

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

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Page No. :-

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

DRG/UDSSMTC/014/184 Date 01.07.2014

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Shahanagar (Masanapur)-Pipe

9th RA BILL MEASURMENTS DWC PIPE SHAHANAGAR (MASANATPUR)

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
Part-1	DWC - 200mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.200+0.5=0.700m										
	For Lift 1.5 to 3.00m- 0.200+0.5+0.4=1.11m										
	For Lift 3.0 to 4.5m- 0.200+0.5+0.4+0.4=1.50m										
	S4 Old MH to S4.1										
	CH0.00	577.420	575.060	574.960			2.460	2.078			
	CH6.70	577.365	575.770	575.670			1.695				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.000	1.100	1.500	8.250	0.000	8.250	
	(b) For Lift 1.5m to 3.0m	1			5.000	0.700	0.578	2.021	0.000	2.021	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.300	0.700	0.100	0.371	0.000	0.371	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.537	0.000	0.537	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			5.800			5.800	0.000	5.800	
	Item No. 30 :- Refilling the excavated trenches										
	Total Excavation:-							10.271			
	Deduction of 200mm dia pipe pipe area	1.000		0.785	5.300	0.200	0.200	0.166			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.371			
								0.537			
								9.734	0.000	9.734	
	S4.1 to S4.2										
	CH6.70	577.365	575.770	575.670			1.695	1.683			
	CH15.00	577.420	575.850	575.750			1.670				
	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	1.100	1.500	10.395	8.250	18.645	
	(b) For Lift 1.5m to 3.0m	1			6.300	0.700	0.183	0.805	2.021	2.826	



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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 GSP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Book No.
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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			6.900	0.700	0.100	0.483		0.371	0.854
	Item No. : 11 Transportation of earth Transportation charges							0.700		0.537	1.237
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			7.400			7.400		5.800	13.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							11.200			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	6.900	0.200	0.200	0.217			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.483			
								0.700			
								10.500		9.734	20.234
	Net Qty = A - B										
	S4.2 to S4.3										
	CH15.00	577.420	575.850	575.750			1.670	1.610			
	CH25.00	577.575	576.125	576.025			1.550				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.000	1.100	1.500	13.200		18.645	31.845
	(b) For Lift 1.5m to 3.0m	1			8.000	0.700	0.110	0.616		2.826	3.442
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.600	0.700	0.100	0.602		0.854	1.456
	Item No. : 11 Transportation of earth Transportation charges							0.872		1.237	2.109
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			9.100			9.100		13.200	22.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							13.816			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	8.600	0.200	0.200	0.270			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.602			
								0.872			
	Net Qty = A - B							12.944		20.234	33.178
	S4.2 to S4.3										
	CH25.00	577.575	576.125	576.025			1.550	1.460			
	CH24.00	577.610	576.340	576.240			1.370				



Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	7.700	0.200	0.200	0.242			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.539			
								0.781			
								Net Qty = A - B			
	S7.2 to S7.3							11.344	70.289	81.633	
	CH22.10	577.435	575.970	575.870			1.565				
	CH34.70	577.635	576.170	576.070			1.565	1.565			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.600	1.100	1.500	17.490	80.464	97.954	
	(b) For Lift 1.5m to 3.0m	1			10.600	0.700	0.065	0.482	7.253	7.736	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			11.200	0.700	0.100	0.784	4.200	4.984	
	Item No. : 11 Transportation of earth Transportation charges							1.136	6.084	7.220	
	Item No. 13 :- (b) Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			11.700			11.700	63.500	75.200	
	Item No. 30 :- Refilling the excavated trenches										
	Total Excavation:-							17.972			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	11.200	0.200	0.200	0.352			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.784			
								1.136			
								Net Qty = A - B			
	S7.3 to S7.4							16.837	81.633	98.470	
	CH34.70	577.635	576.170	576.070			1.565				
	CH45.10	577.730	576.510	576.410			1.320	1.443			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.400	0.700	1.443	8.482	97.954	106.436	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			9.000	0.700	0.100	0.630	4.984	5.614	
	Item No. : 11 Transportation of earth Transportation charges							0.913	7.220	8.132	



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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 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 1000mm dia pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP at Surangabad 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

Shahanagar (Masanatpur)-Pipe

Item	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. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1				9.500			9.500		75.200	84.700
Item No. 30 :- Refilling the excavated trenches ...											
Total Excavation=								8.482			
Deduction of 200mm dia pipe											
pipe area	1.000		0.785	9.000	0.200	0.200	0.283				
soiling							0.000				
PCC							0.000				
Murrum bedding							0.630				
							0.913				
							Net Qty = A - B	7.569		98.470	106.039
S7.4 to S7.5											
CB45.10	577.730	576.510	576.410			1.320					
CB55.40	578.230	577.040	576.940			1.290		1.305			
Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.											
(a) For Lift 0 to 1.5m	1				8.300	0.700	1.305	7.582		106.436	114.018
(b) For Lift 1.5m to 3.0m	1				8.300	0.700	0.000	0.000		7.736	7.736
Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1				8.900	0.700	0.100	0.623		5.614	6.237
Item No. - 11 Transportation of earth Transportation charges								0.902		8.132	9.035
Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1				9.400			9.400		84.700	94.100
Item No. 30 :- Refilling the excavated trenches ...											
Total Excavation=								7.582			
Deduction of 200mm dia pipe											
pipe area	1.000		0.785	8.900	0.200	0.200	0.279				
soiling							0.000				
PCC							0.000				
Murrum bedding							0.623				
							0.902				
							Net Qty = A - B	6.680		106.039	112.719
Item No. 25 Soiling of Existing ...					0.100			0.100			0.100



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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 Nakshrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Constructing, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP-DI pipe line from Golwadi SPS to Nakshrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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Shahanagar (Masanapur)-Chamber

9th R A BILL MEASUREMENTS OF CHAMBERS SHAHANAGAR (MASANATPUR)

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 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										
	S4.1										
	CH6.70	577.365	575.770	575.520			1.845				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710	0.000	4.710	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.345	1.083	0.000	1.083	
	Item No. : 11 Transportation of earth Transportation charges							2.162	0.000	2.162	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.793			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.595	1.685			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							2.162			
	Net Qty = A - B							3.631	0.000	3.631	
	S4.2										
	CH15.00	577.420	575.850	575.600			1.820				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710	4.710	9.420	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.320	1.005	1.083	2.088	
	Item No. : 11 Transportation of earth Transportation charges							2.136	2.162	4.298	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.715			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.570	1.658			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							2.136			
	Net Qty = A - B							3.579	3.631	7.210	
	S4.3										
	CH25.00	577.575	576.125	575.875			1.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710	9.420	14.130	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.200	0.628	2.088	2.716	



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Name of work:- Development of Underground Sewerage Collection system for Zone No. 10 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 CIDCO (Airport).

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Shahanagar (Masanapur)-Chamber

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						2.009		4.298	6.308	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						5.338				
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.532				
	soling						0.000				
	PCC	1		0.785	1.560	1.560	0.478				
	Murum bedding						0.000				
	Total (B)						2.009				
		Net Qty = A - B						3.329	7.210	10.539	
	S4.4										
	CH34.10	577.610	576.340	576.090			1.520				
	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	1.500	4.710	14.130	18.840	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.020	0.063	2.716	2.779	
	Item No. : 11 Transportation of earth Transportation charges						1.819		6.308	8.127	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.773				
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.270	1.341			
	soling						0.000				
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding						0.000				
	Total (B)						1.819				
		Net Qty = A - B						2.954	10.539	13.492	
	S4.5										
	CH47.70	577.750	576.510	576.260			1.490				
	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	1.490	4.679	10.840	15.519	
	Item No. : 11 Transportation of earth Transportation charges						1.787		8.127	9.914	
	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			
	Murum bedding						0.000				
	Total (B)						1.787				
		Net Qty = A - B						2.892	13.492	16.383	



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Name of work:- Development of Underground Sewage 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 Naksharwadi (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 Naksharwadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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Shahanagar (Masanatpur)-Chamber

Date	Particulars of work	DETAILS					Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
S7.1										
CH13.00		577.330	575.830	575.580			1.750			
	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	1.500	4.710	23.519	28.229
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.250	0.785	2.779	3.564
	Item No. : 11 Transportation of earth Transportation charges							2.062	9.914	11.976
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=							5.495		
	Deduction									
	Brick work	1			0.785	1.160	1.500	1.584		
	soling							0.000		
	PCC	1			0.785	1.560	0.250	0.478		
	Murrum bedding							0.000		
	Total (B)							2.062		
					Net Qty = A - B			3.433	16.383	19.816
S7.2										
CH22.10		577.435	575.970	575.720			1.715			
	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	1.500	4.710	28.229	32.939
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.215	0.675	3.564	4.239
	Item No. : 11 Transportation of earth Transportation charges							2.025	11.976	14.001
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=							5.385		
	Deduction									
	Brick work	1			0.785	1.160	1.465	1.547		
	soling							0.000		
	PCC	1			0.785	1.560	0.250	0.478		
	Murrum bedding							0.000		
	Total (B)							2.025		
					Net Qty = A - B			3.360	19.816	23.176
S7.3										
CH34.70		577.635	576.170	575.920			1.715			
	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	1.500	4.710	32.939	37.649
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.215	0.675	4.239	4.914
	Item No. : 11 Transportation of earth Transportation charges							2.025	14.001	16.026



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Name of work:- Development of Underground Sewerage Collection system for Zone 1 to 10 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 1000mm pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aarangaahad City.

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

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Shahanagar (Masanapur)-Chamber

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. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						5.385				
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.465			1.547	
	soiling									0.000	
	PCC	1		0.785	1.560	1.560	0.250			0.478	
	Murram bedding									0.000	
	Total (B)									2.025	
		Net Qty = A - B						3.360		23.176	26.536
	S7.4										
	CR45.10	577.730	576.510	576.260			1.470				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.470	4.616		37.649	42.264
	Item No. : 11 Transportation of earth Transportation charges							1.766		16.026	17.793
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.616			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.220	1.289			
	soiling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	Total (B)							1.766			
		Net Qty = A - B						2.850		26.536	29.386
	S7.5										
	CR55.40	578.230	577.040	576.790			1.440				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.440	4.522		42.264	46.786
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000		4.914	4.914
	Item No. : 11 Transportation of earth Transportation charges							1.735		17.793	19.527
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.522			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.190	1.257			
	soiling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	Total (B)							1.735			
		Net Qty = A - B						2.787		29.386	32.173



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and Zone Safim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zaha, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commissioning of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zaha, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main (RPM) 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

Shahanagar (Masanapur)-Quantity Abstract Shahanagar

QUANTITY ABSTRACT

SHAHANAGAR (MASANATPUR)

Sr. No.	Description	MB/PG	ITEM 1		ITEM 7	ITEM 11	ITEM 12	ITEM 13	ITEM 30	ITEM 35	Extra Item 2		Extra Item 2.a
			0-1.5	1.5-3.0							0-1.5 m	Rebate	
1	For Pipe		114.018	7.736	6.237	9.035	94.100	94.100	112.719	0.100			
2	For Manhole		46.786	4.914		19.527			32.173		10.000		-1.283
	Total		160.804	12.650	6.237	28.562	94.100	94.100	144.892	0.100	10.000		-1.283



Authorized Signatory



Project Engineer



Project Manager



Jr. Engineer



CLIENT

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Ex. Engineer

Ex. Engineer

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Dy. Engineer

Dy. Engineer

al up to Date

10

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

Book No. :- 054
Page No. :-

9th R A BILL MEASUREMENTS DWC PIPE MASNATUR-02

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	DWC - 200mm Dia									
	Width of Trench - For Lift 0 to 1.50m- 0.200+0.5=0.700m									
	For Lift 1.5 to 3.00m- 0.200+0.5+0.4=1.100m									
	For Lift 3.0 to 4.5m- 0.200+0.5+0.4+0.4=1.500m									
	MASNATUR-02(GALLI NO1)									
	MH 2 TO MSP1	Part-I								
	CHS.00	577.315	575.650	575.550			1.765	1.743		
	CHS.55	577.425	575.805	575.705			1.720			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			4.550	1.100	1.500	7.508	0.000	7.508
	(a) For Lift 0 to 1.5m	1			4.550	0.700	0.243	0.772	0.000	0.772
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.850	0.700	0.100	0.340	0.000	0.340
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.492	0.000	0.492
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			5.350			5.350	0.000	5.350
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation=							8.280		
	Deduction of 200mm dia pipe									
	pipe area	1.00		0.785	4.850	0.200	0.200	0.15		
	soiling							0.00		
	PCC							0.00		
	Murrum bedding							0.34		
								0.49		
								7.79	0.00	7.79
	Net Qty = A - B									
	MSP1 TO MSP2									
	CHS.55	577.425	575.805	575.705			1.720	1.618		
	CHS.50	577.345	575.930	575.830			1.515			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			7.950	1.100	1.500	13.118	7.508	20.625
	(a) For Lift 0 to 1.5m	1			7.950	0.700	0.118	0.654	0.772	1.426
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.550	0.700	0.100	0.599	0.340	0.938



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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 Naksharwadi (Kancharwadi), 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 Gohwadi SPS to Naksharwadi (Kancharwadi) 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 Vencture)

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Masnatpur-02- dwcMeasurement(1)

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	MSB1 TO MSB4										
	CR24.85	577.815	576.825	576.725			1.090	1.005			
	CR40.85	577.755	576.935	576.835			0.920				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.100	0.700	1.005	6.402	56.209	62.610	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			9.700	0.700	0.100	0.679	4.095	4.774	
	Item No. 11 Transportation of earth Transportation charges							0.984	5.932	6.915	
	Item No. 13 :- (b) Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			10.200			10.200	62.000	72.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.402			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	9.700	0.200	0.200	0.30			
	soiling							0.00			
	POC							0.00			
	Murrum bedding							0.68			
								0.98			
								Net Qty = A - B	5.42	51.70	57.12
	MSB4 TO MSB5										
	CR42.85	577.755	576.935	576.835			0.920	0.890			
	CR52.85	577.745	576.985	576.885			0.860				
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			8.800	0.700	0.890	5.482	62.610	68.093	
	(a) For Lift 0 to 1.5m	1			8.800	0.700	0.000	0.000	1.426	1.426	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			9.400	0.700	0.100	0.658	4.774	5.432	
	Item No. 11 Transportation of earth Transportation charges including loading & unloading							0.953	6.915	7.869	
	Item No. 13 :- (b) Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			9.900			9.900	72.200	82.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.482			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	9.400	0.200	0.200	0.30			
	soiling							0.00			
	POC							0.00			
	Murrum bedding							0.66			
								0.95			
								Net Qty = A - B	4.53	57.12	61.65



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Name of work:- Development of Underground Sewerage Collection system for Zone-10 and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Bancwadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commissioning of Sewage pumping stations at Bancwadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing using 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

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Masnatur-02-dwc(Messu-308,2500WC)

9th R A BILL MEASUREMENTS DWC PIPE MASNATUR-02

Date	Particulars of work	DETAILS						Content of meters	Last measurement		Total Egro Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	DWC - 315 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.315+0.5=0.815m										
	For Lift 1.5 to 3.00m- 0.315+0.5+0.4=1.215m										
	For Lift 3.0 to 4.5m- 0.315+0.5+0.4+0.4=1.615m										
	MH-8 TO MH8.1	Part-II									
	CH0.00	576.960	575.320	575.220			1.740	1.505			
	CH8.00	576.710	575.540	575.440			1.270				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.000	0.815	1.500	8.558	0.000	1.558	
	(b) For Lift 1.5m to 3.0m	1			7.000	0.815	0.005	0.029	0.000	1.587	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.300	0.815	0.100	0.595	0.000	1.587	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.164	0.000	1.587	
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			7.800			7.800	0.000	1.587	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							8.586			
	Deduction of 315mm dia pipe										
	pipe area	1.00		0.785	7.300	0.315	0.315	0.57			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.59			
								1.16			
								7.42		7.42	
	MH8.1 TO MH8.2										
	CH8.00	576.710	575.540	575.440			1.270	1.280			
	CH16.90	576.560	575.570	575.470			1.090				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.900	0.815	1.080	6.635	8.558	15.193	



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Name of work:- Development of Underground Sewerage Collection system for Zone No. 10 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.

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

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Masatpur-02-dwd/Measu-300,250DW(2)

Date	Particulars of work	DETAILS						Content of meters	Last measurement		Total Qty Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	MH8.3 TO MH8.4										
	CH30.95	576.510	575.580	575.480			1.030	1.035			
	CH44.15	576.790	575.710	575.610			1.180				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.200	0.815	1.105	10.066	25.003	25.000	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.800	0.815	0.100	0.962	2.207	2.200	
	Item No. : 11 Transportation of earth Transportation charges							1.881	4.375	4.375	
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			12.300			12.300	28.950	4.250	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							10.086			
	Deduction of 315mm dia pipe										
	pipe area	1.00		0.785	11.800	0.315	0.315	0.92			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.96			
								1.88			
								Net Qty = A - B	8.21	21.26	
	MH8.4 TO MH8.5									24.45	
	CH44.15	576.790	575.710	575.610			1.180	1.275			
	CH52.60	576.990	575.720	575.620			1.370				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.450	0.815	1.275	6.702	35.690	4.375	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.050	0.815	0.100	0.575	3.199	1.775	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.124	6.250	7.380	
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			7.550			7.550	4.250	48.500	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.702			
	Deduction of 315mm dia pipe										
	pipe area	1.00		0.785	7.050	0.315	0.315	0.55			
	soling							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 Vencture)

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Masnatpur-02- dwcMeasu-300,250DWC(2)

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	PCC						0.00				
	Murum bedding						0.57				
							1.12				
		Net Qty = A - B						5.58	29.46	35.04	
	MH8.5 TO MH8.6										
	CH52.60	576.990	575.720	575.620		1.370	1.345				
	CH62.75	576.960	575.740	575.640		1.320					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.150	0.815	1.345	8.934	42.392	51.326	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.750	0.815	0.100	0.713	3.773	4.487	
	Item No. : 11 Transportation of earth Transportation charges							1.395	7.380	8.775	
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			9.250			9.250	48.800	58.050	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							8.934			
	Deduction of 315mm dia pipe										
	pipe area	1.00		0.785	8.750	0.315	0.315	0.68			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.71			
								1.39			
		Net Qty = A - B						7.54	35.04	42.58	
	MH8.6 TO MH8.7										
	CH62.75	576.960	575.740	575.640		1.320	1.325				
	CH74.95	577.000	575.770	575.670		1.330					
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			10.200	0.815	1.325	11.015	51.326	62.341	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.800	0.815	0.100	0.880	4.487	5.367	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.721	8.775	10.496	
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			11.300			11.300	58.050	69.350	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							11.015			
	Deduction of 315mm dia pipe										



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Name of work:- Development of Underground Sewerage Collection system for Zone No. 98 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.

Date	Particulars of work	DETAILS						Content of appears	Last measurement		Total upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	pipe area	1.00		0.785	10.800	0.315	0.315	0.84			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.88			
								1.72			
		Net Qty = A - B						8.29		42.58	50.87
	MASNATPUR-250mm DWC										
	DWC - 250mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.5=0.750m										
	For Lift 1.5 to 3.00m- 0.250+0.5+0.4=1.150m										
	For Lift 3.0 to 4.5m- 0.250+0.5+0.4+0.4=1.550m										
	MH8.14 TO MH8.14/1										
	CH0.00	577.925	576.745	576.645				1.280			
	CH12.45	577.805	576.895	576.795				1.010	1.145		
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.450	0.750	1.145	8.974		62.342	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.050	0.750	0.100	0.829		5.367	
	Item No. : 11 Transportation of earth Transportation charges							1.371		10.496	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			11.550			11.550		0.000	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							8.974			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	11.050	0.250	0.250	0.54			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.83			
								1.37			
		Net Qty = A - B						7.60		50.87	58.46
	MH8.14/1 TO MH8.14/2										
	CH12.45	577.805	576.895	576.795				1.010			
	CH22.95	578.075	577.055	576.955				1.120	1.065		
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			8.500	0.750	1.065	6.789		78.305	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.100	0.750	0.100	0.840		6.196	



Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Aji, 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 Vencture)

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

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Masnatpur-02- dwcMeasu-300,250DWC(2)

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						1.129		11.867	12.996	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			9.600		9.600		11.550	21.150	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						6.789				
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	9.100	0.250	0.250	0.45			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.68			
							1.13				
							5.66		59.48	65.14	
	MH8.14/2 TO MH8.14/3										
	CH22.95	578.075	577.055	576.955			1.120				
	CH31.50	578.285	577.325	577.225			1.060	1.090			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.550	0.750	1.090	5.355	78.104	83.459	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.150	0.750	0.100	0.536	6.878	7.414	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.887	12.996	13.883	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			7.650			7.650	21.150	28.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						5.355				
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	7.150	0.250	0.250	0.35			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.54			
							0.89				
							4.47		65.14	69.60	



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Name of work:- Development of Underground Sewerage Collection system for Zone No. 98 and Zone Salim Ali, Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Sudharn 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 as STP for Aurangabad City.

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

Date	Particulars of work	DETAILS						Content of meters	Last measurement		Total Qty Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	MH8.14/3 TO MH8.14/4										
	CH31.50	578.285	577.325	577.225			1.060	1.045			
	CH40.40	578.515	577.585	577.485			1.030				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.900	0.750	1.045	5.408			
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.500	0.750	0.100	0.563			
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated							0.930			
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.000			8.000			
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.408			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	7.500	0.250	0.250	0.37			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.56			
								0.93			
								4.48			
									69.60	74.36	
	MH8.14/4 TO MH8.14/5										
	CH40.40	578.515	577.585	577.485			1.030	0.870			
	CH47.40	578.425	577.815	577.715			0.710				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.000	0.750	0.870	3.262			
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.600	0.750	0.100	0.420			
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated							0.596			
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			6.100			6.100			
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.262			
	Deduction of 200mm 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 Nakshrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :- 63
Page No. :-

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

Authority No. AMC/Ward B&C/UIDSSM1/2014/184 Date 01.07.2014

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Masnatpur-02- dwcMeasu-300,250DWC(2)

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	5.600	0.200	0.200	0.18			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							0.42			
								0.60			
		Net Qty = A - B							2.67	74.08	76.75
	MH9 TO MH9.1	Branch Line From MH-9-250mm DWC									
	CH0.00	577.085	575.825	575.725			1.360	1.500			
	CH5.80	577.425	575.885	575.785			1.640				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.800	0.750	1.500	5.400	92.129	97.529	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.100	0.750	0.100	0.383	8.397	8.779	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.633	15.409	16.042	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			5.600			5.600	36.800	42.400	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.400			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	5.100	0.250	0.250	0.25			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							0.38			
								0.63			
		Net Qty = A - B							4.77	76.75	81.52
	MH9.1 TO MH9.2										
	CH5.80	577.425	575.885	575.785			1.640	1.500			
	CH15.35	577.305	576.045	575.945			1.360				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.550	0.750	1.500	8.494	97.529	106.023	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.150	0.750	0.100	0.611	8.779	9.391	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.011	16.042	17.053	



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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 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.

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

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

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Masatpur-02-dwcMeasu-300,250DW(2)

Date	Particulars of work	DETAILS						Content of appears	Last measurement		Total Qty Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.650			8.650	42.400	51.050	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						8.494				
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	8.150	0.250	0.250	0.40			
	soling							0.00			
	PCC							0.00			
	Murram bedding							0.61			
								1.01			
								7.48	81.52	89.00	
	Net Qty = A - B										
	MH9.2 TO MH9.3										
	CH15.35	577.305	576.045	575.945			1.360				
	CH25.00	577.325	576.285	576.185			1.140	1.250			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.650	0.750	1.250	7.172	106.023	113.195	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.250	0.750	0.100	0.619	9.391	10.010	
	Item No. : 11 Transportation of earth Transportation charges							1.024	17.053	18.077	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.750			8.750	51.050	59.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						7.172				
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	8.250	0.250	0.250	0.40			
	soling							0.00			
	PCC							0.00			
	Murram bedding							0.62			
								1.02			
								6.15	89.00	95.15	
	Net Qty = A - B										
	MH9.3 TO MH9.4										
	CH25.00	577.325	576.285	576.185			1.140	1.100			
	CH34.55	577.325	576.345	576.245			1.080				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.550	0.750	1.100	6.285	113.195	119.480	



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Name of work:- Development of Underground Sewerage Collection system for Zone 1 to 10 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. 057
Page No. 11

M/S. J. S. Construction Pvt. Ltd. & GECPL (Joint Venture)

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	1			8.900	0.750	0.100	0.668		11.247	11.247	
	Item No. : 11 Transportation of earth Transportation charges							1.104		20.124	21.224	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			9.400			9.400		77.300	86.700	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							6.163				
	Deduction of 250mm dia pipe											
	pipe area	1.00		0.785	8.900	0.250	0.250	0.44				
	soling							0.00				
	PCC							0.00				
	Murum bedding							0.67				
								1.10				
								Net Qty = A - B		5.06	105.49	111.55
	MH9.6 TO MH9.7											
	CH54.60	577.295	576.435	576.335			0.960					
	CH63.85	577.245	576.465	576.365			0.880	0.920				
	Item No. 1 :- Excavation for foundation/pipe trenches in											
	(a) For Lift 0 to 1.5m	1			7.250	0.750	0.920	5.003		131.746	136.749	
	(b) For Lift 1.5 to 3m	1			7.250	0.750	0.000	0.000		0.029	136.778	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.850	0.750	0.100	0.589		11.914	148.692	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.974		21.228	170.000	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1								6.100	176.100	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			8.350			8.350		86.700	262.800	
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia									69.350	332.150	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							5.003				
	Deduction of 250mm dia pipe											
	pipe area	1.00		0.785	7.850	0.250	0.250	0.39				
	soling							0.00				
	PCC							0.00				
	Murum bedding							0.39				
								0.97				
								Net Qty = A - B		4.03	110.55	214.58



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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. :- 073
Page No. :-

9th RA BILL MEASUREMENTS SW PIPE MASNATUR-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 - 250 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.02+0.02+0.5=0.79m										
	For Lift 1.5 to 3.00m- 0.250+0.02+0.02+0.5+0.4=1.19 m										
	For Lift 3.0 to 4.5m- 0.250+0.5+0.02+0.02+0.4+0.4= 1.59m										
	MH8.7 TO MH8.8	Part-II									
	CH0.00	577.000	575.770	575.670			1.330	1.373			
	CH15.35	577.195	575.880	575.780			1.415				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.350	0.790	1.373	14.475	0.000	14.475	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.950	0.790	0.100	1.102	0.000	1.102	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.900	0.000	1.900	
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			14.450			14.450	0.000	14.450	
	Item No. 30 :- Refilling the excavated trenches --										
	Total Excavation=							14.475			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	13.950	0.270	0.270	0.80			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.10			
								1.90			
		Net Qty = A - B						12.57	0.00	12.57	
	MH8.8 TO MH8.9										
	CH15.35	577.195	575.880	575.780			1.415	1.418			
	CH24.20	577.275	575.955	575.855			1.420				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.850	0.790	1.418	7.671	14.475	22.146	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.450	0.790	0.100	0.589	1.102	1.691	



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

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

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

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						1.015		1.900	2.915	
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			7.950		7.950		14.450	22.400	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						7.671				
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	7.450	0.270	0.270	0.43			
	soling							0.00			
	PCC							0.00			
	Murram bedding							0.59			
							1.01				
							6.66		12.57	19.23	
	Net Qty = A - B										
	MH8.9 TO MH8.10										
	CH24.20	577.275	575.955	575.855			1.420	1.390			
	CH37.00	577.405	576.145	576.045			1.360				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.800	0.790	1.390	11.859	22.146	34.005	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			11.400	0.790	0.100	0.901	1.691	2.591	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.553	2.915	4.468	
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			11.900			11.900	22.400	34.300	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							11.859			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	11.400	0.270	0.270	0.65			
	soling							0.00			
	PCC							0.00			
	Murram bedding							0.90			
								1.55			
								10.31	23.23	29.54	
	Net Qty = A - B										
	MH8.10 TO MH8.11										
	CH37.00	577.405	576.145	576.045			1.360	1.365			
	CH44.60	577.485	576.175	576.075			1.400				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.400	0.790	1.390	11.859	34.005	48.135	



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

Book No. :- 074
Page No. :-

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							0.00			
	PCC							0.00			
	Murram bedding							0.62			
								1.08			
		Net Qty = A - B						6.91		47.60	54.51
	MH8.14 TO MH8.15										
	CH70.35	577.925	576.745	576.645			1.280	1.237			
	CH79.55	578.160	577.065	576.965			1.195				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.200	0.790	1.237	7.039		62.728	69.767
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.800	0.790	0.100	0.616		4.783	5.400
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.063		8.249	9.311
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			8.300			8.300		64.050	72.350
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							7.039			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	7.800	0.270	0.270	0.45			
	soling							0.00			
	PCC							0.00			
	Murram bedding							0.62			
								1.06			
		Net Qty = A - B						5.98		54.51	60.48
	MH8.15 TO MH8.16										
	CH79.55	578.160	577.065	576.965			1.195	1.168			
	CH94.55	578.335	577.295	577.195			1.140				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.000	0.790	1.168	11.990		69.767	81.757
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.600	0.790	0.100	1.074		5.400	6.474
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.853		9.311	11.164
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			14.100			14.100		72.350	86.450
	Item No. 30 :- Refilling the excavated trenches ...										



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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. > 075
Page No. >

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

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Total Excavation=-										
							11.990				
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	13.600	0.270	0.78				
	soling						0.00				
	PCC						0.00				
	Murum bedding						1.07				
							1.85				
		Net Qty = A - B						10.14	60.48	70.62	
	MH8.16 TO MH8.17										
	CH94.55	578.335	577.295	577.195			1.140				
	CH102.30	577.875	577.340	577.240			0.635	0.888			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.750	0.790	0.888	4.031	81.757	85.789	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.350	0.790	0.100	0.502	6.474	6.976	
	Item No. : 11 Transportation of earth Transportation charges							0.865	11.164	12.029	
	Extra Item :- Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			6.850			6.850	86.450	93.300	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							4.031			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	6.350	0.270	0.270	0.36			
	soling						0.00				
	PCC						0.00				
	Murum bedding						0.50				
							0.87				
		Net Qty = A - B						3.17	70.62	73.79	
	MH8.17 TO MH8.18										
	CH102.30	577.875	577.340	577.240			0.635	0.738			
	CH109.80	578.125	577.385	577.285			0.840				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.500	0.790	0.738	3.204	85.790	88.993	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.100	0.790	0.100	0.402	86.192	7.458	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.865	12.029	12.893	



Name of work:- Development of Underground Sewerage Collection system for Zone 1 to 4 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.

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

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

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Masnapur-02- dwdMeasure 250 SWG.

Date	Particulars of work	DETAILS					Content of meters	Last measurement		Total Up to 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			7.600	0.790	0.100	0.600	7.955	8.556	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.035	13.718	14.753	
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			8.100			8.100	106.700	114.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.756			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	7.600	0.270	0.270	0.43			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.60			
								1.04			
								3.72	79.13	82.85	
	Net Qty = A - B										
	MH8.17 TO MH8.17/1										
	CH0.00	577.875	577.340	577.240			0.635	0.868			
	CH8.60	578.425	577.425	577.325			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.600	0.790	0.868	5.208	97.576	102.783	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.900	0.790	0.100	0.624	8.556	9.180	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.076	14.753	15.830	
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			8.400			8.400	114.800	123.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.208			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	7.900	0.270	0.270	0.45			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.60			
								1.05			
								4.13	82.85	86.98	
	Net Qty = A - B										



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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 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.

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

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Masatpur-02-dwcMeasure 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							
	Murram bedding							0.73			
								1.25			
		Net Qty = A - B						1.78		90.07	97.85
	MH8.12/1 TO MH8.12/2										
	CH10.60	577.425	576.385	576.285			1.140	1.075			
	CH17.70	577.575	576.665	576.565			1.010				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			5.100	0.790	1.075	4.331	115.672	120.003	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.700	0.790	0.100	0.450	10.349	10.799	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.776	17.846	18.622	
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			6.200			6.200	139.000	145.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.331			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	5.700	0.270	0.270	0.33			
	soling							0.00			
	PCC							0.00			
	Murram bedding							0.45			
								0.78			
		Net Qty = A - B						3.55		97.85	101.41
	MH8.12/2 TO MH8.12/3										
	CH17.70	577.575	576.665	576.565			1.010	1.040			
	CH25.60	577.805	576.835	576.735			1.070				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc										
	(a) For Lift 0 to 1.5m	1			5.900	0.790	1.040	4.847	120.003	124.851	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			6.500	0.790	0.100	0.514	10.799	11.313	
	Item No. : 11 Transportation of earth Transportation charges							0.885	18.622	19.508	
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			7.000			7.000	145.200	152.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.347			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	6.500	0.270	0.270	0.37			
	soling							0.00			
	PCC							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.

Book No. :- 080

Page No. :-

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

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Masnatpur-02- dwcMeasure 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							
	Murram bedding						0.51				
							0.89				
		Net Qty = A - B					3.96		101.41	105.37	
	MH8.12/3 TO MH8.12/4										
	CH25.60	577.805	576.835	576.735							
	CH35.85	578.025	577.175	577.075		1.070	1.010				
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			8.250	0.790	1.010	6.583	124.851	131.433	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			8.850	0.790	0.100	0.699	11.313	12.012	
	Item No. : 11 Transportation of earth Transportation charges							1.206	19.508	20.713	
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			9.350			9.350	152.200	161.550	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.583			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	8.850	0.270	0.270	0.51			
	soling							0.00			
	PCC							0.00			
	Murram bedding							0.70			
								1.21			
		Net Qty = A - B					5.38		105.37	110.75	
	MH8.12/4 TO MH8.12/5										
	CH35.85	578.025	577.175	577.075							
	CH48.40	577.965	577.435	577.335		0.950	0.790				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			10.550	0.790	0.790	6.584	131.433	138.018	
	(b) For Lift 1.5m to 3.0m	1			10.550	0.790	0.000	0.000	0.028	0.028	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			11.150	0.790	0.100	0.881	12.012	12.893	
	Item No. : 11 Transportation of earth Transportation charges							1.519	20.713	22.232	
	Extra Item :-Lowering & Laying of Polyethylene SW pipe of 250mm Dia	1			11.650			11.650	161.550	173.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.584			
	Deduction of 250mm dia SW pipe										
	pipe area	1.00		0.785	11.150	0.270	0.270	0.64			
	soling							0.00			
	PCC							0.00			
	Murram bedding							0.88			
								1.52			
		Net Qty = A - B					5.07		110.75	115.81	



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

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

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

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Masnatur-02- dwoChamber Measurement

9th RA BILL MEASUREMENTS OF CHAMBERS MASNATUR-02

Date	Particulars of work	DETAILS						Content of meters	Last measurement		Total Up to Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	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										
	MSP1	Part-I									
	CH5.55	577.425	575.805	575.555			1.870				
	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	1.500	4.710	0.000	4.710	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.370	1.162	0.000	1.162	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.189	0.000	2.189	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.872			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.620	1.71			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							2.19			
		Net Qty = A - B							3.68	0.00	3.68
	MSP2										
	CH15.50	577.345	575.930	575.680			1.665				
	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	1.500	4.710	4.710	9.420	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.165	0.518	1.162	1.680	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.972	2.189	4.161	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.224			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.415	1.49			
	soling							1.00			
	PCC	1.00		0.785	1.56	1.56	0.25	1.48			
	Murrum bedding							1.00			
	Total (B)							1.47			
		Net Qty = A - B							3.24	3.68	6.92



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