

AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

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Kanchanwadi Dakshin Vihar - Meas. Pipe

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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
		Net Qty = A - B						80.96		462.727	543.685
18/11/16	KD 05 to KD 06										
	CH1166.00	548.700	544.700	544.600			4.100	4.150			
	CH1179.00	548.800	544.700	544.600			4.200				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.800	1.615	1.150	18.201	287.748	305.949	
	(b) For Lift 1.5 to 3.0m	1			9.800	1.215	1.500	17.861	198.667	216.527	
	(c) For Lift 3.0 to 4.5m	1			9.800	0.815	1.150	9.185	38.965	48.150	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.800	1.615	0.125	1.978	30.927	32.906	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			9.800	1.615	0.050	0.791	14.162	14.953	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.800	0.815	0.100	0.880	14.154	15.034	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.721	26.784	28.505	
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			11.500			11.500	159.250	170.750	
	Item No. 30 :- Refilling the excavated trenches ...							48.016			
	Total Excavation=										
	Deduction of 315mm dia pipe pipe area	1.00		0.785	10.80	0.315	0.315	0.84			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.88			
								1.72			
								46.29	543.685	589.980	
21/11/16	KD 06 to KD 07										
	CH1179.00	548.800	544.700	544.600			4.200	4.250			
	CH209.00	548.900	544.700	544.600			4.300				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			26.800	1.615	1.500	64.923	305.949	370.872	
	(b) For Lift 1.5 to 3.0m	1			26.800	1.215	1.500	48.843	216.527	265.370	
	(c) For Lift 3.0 to 4.5m	1			26.800	0.815	0.500	10.921	48.150	59.071	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(c) For Lift 3.0 to 4.5m	1			26.800	0.815	0.750	16.382	0.000	16.382	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			27.800	0.815	0.100	2.266	15.034	17.300	



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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 Sabm Vh. 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 S.T.D. for Aurangabad, CIDCO.

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Kanchanwadi Dakshin Vihar - Meas. Pipe

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							4.431		28.505	32.936
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			28.500			28.500		170.750	199.250
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							141.069			
	Deduction of 315mm dia pipe										
	pipe area	1.00		0.785	27.80	0.315	0.315	2.17			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							2.27			
								4.43			
	Net Qty = A - B							136.64		589.980	726.618
	KD 07 to KD 08										
	CH209.00	548.900	544.700	544.600							
	CH239.00	549.150	544.750	544.650			4.300				
							4.500	4.400			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			26.800	1.615	1.500	64.923		370.872	435.795
	(b) For Lift 1.5 to 3.0m	1			26.800	1.215	1.500	48.843		265.370	314.213
	(c) For Lift 3.0 to 4.5m	1			26.800	0.815	1.000	21.842		59.071	80.913
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(c) For Lift 3.0 to 4.5m	1			26.800	0.815	0.400	8.737		16.382	25.118
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			27.800	0.815	0.100	2.266		17.300	19.566
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							4.431		32.936	37.367
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			28.500			28.500		199.250	227.750
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							144.345			
	Deduction of 315mm dia pipe										
	pipe area	1.00		0.785	27.80	0.315	0.315	2.17			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							2.27			
								4.43			
	Net Qty = A - B							139.91		726.618	866.532
	DWC - 250mm Dia										
	Width of Trench -										
	For Lift 0 to 1.50m -										
	0.250+0.5=0.750m										
	For Lift 1.5 to 3.00m -										
	0.250+0.5+0.4=1.150m										





AURANGABAD MUNICIPAL CORPORATION.

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

Kanchanwadi Dakshin Vihar - Meas. Pipe

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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			16.400	1.550	1.500	38.130		571.110	609.240
	(b) For Lift 1.5 to 3.0m	1			16.400	1.150	1.500	28.290		414.608	442.898
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(c) For Lift 3.0 to 4.5m	1			16.400	0.750	0.250	3.075		46.943	50.018
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			16.900	0.750	0.100	1.268		24.043	25.311
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.097		44.774	46.870
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			17.250			17.250		60.750	78.000
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							69.495			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	16.90	0.250	0.250	0.83			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.27			
								2.10			
								67.40		1155.994	1223.392
	Net Qty = A - B										
30/11/16	KD 10 to KD 11										
	CH320.00	547.750	544.900	544.800			2.950	2.675			
	CH348.00	547.250	544.950	544.850			2.400				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			24.800	1.150	1.500	42.780		609.240	652.020
	(b) For Lift 1.5 to 3.0m	1			24.800	0.750	1.175	21.855		442.898	464.753
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			25.800	0.750	0.100	1.935		25.311	27.246
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.201		46.870	50.071
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			26.500			26.500		78.000	104.500
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							64.635			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	25.80	0.250	0.250	1.27			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.94			



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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 Sahib Abi. 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 Garden, Zalta, Padegaon, CIDCO (Airport), Siddharth Garden, Padegaon, Gobwadi, Zalta, Ward of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Gobwadi, 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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Kanchanwadi Dakshin Vihar - Meas. Pipe

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
							3.20				
							61.43	1223.392	1284.826		
	Net Qty = A - B										
11-11-16	KD 11 to KD 12										
	CH348.00	547.250	544.950	544.850			2.400	2.300			
	CH378.00	547.080	544.980	544.880			2.200				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			26.800	1.150	1.500	46.230	652.020	698.250	
	(b) For Lift 1.5 to 3.0m	1			26.800	0.750	0.800	16.080	464.753	480.833	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			27.800	0.750	0.100	2.085	27.246	29.331	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.449	50.071	53.520	
	Item No. 13 :- (c) Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			28.500			28.500	104.500	133.000	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							62.310			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	27.80	0.250	0.250	1.36			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							2.09			
								3.45			
								58.86	1284.826	1343.687	
	Net Qty = A - B										
11-11-16	KD 12 to KD 13										
	CH378.00	547.080	544.980	544.880			2.200	2.200			
	CH398.00	547.100	545.000	544.900			2.200				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.400	1.150	1.500	31.740	698.250	729.990	
	(b) For Lift 1.5 to 3.0m	1			18.400	0.750	0.700	9.660	480.833	490.493	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			18.900	0.750	0.100	1.418	29.331	30.748	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.345	53.520	55.865	
	Item No. 13 :- (c) Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			19.250			19.250	133.000	152.250	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavations=							41.400			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	18.90	0.250	0.250	0.93			
	soling							0.00			
	PCC							0.00			



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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

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Kanchanwadi Dakshin Vihar - Meas. Pipe

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC							0.00			
	Murum bedding							1.34			
								2.21			
		Net Qty = A - B						32.13	1413.564	1445.691	
12/16	KD 14 to KD 15										
	CH434.00	546.700	545.100	545.000			1.700				
	CH464.00	546.400	545.100	545.000			1.400	1.550			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			28.700	0.750	1.500	32.288	783.810	816.098	
	(b) For Lift 1.5 to 3.0m	1			28.700	0.750	0.050	1.076	503.678	504.754	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			29.100	0.750	0.100	2.183	33.201	35.383	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.610	59.922	63.532	
	Item No. 13 :- (c) Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			29.400			29.400	186.000	215.400	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							33.364			
	Deduction of 250mm dia pipe										
	pipe area	1.00			0.785	29.10	0.250	0.250	1.43		
	soling							0.00			
	PCC							0.00			
	Murum bedding							2.18			
								3.61			
		Net Qty = A - B						29.75	1445.691	1475.444	
	CH464.00	546.400	545.100	545.000			1.400				
	CH492.00	546.300	545.100	545.000			1.300	1.350			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			26.700	0.750	1.350	27.034	816.098	843.132	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			27.100	0.750	0.100	2.033	35.383	37.416	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.362	63.532	66.894	
	Item No. 13 :- (c) Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			27.400			27.400	215.400	242.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							27.034			
	Deduction of 250mm dia pipe										
	pipe area	1.00			0.785	27.10	0.250	0.250	1.33		
	soling							0.00			





AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Sahm Ah. 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 S.P.D for Aurangabad City.

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Kanchanwadi Dakshin Vihar - Meas. Pipe

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC							0.00			
	Murrum bedding							2.03			
								3.36			
		Net Qty = A - B						23.67	1475.444	1499.116	
5/12/16	KD 15 to KD 16										
	CH492.00	546.300	545.100	545.000			1.300	1.200			
	CH523.00	546.100	545.100	545.000			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			29.000	0.750	1.200	26.100	843.132	869.232	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			29.600	0.750	0.100	2.220	37.416	39.636	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.672	66.894	70.566	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			30.100			30.100	242.800	272.900	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							26.100			
	Deduction of 250mm d/a pipe										
	pipe area	1.00		0.785	29.60	0.250	0.250	1.45			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							2.22			
								3.67			
		Net Qty = A - B						22.43	1499.116	1521.544	
5/12/16	KD 16 to KD 17										
	CH523.00	546.100	545.100	545.000			1.100	1.000			
	CH554.00	545.900	545.100	545.000			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			29.000	0.750	1.000	21.750	869.232	890.982	
	(b) For Lift 1.5 to 3.0m	1			29.000	0.750	0.000	0.000	504.754	504.754	
	(c) For Lift 3.0 to 4.5m	1			29.000	0.750	0.000	0.000	117.663	117.663	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			29.000	0.750	0.000	0.000	32.906	32.906	
	(c) For Lift 3.0 to 4.5m	1			29.000	0.750	0.000	0.000	50.018	50.018	
	(d) For Lift 4.5 to 6.0m	1			29.000	0.750	0.000	0.000	2.584	2.584	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			29.000	0.750	0.000	0.000	14.953	14.953	
	(b) For Lift 1.5 to 3.0m	1			29.000	0.750	0.000	0.000	3.189	3.189	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			29.600	0.750	0.100	2.220	39.636	41.856	



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Sahm Ah. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshirawadi (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 Nakshirawadi (Kanchanwadi) S/P and Ward No.98 to S/P for Aurangabad City.

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

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

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Kanchanwadi Dakshin Vihar - Meas. Pipe

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.672		70.566	74.239
	Item No. 13 :- (c) Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			30.100			30.100		272.900	303.000
	Item No. 13 :- (d) Lowering & Laying of Polyethylene DWC pipe of 315mm Dia										227.750
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=										
	Deduction of 250mm dia pipe pipe area							21.750			
	soling	1.00		0.785	29.60	0.250	0.250	1.45			
	PCC							0.00			
	Murram bedding							0.00			
								2.22			
								3.67			
								18.08		1521.544	1539.621



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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 Safim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main and 100 mm dia line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Book No. :-

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Kanchanwadi Dakshin Vihar 1.5m MH Excavation

12th RA BILL MEASUREMENTS

BRANCH SEWER AT KANCHANWADI NEAR DAKSHIN VIHAR

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - For 1.50m dia Manhole (upto a depth of 2.0m to 5.0m)- 1.50+0.35+0.35+0.5+0.5=3.20m										
	Breadth for Manhole=3.2*3.2=10.24m										
	KD 1										
	CH15.00	546.150	543.600	543.350			2.800				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	1.390	11.173	0.000	11.173	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.110	0.884	0.000	0.884	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.300	10.450	0.000	10.450	
	Item No. : 11 Transportation of earth Transportation charges							7.274	0.000	7.274	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							22.508			
	Deduction										
	Brick work	1		0.785	2.280	2.280	0.550	2.244			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								7.274			
								15.233	0.000	15.233	
	KD 2										
	CH45.00	547.200	544.500	544.250			2.950				
	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	10.240	1.500	12.058	11.173	23.231	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.450	11.656	0.000	11.656	
	Item No. : 11 Transportation of earth Transportation charges							7.886	7.274	15.160	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							23.713			
	Deduction										
	Brick work	1		0.785	2.280	2.280	0.700	2.857			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								7.886			
								15.827	15.233	31.060	
	KD 3										
	CH83.00	547.700	544.700	544.450			3.250				
	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	10.240	1.500	12.058	23.231	35.209	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058	11.656	23.713	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.250	2.010	0.000	2.010	



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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 G.R.P.D.I pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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Page No. :- **172**

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Kanchanwadi Dakshin Vihar 1.5m MH Excavation

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges							9.110		15.160	24.271
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=										
	Deduction							26.125			
	Brick work	1		0.785	2.280	2.280	1.000	4.081			
	PCC	1		0.785	1.540	1.540	2.000	3.723			
	Soling	1		0.785	2.580	2.580	0.250	1.306			
								0.000			
								9.110			
	KD 4							17.014		31.060	48.075
	CH128.00	548.200	544.700	544.450							
	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	10.240	1.150	9.244		35.289	44.533
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		23.713	35.771
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.750	6.029		2.010	8.038
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.250	2.010		0.000	2.010
	Item No. 4 :- Excavation for foundation/pipe trenches in soft										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.100	0.804		0.884	1.688
	Item No. : 11 Transportation of earth Transportation charges							11.151		24.271	35.422
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							30.144			
	Deduction										
	Brick work	1		0.785	2.280	2.280	1.500	6.121			
	PCC	1		0.785	1.540	1.540	2.000	3.723			
	Soling	1		0.785	2.580	2.580	0.250	1.306			
								0.000			
								11.151			
	KD 5							18.993		48.075	67.068
	CH166.00	548.700	544.700	544.450							
	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	10.240	1.150	9.244		44.533	53.777
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		35.771	47.828
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.250	10.048		8.038	18.086
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.250	2.010		2.010	4.019
	Item No. 4 :- Excavation for foundation/pipe trenches in soft										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.100	0.804		1.688	2.492
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.000	0.000		10.450	10.450
	Item No. : 11 Transportation of earth Transportation charges							13.191		35.422	48.613



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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 Salun Ah Construction, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CHCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CHCO (Airport), Providing, lowering, laying jointing and testing rising main pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP at Aurangabad City

Book No. :- **173**

Page No. :-

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Kanchanwadi Dakshin Vihar 1.5m MH Excavation

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavations=						34.163				
	Deduction										
	Brick work	1		0.785	2.280	2.280	2.000	8.161			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								13.191			
	Net Qty = A - B							20.972	67.068	88.040	
	KD 6										
	CH179.00	548.800	544.700	544.450			4.350				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils. Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	1.150	9.244	53.777	63.021	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058	47.828	59.886	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.350	10.852	18.086	28.938	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.250	2.010	4.019	6.029	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.100	0.804	2.492	3.296	
	Item No. : 11 Transportation of earth Transportation charges							13.599	48.613	62.212	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							34.967			
	Deduction										
	Brick work	1		0.785	2.280	2.280	2.100	8.570			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								13.599			
	Net Qty = A - B							21.368	88.040	109.408	
	KD 7										
	CH209.00	548.900	544.700	544.450			4.450				
	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	10.240	1.500	12.058	63.021	75.079	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058	59.886	71.944	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.500	4.019	28.938	32.957	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.950	7.636	0.000	7.636	
	Item No. : 11 Transportation of earth Transportation charges							14.007	62.212	76.220	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavations=							35.771			
	Deduction										
	Brick work	1		0.785	2.280	2.280	2.200	8.978			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			



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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 Sahin Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshirawadi (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 (RPM) line from Golwadi NPS to Nakshirawadi (Kanchanwadi) STP and Ward No.98 to

Book No. :- **174**
Page No. :-

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Kanchanwadi Dakshin Vihar 1.5m MH Excavation

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								14.007			
								Net Qty = A - B			
								21.764	109.408	131.171	
	KD 8										
	CH239.00	549.150	544.750	544.500			4.650				
	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	10.240	1.500	12.058	75.079	87.136	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058	71.944	84.001	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.000	8.038	32.957	40.996	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.500	4.019	7.636	11.656	
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	0.150	1.206	0.000	1.206	
	Item No. : 11 Transportation of earth Transportation charges							14.824	76.220	91.043	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							37.379			
	Deduction										
	Brick work	1		0.785	2.280	2.280	2.400	9.794			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								14.824			
								Net Qty = A - B			
								22.555	131.171	153.726	
	KD 9										
	CH282.00	549.250	544.800	544.550			4.700				
	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	10.240	1.500	12.058	87.136	99.194	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058	84.001	96.059	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.000	8.038	40.996	49.034	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.500	4.019	11.656	15.675	
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	0.200	1.608	1.206	2.813	
	Item No. : 11 Transportation of earth Transportation charges							15.028	91.043	106.071	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							37.780			
	Deduction										
	Brick work	1		0.785	2.280	2.280	2.450	9.998			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.000	0.000			
								15.028			
								Net Qty = A - B			
								22.753	153.726	176.479	
	KD 10										
	CH320.00	547.750	544.850	544.600			3.150				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										



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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 Sabhi Ah. Constructing, Freeting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CHCO (Airport), Construction, Freection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CHCO (Airport), Providing, lowering, laying jointing and testing rising main G.R.P. DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) S/P and Ward No.98 to S/P for Aurangabad City.

Book No. :- 176
Page No. :-

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

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

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Kanchanwadi Dakshin Vihar 1.5m MH Excavation

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1									
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058			
	Item No. : 11 Transportation of earth				0.785	10.240	0.900	7.235	135.367	147.424	
	Transportation charges								123.389	130.624	
	Item No. 30 :- Refilling the excavated trenches ...							5.642	126.465	132.107	
	Total Excavation=										
	Deduction							19.292			
	Brick work	1		0.785	2.280	2.280	0.150	0.612			
	PCC	1		0.785	1.540	1.540	2.000	3.723			
	Soling	1		0.785	2.580	2.580	0.250	1.306			
				0.785	2.580	2.580	0.000	0.000			
								5.642			
	KD 14							13.650	220.794	234.444	
	CH434.00	546.700	545.100	544.850			1.850				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1									
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058	147.424	159.482	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.900	7.235	130.624	137.859	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.				0.785	10.240	0.000	0.000	49.034	49.034	
	(a) For Lift 0 to 1.5m	1									
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.000	0.000	6.029	6.029	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.000	0.000	0.000	0.000	
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	0.000	0.000	16.881	16.881	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft				0.785	10.240	0.000	0.000	2.813	2.813	
	(a) For Lift 0 to 1.5m	1									
	Item No. : 11 Transportation of earth				0.785	10.240	0.000	0.000	3.296	3.296	
	Transportation charges							5.616	132.107	137.723	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=										
	Deduction							19.292			
	Brick work	1		0.785	2.280	2.280	0.600	2.448			
	PCC	1		0.785	1.540	1.540	1.000	1.862			
	Soling	1		0.785	2.580	2.580	0.250	1.306			
		1		0.785	2.580	2.580	0.000	0.000			
								5.616			
	Net Qty = A - B							13.676	234.444	248.120	



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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. :-

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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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Kanchanwadi Dakshin Vihar - Meas. Chember

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
		Net Qty = A - B						2.39		250.93	253.32
	KD 17										
	CH554.00	545.900	545.100	544.850			1.050				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	1.050	3.30			
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.000	0.00	167.96	171.26	
	(c) For Lift 3.0m to 4.5m	1.000			0.785	4.000	0.000	0.00	137.86	137.86	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.								49.03	49.03	
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.000	0.00			
	(c) For Lift 3.0m to 4.5m	1.000			0.785	4.000	0.000	0.00	6.03	6.03	
	(d) For Lift 4.5m to 6.0m	1.000			0.785	4.000	0.000	0.00	16.88	16.88	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.								2.81	2.81	
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.000	0.00	3.30	3.30	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.000	0.00	10.45	10.45	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.323	141.00	142.32	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.297			
	Deduction										
	Brick work	1.000		0.785	1.160	1.160	0.800	0.845			
	PCC	1.000		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.323			
								1.97	253.32	255.29	
		Net Qty = A - B									





AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

1 of 1

Kanchanwadi Dakshin Vihar - Details CHEMBER

17th R A BILL MEASUREMENTS CHEMBER DETAILS KANCHANWADI NEAR DAKSHIN VIHAR

SR NO	CHAINAGE	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 5 mtr For per 50 cm	Total Rebate Qty for 50 cm
			No				
			GL	IL	DEPTH		
A	Item,23: Providing and constructing on sewer.BBM manhole 1.5 m dia at bottom and 0.5 m dia at top and up to a depth of 5 M etc., complete						
1		KANCHANWADI					
1	CH15.00	KD 1	546.150	543.600	2.550	-2.450	-52.10
2	CH45.00	KD-2	547.200	544.500	2.700	-2.300	
3	CH83.00	KD 3	547.700	544.700	3.000	-2.000	
4	CH128.00	KD 4	548.200	544.700	3.500	-1.500	
5	CH166.00	KD 5	548.700	544.700	4.000	-1.000	
6	CH179.00	KD 6	548.800	544.700	4.100	-0.900	
7	CH209.00	KD 7	548.900	544.700	4.200	-0.800	
8	CH239.00	KD 8	549.150	544.750	4.400	-0.600	
9	CH282.00	KD 9	549.250	544.800	4.450	-0.550	
10	CH320.00	KD 10	547.750	544.850	2.900	-2.100	
11	CH348.00	KD 11	547.250	544.950	2.300	-2.700	
12	CH378.00	KD 12	547.080	544.980	2.100	-2.900	
13	CH414.00	KD 13	547.150	545.000	2.150	-2.850	
14	CH434.00	KD 14	546.700	545.100	1.600	-3.400	
						-26.050	-52.10
SR NO	CHAINAGE	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr For per 30 cm	Total Rebate Qty for 30 cm
			No				
			GL	IL	DEPTH		
A	Extra Item,02: Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1							
1	CH492.00	KD 15	546.300	545.100	1.200	-0.300	-3.00
2	CH523.00	KD 16	546.100	545.100	1.000	-0.500	
3	CH554.00	KD 17	545.900	545.100	0.800	-0.700	
						-1.500	-3.00



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work: To provide of Under ground Sewerage Collection system for Zone I to VI
 2. To provide of Sewerage Collection System, Excavation, Laying and Commissioning of Sewerage Treatment
 Plant using modern technology at Nakliwadi (Kanchanwadi), Banerwadi, Siddharth
 Garden, Padegaon, CHD O/Airport, Construction, Excavation, Laying and Commissioning
 of Sewerage pumping stations at Banerwadi, Siddharth Garden, Padegaon, Gulwadi, Zaha Ward

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Municipal Debidh Vihar - Quantity Abstract

QUANTITY ABSTRACT | 2th
KANCHANWADI BAKSHI VILHAR

Sl. No.	Description	ITEM 1		ITEM 2		ITEM 4		ITEM 7		ITEM 11		ITEM 12		ITEM 13		ITEM 23		ITEM 30		Extra Item 2		Extra Item 9.1		Extra Item 9.2				
		0-1.5	1.5-3.0	0-1.5	1.5-3.0	3.0-4.5	4.5-6	0-1.5	1.5-3.0	4.1	8.1	24	27	31	250	315	250	315	2.0 m	0-1.5 m	3.000	3.000	3.000	3.000	150mm	22.20	150mm	22.20
1	Excavation	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2	Laying	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
3	Commissioning	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Total																												

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Total up to	
Date	