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. :- 043

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 No GL	IL	EX.L	L	B	D	Content of arrears	Last measurment Page	Quantity	Total Upto Date Quantity
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.449		3.045	4.494
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.674			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.920	0.972			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.449			
				Net Qty = A - B				2.224		4.736	6.961
	IA4										
	CH63.60	548.595	547.675	547.425			1.170				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.170	3.674		11.455	15.129
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.449		4.494	5.943
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.674			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.920	0.972			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.449			
				Net Qty = A - B				2.224		6.961	9.185
	IA5										
	CH74.50	548.735	547.795	547.545			1.190				
	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	1.190	3.737		15.129	18.865
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.471		5.943	7.414
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.737			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.940	0.993			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.471			
				Net Qty = A - B				2.266		9.185	11.451

Khilari Infra Pvt. Ltd. Navi Mumbai

Fortress Infrastructure Services Ltd. Division of Fortress Infrastructure Services Ltd.

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. :- C44

Page No. :-

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

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

		Details			Last Measurement	

Itkheda(Near Mahanubhav Ashram)-250rcc CHAMBER

9th R A BILL MEASURMENTS CHEMBER ITKHEDA(NEAR MAHANUBHAW ASHRAM)

SR NO	CHEMBER NUMBER	DETAILS No			Rebate up to Depth of 1.5 mtr		Total Rebate Qty for 30 cm
		GL	IL	DEPTH	For per 30 cm		
A	Extra Item,02: Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	141	548.675	547.600	1.075	1.500	-0.43	-7.43
2	142	548.670	547.615	1.055	1.500	-0.45	
3	143	548.575	547.675	0.900	1.500	-0.60	
4	144	548.855	547.675	1.180	1.500	-0.32	
5	145	548.855	547.795	1.060	1.500	-0.44	
						-2.23	-7.43

Itkheda(Near Mahanubhav Ashram)-250rcc Quantity Node Abstract

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

Book No. :-

Page No. :- 045

9th R A BILL MEASURMENTS

Branch Of Sewer " ITKHEDA(NEAR MAHANUBHAW ASHRAM)"

SR NO	Description	MB/PG	ITEM 1	ITEM 7	ITEM 11	ITEM 30	EIRL 2	EIRL 2.a	EIRL 9.3	EIRL 9.4
			0-1.5				Full Rate	Rebate	250mm	250mm
									RCC Pipes	
1	For Pipe		79.404	13.622	19.529	59.876			84.000	84.000
2	For Manhole		18.865		7.414	11.451	5.000	(7.433)		
	Total		**98.270**	**13.622**	**26.942**	**71.327**	**5.000**	**(7.433)**	**84.000**	**84.000**

CONTRACTOR — Authorized Signatory

PMC — Project Engineer, Project Manager

CLIENT — Jr. Engineer, Dy. Engineer, Ex. Engineer

9th R A BILL MEASURMENTS DWC PIPE INDIRA NAGAR-02

Date	Particulars of work	DETAILS No GL	IL	EX.L	L	B	D	Content of arrears	Last measurment Page	Quantity	Total Upto Date Quantity
	DWC - 200 mm 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										
	ING0(old) TO ING1		PART-I								
	CH0.00	577.850	576.860	576.760			1.090	1.043			
	CH14.30	577.850	576.955	576.855			0.995				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.600	0.700	0.793	6.990		0.000	6.990
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.600	0.700	0.250	2.205		0.000	2.205
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			12.900	0.700	0.100	0.903		0.000	0.903
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.308		0.000	1.308
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			13.400			13.400		0.000	13.400
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							9.195			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	12.900	0.200	0.200	0.405			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.903			
								1.308			
				Net Qty = A - B				7.887		0.000	7.887
	ING 01 TO ING 02										
	CH14.30	577.850	576.955	576.855			0.995	1.025			
	CH26.33	577.935	576.980	576.880			1.055				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.030	0.700	1.025	7.197		6.990	14.186
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.630	0.700	0.100	0.744		0.903	1.647

Khillari Infra Pvt. Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services

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. :-047

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

Pipe Lying MB Indira Nagar-02

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							1.078		1.308	2.386
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			11.130			11.130		13.400	24.530
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							7.197			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	10.630	0.200	0.200	0.334			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.744			
								1.078			
				Net Qty = A - B				6.119		7.887	14.005
	ING 02 TO ING 03										
	CH26.33	577.935	576.980	576.880			1.055	0.977			
	CH36.03	577.795	576.995	576.895			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			7.700	0.700	0.977	5.269		14.186	19.455
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.300	0.700	0.100	0.581		1.647	2.228
	Item No. : 11 Transportation of earth Transportation charges							0.842		2.386	3.228
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			8.800			8.800		24.530	33.330
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.269			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	8.300	0.200	0.200	0.261			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.581			
								0.842			
				Net Qty = A - B				4.427		14.005	18.433
	ING 03 TO ING 04										
	CH36.03	577.795	576.995	576.895			0.900	0.845			
	CH47.43	577.705	577.015	576.915			0.790				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.400	0.700	0.845	5.560		19.455	25.015

Khilari Infra Pvt.Ltd. 3.

Fortress Infrastructure

Pipe Lying MB Indira Nagar-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.000	0.700	0.100	0.700		2.228	2.928
	Item No. : 11 Transportation of earth Transportation charges							1.014		3.228	4.242
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			10.500			10.500		33.330	43.830
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							**5.560**			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	10.000	0.200	0.200	0.314			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.700			
								1.014			
				Net Qty	= A - B			4.546		18.433	22.979
	ING 04 TO ING 05(old)										
	CH47.43	577.705	577.015	576.915			0.790	0.785			
	CH57.23	577.815	577.135	577.035			0.780				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.100	0.700	0.785	4.451		25.015	29.466
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.400	0.700	0.100	0.588		2.928	3.516
	Item No. : 11 Transportation of earth Transportation charges							0.852		4.242	5.093
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			8.900			8.900		43.830	52.730
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							**4.451**			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	8.400	0.200	0.200	0.264			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.588			
								0.852			
				Net Qty	= A - B			3.599		22.979	26.578
	INR0(OLD)TO INR1		**PART-II**								
	CH0.00	577.625	576.598	576.498			1.127	1.114			
	CH13.25	577.725	576.725	576.625			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										

Khilari Infra Pvt.Ltd. Nanded

Fortress Infrastructure Aurangabad

Pipe Lying MB Indira Nagar-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			11.550	0.700	0.714	5.769		29.466	35.235
	(b) For Lift 1.5m to 3.0m	1			11.550	0.700	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			11.550	0.700	0.400	3.234		2.205	5.439
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			11.850	0.700	0.100	0.830		3.516	4.346
	Item No. : 11 Transportation of earth Transportation charges							1.202		5.093	6.295
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			12.350			12.350		52.730	65.080
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							9.003			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	11.850	0.200	0.200	0.372			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.830			
								1.202			
				Net Qty = A - B				7.801		26.578	34.379
	INR1TO INR2										
	CH13.25	577.725	576.725	576.625			1.100	1.030			
	CH28.25	577.605	576.745	576.645			0.960				
	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	0.700	1.030	9.373		35.235	44.608
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			13.600	0.700	0.100	0.952		4.346	5.298
	Item No. : 11 Transportation of earth Transportation charges							1.379		6.295	7.674
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			14.100			14.100		65.080	79.180
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							9.373			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	13.600	0.200	0.200	0.427			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.952			
								1.379			
				Net Qty = A - B				7.994		34.379	42.373
	INR2TO INR3										

Khillari Infra Pvt. Ltd.

Fortress Infrastructure Services

Page 5

Pipe Lying MB Indira Nagar-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	CH28.25	577.605	576.745	576.645			0.960	1.015			
	CH34.25	577.775	576.805	576.705			1.070				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.000	0.700	1.015	2.842		44.608	47.450
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.600	0.700	0.100	0.322		5.298	5.620
	Item No. : 11 Transportation of earth Transportation charges							0.466		7.674	8.140
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			5.100			5.100		79.180	84.280
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.842			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	4.600	0.200	0.200	0.144			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.322			
								0.466			
				Net Qty = A - B				2.376		42.373	44.748
	INR3 TO INR4										
	CH34.25	577.775	576.805	576.705			1.070	1.060			
	CH38.85	577.795	576.845	576.745			1.050				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.600	0.700	1.060	1.929		47.450	49.379
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.200	0.700	0.100	0.224		5.620	5.844
	Item No. : 11 Transportation of earth Transportation charges							0.324		8.140	8.465
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			3.700			3.700		84.280	87.980
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.929			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	3.200	0.200	0.200	0.100			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.224			
								0.324			
				Net Qty = A - B				1.605		44.748	46.353

Khilani Infra Pvt. Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services Division of Fortress Financial Services Ltd.

Pipe Lying MB Indira Nagar-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	INR4 TO INR5										
	CH38.85	577.795	576.845	576.745			1.050	0.995			
	CH49.85	577.735	576.895	576.795			0.940				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.000	0.700	0.995	6.269		49.379	55.647
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.600	0.700	0.100	0.672		5.844	6.516
	Item No. : 11 Transportation of earth Transportation charges							0.973		8.465	9.438
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			10.100			10.100		87.980	98.080
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.269			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	9.600	0.200	0.200	0.301			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.672			
								0.973			
				Net Qty = A - B				5.295		46.353	51.648
	INR2 TO INR2.1										
	CH0.00	577.735	576.895	576.795			0.940	0.830			
	CH8.25	577.465	576.846	576.746			0.719				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.550	0.700	0.830	3.803		55.647	59.451
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.850	0.700	0.100	0.480		6.516	6.995
	Item No. : 11 Transportation of earth Transportation charges							0.695		9.438	10.133
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			7.350			7.350		98.080	105.430
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.803			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	6.850	0.200	0.200	0.215			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.480			
								0.695			

Khillari Infra Pvt. Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services

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. :- 052

Page No. :-

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

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

		Details	Last Measurement	

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Pipe Lying MB Indira Nagar-02

Date	Particulars of work	DETAILS No GL	IL	EX.L	L	B	D	Conten arrears	Last measurment Page	Quantity	Total Upto Date Quantity
		Net Qty = A - B						3.109		51.648	54.757
	INR2.1 TO INR2.2										
	CH8.25	577.465	576.846	576.746			0.719	0.760			
	CH15.45	577.565	576.865	576.765			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			5.200	0.700	0.760	2.765		59.451	62.215
	(b) For Lift 1.5m to 3.0m	1			5.200	0.700	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			5.200	0.700	0.000	0.000		5.439	5.439
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			5.200	0.700	0.000	0.000		0.000	0.000
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.800	0.700	0.100	0.406		6.995	7.401
	Item No. : 11 Transportation of earth Transportation charges							0.588		10.133	10.721
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			6.300			6.300		105.430	111.730
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.765			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	5.800	0.200	0.200	0.182			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.406			
								0.588			
		Net Qty = A - B						2.176		54.757	56.933
	Item No :35 Shifting of Existing Utilities Length considerd up to 400mm including all and as directed by Engineer in-Charge				0.05			0.05			0.05

Khilari Infra Pvt.Ltd. Navi Mumbai

Fortress Infrastructure Division of Fortress Group Aurangabad

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. :- 053

Page No. :-

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

9th R A BILL MEASURMENTS DWC CHEMBER INDIRA NAGAR-02

Date	Particulars of work	DETAILS No GL	IL	EX.L	L	B	D	Content of arrears	Last measurment Page	Quantity	Total Upto Date Quantity
	DWC - 200mm Dia										
	Excavation of Chamber - For 0.9 mt. chamber up to Depth of 2.0 mt:- 0.9+0.5+0.3+0.3=2.0m										
	Area for Square chember up to Depth of 2m= 2 * 2=4m										
	ING1		PART-I								
	CH14.30	577.850	576.955	576.705			1.145				
	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	0.795	2.496		0.000	2.496
	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		0.000	0.785
	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		0.000	0.314
	Item No. : 11 Transportation of earth Transportation charges							1.423		0.000	1.423
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.595			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.895	0.95			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murrum bedding							0.00			
	Total (B)							1.42			
				Net Qty = A - B				2.17		0.00	2.17
	ING2										
	CH26.33	577.935	576.980	576.730			1.205				
	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	1.205	3.784		2.496	6.280
	Item No. : 11 Transportation of earth Transportation charges							1.486		1.423	2.909
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.784			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.955	1.01			

Khilari Infra Pvt. Ltd. Nanded

Fortress Infrastructure Services LLP Aurangabad

Manhole MB Indira Nagar-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murrum bedding							0.00			
	Total (B)							**1.49**			
				Net Qty = A - B				2.30		2.17	4.47
	ING3										
	CH36.03	577.795	576.995	576.745			1.050				
	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	1.050	3.297		6.280	9.577
	Item No. : 11 Transportation of earth Transportation charges							1.323		2.909	4.232
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							**3.297**			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.800	0.85			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48		-	
	Murrum bedding							0.00			
	Total (B)							**1.32**			
				Net Qty = A - B				1.97		4.47	6.44
	ING4										
	CH47.43	577.705	577.015	576.765			0.940				
	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	0.940	2.952		9.577	12.52
	Item No. : 11 Transportation of earth Transportation charges							1.206		4.232	5.4
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							**2.952**			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.690	0.73			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murrum bedding							0.00			
	Total (B)							**1.21**			
				Net Qty = A - B				1.75		6.44	8.19
	INR1		PART-II								
	CH13.25	577.725	576.725	576.475			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			0.785	4.000	0.850	2.669		12.529	15.198

Khilari Infra Pvt.Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services LLP

Date	Particulars of work	DETAILS No GL	IL	EX.L	L	B	D	Content of arrears	Last measurment Page	Quantity	Total Upto Date Quantity
	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	0.400	1.256		0.785	2.041
	Item No. : 11 Transportation of earth Transportation charges							1.534		5.438	6.972
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.925			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.000	1.06			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murrum bedding							0.00			
	Total (B)							1.53			
				Net Qty = A - B				2.39		8.19	10.58
	INR2										
	CH28.25	577.605	576.745	576.495			1.110				
	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	1.110	3.485		15.198	18.683
	Item No. : 11 Transportation of earth Transportation charges							1.386		6.972	8.358
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.485			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.860	0.91			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murrum bedding							0.00			
	Total (B)							1.39			
				Net Qty = A - B				2.10		10.58	12.68
	INR3										
	CH34.25	577.775	576.805	576.555			1.220				
	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	1.220	3.831		18.683	22.514
	Item No. : 11 Transportation of earth Transportation charges							1.502		8.358	9.861
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.831			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.970	1.02			

Khilari Infra Pvt. Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services

Date	Particulars of work	DETAILS No GL	IL	EX.L	L	B	D	Content of arrears	Last measurment Page	Quantity	Total Upto Date Quantity
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murrum bedding							0.00			
	Total (B)							**1.50**			
				Net Qty = A - B				2.33		12.68	15.01
	INR4										
	CH38.85	577.795	576.845	576.595			1.200				
	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	1.200	3.768		22.514	26.282
	Item No. : 11 Transportation of earth Transportation charges							1.481		9.861	11.342
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							**3.768**			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.950	1.00			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murrum bedding							0.00			
	Total (B)							**1.48**			
				Net Qty = A - B				2.29		15.01	17.30
	INR5										
	CH49.85	577.735	576.895	576.645			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			0.785	4.000	1.090	3.423		26.282	29.704
	Item No. : 11 Transportation of earth Transportation charges							1.365		11.342	12.706
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							**3.423**			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.840	0.89			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murrum bedding							0.00			
	Total (B)							**1.36**			
				Net Qty = A - B				2.06		17.30	19.35
	INR2.1										
	CH8.25	577.465	576.846	576.596			0.869				
	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	0.869	2.729		29.704	32.433

Khilari Infra Pvt.Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services

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. :- C53

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

9th R A BILL MEASURMENTS CHEMBER DETAILS INDIRA NAGAR-02

SR NO	CHEMBER NUMBER	DETAILS No			Rebate up to Depth of 1.5		Total Rebate Qty for 30 cm
		GL	IL	DEPTH	For per 30 cm		
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	INDIRA NAGAR-02						
1	ING1	577.850	576.955	0.895	1.5	-0.605	
2	ING2	577.935	576.980	0.955	1.5	-0.545	
3	ING3	577.795	576.995	0.800	1.5	-0.700	
4	ING4	577.705	577.015	0.690	1.5	-0.810	
5	INR1	577.725	576.725	1.000	1.5	-0.500	
6	INR2	577.605	576.745	0.860	1.5	-0.640	-24.070
7	INR3	577.775	576.805	0.970	1.5	-0.530	
8	INR4	577.795	576.845	0.950	1.5	-0.550	
9	INR5	577.735	576.895	0.840	1.5	-0.660	
10	INR2.1	577.465	576.846	0.619	1.5	-0.881	
11	INR2.2	577.565	576.865	0.700	1.5	-0.800	
	Total					-7.221	-24.070

Khilari Infra Pvt.Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services Division of Fortress Financial Services

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

Book No. :- Page No. :- 057

Details	Last Measurement

QUANTITY ABSTRACT RA 9th

INDIRA NAGAR-02

SR NO	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
			0-1.5	1.5-3.0	0-1.5	0-1.5			200mm	200mm			0-1.5 m	Rebate
1	For Pipe		62.215	0.000	5.439	0.000	7.401	10.721	111.730	111.730	56.933	0.050		
2	For Manhole		35.416	0.000	2.041	0.314		15.055			22.716		11.000	-24.070
		Total	97.631	0.000	7.480	0.314	7.401	25.776	111.730	111.730	79.649	0.050	11.000	-24.070

CONTRACTOR		PMC		CLIENT		
Authorized Signatory	Project Engineer	Project Manager	Jr. Engineer	Dy. Engineer	Ex. Engine	

1

Shivaji Nagar-02-250mm Measurement sheet

Chowk

9th R A BILL MEASURMENTS DWC PIPE SHIVAJI NAGAR-02

Date	Particulars of work	DETAILS No GL	IL	EX.L	L	B	D	Content of arrears	Last measurment Page	Quantity	Total Upto Date Quantity
	DWC - 250mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.25+0.5=0.75m										
	For Lift 1.5 to 3.00m- 0.25+0.5+0.4=1.15m										
	For Lift 3.0 to 4.5m- 0.25+0.5+0.4+0.4=1.55m										
	SNC2(OLD) TO SNC2.1										
	CH0.00	585.811	583.936	583.836			1.975	2.053			
	CH5.40	585.956	583.926	583.826			2.130				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.220	1.150	0.600	2.222		0.000	2.222
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.220	1.150	0.800	2.962		0.000	2.962
	(b) For Lift 1.5 to 3.0m	1			3.220	0.750	0.553	1.335		0.000	1.335
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.220	1.150	0.100	0.370		0.000	0.370
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.720	0.750	0.100	0.279		0.000	0.279
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.462		0.000	0.462
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			4.220			4.220		0.000	4.220
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.890			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	3.720	0.250	0.250	0.183			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.279			
								0.462			
				Net Qty = A - B				6.428		0.000	6.428
	SNC2.1 TO SNC2.2										
	CH5.40	585.956	583.926	583.826			2.130	2.395			
	CH29.15	585.876	583.316	583.216			2.660				

Khilari Infra Pvt.Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services

2

Shivaji Nagar-02-250mm 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. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			21.090	1.150	0.600	14.552		2.222	16.774
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			21.090	1.150	0.800	19.403		2.962	22.365
	(b) For Lift 1.5 to 3.0m	1			21.090	0.750	0.895	14.157		1.335	15.492
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			21.090	1.150	0.100	2.425		0.370	2.796
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			22.090	0.750	0.100	1.657		0.279	1.936
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.741		0.462	3.202
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			22.590			22.590		4.220	26.810
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							50.537			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	22.090	0.250	0.250	1.084			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.657			
								2.741			
				Net Qty = A - B				47.796		6.428	54.225
	SMC2.2 TO SMC2.3(OLD)										
	CH29.15	585.876	583.316	583.216			2.660	2.796			
	CH32.15	585.833	583.000	582.900			2.933				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.820	1.150	0.600	0.566		16.774	17.340
	(b) For Lift 1.5 to 3.0m	1			0.820	0.750	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			0.820	1.150	0.800	0.754		22.365	23.120
	(b) For Lift 1.5 to 3.0m	1			0.820	0.750	1.296	0.797		15.492	16.289
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.820	1.150	0.100	0.094		2.796	2.890

Khilari Infra Pvt. Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services

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. :- 062

Page No. :-

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

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

3

Shivaji Nagar-02-250mm 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. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.320	0.750	0.100	0.099		1.936	2.035
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.164		3.202	3.366
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			1.820			1.820		26.810	28.630
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.212			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	1.320	0.250	0.250	0.065			
	solling							0.000			
	PCC							0.000			
	Murrum bedding							0.099			
								0.164			
		Net Qty = A - B						2.048		54.225	56.273

Khilari Infra Pvt. Ltd. Navi Mumbai 3

Fortress Infrastructure Advisory Services Pvt. Ltd. Division of Fortress Financial Services Pvt. Ltd.

1 Shivaji Nagar-02-250mm CHEMBER Measurment

9th R A BILL MEASURMENTS DWC CHEMBER SHIVAJI NAGAR-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - For 1.20m dia Manhole (upto a depth of 2.0m)- 1.20+0.23+0.23+0.5+0.5=2.66m										
	For Area of MH Excavation=2.66*2.66=7.0756m										
	SNC2.1										
	CH5.40	585.956	583.926	583.676			2.280				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.600	3.333		0.000	3.333
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.700	3.888		0.000	3.888
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.880	4.888		0.000	4.888
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.100	0.555		0.000	0.555
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated							3.818		0.000	3.818
	Item No. 30 :- Refilling the excavated trenches										
	Total Excavation=							12.664			
	Deduction										
	Brick work	1		0.785	1.390	1.390	2.030	3.079			
	PCC	1		0.785	1.940	1.940	0.250	0.739			
	Solling	1		0.785	1.940	1.940	0.000	0.000			
								3.818			
				Net Qty	= A - B			8.846		0.000	8.846
	SNC2.2										
	CH29.15	585.476	583.316	583.066			2.810				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.600	3.333		3.333	6.665
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.700	3.888		3.888	7.776
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	1.410	7.832		4.888	12.719

Khilari Infra Pvt. Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services

Measurement Book

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

Book No. :-

Page No. :- 064

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

2

Shivaji Nagar-02-250mm CHEMBER Measurment

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. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.100	0.555		0.555	1.111
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated							4.621		3.818	8.439
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							15.608			
	Deduction										
	Brick work	1		0.785	1.390	1.390	2.560	3.883			
	PCC	1		0.785	1.940	1.940	0.250	0.739			
	Soling	1		0.785	1.940	1.940	0.000	0.000			
								4.621			
				Net Qty = A - B				10.986		8.846	19.833

Khilari Infra Pvt. Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services

Measurement Book

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

Book No. :-

Page No. :- 065

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

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

1

Shivaji Nagar-02-250mm CHEMBER

9th R A BILL MEASURMENTS CHEMBER DETAILS SHIVAJI NAGAR-02

Item No. : 21 Providing and constructing on sewer BBM manhole 1.2 m dia at bottom and 0.5 m dia at top and up to a depth of 2 M

Sr.No.	MB/ Page No	Chainage	MH No	MTL	IL	Depth	Depth Difference than 2 m	Total Differenc e	Rebate/Add for Excess height (per 50 cm)
1		5.40	SNC2.1	585.956	583.926	2.03	0.03	0.590	1.180
2		29.15	SNC2.2	585.876	583.316	2.56	0.56		

Khilari Infra Pvt. Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services

Shivaji Nagar-02-250mm Qty Abstract

QUANTITY ABSTRACT RA 9th

SHIVAJI NAGAR-02

SR NO	Discription	MB/PG	ITEM 1	ITEM 2		ITEM 4	ITEM 7	ITEM 11	ITEM 12	ITEM 13	ITEM 21	ITEM 21.1	ITEM 30
			0-1.5	0-1.5	1.5-3.0	0-1.5			250mm	250mm	0-2 m	Rebate	
1	For Pipe		17.340	23.120	16.289	2.890	2.035	3.366	28.630	28.630			56.273
2	For Manhole		6.665	7.776	12.719	1.111		8.439			2.000	1.180	19.833
		Total	24.005	30.896	29.009	4.001	2.035	11.805	28.630	28.630	2.000	1.180	76.105

CONTRACTOR — Khilari Infra Pvt. Ltd. Navi Mumbai — **Authorized Signatory**

PMC — Fortress Infrastructure Advisory Services Pvt. Ltd. Division of Fortress — **Project Engineer** — **Project Manager**

CLIENT — **Jr. Engineer** — **Dy. Engineer** — **Ex. Enginee**

Details | Last Measurement

Name of work:- Development of Underground Sewage Collection system for Zone I to VI and Zone Safai All Contracting, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshirwadi (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 Nakshirwadi (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

Book No. :- 065

Page No. :-

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

Book No. :-

Page No. :- 067

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

Pipe lying MB Murtijapur (Jay Hind Nagar)

9th R A BILL MEASURMENTS DWC PIPE MURTIJAPUR (JAY HIND NAGAR)

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D				
		GL	IL	EX.L					Page	Quantity	
	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										
Part - 01	MJ 01 to MJ 02										
	CH0.00	585.530	584.380	584.280			1.250	1.225			
	CH7.70	585.520	584.420	584.320			1.200				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.300	0.700	0.975	4.300		0.000	4.300
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.300	0.700	0.250	1.103		0.000	1.103
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.300	0.700	0.100	0.441		0.000	0.441
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.639		0.000	0.639
	Item No. 13 :-(b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			6.800			6.800		0.000	6.800
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.402			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	6.300	0.200	0.200	0.198			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.441			
								0.639			
				Net Qty = A - B				4.763		0.000	4.763
	MJ 02 to MJ 03										
	CH7.70	585.520	584.420	584.320			1.200	1.175			
	CH15.90	585.520	584.470	584.370			1.150				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.800	0.700	0.925	4.403		4.300	8.703
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.800	0.700	0.250	1.190		1.103	2.293

Khilari Infra Pvt. Ltd. Aurangabad

Fortress Infrastructure

Page 2

Pipe lying MB Murtijapur (Jay Hind Nagar)

Date	Particulars of work	DETAILS No GL	IL	EX.L	L	B	D	Content of arrears	Last measurment Page	Quantity	Total Upto Date Quantity
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.800	0.700	0.100	0.476		0.441	0.917
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.690		0.639	1.328
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			7.300			7.300		6.800	14.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.593			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	6.800	0.200	0.200	0.214			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.476			
								0.690			
				Net Qty = A - B				4.903		4.763	9.667
	MJ 03 to MJ 04										
	CH15.90	585.520	584.470	584.370			1.150	1.125			
	CH23.65	585.650	584.650	584.550			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.350	0.700	0.875	3.889		8.703	12.592
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.350	0.700	0.250	1.111		2.293	3.404
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.350	0.700	0.100	0.445		0.917	1.362
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.644		1.328	1.972
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			6.850			6.850		14.100	20.950
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.001			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	6.350	0.200	0.200	0.199			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.445			
								0.644			
				Net Qty = A - B				4.357		9.667	14.024
Part - 02	MJ 05 to MJ 06										
	CH0.00	584.620	583.820	583.720			0.900	0.900			
	CH8.20	584.810	584.010	583.910			0.900				

Khilari Infra Pvt. Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services

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

Book No. :-

Page No. :- 069

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

Page 3

Pipe lying MB Murtijapur (Jay Hind Nagar)

Date	Particulars of work	DETAILS No GL	IL	EX.L	L	B	D	Content of arrears	Last measurment Page	Quantity	Total Upto Date Quantity
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.800	0.700	0.600	2.856		12.592	15.448
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.800	0.700	0.300	1.428		3.404	4.832
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			6.800	0.700	0.100	0.476		1.362	1.838
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.690		1.972	2.662
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			7.300			7.300		20.950	28.250
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							**4.284**			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	6.800	0.200	0.200	0.214			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.476			
								0.690			
				Net Qty = A - B				**3.594**		14.024	17.618
	MJ 06 to MJ 07										
	CH0.20	584.810	584.010	583.910			0.900	1.000			
	CH16.40	585.010	584.010	583.910			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.800	0.700	0.700	3.332		15.448	18.780
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.800	0.700	0.300	1.428		4.832	6.260
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			6.800	0.700	0.100	0.476		1.838	2.314
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.690		2.662	3.351
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			7.300			7.300		28.250	35.550
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							**4.760**			
	Deduction of 200mm dia pipe										

Khilari Infra Pvt. Ltd. Aurangabad

Fortress Infrastructure

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. :- 07J

Page No. :-

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

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

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

Page 4

Pipe lying MB Murtijapur (Jay Hind Nagar)

Date	Particulars of work	DETAILS No GL	IL	EX.L	L	B	D	Content of arrears	Last measurment Page	Quantity	Total Upto Date Quantity
	pipe area	1.000		0.785	6.800	0.200	0.200	0.214			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.476			
								0.690			
				Net Qty = A - B				**4.070**		17.618	21.689
	MJ 07 to MJ 08										
	CH16.40	585.010	584.010	583.910			1.100	1.100			
	CH24.40	585.060	584.060	583.960			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.600	0.700	0.800	3.696		18.780	22.476
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.600	0.700	0.300	1.386		6.260	7.646
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.600	0.700	0.100	0.462		2.314	2.776
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.669		3.351	4.021
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			7.100			7.100		35.550	42.650
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							**5.082**			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	6.600	0.200	0.200	0.207			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.462			
								0.669			
				Net Qty = A - B				**4.413**		21.689	26.101

Khilari Infra Pvt.Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services

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. :- 071

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

9th RA BILL MEASURMENTS (Raised Manhole)
MURTIJAPUR (JAY HIND NAGAR)

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	MJ 1 to MJ 4 Only Inside Plaster & MJ 5 to MJ 8 Raised to 0.2 m and Inside Plaster done										
	Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.										
	Long Wall	8			1.360	0.230	0.200	0.500		0.000	0.500
	Short Wall	8			0.450	0.230	0.200	0.166		0.500	0.666
	Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.										
	Long Wall	16			0.900		1.088	15.667		0.000	15.667
	Short Wall	8			0.600		1.088	5.222		15.667	20.890
	Short Wall	8			0.450		1.088	3.917		20.890	24.806
	Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.										
	(a) Long Wall	8			1.360		0.200	2.176		0.000	2.176
	(b) Short Wall	8			1.060		0.200	1.696		2.176	3.872
	Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.										
	(a) Long Wall Internal	16			0.900		1.088	15.667		0.000	15.667
	(b) Short Wall Internal	8			0.600		1.088	5.222		15.667	20.890
	(c) Short Wall Internal	8			0.450		1.088	3.917		20.890	24.806
	(d) Long Wall External	8			1.360		0.200	2.176		24.806	26.982
	(e) Short Wall External	8			1.060		0.200	1.696		26.982	28.678

Name of work:- Development of Underground Sewage Collection system for Zone I to VI and Zone Salim Ali, Constructing, Fencing, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Siddharth Garden, Zaha, Padagam, CIDCO (Airport) Connection, Erection, Testing and Commission of Sewage pumping stations at Bamandi, Siddharth Garden, Padagam, Gothandi, Zaha, Ward No.98 and CIDCO (Airport), Providing, laying, jointing and testing rising main GRP DI pipe line from Gothandi SPS to Siddhawadi (Kanchanwadi) STP and Ward No.98 to STP for Annapahal Co.

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

Book No. :- 072

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QUANTITY ABSTRACT

MURTIJAPUR (JAY HIND NAGAR)

Sr. No.	Discription	MB/PG	ITEM 1	ITEM 2	ITEM 7	ITEM 11	ITEM 12	ITEM 13	ITEM 30	Extra Item 4			
			0-1.5	0-1.5			200mm	200mm		a	b	c	d
1	For Pipe		22.476	7.646	2.776	4.021	42.650	42.650	26.101				
2	For Manhole									0.666	24.806	3.872	28.678
		Total	22.476	7.646	2.776	4.021	42.650	42.650	26.101	0.666	24.806	3.872	28.678

CONTRACTOR

Khilari Infra Pvt.Ltd. Nagpur

Authorized Signatory

Fortress Infrastructure Advisory Services LLP

Project Engineer

PMC

Fortress Infrastructure Advisory Services LLP

Project Manager

CLIENT

Jr. Engineer

Dy. Engineer

27/8/16

Ex. Engineer

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

Book No. :-

Page No. :- 073

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

Authority AMC/Ward B&C/UIDSSMT/2014/184 Date 01.07.2014

Pipe Lying MB Janki Hotel Sutgirni Chowk

9th R A BILL MEASURMENTS SW PIPE JANKI HOTEL SUTGIRNI CHOWK

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	SW PIPE - 250 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.02+0.02+0.5=0.790										
	For Lift 1.5 to 3.00m- 0.250+0.02+0.02+0.5+0.4= 1.190m										
	For Lift 3.0 to 4.5m- 0.250+0.5+0.02+0.02+0.4+0.4=1.590m										
	Old MH to NP 01										
	CH0.00	585.430	583.720	583.620			1.810	1.510			
	CH25.20	586.430	585.320	585.220			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			23.500	1.190	1.500	41.948		0.000	41.948
	(b) For Lift 1.5m to 3.0m	1			23.500	0.790	0.010	0.186		0.000	0.186
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			23.800	0.790	0.100	1.880		0.000	1.880
	Item No. : 11 Transportation of earth Transportation charges including loading &							3.242		0.000	3.242
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			24.300			24.300		0.000	24.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							42.133			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	23.800	0.270	0.270	1.36			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.88			
								3.24			
				Net Qty = A - B				38.89		0.00	38.89
	NP 01 to NP 02										
	CH25.20	586.430	585.320	585.220			1.210	1.085			
	CH31.00	586.440	585.580	585.480			0.960				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.800	0.790	1.085	3.257		41.948	45.205

Khilari Infra Pvt.Ltd.

Fortress Infrastructure

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. :- 074

Page No. :-

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

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Pipe Lying MB Janki Hotel Sutgirni Chowk

Date	Particulars of work	DETAILS No GL	IL	EX.L	L	B	D	Content of arrears	Last measurment Page	Quantity	Total Upto Date Quantity
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.400	0.790	0.100	0.348		1.880	2.228
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.599		3.242	3.842
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			4.900			4.900		24.300	29.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.257			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	4.400	0.270	0.270	0.25			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.35			
								0.60			
				Net Qty = A - B				2.66		38.89	41.55
	NP 02 to NP 03										
	CH31.00	586.440	585.580	585.480			0.960	1.140			
	CH54.00	587.340	586.120	586.020			1.320				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			21.000	0.790	1.140	18.913		45.205	64.117
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			21.600	0.790	0.100	1.706		2.228	3.934
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.942		3.842	6.784
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			22.100			22.100		29.200	51.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							18.913			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	21.600	0.270	0.270	1.24			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.71			
								2.94			
				Net Qty = A - B				15.97		41.55	57.52
	NP 04 to NP 05										
	CH68.50	587.650	586.130	586.030			1.620	1.605			
	CH83.20	587.510	586.020	585.920			1.590				

Khilari Infra Pvt. Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services

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. :- 075

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

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Pipe Lying MB Janki Hotel Sutgirni Chowk

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. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.700	0.790	1.500	15.050		64.117	79.167
	(b) For Lift 1.5m to 3.0m	1			12.700	0.790	0.105	1.053		0.186	1.239
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.300	0.790	0.100	1.051		3.934	4.985
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.812		6.784	8.596
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			13.800			13.800		51.300	65.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							16.103			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	13.300	0.270	0.270	0.76			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.05			
								1.81			
				Net Qty = A - B				14.29		57.52	71.81
	NP 05 to NP 06										
	CHIS 20	587.510	586.020	585.920			1.590	1.785			
	CHIS 35	587.580	585.700	585.600			1.980				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.150	0.790	1.500	12.028		79.167	91.195
	(b) For Lift 1.5m to 3.0m	1			10.150	0.790	0.285	2.285		1.239	3.524
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.750	0.790	0.100	0.849		4.985	5.834
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.464		8.596	10.060
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			11.250			11.250		65.100	76.350
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							14.313			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	10.750	0.270	0.270	0.62			
	soling							0.00			

Khilari Infra Pvt. Ltd. Nanded

Khilari Infrastructure Pvt. Ltd. Nanded

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)

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

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Pipe Lying MB Janki Hotel Sutgirni Chowk

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No									
		GL	IL	EX.L	L	B	D		Page	Quantity	
	PCC							0.00			
	Murrum bedding							0.85			
								1.46			
				Net Qty = A - B				12.85		71.81	84.66
	NP 06 to NP 07										
	CH95.35	587.580	585.700	585.600			1.980	2.140			
	CH103.20	587.580	585.380	585.280			2.300				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.150	0.790	1.500	7.288		91.195	98.482
	(b) For Lift 1.5m to 3.0m	1			6.150	0.790	0.640	3.109		3.524	6.634
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.450	0.790	0.100	0.510		5.834	6.344
	Item No. :- 11 Transportation of earth Transportation charges including loading &							0.879		10.060	10.939
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			6.950			6.950		76.350	83.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							10.397			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	6.450	0.270	0.270	0.37			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.51			
								0.88			
				Net Qty = A - B				9.52		84.66	94.18

Khilari Infra Pvt.Ltd. Navi Mumbai

Fortress Infrastructure Advisory Services Ltd. Division of Fortress Financial Services Ltd.

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)

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

Manhole MB Janki Hotel Sutgirni Chowk

9th R A BILL MEASURMENTS OF CHEMBERS JANKI HOTEL SUTGIRNI CHOWK

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		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										
	NP 01										
	CH25.20	586.430	585.320	585.070			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			0.785	4.000	1.360	4.270		0.000	4.270
	Item No. : 11 Transportation of earth Transportation charges							1.650		0.000	1.650
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.270			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.110	1.172			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.650			
				Net Qty = A - B				2.620		0.000	2.620
	NP 02										
	CH31.00	586.440	585.580	585.330			1.110				
	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	1.110	3.485		4.270	7.756
	Item No. : 11 Transportation of earth Transportation charges							1.386		1.650	3.036
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.485			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.860	0.908			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.386			
				Net Qty = A - B				2.099		2.620	4.720
	NP 03										
	CH54.00	[illegible]	586.120	585.870			1.470				

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. :-

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

Manhole MB Janki Hotel Sutgirni Chowk

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. 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	1.470	4.616		7.756	12.372
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000		0.000	0.000
	Item No. : 11 Transportation of earth Transportation charges							1.766		3.036	4.802
	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			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							**1.766**			
				Net Qty = A - B				2.850		4.720	7.569
	NP 04										
	CH68.50	587.650	586.130	585.880			1.770				
	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		12.372	17.082
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.270	0.848		0.000	0.848
	Item No. : 11 Transportation of earth Transportation charges							2.083		4.802	6.886
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							**5.558**			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.520	1.606			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							**2.083**			
				Net Qty = A - B				3.475		7.569	11.044
	NP 05										
	CH83.20	587.510	586.020	585.770			1.740				
	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		17.082	21.792
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.240	0.754		0.848	1.601
	Item No. : 11 Transportation of earth Transportation charges							2.051		6.886	8.937
	Item No. 30 :- Refilling the excavated trenches ...										

Khilari Infra Pvt.Ltd.

Fortress Infrastructure

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)

Authority No. AMC/Ward B&C/UIDSSMT/2014/ 84 Date 01.07.2014

Manhole MB Janki Hotel Sutgirni Chowk

Date	Particulars of work	DETAILS No GL	IL	EX.L	L	B	D	Content of arrears	Last measurment Page	Quantity	Total Upto Date Quantity
	Total Excavation(A)=							5.464			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.490	1.574			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							2.051			
				Net Qty = A - B				3.412		11.044	14.456
	NP 06										
	CH95.35	587.580	585.700	585.450			2.130				
	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		21.792	26.502
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.630	1.978		1.601	3.580
	Item No. : 11 Transportation of earth Transportation charges							2.463		8.937	11.400
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							6.688			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.880	1.986			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							2.463			
				Net Qty = A - B				4.225		14.456	18.681
	NP 08										
	CH0.00	588.370	587.170	586.920			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	1.450	4.553		26.502	31.055
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000		3.580	3.580
	Item No. : 11 Transportation of earth Transportation charges							1.745		11.400	13.146
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.553			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.200	1.268			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.745			
				Net Qty = A - B				2.808		18.681	21.489

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)

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

Details | Last Measurement

Page 1

Manhole Details Janki Hotel Sutgirni Chowk

9th R A BILL MEASURMENTS CHEMBER DETAILS JANKI HOTEL SUTGIRNI CHOWK

SR NO	CHEMBER NUMBER	DETAILS No			Rebate up to Depth of 1.5 mtr		Total Rebate Qty for 30 cm
		GL	IL	DEPTH	For per 30 cm		
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	JANKI HOTEL SUTGIRNI CHOWK						
1	NP 01	586.430	585.320	1.110	1.500	-0.390	
2	NP 02	586.440	585.580	0.860	1.500	-0.640	
3	NP 03	587.340	586.120	1.220	1.500	-0.280	
4	NP 04	587.650	586.130	1.520	1.500	0.020	-9.400
5	NP 05	587.510	586.020	1.490	1.500	-0.010	
6	NP 06	587.580	585.700	1.880	1.500	0.380	
7	NP 08	588.370	588.770	-0.400	1.500	-1.900	
	TOTAL					-2.820	-9.400

Khilari Infra Pvt.Ltd. Navi Mumbai

Fortress Infrastructure

QUANTITY ABSTRACT

BALAJI NAGAR-05

SR NO	Discription	MB/PG	ITEM 1		ITEM 7	ITEM 11	ITEM 30	Extra item 2	Extra Item 2.a	Extra Item No. 9.1	Extra Item No. 9.2
			0-1.5	1.5-3.0				0-1.5 m	Rebate	d	d
1	For Pipe		98.482	6.634	6.344	10.939	94.177			83.3	83.3
2	For Manhole		31.055	3.580		13.146	21.489	6.000	-9.400		
		Total	129.537	10.213	6.344	24.085	115.666	6.000	-9.400	83.30	83.30

CONTRACTOR PMC CLIENT

Khillari Infra Pvt.Ltd. Vashi Mumbai

Fortress Infrastructure Advisory Services LLP Division of Fortress Financial Services LLP

Authorized Signatory Project Engineer Project Manager Jr. Engineer Dy. Engineer Ex. Enginee

27/8/16

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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9th R A BILL MEASURMENTS DWC PIPE SHIVAJINAGAR(NEAR NURSING COLLEGE)

Date	Particulars of work	DETAILS No GL	IL	EX.L	L	B	D	Content of arrears	Last measurment Page	Quantity	Total Upto Date Quantity
	DWC - 200 mm 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										
	SNC1(OLD) TO SNC1.1										
	CH0.00	585.811	583.936	583.836			1.975	1.705			
	CH8.45	586.161	584.826	584.726			1.435				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.270	1.100	0.200	1.379		0.000	1.379
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.270	1.100	1.200	8.276		0.000	8.276
	(b) For Lift 1.5m to 3.0m	1			6.270	0.700	0.205	0.900		0.000	0.900
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.270	1.100	0.100	0.690		0.000	0.690
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.770	0.700	0.100	0.474		0.000	0.474
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.686		0.000	0.686
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			7.270			7.270		0.000	7.270
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							11.245			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	6.770	0.200	0.200	0.213			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.474			
								0.686			
				Net Qty = A - B				10.559		0.000	10.559
	SNC1.1 TO SNC1.2										
	CH8.45	586.161	584.826	584.726			1.435	1.408			
	CH12.15	586.176	584.896	584.796			1.380				
	Item No. 1 :- Excavation for foundation/pipe trenches in										

Khillari Infra Pvt. Ltd. Navi Mumbai

Fortress Infrastructure Services Pvt. Ltd. Division of Fortress Financial Services Ltd.

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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Shivaji Nagar(Near Nursing College)-Measurment MB

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			1.040	0.700	0.200	0.146		1.379	1.525
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.040	0.700	1.108	0.807		8.276	9.083
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.040	0.700	0.100	0.073		0.690	0.763
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.040	0.700	0.100	0.143		0.474	0.617
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.207		0.686	0.893
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			2.540			2.540		7.270	9.810
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							**1.025**			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	2.040	0.200	0.200	0.064			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.143			
								0.207			
				Net Qty = A - B				**0.818**		10.559	11.377
	SNC1.2 TO SNC1.3										
	CH12.15	586.176	584.896	584.796			1.380	1.418			
	CH21.75	586.546	585.191	585.091			1.455				
	Item No. 1 :- Excavation for foundation/pipe trenches in										
	(a) For Lift 0 to 1.5m	1			6.940	0.700	0.200	0.972		1.525	2.497
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.940	0.700	1.118	5.431		9.083	14.514
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.940	0.700	0.100	0.486		0.763	1.248
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			7.940	0.700	0.100	0.556		0.617	1.173
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.805		0.893	1.698
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			8.440			8.440		9.810	18.250

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