

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. :- 083

Page 1 of 8

Shatabdi nagar-300 dwc-CHEMBER Measurement

9th R A BILL MEASUREMENTS DWC CHEMBER SHATABDI 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							
	DWC - 315mm Dia										
	Excavation of Chamber - For 0.9 mt. Dia of chamber up to Depth of 1.5mt.- 0.9+0.5+0.3+0.3=2.0m										
	Area for chamber up to Depth of 2m= 2 * 2=4m										
	SN2										
	CH0.00	582.530	581.180	580.930			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	0.350	1.099	0.000	1.099	
	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	1.000	3.140	0.000	3.140	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.100	0.314	0.000	0.314	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.000	0.471	
	Item No. : 11 Transportation of earth Transportation charges							1.904	0.000	1.904	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						5.024				
	Deduction										
	Brick work	1.00			0.785	1.16	1.16	1.350	1.43		
	soling								0.00		
	PCC	1.00			0.785	1.56	1.56	0.25	0.48		
	Murrum bedding								0.00		
	Total (B)							1.90			
								3.12	0.00	3.12	
	SN3										
	CH7.10	582.660	581.430	581.180			1.480				
	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	0.350	1.099	1.099	2.198	
	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	0.980	3.077	3.140	6.217	



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. :- 086
Page No. :-

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

Page 4 of 8

Shatabdi nagar-300 dwc-CHEMBER Measurment

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	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							2.16			
		Net Qty = A - B									
	SN7										
	CH47.25	583.710	582.430	582.180			1.530				
	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	0.400	1.256	6.437	7.693	
	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	0.950	2.983	14.111	17.094	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.030	0.094	1.382	1.476	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	2.669	3.140	
	Item No. : 11 Transportation of earth Transportation charges							1.830	9.343	11.172	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.804			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.280	1.35			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.83			
		Net Qty = A - B									
	SN8										
	CH57.75	584.010	582.600	582.350			1.660				
	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	0.400	1.256	7.693	8.949	
	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	1.100	3.454	17.094	20.548	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.160	0.502	1.476	1.978	
	Item No. : 11 Transportation of earth Transportation							1.967	11.172	13.139	



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)

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Shatabdi nagar-300 dwc-CHEMBER 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. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						5.212				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.410	1.49			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.97			
				Net Qty = A - B				3.25	18.23	21.48	
	SN9										
	CH67.95	583.920	582.990	582.740			1.180				
	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	0.400	1.256	8.949	10.205	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.000	0.000	0.000	0.000	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.630	1.978	20.548	22.526	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.000	0.000	1.978	1.978	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	3.140	3.611	
	Item No. : 11 Transportation of earth Transportation charges							1.460	13.139	14.599	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.705				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.930	0.98			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.46			
				Net Qty = A - B				2.25	21.48	23.72	
	SN10										
	CH79.65	584.260	582.990	582.740			1.520				
	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	0.400	1.256	10.205	11.461	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										



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

Book No. :-
Page No. :-

08

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

Page 6 of 8

Shatabdi nagar-300 dwc-CHEMBER 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							
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.950	2.983		22.526	25.509
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.020	0.063		1.978	2.041
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		3.611	4.082
	Item No. : 11 Transportation of earth Transportation charges							1.819		14.599	16.418
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.773			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.270	1.34			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.82			
	Net Qty = A - B							2.95		23.72	26.68
	SN11										
	CH89.65	584.200	583.200	582.950			1.250				
	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	0.400	1.256		11.461	12.717
	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	0.700	2.198		25.509	27.707
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		4.082	4.553
	Item No. : 11 Transportation of earth Transportation charges							1.534		16.418	17.952
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.925			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.000	1.06			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.53			
	Net Qty = A - B							2.39		26.68	29.07



Contractor: M/s. Khilari Infrastructure Pvt Ltd & GECPL (Joint Venture)

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Shatabdi nagar-300 dwc-CHEMBER 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							
	SN12										
	CH94.65	584.270	583.220	582.970			1.300				
	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	0.400	1.256	12.717	13.973	
	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	0.750	2.355	27.707	30.062	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	4.553	5.024	
	Item No. : 11 Transportation of earth Transportation charges							1.587	17.952	19.539	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.082			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.050	1.11			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.59			
								Net Qty = A - B			
	SN13							2.50	29.07	31.56	
	CH98.90	584.270	583.400	583.150			1.120				
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.400	1.256	13.973	15.229	
	Item No. 2 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.570	1.790	30.062	31.852	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	5.024	5.495	
	Item No. : 11 Transportation of earth Transportation charges							1.397	19.539	20.935	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.517			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.870	0.92			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			



**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, Zafta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zafta, 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. :-

07

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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Shatabdi nagar-300 dwc-CHEMBER 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							
	Murum bedding						0.00				
	Total (B)						1.40				
		Net Qty = A - B					2.12		31.56	33.68	
	SN14										
	CH118.50	584.272	583.590	583.340			0.932				
	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	0.500	1.570	15.229	16.799	
	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	0.432	1.356	31.852	33.209	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.000	0.000	2.041	2.041	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.000	0.000	5.495	5.495	
	Item No. : 11 Transportation of earth Transportation charges							1.198	20.935	22.133	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						2.926				
	Deduction										
	Brick work	1.00			0.785	1.16	1.16	0.682	0.72		
	soling							0.00			
	PCC	1.00			0.785	1.56	1.56	0.25	0.48		
	Murum bedding							0.00			
	Total (B)						1.20				
		Net Qty = A - B					1.73		33.68	35.41	





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. :- 091
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

Page 1 of 1

Shatabdi nagar-300 dwc-CHEMBER

9th R A BILL MEASURMENTS CHEMBER DETAILS SHATABDI NAGAR

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 For per 30 cm	Total Rebate Qty for 30 cm	
		No					
		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	SHATABDI NAGAR						
1	SN2	582.530	581.180	1.350	1.5	-0.150	
2	SN3	582.660	581.430	1.230	1.5	-0.270	
3	SN4	582.980	581.766	1.214	1.5	-0.286	
4	SN5	583.310	582.110	1.200	1.5	-0.300	
5	SN6	583.730	582.140	1.590	1.5	0.090	
6	SN7	583.710	582.430	1.280	1.5	-0.220	
7	SN8	584.010	582.600	1.410	1.5	-0.090	
8	SN9	583.920	582.990	0.930	1.5	-0.570	
9	SN10	584.260	582.990	1.270	1.5	-0.230	
10	SN11	584.200	583.200	1.000	1.5	-0.500	
11	SN12	584.270	583.220	1.050	1.5	-0.450	
12	SN13	584.270	583.400	0.870	1.5	-0.630	
13	SN14	584.272	583.590	0.682	1.5	-0.818	
Total						-4.424	-14.747





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

Book No. :- 092
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

Date of Measurement	
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Shatabdi nagar-300 dwc-Qty Abstract

QUANTITY ABSTRACT RA 9th

SHATABDI NAGAR

Discription	MB/PG	ITEM 1		ITEM 2		ITEM 4		ITEM 7		ITEM 11		ITEM 12		ITEM 13		ITEM 30		ITEM 35		Extra Item 2		Extra Item 2.a Rebate	
		0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0	315mm	315mm	315mm	315mm	315mm	315mm	315mm	315mm	0-1.5 m	RR 1420				
For Pipe		32.576	54.168	0.190	0.190	9.016	8.289	16.210	107.700	107.700	107.700	107.700	0.107										
For Manhole		16.799	33.209	2.041	2.041	5.495	22.133	35.410										12.000	1.000			-14.747	
Total		49.375	87.377	2.231	14.511	14.511	8.289	38.344	107.700	107.700	107.700	107.700	0.107				115.149	12.000	1.000			-14.747	



PMC

CLIENT

Signature

Project Engineer

Project Manager

Jr. Engineer

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

M/s. Khilari Infrastructures Pvt. Ltd. & GECPL (Joint Venture)

9th R A BILL MEASUREMENTS

SAHARA HOTEL BACK SIDE (KATKAT GATE)

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-At Sahara Hotel Back Side										
	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+0.40=1.27m										
	From Bottom Lift 3.00m-4.50m- 0.25+0.06+0.06+0.5+0.40+0.40 = 1.67m										
	KS0(old) to KS1										
	CH0.00	580.568	579.168	578.968			1.60				
	CH7.95	580.348	579.348	579.148			1.20	1.400			
	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			6.950	0.870	1.100	6.651	0.000	6.651	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.950	0.870	0.150	0.907	0.000	0.907	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.950	0.870	0.150	0.907	0.000	0.907	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			6.950	0.870	0.200	1.209	0.000	1.209	
	Item No. 11 Transportation of earth Transportation charges including							1.734	0.000	1.734	
	Extra Item No.9.4 :- Lowering & Laying RCC NPS class pipe of 250mm Dia	1			7.500			7.500	0.000	7.500	
	Item No. 30 :- Refilling the excavated trenches										
	Total Excavation = A							8.965			
	Deduction										
	pipe area	1		0.750	6.950	0.200	0.200	0.524			
	soiling							0.000			
	PCC							0.000			
	Murum bedding							1.209			
	Total = B							0.734			
								8.232	0.000	6.732	
	KS1 to KS2										
	CH7.95	580.348	579.348	579.148			1.20	1.200			
	CH18.85	580.348	579.348	579.148			1.20	1.200			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	3			20.850	0.870	0.340	16.543	6.651	13.194	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	3			20.850	0.870	0.150	2.068	0.907	2.068	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	3			20.850	0.870	0.150	2.161	0.907	2.068	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	3			20.850	0.870	0.200	1.549	1.209	2.758	



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. :-

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

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Sahara Hotel Back side(katkat Gate). Measurement-250mm-MB

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE
		No			L	B		D	Page	
		GL	IL	EX.L						
	Item No. : 11 Transportation of earth Transportation charges including						2.220		1.734	3.954
	Extra Item No.9.4 :-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			10.000		10.000		7.500	17.500
	Item No 30 :- Refilling the excavated trenches									
	Total Excavation = A						8.866			
	Deduction									
	pipe area	1		0.785	8.900	0.310	0.310	0.671		
	soiling							0.000		
	PCC							0.000		
	Murum bedding							1.549		
	Total = B						2.220			
							6.646		6.732	13.377
	KS2 to KS3									
	CH18.85	580.238	579.348	579.148			1.09	0.970		
	CH29.75	579.998	579.348	579.148			0.85			
	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	0.670	5.188	13.194	18.382
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.									
	(a) For Lift 0 to 1.5m	1			8.900	0.870	0.150	1.161	2.068	3.230
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock									
	(a) For Lift 0 to 1.5m	1			8.900	0.870	0.150	1.161	2.068	3.230
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.900	0.870	0.200	1.549	2.758	4.307
	Item No. : 11 Transportation of earth Transportation charges including						2.220		3.954	6.174
	Extra Item No.9.4 :-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			10.000		10.000		17.500	27.500
	Item No 30 :- Refilling the excavated trenches									
	Total Excavation = A						7.511			
	Deduction									
	pipe area	1		0.785	8.900	0.310	0.310	0.671		
	soiling							0.000		
	PCC							0.000		
	Murum bedding							1.549		
	Total = B						2.220			
							5.291		13.377	18.668
	KS3 to KS4									
	CH29.75	579.998	579.348	579.148			0.85	0.800		
	CH35.65	579.898	579.348	579.148			0.75			
	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			3.900	0.870	0.500	1.697	18.382	20.078
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.									
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.150	0.509	3.230	3.739
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock									
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.150	0.509	3.230	3.739



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 & GECPI (Joint Venture)

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Sahara Hotel Back side(katkat Gate), Measurement-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							
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			3.900	0.870	0.200	0.679		4.307	4.985
	Item No. : 11 Transportation of earth Transportation charges including							0.973		6.174	7.146
	Extra Item No.9.4 :-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			5.000			5.000		27.500	32.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							2.714			
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.679			
	Total = B							0.973			
				Net Qty = A - B				1.742		18.668	20.410
	KS4 to KS5										
	CH35.65	579.898	579.348	579.148			0.75	0.740			
	CH41.55	579.878	579.348	579.148			0.73				
	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			3.900	0.870	0.440	1.493		20.078	21.571
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.150	0.509		3.739	4.248
	Item No. 4 - Excavation for foundation/pipe trenches in soft rock										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.150	0.509		3.739	4.248
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			3.900	0.870	0.200	0.679		4.985	5.664
	Item No. : 11 Transportation of earth Transportation charges including							0.973		7.146	8.119
	Extra Item No.9.4 :-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			5.000			5.000		32.500	37.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							2.511			
	Deduction										
	pipe area	1		0.785	3.900	0.310	0.310	0.294			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.679			
	Total = B							0.973			
				Net Qty = A - B				1.538		20.410	21.948
	KS5 to KS6										
	CH41.55	579.878	579.348	579.148			0.73	0.715			
	CH47.45	579.818	579.418	579.218			0.70				
	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			3.900	0.870	0.415	1.408		21.571	22.979
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.900	0.870	0.150	0.509		4.248	4.757
	Item No. 4 - Excavation for foundation/pipe trenches in soft rock										



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. :- 097
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

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Sahara Hotel Back side(katkat Gate) Measurement-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							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. (a) For Lift 0 to 1.5m	1			3.300	0.750	0.590	1.460		26.497	27.957
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			3.300	0.750	0.150	0.371		5.752	6.124
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			3.300	0.750	0.150	0.371		5.752	6.124
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			3.900	0.750	0.100	0.293		7.051	7.344
	Item No. : 11 Transportation of earth Transportation charges							0.484		10.264	10.748
	Extra Item No.9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1								42.500	42.500
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			4.400			4.400		9.950	14.350
	Item No. 30 :- Refilling the excavated trenches ..							2.203			
	Total Excavation=										
	Deduction of 250mm dia pipe	1.00		0.785	3.900	0.250	0.250	0.191			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.293			
								0.484			
								1.719		27.737	29.456
	Item No:35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.040						0.040



Name of work:- Development of Underground Sewerage Connection 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.

Page No. :-

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

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Sahara Hotel Back side(katkat Gate), Chember Meas

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	Total (B)						1.42			
							2.16		2.39	4.55
	Net Qty = A - B									
	KS3									
	CH29.75	579.998	579.348	579.098			0.900			
	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	0.600	1.884	5.621	7.505
	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	0.942	1.413
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock 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							1.164	2.952	4.116
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						2.826			
	Deduction									
	Brick work	1.00		0.785	1.16	1.16	0.650	0.69		
	soling							0.00		
	PCC	1.00		0.785	1.56	1.56	0.25	0.48		
	Murrum bedding							0.00		
	Total (B)						1.16			
	Net Qty = A - B						1.66		4.55	6.21
	KS4									
	CH35.65	579.898	579.348	579.098			0.800			
	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	0.500	1.570	7.505	9.075
	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	1.413	1.884
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock 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							1.059	4.116	5.174
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						2.512			
	Deduction									
	Brick work	1.00		0.785	1.16	1.16	0.550	0.58		
	soling							0.00		
	PCC	1.00		0.785	1.56	1.56	0.25	0.48		
	Murrum bedding							0.00		
	Total (B)						1.06			
	Net Qty = A - B						1.45		6.21	7.67
	KS5									



Name of work:- Construction of Underground Sewerage Collection system for Zone I to VI
 and the work of Constructing, Erecting, Testing and Commissioning of Sewage Treatment
 Plant using technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth
 Garden, 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
 from Banewadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to
 STP in Akaraghad City.

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

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

Sahara Hotel Back side(katkat Gate). Chamber Meas

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B		D	Page	
		GL	IL	EX.L						
	CH41.55	579.878	579.348	579.098			0.780			
	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	0.480	1.507	9.075	10.582
	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. 4 :- Excavation for foundation/pipe trenches in soft rock 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							1.037	5.174	6.212
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						2.449			
	Deduction									
	Brick work	1.00		0.785	1.16	1.16	0.530	0.56		
	soling							0.00		
	PCC	1.00		0.785	1.56	1.56	0.25	0.48		
	Murrum bedding							0.00		
	Total (B)						1.04			
					Net Qty = A - B		1.41	7.67	9.08	
	KS6									
	CH47.45	579.918	579.418	579.168			0.750			
	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	0.450	1.413	10.582	11.995
	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. 4 :- Excavation for foundation/pipe trenches in soft rock 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							1.006	6.212	7.218
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						2.355			
	Deduction									
	Brick work	1.00		0.785	1.16	1.16	0.500	0.53		
	soling							0.00		
	PCC	1.00		0.785	1.56	1.56	0.25	0.48		
	Murrum bedding							0.00		
	Total (B)						1.01			
					Net Qty = A - B		1.35	9.08	10.43	
	KS3.1									
	CH40.60	580.218	579.408	579.158			1.060			



Name of Work: Development 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

Date of Measurement

Sahara Hotel Back side(katkat Gate), Quantity Node Abstract

9th R A BILL MEASUREMENTS

Branch Of Sewer SAHARA HOTEL BACK SIDE(KATKAT GATE)

SR NO	Description	MB/PG	ITEM 1	ITEM 2	ITEM 4	ITEM 7	ITEM 11	ITEM 13	ITEM 30	ITEM 35	EIRL 2	EIRL 2.a	EIRL 9.4
			0-1.5	0-1.5	0-1.5		250mm		Full Rate	Rebate	250mm RCC Pipes	8.000	(21.000)
1	For Pipe		27.957	6.124	6.124	7.344	10.748	14.350	29.450	0.040			
2	For Manhole		16.642	3.768	3.768		9.842		14.330		8.000	(21.000)	
	Total		44.599	9.892	9.892	7.344	20.590	14.350	43.793	0.040	8.000	(21.000)	42.500

CLIENT

Ex. Engineer

Dy. Engineer

Dy. Engineer



up to te

Name of work:- Detection, Dewatering, Excavation, 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)

Buddi Line Side Measurement sheet

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 complete.(bedding)	1			4.1	0.750	0.100	0.308		0.870	1.178
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.509		1.439	1.948
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			4.60			4.600		13.700	18.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.839			
	Deduction of 250mm dia pipe pipe area	1.00		0.785	4.10	0.250	0.250	0.20			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.31			
								0.51			
								3.33		9.29	12.62
	Net Qty = A - B										
	BL04 TO BL 05										
	CH21.30	569.503	568.213	568.113			1.390	1.375			
	CH23.30	569.563	568.303	568.203			1.360				
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			0.0	0.750	1.025	0.000		11.003	11.003
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			0.0	0.750	0.250	0.000		2.494	2.494
	Item No. 4 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			0.0	0.750	0.100	0.000		0.998	0.998
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			0.6	0.750	0.100	0.045		1.178	1.223
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.074		1.948	2.022
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			1.10			1.100		18.300	19.400
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.000			
	Deduction of 250mm dia pipe pipe area	1.00		0.785	0.60	0.250	0.250	0.03			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.05			
								0.07			
								0.00		12.62	12.62
	Net Qty = A - B										
	BL05 TO BL 06										
	CH23.30	569.563	568.303	568.203			1.360	1.330			
	CH27.50	569.633	568.433	568.333			1.300				



Buddi Line Side Measurement sheet

D.	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			2.2	0.750	0.980	1.617		11.003	12.620
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			2.2	0.750	0.250	0.413		2.494	2.906
	Item No. 4 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			2.2	0.750	0.100	0.165		0.998	1.163
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			2.8	0.750	0.100	0.210		1.223	1.433
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.347		2.022	2.370
	Item No. 13 :- (c) Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			3.30			3.300		19.400	22.700
	Item No. 30 :- Refilling the excavated trenches ...							2.195			
	Total Excavation=										
	Deduction of 250mm dia pipe pipe area	1.00		0.785	2.80	0.250	0.250	0.14			
	soling							0.00			
	PCC							0.21			
	Murrum bedding							0.35			
								1.85		12.62	14.47
	Net Qty = A - B										
	BL06 TO BL 07										
	CH27.50	569.633	568.433	568.333			1.300	1.280			
	CH32.20	569.853	568.693	568.593			1.260				
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			2.7	0.750	0.930	1.883		12.620	14.503
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			2.7	0.750	0.250	0.506		2.906	3.413
	Item No. 4 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			2.7	0.750	0.100	0.203		1.163	1.365
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			3.3	0.750	0.100	0.248		1.433	1.680
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.409		2.370	2.779
	Item No. 13 :- (c) Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			3.80			3.800		22.700	26.500
	Item No. 30 :- Refilling the excavated trenches ...							2.592			
	Total Excavation=										



Name of Work:- 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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Buddi Line Side Measurement sheet

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Uptc Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	pipe area	1.00		0.785	3.30	0.250	0.250	0.16			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.25			
								0.41			
								2.18	14.47	16.65	
	BL07 TO BL 08										
	CH32.20	569.853	568.693	568.593			1.260	1.215			
	CH37.90	569.933	568.863	568.763			1.170				
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			3.7	0.750	0.865	2.400	14.503	16.904	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			3.7	0.750	0.250	0.694	3.413	4.106	
	Item No. 4 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			3.7	0.750	0.100	0.278	1.365	1.643	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.3	0.750	0.100	0.323	1.680	2.003	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.533	2.779	3.312	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			4.80			4.800	26.500	31.300	
	Item No. 30 :- Refilling the excavated trenches -										
	Total Excavation=-							3.372			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	4.30	0.250	0.250	0.21			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.32			
								0.53			
								2.84	16.65	19.49	
	BL08 TO BL 09										
	CH37.90	569.933	568.863	568.763			1.170	1.150			
	CH43.40	570.043	568.973	568.873			1.130				
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			3.5	0.750	0.865	2.880	16.904	19.004	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			3.5	0.750	0.250	0.606	4.106	4.763	
	Item No. 4 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			3.5	0.750	0.100	0.263	1.643	1.905	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	-1			4.1	0.750	0.100	0.308	2.003	2.310	



... of Underground Sewerage Collection System for Zone ...
 ... based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth
 Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission
 of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward
 No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main
 G.P.D 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)

Buddi Line Side Measurement sheet

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. - 11 Transportation of earth Transportation charges including loading & unloading						0.509		3.312	3.821	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			4.60		4.600		31.300	35.900	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						3.019				
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	4.10	0.250	0.20				
	soiling						0.00				
	PCC						0.00				
	Murrum bedding						0.31				
							0.51				
							2.51		19.49	22.00	
	BL09 TO BL 10										
	CH43.40	570.093	569.063	568.963			1.130				
	CH49.70	570.133	569.263	569.163			0.970				
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			4.3	0.750	0.700	2.258		19.004	21.261
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			4.3	0.750	0.250	0.806		4.763	5.569
	Item No. 4 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			4.3	0.750	0.100	0.323		1.905	2.228
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.9	0.750	0.100	0.368		2.310	2.678
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.608		3.821	4.429
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			5.40			5.400		35.900	41.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.386			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	4.90	0.250	0.250	0.24			
	soiling						0.00				
	PCC						0.00				
	Murrum bedding						0.37				
							0.61				
							2.78		22.00	24.78	
	BL 10 TO BL 11										
	CH49.70	570.133	569.263	569.163			0.970				
	CH49.70	570.263	569.333	569.233			1.030				
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m				4.5	0.750	0.650	2.194		21.261	23.455



... of Underground Sewerage Collection System for ...
 ... based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Daba 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 GSP/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)

Buddi Line Side Measurement sheet

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EX.L							
	Murrum bedding						0.10				
							0.16				
							0.33	27.52	27.85		
							Net Qty = A - B				
	BL3 TO BL3.1										
	CHB.00	568.418	566.983	566.783			1.64	1.398			
	CHB.60	568.603	567.643	567.443			1.16				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.60	0.750	1.048	2.043	23.767	25.810	
	Item No. 2 :- Excavation for foundation/pipe trenches in hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.60	0.750	0.250	0.488	6.544	7.031	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.60	0.750	0.100	0.195	2.618	2.813	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			3.20	0.750	0.200	0.480	3.158	3.638	
	Item No. : 11 Transportation of earth Transportation charges							0.637	5.223	5.860	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia										
	(a) For Lift 0 to 1.5m	1			3.70			3.700	48.700	52.400	
	Item No 30 :- Refilling the excavated trenches ...							2.725			
	Total Excavation = A										
	Deduction										
	pipe area	1		0.785	3.20	0.250	0.250	0.157			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.480			
	Total = B							0.637			
								2.088	27.854	29.942	
								Net Qty = A - B			
	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										
	BL3.1 TO BL3.2										
	CHB.00	568.603	567.643	567.443			1.16	1.160			
	CHB.30	568.753	567.793	567.593			1.16				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.90	0.870	0.810	0.634	25.810	26.444	



Name of work:- Development of Underground Sewerage Collection System 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.

M. 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							
	(b) For Lift 1.5m to 3.0m	1			0.90	0.870	0.000	0.000		0.000	0.000
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.90	0.870	0.250	0.196		7.031	7.227
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.90	0.870	0.100	0.078		2.813	2.891
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.90	0.870	0.200	0.157		3.638	3.794
	Item No. : 11 Transportation of earth Transportation charges							0.224		5.860	6.085
	Extra Item No.9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			2.0			2.000		0.000	2.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							0.908			
	Deduction										
	pipe area	1		0.785	4.90	0.310	0.310	0.068			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.157			
	Total = B							0.224			
								0.684		29.942	30.626
	BL3.2 TO BL3.3										
	CH7.50	568.753	567.793	567.393				1.36		1.140	
	CH14.40	568.833	567.913	567.713				1.12			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.90	0.870	0.790	3.268		26.444	29.812
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.90	0.870	0.250	1.866		7.227	8.293
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.90	0.870	0.200	1.429		2.891	3.317
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.90	0.870	0.200	1.353		3.794	4.647
	Item No. : 11 Transportation of earth Transportation charges							0.222		6.085	7.307
	Extra Item No.9.4 :- Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			2.0			2.000		2.000	8.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							4.860			
	Deduction										
	pipe area	1		0.785	4.90	0.310	0.310	0.370			



... of underground sewerage collection system for Zone 1 & 2 ...
... Banewadi, Siddharth Garden, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commissioning of Sewage Treatment
... Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main
... 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)

Buddi Line Side Measurement sheet

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Soiling									0.000	
	PCC									0.000	
	Murum bedding									0.853	
	Total = B									1.222	
		Net Qty = A - B									3.638
										30.626	
										34.264	
	BL33 TO BL34										
	CRS4.40	568.833	567.913	567.713			1.12			1.115	
	CRS4.30	569.013	568.103	567.903			1.11				
	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			2.90	0.870	0.765			1.930	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.90	0.870	0.250			0.631	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.90	0.870	0.100			0.252	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.90	0.870	0.200			0.505	
	Item No. : 11 Transportation of earth Transportation charges									0.723	
	Extra Item No.9.4 :-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			4.0					4.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A									2.813	
	Deduction										
	pipe area	1		0.785	2.90	0.310	0.310			0.219	
	Soiling									0.000	
	PCC									0.000	
	Murum bedding									0.505	
	Total = B									0.723	
		Net Qty = A - B									2.090
										34.264	
										36.353	
	BL34 TO BL35										
	CRS4.30	569.013	568.103	567.903			1.11			1.155	
	CRS4.20	569.153	568.153	567.953			1.20				
	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			4.90	0.870	0.805			3.432	
	(b) For Lift 1.5m to 3.0m	1			4.90	0.870	0.000			0.000	
	Item No. 2:- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.90	0.870	0.250			1.066	
	Item No. 4:- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.90	0.870	0.100			0.426	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			4.90	0.870	0.100			0.426	



Name of work :- Development of Underground Sewerage Collection system for Zone I to VI and Zone VII. All Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main G.P. 150 pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :- 110
Page No. :-

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

Buddi Line Side Chamber Measurement

9th R A BILL MEASURMENTS DWC PIPE BUDDI LINE SIDE

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	Excavation of Chamber - For 0.9 dia chamber (upto 2.0m depth)-0.9+0.50+0.3+0.3=2m Area for chamber upto 2m-2*2=4m R/L C/R	568.003	566.413	566.163			1.840				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. (a) For Lift 0 to 1.5m (b) For Lift 1.5 to 3.0m	1			0.785	4.000	1.150	3.611	0.000	3.611	
	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	0.340	1.068	0.000	1.068	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785	0.000	0.785	
	Item No. : 11 Transportation of earth Transportation charges (a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.000	0.314	
	Item No. 30 :- Refilling the excavated trenches ... Total Excavation(A)=							5.778			
	Deduction Brick work Siling PCC Murrum bedding Total (B)	1.00		0.785	1.16	1.16	1.590	1.68	0.00	0.48	
	Net Qty = A - B							2.16	0.000	2.157	
	R/L C/R	568.023	566.603	566.353			1.670				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc (a) For Lift 0 to 1.5m (b) For Lift 1.5 to 3.0m	1			0.785	4.000	1.150	3.611	3.611	7.222	
	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	0.170	0.534	1.068	1.601	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785	0.785	1.570	
	Item No. : 11 Transportation of earth Transportation charges (a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.314	0.628	
	Item No. 30 :- Refilling the excavated trenches ... Total Excavation(A)=							1.98	2.157	4.135	
	Deduction Brick work Siling PCC Murrum bedding Total (B)										
	Net Qty = A - B							5.244			



Development of Underground Sewerage Collection system for Zone I to VI and Zone Safin St. 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. :- 118
Page No. :-

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

3

Buddi Line Side Chamber Measurement

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	Brick work	1.00		0.785	1.16	1.16	1.435	1.52			
	soiling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.99			
		Net Qty = A - B							3.30	9.84	13.14
	BL4										
	CH21.30	569.503	568.213	567.963			1.540				
	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	1.150	3.611	14.444	18.055	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.040	0.126	2.245	2.371	
	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	0.250	0.785	3.140	3.925	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	1.256	1.570	
	Item No. : 11 Transportation of earth Transportation charges							1.84	7.947	9.787	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.836			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.290	1.36			
	soiling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.84			
		Net Qty = A - B							3.00	13.14	16.13
	BL5										
	CH23.30	569.563	568.303	568.053			1.510				
	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	1.150	3.611	18.055	21.666	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.010	0.031	2.371	2.402	
	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	0.250	0.785	3.925	4.710	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	1.570	1.884	
	Item No. : 11 Transportation of earth Transportation charges							1.81	9.787	11.596	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.741			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.260	1.33			

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)

DRG/CHD/SMF/2014/184 Date: 01.07.2014

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Buddi Line Side Chamber Measurement

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	soling										
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.81			
	BL6										
	CH27.50	569.633	568.433	568.183			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			0.785	4.000	1.100	3.454	21.666	25.120	
	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	0.250	0.785	4.710	5.495	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	1.884	2.198	
	Item No. : 11 Transportation of earth Transportation charges							1.75	11.596	13.341	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.553			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.200	1.27			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.75			
	Net Qty = A - B							2.80	19.07	21.87	
	BL7										
	CH32.20	568.853	568.693	568.443			1.410				
	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	1.060	3.328	25.120	28.448	
	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	0.250	0.785	5.495	6.280	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	2.198	2.512	
	Item No. : 11 Transportation of earth Transportation charges							1.70	13.341	15.044	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.427			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.160	1.23			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.70			



Name of work:- Development of Underground Sewerage Collection system for Zone I to VI
 and Zone VII. At Constructing, Erecting, Testing and Commissioning of Sewage Treatment
 Plant using modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth
 Garden, Dab, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission
 of Sewerage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward
 No. 98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main
 GHT 30 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 & GFCPL (Joint Venture)

Buddi Line Side Chamber Measurement

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B		D	Page		Quantity
									Net Qty = A - B		
							2.72	21.87	24.60		
BL8											
CH37.90		569.933	568.863	568.613		1.320					
	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	0.970	3.046	28.448	31.494	
	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	0.250	0.785	6.280	7.065	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	2.512	2.826	
	Item No. : 11 Transportation of earth Transportation charges						1.61	15.044	16.652		
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.145				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.070	1.13			
	soiling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)						1.61				
							2.54	24.60	27.14		
BL9											
CH43.40		570.093	569.063	568.813		1.280					
	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	0.930	2.920	31.494	34.414	
	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	0.250	0.785	7.065	7.850	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	2.826	3.140	
	Item No. : 11 Transportation of earth Transportation charges						1.57	16.652	18.217		
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.019				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.030	1.09			
	soiling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)						1.57				
							2.45	27.14	29.59		
BL10											
CH47.75		570.133	569.263	569.013		1.120					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils. Soft murrum etc (a) For Lift 0 to 1.5m										



Name of work:- Detailed Design, Construction, 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)

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Buddi Line Side Chamber 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							
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.770	2.418		34.414	36.832
	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	0.250	0.785		7.850	8.635
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		3.140	3.454
	Item No. : 11 Transportation of earth Transportation charges							1.40		18.217	19.614
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.517			
	Deduction										
	Brick work	1.00		0.785	1.36	1.36	0.870	0.92			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.40			
								Net Qty = A - B		2.12	29.59
	BL11										
	CH56.20	570.263	569.303	569.363			1.180				
	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	0.830	2.606		36.832	39.438
	Item No. 2 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785		8.635	9.420
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.300	0.314		3.454	3.768
	Item No. : 11 Transportation of earth Transportation charges							1.40		19.614	21.074
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.705			
	Deduction										
	Brick work	1.00		0.785	1.36	1.36	0.780	0.90			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.46			
								Net Qty = A - B		2.25	31.71
	BL12										
	CH58.90	570.223	569.403	569.213			1.000				
	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	0.660	2.072		39.438	41.511
	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	0.250	0.785		9.420	10.205



Name of work:- Construction of Underground Sewerage Collection system for Zone I to VI and Zone VII at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewerage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main CIDCO pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to CIDCO Kharagabad City.

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

Buddi Line Side Chamber Measurement

Sl. No.	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. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		3.768	4.082
	Item No. : 11 Transportation of earth Transportation charges							1.28		21.074	22.354
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.171			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.760	0.80			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.28			
					Net Qty = A - B			1.89		33.95	35.85
	BL3.1										
	CH4.60	568.603	567.643	567.393			1.210				
	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	0.860	2.700		41.511	44.211
	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	0.250	0.785		10.205	10.990
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		4.082	4.396
	Item No. : 11 Transportation of earth Transportation charges							1.49		22.354	23.846
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.799			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.960	1.01			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.49			
					Net Qty = A - B			2.31		35.85	38.15
	BL3.2										
	CH7.50	568.753	567.793	567.543			1.210				
	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	0.860	2.700		44.211	46.912
	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	0.250	0.785		10.990	11.775
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										



Name of work:- Development of Underground Sewerage 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.

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	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	4.396	4.710	
	Item No. : 11 Transportation of earth Transportation charges							1.49	23.846	25.337	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.799			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.960	1.01			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.49			
					Net Qty = A - B			2.31	38.15	40.46	
	BL3.3										
	CH14.40	568.833	567.913	567.663			1.170				
	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	0.820	2.575	46.912	49.486	
	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	0.250	0.785	11.775	12.560	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	4.710	5.024	
	Item No. : 11 Transportation of earth Transportation charges							1.45	25.337	26.787	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.674			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.920	0.97			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.45			
					Net Qty = A - B			2.22	40.46	42.69	
	BL3.4										
	CH19.30	569.013	568.103	567.853			1.160				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.810	2.543	49.486	52.030	
	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	0.250	0.785	12.560	13.345	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	5.024	5.338	
	Item No. : 11 Transportation of earth Transportation charges							1.44	26.787	28.226	
	Item No. 30 :- Refilling the excavated trenches ...										

