears	Page No.	Quantity	

Page 1 of 1

Bauddha Nagar-02CHEMBER

9th R A BILL MEASUREMENTS CHEMBER DETAILS BAUDDHA NAGAR-02

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr For per 30 cm	Total Rebate Qty for 30 cm	
		No					
		GL	IL	DEPTH			
A	Extra Item 02,; Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	BNG1	580.200	579.100	1.100	1.500	-0.40	-6.05
2	BNG2	580.080	578.975	1.105	1.500	-0.39	
3	BNG4	579.540	578.690	0.850	1.500	-0.65	
4	BNG3	579.960	578.830	1.130	1.500	-0.37	
						-1.82	-6.05



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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. :- 006
Page No. :-

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

Date of Measn-	Particulars of Work	Details				Last Measurement		Total up to Date
		No	L	B	D	Page	Quantity	

Page 1 of 1

Bauddha Nagar-02BBM

9th R A BILL MEASUREMENTS OF BBM TRENCH BAUDDHA NAGAR-02

Date	Particulars of work	DETAILS				Content of arrears	Last measurement		Total Upto Date Quantity
		No	L	B	D		Page	Quantity	
A	Quantity for catchpit chamber								
	Extra Item No., 4								
1	0.6mx0.5m size MH, 0.23m thickness -01Nos.								
	Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.								
	(a) Long Wall	2	1.060	0.230	0.742	0.362			
	(b) Short Wall	2	0.500	0.230	0.742	0.171	0.000	0.362	0.171
						0.532	0.000	0.532	
	Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.								
	(a) Long Wall	2	0.600		0.742	0.890	0.000	0.890	
	(b) Short Wall	2	0.500		0.742	0.742	0.000	0.742	
						1.632	0.000	1.632	
	Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.								
	(a) Long Wall	2	1.060		0.742	1.573	0.000	1.573	
	(b) Short Wall	2	0.960		0.742	1.425	0.000	1.425	
						2.998	0.000	2.998	
	Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.								
	(a) Long Wall Internal	2	0.600	0.000	0.742	0.890	0.000	0.890	
	(b) Short Wall Internal	2	0.500	0.000	0.742	0.742	0.000	0.742	
	(c) Long Wall External	2	1.060	0.000	0.742	1.573	0.000	1.573	
	(d) Short Wall External	2	0.960	0.000	0.742	1.425	0.000	1.425	
						4.630	0.000	4.630	
	Extra Item :5(b) - Providing & Casting M15 Grade PCC for manhole etc complete.								
	PCC	1	1.300	1.200	0.150	0.234	0.000	0.234	



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Safim 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. :-

007

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

Bauddha Nagar-02 Quantity Abstract

QUANTITY ABSTRACT
BAUDDHA NAGAR-02

SR NO	Discription	MB/PG	ITEM 1	ITEM 7	ITEM 11	ITEM 30	Extra Item 2		Extra Item 2.a	Extra Item 4				Extra Item 5	Extra Item 9.1	Extra Item 9.2
							0-1.5 m	RR (3450)		Rebate	a	b	c			
1	For Pipe		34.308	3.271	5.640	28.668									43.65	43.65
2	For Manhole		18.707		7.427	11.280	1.00	3.00	-6.05	0.532	1.632	2.998	4.630	0.23		
	Total		53.015	3.271	13.067	39.948	1.00	3.00	-6.05	0.532	1.632	2.998	4.630	0.23	43.65	43.65

CONTRACTOR



PMC



Authorized Signatory

Jr. Engineer

By, Engineer

CLIENT

Ex. Engineer

up to
te

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. :-

008

Page No. :-

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

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

Page 1 of 3

Balaji Nagar-02-250mm DWCMeasurement sheet

9th R A BILL MEASUREMENTS DWG PIPE BALAJI NAGAR-02

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	DWC - 250mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.25+0.5=0.75m										
	For Lift 1.5 to 3.00m- 0.25+0.5+0.4=1.15m										
	For Lift 3.0 to 4.5m- 0.25+0.5+0.4+0.4=1.55m										
	BNY1 TO BNY2										
	CH0.00	582.425	580.425	580.325			2.100	2.023			
	CH13.50	582.765	580.920	580.820			1.945				
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			10.820	1.150	1.500	18.665	0.000	18.665	
	(b) For Lift 1.5 to 3.0m	1			10.820	0.750	0.523	4.240	0.000	4.240	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.320	0.750	0.100	0.849	0.000	0.849	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.404	0.000	1.404	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWG pipe of 250mm Dia	1			11.820			11.820	0.000	11.820	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							22.905			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	11.320	0.250	0.250	0.56			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.85			
								1.40			
								Net Qty = A - B			
								21.50	0.00	21.50	
	BNY2 TO BNY3										
	CH13.50	582.765	580.920	580.820			1.945	1.913			
	CH32.50	583.105	581.325	581.225			1.880				
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			16.340	1.150	1.500	28.187	18.665	46.851	
	(b) For Lift 1.5 to 3.0m	1			16.340	0.750	0.413	5.055	4.240	9.295	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.340	0.750	0.100	1.301	0.849	2.150	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.151	1.404	3.556	



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

Book No. :- 011
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

Last

Page 1 of 11

Balaji Nagar-02-250mm DWCMesurment Branch Line

9th R A BILL MEASUREMENTS SW PIPE BALAJI NAGAR-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	SW PIPE - 150 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.150+0.02+0.02+0.5=0.690m										
	For Lift 1.5 to 3.00m- 0.150+0.02+0.02+0.5+0.4= 1.090m										
	For Lift 3.0 to 4.5m- 0.150+0.5+0.02+0.02+0.4+0.4= 1.490m										
	BNY1 TO BNY1.1										
	CH0.00	582.425	580.930	580.830			1.595	1.460			
	CH8.40	582.425	581.200	581.100			1.325				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.700	0.690	1.460	6.750	98.549	105.299	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.000	0.690	0.100	0.483	4.622	5.105	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.642	7.646	8.288	
	Extra Item :- Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			7.500			7.500	0.000	7.500	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							6.750			
	Deduction of 150mm dia pipe										
	pipe area	1.00		0.785	7.000	0.170	0.170	0.16			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.48			
								0.64			
	Net Qty = A - B							6.11	110.82	116.93	
	BNY1 TO BNY1.2										
	CH0.00	582.425	580.930	580.830			1.595	1.410			
	CH3.40	582.425	581.300	581.200			1.225				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	0.690	1.410	1.654	105.299	106.953	



2

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. :- 012
Page No. :-

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

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Balaji Nagar-02-250mm DWCMeasurment Branch Line

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.000	0.690	0.100	0.138		5.105	5.243
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.183		8.288	8.471
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			2.500			2.500		7.500	10.000
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							1.654			
	Deduction of 150mm dia pipe										
	pipe area	1.00		0.785	2.000	0.170	0.170	0.05			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							0.14			
								0.18			
								1.47		116.93	118.40
	BNY2 TO BNY2.1										
	CH0.00	582.765	581.530	581.430				1.335			
	CH4.40	582.765	582.500	582.400				0.365			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.700	0.690	0.850	1.584		106.953	108.536
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.000	0.690	0.100	0.207		5.243	5.450
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.275		8.471	8.746
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			3.500			3.500		10.000	13.500
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							1.584			
	Deduction of 150mm dia pipe										
	pipe area	1.00		0.785	3.000	0.170	0.170	0.07			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							0.21			
								0.28			
								1.31		118.40	119.71
	BNY2 TO BNY2.2										
	CH0.00	582.765	581.530	581.430				1.335			
	CH2.20	582.765	582.520	582.420				0.345			



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

Book No. :-

Page No. :-

014

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

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Balaji Nagar-02-250mm DWCMesurment Branch Line

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upte Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
							0.06				
		Net Qty = A - B						0.00		119.92	119.92
	BNY3 TO BNY3.1										
	CH0.00	583.105	581.790	581.690			1.415	0.960			
	CH2.00	583.105	582.700	582.600			0.505				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.300	0.690	0.960	0.199		109.000	109.199
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.600	0.690	0.100	0.041		5.547	5.588
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.055		8.875	8.930
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			1.100			1.100		15.900	17.000
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.199			
	Deduction of 150mm dia pipe										
	pipe area	1.00		0.785	0.600	0.170	0.170	0.01			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.04			
								0.06			
		Net Qty = A - B						0.00		119.92	119.92
	BNY3 TO BNY3.2										
	CH0.00	583.105	581.850	581.750			1.355	0.880			
	CH2.35	583.105	582.800	582.700			0.405				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.650	0.690	0.880	0.395		109.199	109.593
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.950	0.690	0.100	0.066		5.588	5.654
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.087		8.930	9.017
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			1.450			1.450		17.000	18.450
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.395			



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

Book No. :- 015

Page No. :-

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

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Balaji Nagar-02-250mm DWCMeasurment Branch Line

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	Deduction of 150mm dia pipe										
	pipe area	1.00		0.785	0.950	0.170	0.170	0.02			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.07			
								0.09			
		Net Qty = A - B						0.31		119.92	120.23
	BNY3 TO BNY3.3										
	CH0.00	583.105	581.900	581.800			1.305	0.820			
	CH2.00	583.105	582.870	582.770			0.335				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.300	0.690	0.820	0.170		109.593	109.763
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.600	0.690	0.100	0.041		5.654	5.695
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.055		9.017	9.072
	Extra Item :- Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			1.100			1.100		18.450	19.550
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.170			
	Deduction of 150mm dia pipe										
	pipe area	1.00		0.785	0.600	0.170	0.170	0.01			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.04			
								0.06			
		Net Qty = A - B						0.00		120.23	120.23
	BNY3 TO BNY3.4										
	CH0.00	583.105	581.900	581.800			1.305	0.820			
	CH5.80	583.105	582.870	582.770			0.335				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.100	0.690	0.820	2.320		109.763	112.083
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.400	0.690	0.100	0.304		5.695	5.999
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.403		9.072	9.475



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

Book No. :- 017
Page No. :-

M/c Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Vencture)

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Balaji Nagar-02-250mm DWCMearurement Branch Line

Date	Particulars of work	DETAILS					Content of arrears	Last measurment		Total Upto Date Quantity		
		No			L	B		D	Page		Quantity	
		GL	IL	EX.L								
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.600	0.690	0.100	0.041		6.040	6.082	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.055		9.530	9.585	
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			1.100			1.100		25.550	26.650	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							0.165				
	Deduction of 150mm dia pipe											
	pipe area	1.00		0.785	0.600	0.170	0.170	0.01				
	soling							0.00				
	PCC							0.00				
	Murum bedding							0.04				
								0.06				
		Net Qty = A - B							0.00		122.15	122.15
	BNY4 TO BNY4.3											
	CH0.00	583.115	581.960	581.860			1.255	0.795				
	CH2.00	583.115	582.880	582.780			0.335					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.											
	(a) For Lift 0 to 1.5m	1			0.300	0.690	0.795	0.165		112.413	112.578	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.600	0.690	0.100	0.041		6.082	6.123	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.055		9.585	9.640	
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			1.100			1.100		26.650	27.750	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							0.165				
	Deduction of 150mm dia pipe											
	pipe area	1.00		0.785	0.600	0.170	0.170	0.01				
	soling							0.00				
	PCC							0.00				
	Murum bedding							0.04				
								0.06				
		Net Qty = A - B							0.00		122.15	122.15
	BNY5 TO BNY5.1											
	CH0.00	583.483	582.510	582.410			1.073	0.878				
	CH2.00	583.483	582.900	582.800			0.683					



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

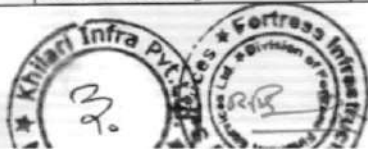
Book No. :- 018
Page No. :-

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

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Balaji Nagar-02-250mm DWCMeasurment Branch Line

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. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.300	0.690	0.878	0.182		112.578	112.759
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.600	0.690	0.100	0.041		6.123	6.164
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.055		9.640	9.695
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			1.100			1.100		27.750	28.850
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.182			
	Deduction of 150mm dia pipe pipe area	1.00		0.785	0.600	0.170	0.170	0.01			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.04			
								0.06			
	Net Qty = A - B							0.00		122.15	122.15
	BNYS TO BNYS.2										
	CH0.00	583.483	582.510	582.410			1.073	0.878			
	CH2.00	583.483	582.900	582.800			0.683				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.300	0.690	0.878	0.182		112.759	112.941
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.600	0.690	0.100	0.041		6.164	6.206
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.055		9.695	9.750
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			1.100			1.100		28.850	29.950
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.182			
	Deduction of 150mm dia pipe pipe area	1.00		0.785	0.600	0.170	0.170	0.01			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.04			



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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.

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Balaji Nagar-02-250mm DWCMesurment Branch Line

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
							0.06				
		Net Qty = A - B					0.00		122.15	122.15	
	BNY5 TO BNY5.3										
	CH0.00	583.483	582.510	582.410		1.073	0.878				
	CH3.60	583.483	582.900	582.800		0.683					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.900	0.690	0.878	1.151	112.941	114.092	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.200	0.690	0.100	0.152	6.206	6.358	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.202	9.750	9.952	
	Extra Item :- Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			2.700			2.700	29.950	32.650	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.151			
	Deduction of 150mm dia pipe										
	pipe area	1.00		0.785	2.200	0.170	0.170	0.05			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.15			
								0.20			
		Net Qty = A - B							0.95	122.15	123.10
	BNY5 TO BNY5.4										
	CH0.00	583.483	582.510	582.410		1.073	0.838				
	CH3.40	583.483	582.980	582.880		0.603					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	0.690	0.838	0.983	114.092	115.075	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.000	0.690	0.100	0.138	6.358	6.496	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.183	9.952	10.135	
	Extra Item :- Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			2.500			2.500	32.650	35.150	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.983			
	Deduction of 150mm dia pipe										



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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.

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029

Page No. :-

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

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Balaji Nagar-02-250mm DWCMearurement Branch Line

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	pipe area	1.00		0.785	2.000	0.170	0.170	0.05			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.14			
								0.18			
		Net Qty = A - B							0.80	123.10	123.90
	BNY5 TO BNY5.5										
	CH0.00	583.483	582.400	582.300			1.183	0.893			
	CH2.60	583.483	582.980	582.880			0.603				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.900	0.690	0.893	0.555	115.075	115.630	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.200	0.690	0.100	0.083	6.496	6.578	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.110	10.135	10.245	
	Extra Item :- Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			1.700			1.700	35.150	36.850	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							0.555			
	Deduction of 150mm dia pipe										
	pipe area	1.00		0.785	1.200	0.170	0.170	0.03			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.08			
								0.11			
		Net Qty = A - B							0.44	123.90	124.34
	BNY6 TO BNY6.1										
	CH0.00	583.715	582.600	582.500			1.215	0.915			
	CH2.00	583.715	583.200	583.100			0.615				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.300	0.690	0.915	0.189	115.630	115.819	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.600	0.690	0.100	0.041	6.578	6.620	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.055	10.245	10.300	
	Extra Item :- Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			1.100			1.100	36.850	37.950	



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

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021

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

Details							Last Measurement			
Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	IL	EX.L	L	B		D	Page	
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation=						0.189			
	Deduction of 150mm dia pipe									
	pipe area	1.00		0.785	0.600	0.170	0.170	0.01		
	soling							0.00		
	PCC							0.00		
	Murram bedding							0.04		
								0.06		
								0.00	124.34	124.34
	Net Qty = A - B							0.00		
	BNY6 TO BNY6.2									
	CH0.00	583.715	582.600	582.500			1.215	0.915		
	CH2.00	583.715	583.200	583.100			0.615			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.									
	(a) For Lift 0 to 1.5m	1			0.300	0.690	0.915	0.189	115.819	116.009
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.600	0.690	0.100	0.041	6.620	6.661
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.055	10.300	10.355
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 150mm Dia	1			1.100			1.100	37.950	39.050
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation=							0.189		
	Deduction of 150mm dia pipe									
	pipe area	1.00		0.785	0.600	0.170	0.170	0.01		
	soling							0.00		
	PCC							0.00		
	Murram bedding							0.04		
								0.06		
								0.00	124.34	124.34
	Net Qty = A - B							0.00		



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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.

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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

Page 1 of 3

Balaji Nagar-02-250mm DWCCamber Measurement

9th R A BILL MEASUREMENTS OF CHEMBERS BALAJI NAGAR-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - For 1.20 dia chamber (upto 2.0m depth)- 1.20+0.50+0.5+0.5=2.66m										
	Area for chember upto 2m=2.66*2.66=7.075m										
	BNY2										
	CH13.50	582.765	580.920	580.670			2.095				
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.500	8.331	0.000	8.331	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.595	3.305	0.000	3.305	
	Item No. : 11 Transportation of earth Transportation charges							3.239	0.000	3.239	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							11.635			
	Deduction										
	Brick work	1		0.785	1.310	1.310	1.845	2.485			
	soling							0.000			
	PCC	1		0.785	1.960	1.960	0.250	0.754			
	Murum bedding							0.000			
	Total (B)							3.239			
		Net Qty = A - B						8.396	0.000	8.396	
	BNY3										
	CH32.50	583.105	581.325	581.075			2.030				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.500	8.331	8.331	16.662	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.530	2.944	3.305	6.248	
	Item No. : 11 Transportation of earth Transportation charges							3.152	3.239	6.391	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							11.274			
	Deduction										
	Brick work	1		0.785	1.310	1.310	1.780	2.398			
	soling							0.000			
	PCC	1		0.785	1.960	1.960	0.250	0.754			
	Murum bedding							0.000			
	Total (B)							3.152			
		Net Qty = A - B						8.123	8.396	16.519	



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

Book No. :-

Page No. :- 023

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

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Balaji Nagar-02-250mm DWCCamber Measurement

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	BNY4										
	CH39.40	583.115	581.405	581.155			1.960				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.500	8.331	16.662	24.992	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.460	2.555	6.248	8.803	
	Item No. : 11 Transportation of earth Transportation charges							3.058	6.391	9.449	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							10.886			
	Deduction										
	Brick work	1		0.785	1.310	1.310	1.710	2.304			
	soling							0.000			
	PCC	1		0.785	1.960	1.960	0.250	0.754			
	Murrum bedding							0.000			
	Total (B)							3.058			
								Net Qty = A - B	7.828	16.519	24.347
	BNY5										
	CH51.65	583.483	581.525	581.275			2.208				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.500	8.331	24.992	33.323	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.708	3.932	8.803	12.735	
	Item No. : 11 Transportation of earth Transportation charges							3.392	9.449	12.840	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							12.263			
	Deduction										
	Brick work	1		0.785	1.310	1.310	1.958	2.638			
	soling							0.000			
	PCC	1		0.785	1.960	1.960	0.250	0.754			
	Murrum bedding							0.000			
	Total (B)							3.392			
								Net Qty = A - B	8.871	24.347	33.218
	BNY6										
	CH70.45	583.715	581.815	581.565			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			0.785	7.075	1.500	8.331	33.323	41.654	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.650	3.610	12.735	16.345	



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. :- 024
Page No. :-

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

Date of Measur-	Particulars of Work	Details				Last Measurement		Total up to Date
					rints rears	Page	Quan-	

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Balaji Nagar-02-250mm DWCCamber Measurement

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. : 11 Transportation of earth Transportation charges							3.313		12.840	16.154
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							11.941			
	Deduction										
	Brick work	1		0.785	1.310	1.310	1.900	2.560			
	soling							0.000			
	PCC	1		0.785	1.960	1.960	0.250	0.754			
	Murum bedding							0.000			
	Total (B)							3.313			
								Net Qty = A - B		8.627	41.845
	Excavation of Chamber - For 0.6m x 0.45m chamber up to 1.5 mt depth - 0.6+0.5+0.3+0.3=1.7m										
	Bredth for chember up to 1.5m=0.45+0.5+0.3+0.3=1.55 m										
	MH-0.6X0.45 (19 Nos)										
	Average Depth for Manhole Excavation for 19 Nos							0.562			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	19			1.700	1.550	0.562	28.137		41.654	69.791
	(b) For Lift 1.5 to 3.0m	19			1.700	1.550	0.000	0.000		16.345	16.345
	Item No. : 11 Transportation of earth Transportation charges							13.30		16.154	29.457
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							28.137			
	Deduction										
	Brick work	19.00		1	1.10	0.95	0.312	6.20			
	soling							0.00			
	PCC	19.00		1	1.30	1.15	0.25	7.10			
	Murum bedding							0.00			
	Total (B)							13.30			
								Net Qty = A - B		14.83	56.68



Je

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

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Page No. :-

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

Date of	Particulars of Work	Details				Last Measurement		Total up to

1 of 1

Balaji Nagar-02-250mm DWCCHEMBER

9th R A BILL MEASURMENTS CHEMBER DETAILS

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 2.0 mtr For per 50 cm	Total Rebate Qty for 50 cm
		No				
		GL	IL	DEPTH		
A	Item No. 21 : Providing and constructing on sewer.BBM manhole 1.2 m dia at bottom and 0.5 m dia at top and up to a depth of 2.0 M etc., complete					
1	BALAJI NAGAR-02					
1	BNY2	582.765	580.920	1.845	2.000	-0.155
2	BNY3	583.105	581.325	1.780	2.000	-0.220
3	BNY4	583.115	581.405	1.710	2.000	-0.290
4	BNY5	583.483	581.525	1.958	2.000	-0.042
5	BNY6	583.715	581.815	1.900	2.000	-0.100
	TOTAL					-0.807
						-1.614



J

**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. :-

026

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 of Measurement	Particulars of Work	Details					Last Measurement		Total up to Date
		No.	L	B	D	ntains Arrears	Page No.	Quantity	

Page 1 of 1

Balaji Nagar-02-250mm DWCBBM Work

9th R A BILL MEASUREMENTS OF BBM TRENCH FOR BALAJI NAGAR-02

Date	Particulars of work	DETAILS				Content of arrears	Last measurement		Total Upto Date Quantity
		No	L	B	D		Page	Quantity	
1	0.23m thickness RECT MH-19								
	Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.								
	(a) Long Wall	38	1.060	0.250	0.562	5.659		0.000	5.659
	(b) Short Wall	38	0.450	0.250	0.562	2.403		0.000	2.403
						8.062		0.000	8.062
	Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.								
	(a) Long Wall	38	0.600		0.562	12.814		0.000	12.814
	(b) Short Wall	38	0.450		0.562	9.610		0.000	9.610
						22.424		0.000	22.424
	Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.								
	(a) Long Wall Internal	38	0.600	0.000	0.562	12.814		0.000	12.814
	(b) Short Wall Internal	38	0.450	0.000	0.562	9.610		0.000	9.610
						22.424		0.000	22.424
	Extra Item :5(b) - Providing & Casting M15 Grade PCC for manhole etc complete.								
	PCC	19	1.260	1.110	0.150	3.986		0.000	3.986
	Manhole Cover								
	Extra item 9.8 (a) providing & Fixing SFRC manhole cover of Size 0.6mx0.45m					19.000		0.000	19.000



2

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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027

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

Balaji Nagar-02-250mm DWQuantity Abstract

QUANTITY ABSTRACT

BALAJI NAGAR-02

SR NO	Discription	MB/PG	ITEM 1		ITEM 7	ITEM 11	ITEM 12		ITEM 13		ITEM 21	ITEM 21.1	ITEM 30	Extra Item 4			Extra Item 5	Extra Item 9.8
			0-1.5	1.5-3.0			Extra 150mm	250mm	Extra 150mm	250mm				a	b	d		
1	For Pipe		116.009	19.917	6.661	10.355	39.050	64.130	39.050	64.130	5.000	-1.614	124.341	8.062	22.424	22.424	3.99	
2	For Manhole		69.791	16.345		29.457							56.679					
	Total		185.799	36.263	6.661	39.812	39.050	64.130	39.050	64.130	5.000	-1.614	181.020	8.062	22.424	22.424	3.99	19.00

CONTRACTOR



PMC



Jr. Engineer

Dy. Engineer

CLIENT

Ex. Engineer

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. :- 028
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

Page 1 of 6

Balaji Nagar Near Balaji Temple Measurement LINE

9th R A BILL MEASUREMENTS SW PIPE BALAJI NAGAR NEAR BALAJI TEMPLE

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	SW PIPE - 250 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.02+0.02+0.5=0.790										
	For Lift 1.5 to 3.00m- 0.250+0.02+0.02+0.5+0.4= 1.190m										
	For Lift 3.0 to 4.5m- 0.250+0.5+0.02+0.02+0.4+0. 4=1.590m										
	B1 to B2										
	CH0.00	582.045	581.135	581.035			1.010	1.035			
	CH21.00	582.175	581.215	581.115			1.060				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			19.300	0.790	0.885	13.494	0.000	13.494	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			19.300	0.790	0.150	2.287	0.000	2.287	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			19.600	0.790	0.100	1.548	0.000	1.548	
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.670	0.000	2.670	
	Extra Item 9.2 (d) :-Lowering & Laying of SWG pipe of 250mm Dia	1			20.100			20.100	0.000	20.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							15.781			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	19.600	0.270	0.270	1.12			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.55			
								2.67			
	Net Qty = A - B							13.11	0.00	13.11	



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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.

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Page No. :-

Name of Agency: M/e Khilari Infrastructure Pvt Ltd. & GECPI (Joint Venture)

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Balaji Nagar Near Balaji Temple Measurement LINE

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upt Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges								4.959	6.171	
	Extra Item 9.2 (d) :-Lowering & Laying of SWG pipe of 250mm Dia	1			9.400			9.400	37.400	46.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							7.475			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	8.900	0.270	0.270	0.51			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.70			
								1.21			
								Net Qty = A - B	6.26	30.59	
	B4 to B5										
	CH49.50	582.545	581.415	581.315			1.230	1.230			
	CH60.20	582.575	581.445	581.345			1.230				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.700	0.790	1.080	7.423	31.567	38.990	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.700	0.790	0.150	1.031	5.190	6.221	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.300	0.790	0.100	0.735	3.579	4.313	
	Item No. : 11 Transportation of earth Transportation charges							1.267	6.171	7.438	
	Extra Item 9.2 (d) :-Lowering & Laying of SWG pipe of 250mm Dia	1			9.800			9.800	46.800	56.600	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							8.454			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	9.300	0.270	0.270	0.53			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.73			
								1.27			
								Net Qty = A - B	7.19	37.77	



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

Book No. :- 031
Page No. :-

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

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Balaji Nagar Near Balaji Temple Measurement LINE

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	B5 to B6										
	CH60.20	582.575	581.445	581.345			1.230	1.285			
	CH72.90	582.835	581.595	581.495			1.340				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.700	0.790	1.135	9.594	38.990	48.584	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.700	0.790	0.150	1.268	6.221	7.489	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.300	0.790	0.100	0.893	4.313	5.206	
	Item No. : 11 Transportation of earth Transportation charges							1.539	7.438	8.977	
	Extra Item 9.2 (d) :-Lowering & Laying of SWG pipe of 250mm Dia	1			11.800			11.800	56.600	68.400	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							10.862			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	11.300	0.270	0.270	0.65			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.89			
								1.54			
	Net Qty = A - B							9.32	37.77	47.10	
	B4 to B4.1										
	CH0.00	582.545	581.415	581.315			1.230	1.340			
	CH8.00	583.035	581.685	581.585			1.450				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.300	0.740	1.190	5.548	48.584	54.132	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.300	0.740	0.150	0.699	7.489	8.189	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.600	0.740	0.100	0.488	5.206	5.695	



J

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. :- 035

Page No. :-

Page 2 of 3

Balaji Nagar Near Balaji TempleChember Balaji Nagar

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	soling						0.000				
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)						1.481				
		Net Qty = A - B						2.287	2.308	4.595	
	B4										
	CH49.50	582.545	581.415	581.165			1.380				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.230	3.862	6.625	10.488	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.942	1.413	
	Item No. : 11 Transportation of earth Transportation charges							1.671	2.973	4.644	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.333				
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.130	1.194			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)						1.671				
		Net Qty = A - B						2.662	4.595	7.257	
	B5										
	CH60.20	582.575	581.445	581.195			1.380				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.230	3.862	10.488	14.350	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	1.413	1.884	
	Item No. : 11 Transportation of earth Transportation charges							1.671	4.644	6.315	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.333				
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.130	1.194			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)						1.671				



g

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. :-

035

Page No. :-

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

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Balaji Nagar Near Balaji TempleChember Balaji Nagar

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
		Net Qty = A - B					2.662		7.257	9.919	
B6											
	CH72.90	582.835	581.595	581.345			1.490				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.340	4.208	14.350	18.557	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	1.884	2.355	
	Item No. : 11 Transportation of earth Transportation charges							1.787	6.315	8.103	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.679				
	Deduction										
	Brick work	1			0.785	1.160	1.160	1.240	1.310		
	soling								0.000		
	PCC	1			0.785	1.560	1.560	0.250	0.478		
	Murrum bedding								0.000		
	Total (B)						1.787				
		Net Qty = A - B					2.891		9.919	12.810	
B4.1											
	CH8.00	583.035	581.685	581.435			1.600				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.350	4.239	18.557	22.796	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.100	0.314	0.000	0.314	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	2.355	2.826	
	Item No. : 11 Transportation of earth Transportation charges							1.904	8.103	10.006	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						5.024				
	Deduction										
	Brick work	1			0.785	1.160	1.160	1.350	1.426		
	soling								0.000		
	PCC	1			0.785	1.560	1.560	0.250	0.478		
	Murrum bedding								0.000		
	Total (B)						1.904				
		Net Qty = A - B					3.120		12.810	15.930	



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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.

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037

Page No. :-

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

		Details	Last Measurement
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Page 1 of 1

Balaji Nagar Near Balaji TempleCHEMBER

9th R A BILL MEASURMENTS CHEMBER DETAILS BALAJI NAGAR NEAR BALAJI TEMPLE

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr		Total Rebate Qty for 30 cm
		No			For per 30 cm		
		GL	IL	DEPTH			
A	Extra Item No. 02 : Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	NAGESHWARWADI SUNDARNAGAR						
1	B2	582.175	581.215	0.960	1.500	-0.540	-7.467
2	B3	582.305	581.355	0.950	1.500	-0.550	
3	B4	582.545	581.415	1.130	1.500	-0.370	
4	B5	582.575	581.445	1.130	1.500	-0.370	
5	B6	582.835	581.595	1.240	1.500	-0.260	
6	B4.1	583.035	581.685	1.350	1.500	-0.150	
	TOTAL					-2.240	-7.467



Jk

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 Kharli Infrastructure Pvt.Ltd. & GECPL (Joint Venture)

AMC/Work B&C/UIDSSMT/2014/184 Date 01.07.2014

QUANTITY ABSTRACT

BALAJI NAGAR NEAR BALAJI TEMPLE

SR NO	Discription	MB/PG	ITEM 1		ITEM 2	ITEM 7	ITEM 11	Extra Item 9.1		Extra Item 9.2		ITEM 30	Extra Item 2	Extra Item 2.a
			0-1.5	1.5-3.0				200mm	250m	200mm	250m			
1	For Pipe		62.520		9.343	6.486	10.915	18.800	68.400	18.800	68.400	60.948		
2	For Manhole		22.796	0.314	2.826		10.006					15.930	6.000	-7.467
	Total		85.316	0.314	12.169	6.486	20.921	18.800	68.400	18.800	68.400	76.878	6.000	-7.467

CONTRACTOR



PMC



CLIENT



Project Manager

 Dy. Engineer

 Ex. Engineer

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 3

Itkheda(Near Mahanubhav Ashram)-250rcc 250mm-MB

9th R A BILL MEASUREMENTS

ITKHEDA(NEAR MAHANUBHAW ASHRAM)

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	RCC 250mm Dia										
	Width of Trench - For										
	Bottom Lift 0.00-1.50m- 0.25+0.06+0.06+0.5=0.87m										
	From Bottom Lift 1.50m-3.00m- 0.25+0.06+0.06+0.5+0.4=1.27m										
	From Bottom Lift 3.00m-4.50m- 0.25+0.06+0.06+0.5+0.4+0.4 = 1.67m										
	OLD TO IA1										
	CH0.00	548.610	547.460	547.260			1.35	1.282			
	CH12.90	548.613	547.600	547.400			1.21				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.240	0.870	1.282	12.532	0.000	12.532	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.240	0.870	0.200	1.956	0.000	1.956	
	Item No. : 11 Transportation of earth Transportation charges including							2.804	0.000	2.804	
	Extra Item No.9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			12.000			12.000	0.000	12.000	
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation = A							12.532			
	Deduction										
	pipe area	1		0.785	11.240	0.310	0.310	0.848			
	soiling							0.000			
	PCC							0.000			
	Murum bedding							1.956			
	Total = B							2.804			
					Net Qty = A - B			9.728	0.000	9.728	
	IA1 TO IA2										
	CH12.90	548.613	547.600	547.400			1.21	1.189			
	CH31.80	548.580	547.615	547.415			1.17				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.900	0.870	1.189	17.482	12.532	30.013	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			16.900	0.870	0.200	2.941	1.956	4.896	
	Item No. : 11 Transportation of earth Transportation charges including							4.216	2.804	7.019	
	Extra Item No.9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			18.000			18.000	12.000	30.000	
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation = A							17.482			



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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.

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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

Details						Last Measurement
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3 of 3

Itkheda(Near Mahanubhav Ashram)-250rcc 250mm-MB

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	IA4 TO IAS										
	CH63.60	548.595	547.675	547.475			1.12	1.130			
	CH74.50	548.735	547.795	547.595			1.14				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.900	0.870	1.130	8.750	57.315	66.065	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			8.900	0.870	0.200	1.549	9.734	11.282	
	Item No. : 11 Transportation of earth Transportation charges including							2.220	13.954	16.174	
	Extra Item No.9.4 :-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			10.000			10.000	60.000	70.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							8.750			
	Deduction										
	pipe area	1		0.785	8.900	0.310	0.310	0.671			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.549			
	Total = B							2.220			
					Net Qty = A - B			6.530	43.361	49.891	
	IAS TO NO MH										
	CH74.50	548.735	547.795	547.595			1.14	1.140			
	CH88.95	548.835	547.895	547.695			1.14				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.450	0.870	1.140	13.340	66.065	79.404	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			13.450	0.870	0.200	2.340	11.282	13.622	
	Item No. : 11 Transportation of earth Transportation charges including							3.355	16.174	19.529	
	Extra Item No.9.4 :-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			14.000			14.000	70.000	84.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							13.340			
	Deduction										
	pipe area	1		0.785	13.450	0.310	0.310	1.015			
	soling							0.000			
	PCC							0.000			
	Murum bedding							2.340			
	Total = B							3.355			
					Net Qty = A - B			9.985	49.891	59.876	



2

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. :-

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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 2

Itkheda(Near Mahanubhav Ashram)-250rcc Chamber Measurement

9th R A BILL MEASUREMENTS OF CHEMBERS ITKHEDA(NEAR MAHANUBHAW ASHRAM)

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth - 0.9+0.5+0.3+0.3=2m									
	Area for chamber up to 1.5m=2 X 2=4m									
	IA1									
	CH12.90	548.613	547.600	547.350			1.263			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.263	3.966	0.000	3.966
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.548	0.000	1.548
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						3.966			
	Deduction									
	Brick work	1.00		0.785	1.160	1.160	1.013	1.070		
	soling							0.000		
	PCC	1.00		0.785	1.560	1.560	0.250	0.478		
	Murrum bedding							0.000		
	Total (B)							1.548		
	Net Qty = A - B							2.418	0.000	2.418
	IA2									
	CH31.80	548.580	547.615	547.365			1.215			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.215	3.815	3.966	7.781
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.497	1.548	3.045
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						3.815			
	Deduction									
	Brick work	1.00		0.785	1.160	1.160	0.965	1.019		
	soling							0.000		
	PCC	1.00		0.785	1.560	1.560	0.250	0.478		
	Murrum bedding							0.000		
	Total (B)							1.497		
	Net Qty = A - B							2.318	2.418	4.736
	IA3									
	CH44.70	548.595	547.675	547.425			1.170			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.170	3.674	7.781	11.455



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