



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erection, 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 CRP DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) SPS and Ward No.98.

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Pipe lying MB Anand Apartment

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			7.900	0.700	0.060	0.332		2.146	2.478
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.200	0.700	0.100	0.574		8.733	9.307
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.831		15.180	16.011
	Item No. 13 :- (B)Lowering & Laying of Polyethylene DWVC pipe of 200mm Dia	1			8.700			8.700		55.500	64.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.313			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	8.200	0.200	0.200	0.257			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.574			
								0.831			
		Net Qty = A - B						3.482		67.906	71.388
10/10/16	AND 13.1 To AND 13.2										
	CH9.60	578.138	577.438	577.338			0.800	0.790			
	CH14.50	578.178	577.498	577.398			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			2.900	0.700	0.630	1.279		80.791	82.070
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.700	0.100	0.203		4.130	4.333
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.700	0.060	0.122		2.478	2.600
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.500	0.700	0.100	0.245		9.307	9.552
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.355		16.011	16.366
	Item No. 13 :- (B)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			4.000			4.000		64.200	68.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.604			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	3.500	0.200	0.200	0.110			
	soling							0.000			



Signature



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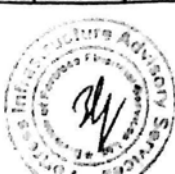
Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erection, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport),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

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Pipe lying MB Anand Apartment

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	IL	EX.L	L	B	D		Page	Quantity	
	PCC							0.000			
	Murum bedding							0.245			
								0.355			
								1.249		71.388	72.636
	AND 13.2 To AND 13.3										
	CH14.50	578.178	577.498	577.398				0.780			
	CH20.50	578.128	577.538	577.438				0.690			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.000	0.700	0.575	1.610		82.070	83.680
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.000	0.700	0.100	0.280		4.333	4.613
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.000	0.700	0.060	0.168		2.600	2.768
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.600	0.700	0.100	0.322		9.552	9.874
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.466		16.366	16.832
	Item No. 13 :- (B) Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			5.100			5.100		68.200	73.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.058			
	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			
	Murum bedding							0.322			
								0.466			
								1.592		72.636	74.228
	AND 13.3 To AND 13.4										
	CH20.50	578.128	577.538	577.438				0.690			
	CH25.40	578.128	577.598	577.498				0.630			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.700	0.500	1.015		83.680	84.695
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.700	0.100	0.203		4.613	4.816
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.700	0.060	0.122		2.768	2.890



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Pipe lying MB Anand Apartment

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Up Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.500	0.700	0.100	0.245		9.874	10.119
	Item No. : 11 Transportation of earth Transportation charges Including loading & unloading							0.355		16.832	17.187
	Item No. 13 :- (B)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			4.000			4.000		73.300	77.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.340			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	3.500	0.200	0.200	0.110			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.245			
								0.355			
	Net Qty = A - B							0.985		74.228	75.213
15/10/16	AND 13.4 To AND 13.5										
	CH25.40	578.128	577.598	577.498			0.630	0.645			
	CH30.10	578.118	577.558	577.458			0.660				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.700	0.700	0.485	0.917		84.695	85.611
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.700	0.700	0.100	0.189		4.816	5.005
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.700	0.700	0.060	0.113		2.890	3.003
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.300	0.700	0.100	0.231		10.119	10.350
	Item No. : 11 Transportation of earth Transportation charges Including loading & unloading							0.335		17.187	17.522
	Item No. 13 :- (B)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			3.800			3.800		77.300	81.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.219			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	3.300	0.200	0.200	0.104			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.231			
								0.335			
	Net Qty = A - B							0.884		75.213	76.097



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Pipe lying MB Anand Apartment

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
13/10/16	AND 13.5 To AND 13.6										
	CH30.10	578.118	577.558	577.458			0.660	0.650			
	CH34.40	578.088	577.548	577.448			0.640				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.300	0.700	0.490	0.789		85.611	86.400
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.300	0.700	0.100	0.161		5.005	5.166
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.300	0.700	0.060	0.097		3.003	3.100
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.900	0.700	0.100	0.203		10.350	10.553
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.294		17.522	17.816
	Item No. 13 :- (B)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			3.400			3.400		81.100	84.500
	Item No. 30 :- Refilling the excavated trenches ...							1.047			
	Total Excavation=										
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	2.900	0.200	0.200	0.091			
	soling							0.000			
	PCC							0.203			
	Murrum bedding							0.294			
	Net Qty = A - B							0.752		76.097	76.850
13/10/16	AND 13.6 To AND 13.7										
	CH34.40	578.088	577.548	577.448			0.640	0.605			
	CH40.90	578.128	577.658	577.558			0.570				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.500	0.700	0.445	1.402		86.400	87.802
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.500	0.700	0.100	0.315		5.166	5.481
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.500	0.700	0.060	0.189		3.100	3.289
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.100	0.700	0.100	0.357		10.553	10.910



Dr *Sw*



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Pipe lying MB Anand Apartment

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							0.517		17.816	18.333
	Item No. 13 :- (B)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			5.600			5.600		84.500	90.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.906			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	5.100	0.200	0.200	0.160			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.357			
								0.517			
		Net Qty = A - B						1.389		76.850	78.238
21/10/16	AND 13.7 To AND 13.8										
	CH40.90	578.128	577.658	577.558			0.570	0.560			
	CH44.60	578.218	577.768	577.668			0.550				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	0.700	0.400	0.476		87.802	88.278
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	0.700	0.100	0.119		5.481	5.600
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	0.700	0.060	0.071		3.289	3.360
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.300	0.700	0.100	0.161		10.910	11.071
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.233		18.333	18.566
	Item No. 13 :- (B)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			2.800			2.800		90.100	92.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.666			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	2.300	0.200	0.200	0.072			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.161			
								0.233			
		Net Qty = A - B						0.433		78.238	78.671
21/10/16	AND 13.8 To AND 13.9										
	CH44.60	578.218	577.768	577.668			0.550	0.580			
	CH52.50	578.248	577.738	577.638			0.610				



Signature

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Pipe lying MB Anand Apartment

Pipe lying MB Anand Apartment

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			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			5.900	0.700	0.420	1.735		88.278	90.012
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.900	0.700	0.100	0.413		5.600	6.013
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			5.900	0.700	0.060	0.248		3.360	3.608
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.500	0.700	0.100	0.455		11.071	11.526
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.659		18.566	19.226
	Item No. 13 :- (B)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			7.000			7.000		92.900	99.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.395			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	6.500	0.200	0.200	0.204			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.455			
								0.659			
								1.736		78.671	80.408
	Net Qty = A - B										
23/10/16	AND 13.5 To AND 11.3										
	CH0.00	578.118	577.558	577.458			0.660	0.940			
	CH16.50	578.098	576.978	576.878			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			14.500	0.700	0.780	7.917		90.012	97.929
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.500	0.700	0.100	1.015		6.013	7.028
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			14.500	0.700	0.060	0.609		3.608	4.217
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			15.100	0.700	0.100	1.057		11.526	12.583
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.531		19.226	20.757



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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 Anand Apartment

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. 13 :- (B)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			15.600			15.600		99.900	115.500
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							9.541			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	15.100	0.200	0.200	0.474			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.057			
								1.531			
		Net Qty = A - B						8.010		80.408	88.418



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

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Anand Apartment - Meas. SW 200

14th RA BILL MEASUREMENTS PIPE ANAAND APARTMENT

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	SW PIPE - 200 mm Dia										
	200mm dia (Width of Trench -0.200+0.02+0.02+0.5=0.740m)										
	For Width of Trench							0.0m to 1.5m		0.0m to 3.0m	0.0m to 4.5m
	Calculation Outer dia of Pipe + 0.50 for Bottom and Add 0.4 for Subsequent upper Lifts.							0.740		1.140	1.540
										0.740	1.140
											0.740
	AND 17 To AND 18										
	CH91.20	578.758	577.998	577.898			0.860	0.880			
	CH103.20	578.878	578.078	577.978			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			10.000	0.740	0.780	5.772		97.929	103.701
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.000	0.740	0.100	0.740		7.028	7.768
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.600	0.740	0.100	0.784		12.583	13.367
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.187		20.757	21.944
	Extra Item 9.2 (c) :-Lowering & Laying of Polyethylene SW pipe of 200mm Dia	1			11.100			11.100			11.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.512			
	Deduction										
	pipe area	1		0.785	10.600	0.220	0.220	0.403			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.784			
								1.187			
	Net Qty = A - B							5.325		88.418	93.742
	AND 18 To AND 19										
	CH103.20	578.878	578.078	577.978			0.900	0.760			
	CH113.50	579.108	578.588	578.488			0.620				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.300	0.740	0.660	4.054		103.701	107.755
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.300	0.740	0.100	0.614		7.768	8.382



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at 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 nine line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

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Anand Apartment - Meas. SW 200

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			8.900	0.740	0.100	0.659		13.367	14.026
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.997		21.944	22.941
	Extra Item 9.2 (c) :-Lowering & Laying of Polyethylene SW pipe of 200mm Dia	1			9.400			9.400		11.100	20.500
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=										
	Deduction							4.668			
	pipe area	1			0.785	8.900	0.220	0.220			
	soling							0.338			
	PCC							0.000			
	Murum bedding							0.000			
								0.659			
								0.997			
21/11/16	AND 19 To AND 20				Net Qty = A - B			3.671		93.742	97.414
	CH113.50	579.108	578.588	578.488							
	CH120.80	579.348	578.858	578.758			0.620	0.605			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.						0.590				
	(a) For Lift 0 to 1.5m	1									
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.				5.300	0.740	0.505	1.981		107.755	109.736
	(a) For Lift 0 to 1.5m	1									
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.300	0.740	0.100	0.392		8.382	8.774
					5.900	0.740	0.100	0.437		14.026	14.462
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.661		22.941	23.601
	Extra Item 9.2 (c) :-Lowering & Laying of Polyethylene SW pipe of 200mm Dia	1			6.400			6.400		20.500	26.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=										
	Deduction							2.373			
	pipe area	1									
	soling				0.785	5.900	0.220	0.220			
	PCC							0.000			
	Murum bedding							0.000			
								0.437			
								0.661			
21/11/16	AND 20 To AND 21				Net Qty = A - B			1.712		97.414	99.126
	CH120.80	579.348	578.858	578.758							
	CH127.60	579.608	579.058	578.958			0.590	0.620			
							0.650				



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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Anand Apartment - Meas. SW 200

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.800	0.740	0.520	1.847		109.736	111.583
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.800	0.740	0.100	0.355		8.774	9.130
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.400	0.740	0.100	0.400		14.462	14.862
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.605		23.601	24.206
	Extra Item 9.2 (c) :-Lowering & Laying of Polyethylene SW pipe of 200mm Dia	1			5.900			5.900		26.900	32.800
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.202			
	Deduction										
	pipe area	1		0.785	5.400	0.220	0.220	0.205			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.400			
								0.605			
								1.597		99.126	100.723
	AND 21 To AND 22										
	CH127.60	579.608	579.058	578.958			0.650	0.670			
	CH137.50	579.958	579.368	579.268			0.690				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.900	0.740	0.570	3.332		111.583	114.915
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.900	0.740	0.100	0.585		9.130	9.714
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.500	0.740	0.100	0.629		14.862	15.491
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.952		24.206	25.158
	Extra Item 9.2 (c) :-Lowering & Laying of Polyethylene SW pipe of 200mm Dia	1			9.000			9.000		32.800	41.800
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.917			
	Deduction										
	pipe area	1		0.785	8.500	0.220	0.220	0.323			



Signature

Signature



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(From No.52)

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

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

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Anand Apartment - Meas. SW 200

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							0.000			
	PCC							0.000			
	Murrum bedding							0.629			
								0.952			
		Net Qty = A - B						2.965		100.723	103.688
21/10/14	AND 22 To AND 23										
	CH137.50	579.958	579.368	579.268			0.690	0.690			
	CH146.10	580.058	579.468	579.368			0.690				
	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	0.740	0.590	2.882		114.915	117.797
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.600	0.740	0.100	0.488		9.714	10.203
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.600	0.740	0.000	0.000		4.217	4.217
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.200	0.740	0.100	0.533		15.491	16.024
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.806		25.158	25.964
	Extra Item 9.2 (c) :-Lowering & Laying of Polyethylene SW pipe of 200mm Dia	1			7.700			7.700		41.800	49.500
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.370			
	Deduction										
	pipe area	1		0.785	7.200	0.220	0.220	0.274			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.533			
								0.806			
		Net Qty = A - B						2.564		103.688	106.252
	Item No. : 35 Shifting of Existing Utilities Length considered up to 400 mm including all and as directed by Engineer In-Charge				0.229			0.229			0.229



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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Manhole MB Anand Apartment

11th R A BILL MEASUREMENTS OF CHAMBERS ANAND APARTMENT

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										
	For Area =2 X 2=4m										
	AND 11										
	CH15.80	578.238	577.428	577.178			1.060				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.060	3.328		0.000	3.328
	Item No. : 11 Transportation of earth Transportation charges							1.333		0.000	1.333
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.328			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.810	0.856			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.333			
		Net Qty = A - B						1.995		0.000	1.995
	AND 12										
	CH29.40	578.508	577.508	577.258			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	1.250	3.925		3.328	7.253
	Item No. : 11 Transportation of earth Transportation charges							1.534		1.333	2.867
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.925			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.000	1.056			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.534			
		Net Qty = A - B						2.391		1.995	4.386
	AND 13										
	CH32.10	578.258	577.598	577.348			0.910				
	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	0.910	2.857		7.253	10.111



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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Date	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. : 11 Transportation of earth Transportation charges							1.175		2.867	4.042
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.857			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.660	0.697			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.175			
	Net Qty = A - B							1.683		4.386	6.069
	AND 14										
	CH48.30	578.558	577.648	577.398			1.160				
	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	1.000	3.140		10.111	13.251
	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	0.100	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	0.060	0.188		0.000	0.188
	Item No. : 11 Transportation of earth Transportation charges							1.439		4.042	5.481
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.642			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.910	0.961			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.439			
	Net Qty = A - B							2.204		6.069	8.273
	AND 15										
	CH65.00	578.658	577.798	577.548			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	0.950	2.983		13.251	16.234
	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	0.100	0.314		0.314	0.628
	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	0.060	0.188		0.188	0.377



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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							1.386		5.481	6.867
	Item No. 30 :- Refilling the excavated trenches ...							3.485			
	Total Excavation(A)=										
	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			
	Murum bedding							0.000			
	Total (B)							1.386			
		Net Qty = A - B						2.099		8.273	10.372
	AND 16										
	CH77.80	578.748	577.968	577.718			1.030				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.870	2.732		16.234	18.966
	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	0.100	0.314		0.628	0.942
	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	0.060	0.188		0.377	0.565
	Item No. : 11 Transportation of earth Transportation charges							1.302		6.867	8.168
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.234			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.780	0.824			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.302			
		Net Qty = A - B						1.933		10.372	12.305
	AND 17										
	CH91.20	578.758	577.998	577.748			1.010				
	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	0.850	2.669		18.966	21.635
	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	0.100	0.314		0.942	1.256
	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	0.060	0.188		0.565	0.754



Signature



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Manhole MB Anand Apartment

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	Item No. : 11 Transportation of earth Transportation charges							1.280		8.168	9.449
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.171			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.760	0.803			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.280			
	Net Qty = A - B							1.891		12.305	14.196
	AND 18										
	CH103.20	578.878	578.078	577.828			1.050				
	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	0.950	2.983		21.635	24.618
	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	0.100	0.314		1.256	1.570
	Item No. : 11 Transportation of earth Transportation charges							1.323		9.449	10.771
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.297			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.800	0.845			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.323			
	Net Qty = A - B							1.974		14.196	16.170
	AND 19										
	CH113.50	579.108	578.588	578.338			0.770				
	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	0.670	2.104		24.618	26.721
	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	0.100	0.314		1.570	1.884
	Item No. : 11 Transportation of earth Transportation charges							1.027		10.771	11.798
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.418			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.520	0.549			



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at 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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N S A M. P. H. L. Infrastructure Pvt. Ltd. & GECBL (Joint Venture)

A

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Manhole MB Anand Apartment

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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							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.027			
		Net Qty = A - B						1.391		16.170	17.561
	AND 20										
	CH120.80	579.348	578.858	578.608			0.740				
	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	0.640	2.010		26.721	28.731
	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	0.100	0.314		1.884	2.198
	Item No. : 11 Transportation of earth Transportation charges							0.995		11.798	12.793
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.324			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.490	0.518			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							0.995			
		Net Qty = A - B						1.328		17.561	18.889
	AND 21										
	CH127.60	579.608	579.058	578.808			0.800				
	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	0.700	2.198		28.731	30.929
	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	0.100	0.314		2.198	2.512
	Item No. : 11 Transportation of earth Transportation charges							1.059		12.793	13.852
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.512			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.550	0.581			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.059			
		Net Qty = A - B						1.453		18.889	20.343
	AND 22										
	CH137.50	579.958	579.368	579.118			0.840				



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

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Manhole MB Anand Apartment

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	0.740	2.324		30.929	33.253
	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	0.100	0.314		2.512	2.826
	Item No. : 11 Transportation of earth Transportation charges							1.101		13.852	14.953
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.638			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.590	0.623			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.101			
		Net Qty = A - B						1.537		20.343	21.880
	AND 23										
	CH146.10	580.058	579.468	579.218			0.840				
	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	0.740	2.324		33.253	35.576
	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	0.100	0.314		2.826	3.140
	Item No. : 11 Transportation of earth Transportation charges							1.101		14.953	16.053
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.638			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.590	0.623			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.101			
		Net Qty = A - B						1.537		21.880	23.416
	AND 11.1										
	CH21.70	578.178	577.088	576.838			1.340				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.340	4.208		35.576	39.784
	Item No. : 11 Transportation of earth Transportation charges							1.629		16.053	17.682



Signature



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

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

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Manhole MB Anand Apartment

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Up to Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.208			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.090	1.151			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.629			
		Net Qty = A - B						2.579		23.416	25.995
	AND 11.3										
	CH35.50	578.098	576.978	576.728			1.370				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.370	4.302		39.784	44.086
	Item No. : 11 Transportation of earth Transportation charges							1.661		17.682	19.343
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.302			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.120	1.183			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.661			
		Net Qty = A - B						2.641		25.995	28.636
	AND 11.4										
	CH44.30	578.148	576.688	576.438			1.710				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710		44.086	48.796
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.210	0.659		0.000	0.659
	Item No. : 11 Transportation of earth Transportation charges							2.020		19.343	21.363
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.369			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.460	1.542			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							2.020			
		Net Qty = A - B						3.350		28.636	31.986
	AND 13.1										
	CH9.60	578.138	577.438	577.188			0.950				



Signature



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

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Manhole MB Anand Apartment

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	0.790	2.481		48.796	51.276
	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	0.100	0.314		3.140	3.454
	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	0.060	0.188		0.754	0.942
	Item No. : 11 Transportation of earth Transportation charges							1.217		21.363	22.580
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.983			
	Deduction										
	Brick work	1			0.785	1.160	1.160	0.739			
	soling							0.000			
	PCC	1			0.785	1.560	1.560	0.250			
	Murrum bedding							0.000			
	Total (B)							1.217			
		Net Qty = A - B						1.766		31.986	33.752
	AND 13.2										
	CH14.50	578.178	577.498	577.248			0.930				
	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	0.770	2.418		51.276	53.694
	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	0.100	0.314		3.454	3.768
	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	0.060	0.188		0.942	1.130
	Item No. : 11 Transportation of earth Transportation charges							1.196		22.580	23.776
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.920			
	Deduction										
	Brick work	1			0.785	1.160	1.160	0.680		0.718	
	soling							0.000			
	PCC	1			0.785	1.560	1.560	0.250		0.478	
	Murrum bedding							0.000			
	Total (B)							1.196			
		Net Qty = A - B						1.724		33.752	85.476
	AND 13.3										
	CH20.50	578.128	577.538	577.288			0.840				



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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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	0.680	2.135		53.694	55.829
	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	0.100	0.314		3.768	4.082
	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	0.060	0.188		1.130	1.319
	Item No. : 11 Transportation of earth Transportation charges							1.101		23.776	24.876
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.638			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.590	0.623			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.101			
	Net Qty = A - B							1.537		35.476	37.013
	AND 13.4										
	CH25.40	578.128	577.598	577.348			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			0.785	4.000	0.620	1.947		55.829	57.776
	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	0.100	0.314		4.082	4.396
	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	0.060	0.188		1.319	1.507
	Item No. : 11 Transportation of earth Transportation charges							1.037		24.876	25.914
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.449			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.530	0.560			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.037			
	Net Qty = A - B							1.412		37.013	38.425
	AND 13.5										
	CH30.10	578.118	577.558	577.308			0.810				



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AURANGABAD MUNICIPAL CORPORATION.

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Manhole MB Anand Apartment

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	0.650	2.041		57.776	59.817
	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	0.100	0.314		4.396	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	0.060	0.188		1.507	1.696
	Item No. : 11 Transportation of earth Transportation charges							1.069		25.914	26.983
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.543			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.560	0.592			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.069			
	Net Qty = A - B							1.474		38.425	39.899
	AND 13.6										
	CH34.40	578.088	577.548	577.298			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			0.785	4.000	0.630	1.978		59.817	61.795
	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	0.100	0.314		4.710	5.024
	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	0.060	0.188		1.696	1.884
	Item No. : 11 Transportation of earth Transportation charges							1.048		26.983	28.031
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.481			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.540	0.570			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.048			
	Net Qty = A - B							1.433		39.899	41.332
	AND 13.7										
	CH40.90	578.128	577.658	577.408			0.720				



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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Manhole MB Anand Apartment

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	0.560	1.758		61.795	63.554
	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	0.100	0.314		5.024	5.338
	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	0.060	0.188		1.884	2.072
	Item No. : 11 Transportation of earth Transportation charges							0.974		28.031	29.005
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.261			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.470	0.496			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							0.974			
	Net Qty = A - B							1.287		41.332	42.618
	AND 13.8										
	CH44.60	578.218	577.768	577.518			0.700				
	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	0.540	1.696		63.554	65.249
	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	0.100	0.314		5.338	5.652
	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	0.060	0.188		2.072	2.261
	Item No. : 11 Transportation of earth Transportation charges							0.953		29.005	29.958
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.198			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.450	0.475			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							0.953			
	Net Qty = A - B							1.245		42.618	43.863
	AND 13.9										
	CH52.50	578.248	577.738	577.488			0.760				



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at 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. :- 90
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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Manhole MB Anand Apartment

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	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		65.249	67.133
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000		0.659	0.659
	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	0.100	0.314		5.652	5.966
	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	0.060	0.188		2.261	2.449
	Item No. : 11 Transportation of earth Transportation charges							1.016		29.958	30.974
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.386			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.510	0.539			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.016			
	Net Qty = A - B							1.370		43.863	45.233



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