

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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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. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		0.314	0.628
	Item No. : 11 Transportation of earth Transportation charges							2.442		2.611	5.054
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							6.625			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.860	1.96			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							2.44			
								4.18		4.52	8.70
	Net Qty = A - B										
	SBC2										
	CH6.60	565.350	563.700	563.450			1.900				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.300	4.082		8.164	12.246
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.400	1.256		4.333	5.589
	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		0.628	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	0.100	0.314		0.628	0.942
	Item No. : 11 Transportation of earth Transportation charges							2.220		5.054	7.274
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.966			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.65	1.74			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							2.22			
								3.75		8.70	12.45
	Net Qty = A - B										
	SBC3										
	CH10.70	565.400	563.850	563.600			1.800				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.300	4.082		12.246	16.328



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SB Colony Road-300dwcCHEMBER Measurement

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 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	1.410	4.427		20.410	24.837
	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		1.570	1.884
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		1.570	1.884
	Item No. : 11 Transportation of earth Transportation charges							1.914		11.430	13.344
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.055			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.360	1.44			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.91			
	Net Qty = A - B							3.14		19.37	22.51
	SBC6										
	CH23.00	565.930	564.400	564.150			1.780				
	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	1.300	4.082		24.837	28.919
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.280	0.879		7.253	8.133
	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		1.884	2.198
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		1.884	2.198
	Item No. : 11 Transportation of earth Transportation charges							2.094		13.344	15.438
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.589			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.530	1.62			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			



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

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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							
	Total (B)							2.09			
		Net Qty = A - B						3.50		22.51	26.01
	SBC7										
	CH28.90	565.980	564.500	564.250			1.730				
	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	1.300	4.082		28.919	33.001
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.230	0.722		8.133	8.855
	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		2.198	2.512
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		2.198	2.512
	Item No. : 11 Transportation of earth Transportation charges							2.041		15.438	17.479
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.432			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.480	1.56			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							2.04			
		Net Qty = A - B						3.39		26.01	29.40
	SBC8										
	CH34.40	565.930	564.500	564.250			1.680				
	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	1.300	4.082		24.837	28.919
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.180	0.565		7.253	7.819
	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		1.884	2.198
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		1.884	2.198
	Item No. : 11 Transportation of earth Transportation charges							1.988		13.344	15.332
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.275			



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

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SB Colony Road-300dwcCHEMBER Measurement

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.430	1.51			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.99			
		Net Qty = A - B							3.29	22.51	
	SBC9										
	CH38.30	566.130	564.700	564.450			1.680				
	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	1.300	4.082	28.919		
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.180	0.565	7.819		
	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		
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	2.198		
	Item No. 11 Transportation of earth Transportation charges							1.988	15.332		
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.275			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.430	1.51			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.99			
		Net Qty = A - B							3.29	25.80	
	SBC10										
	CH41.50	566.150	564.710	564.460			1.690				
	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	1.300	4.082	33.001		
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.190	0.597	8.384		
	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	2.512		
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	2.512		



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Name of work:- Completion of Underground Sewerage Collection system for Zone I to VI and Zone Salim AK Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Bancwadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Bancwadi, 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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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							1.999	17.320	19.319	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.307			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.440	1.52			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							2.00			
		Net Qty = A - B									
								3.31	29.09	32.40	
	SBC11										
	CH44.50	566.120	564.800	564.550			1.570				
	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	1.300	4.082	37.083	41.165	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.070	0.220	8.980	9.200	
	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. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	2.826	3.140	
	Item No. : 11 Transportation of earth Transportation charges							1.872	19.319	21.191	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.930			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.320	1.39			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.87			
		Net Qty = A - B									
								3.06	32.40	35.45	
	SBC12										
	CH47.20	566.140	564.810	564.560			1.580				
	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	1.300	4.082	41.165	45.247	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.080	0.251	9.200	9.451	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										



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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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Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	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	0.100	0.314		3.140	3.454
	Item No. : 11 Transportation of earth Transportation charges							1.882		21.191	23.073
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.961			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.330	1.40			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.88			
	Net Qty = A - B							3.08		35.45	38.53
	SBC13										
	CH52.30	566.220	565.000	564.750				1.470			
	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	1.270	3.988		45.247	49.235
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.000	0.000		9.451	9.451
	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	0.100	0.314		3.454	3.768
	Item No. : 11 Transportation of earth Transportation charges							1.766		23.073	24.840
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.616			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.220	1.29			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.77			
	Net Qty = A - B							2.85		38.53	41.38



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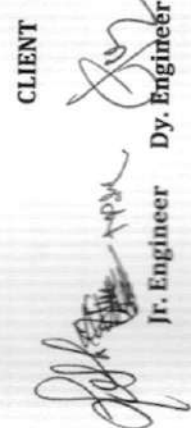
Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Vencture)

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

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1						7	8	9	10																																																																								
<p style="text-align: center;">QUANTITY ABSTRACT RA 9th SB COLONY ROAD</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">SR NO</th> <th rowspan="2">Discription</th> <th rowspan="2">MB/PG</th> <th colspan="2">ITEM 1</th> <th rowspan="2">ITEM 2</th> <th rowspan="2">ITEM 4</th> <th rowspan="2">ITEM 7</th> <th rowspan="2">ITEM 11</th> <th rowspan="2">ITEM 12</th> <th rowspan="2">ITEM 13</th> <th rowspan="2">ITEM 30</th> <th rowspan="2">ITEM 35</th> <th colspan="2">Extra Item 2</th> <th rowspan="2">Extra Item 2.a</th> </tr> <tr> <th>0-1.5</th> <th>1.5-3.0</th> <th>0-1.5</th> <th>0-1.5 m</th> <th>Rebate</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>For Pipe</td> <td></td> <td>46.846</td> <td>6.424</td> <td>3.632</td> <td>3.505</td> <td>6.775</td> <td>49.500</td> <td>49.500</td> <td>49.500</td> <td>53.759</td> <td>0.047</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>For Manhole</td> <td></td> <td>49.235</td> <td>9.451</td> <td>3.768</td> <td></td> <td>24.840</td> <td></td> <td></td> <td></td> <td>41.383</td> <td></td> <td></td> <td>14.000</td> <td></td> <td>0.333</td> </tr> <tr> <td></td> <td>Total</td> <td></td> <td>96.081</td> <td>15.875</td> <td>7.400</td> <td>3.505</td> <td>31.614</td> <td>49.500</td> <td>49.500</td> <td>49.500</td> <td>95.142</td> <td>0.047</td> <td>14.000</td> <td>14.000</td> <td></td> <td>0.333</td> </tr> </tbody> </table>										SR NO	Discription	MB/PG	ITEM 1		ITEM 2	ITEM 4	ITEM 7	ITEM 11	ITEM 12	ITEM 13	ITEM 30	ITEM 35	Extra Item 2		Extra Item 2.a	0-1.5	1.5-3.0	0-1.5	0-1.5 m	Rebate	1	For Pipe		46.846	6.424	3.632	3.505	6.775	49.500	49.500	49.500	53.759	0.047					2	For Manhole		49.235	9.451	3.768		24.840				41.383			14.000		0.333		Total		96.081	15.875	7.400	3.505	31.614	49.500	49.500	49.500	95.142	0.047	14.000	14.000		0.333
SR NO	Discription	MB/PG	ITEM 1		ITEM 2	ITEM 4	ITEM 7	ITEM 11	ITEM 12				ITEM 13	ITEM 30									ITEM 35	Extra Item 2		Extra Item 2.a																																																							
			0-1.5	1.5-3.0						0-1.5	0-1.5 m	Rebate																																																																					
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	Total		96.081	15.875	7.400	3.505	31.614	49.500	49.500	49.500	95.142	0.047	14.000	14.000		0.333																																																																	

CLIENT

Dy. Engineer Ex. Engineer

Jr. Engineer

Dy. Engineer



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

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

Page 1

Pipe Lying MB Kokanwadi-02

9th R A BILL MEASUREMENTS DWC PIPE KOKANWADI-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	DWC PIPE - 315 mm Dia	SURYA GRAHANIRMAN SOCIETY									
	Width of Trench - For Lift 0 to 1.50m- 0.315+0.5=0.815m										
	For Lift 1.5 to 3.00m- 0.315+0.5+0.4= 1.215m										
	For Lift 3.0 to 4.5m- 0.315+0.5+0.4+0.4+=1.615m										
	K12.0 to K 12.1										
	CH0.00	573.630	572.650	572.550			1.080	1.093			
	CH5.10	574.015	573.010	572.910			1.105				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.400	0.815	1.033	2.861	0.000	2.861	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.400	0.815	0.060	0.166	0.000	0.166	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.400	0.815	0.000	0.000	0.000	0.000	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.700	0.815	0.100	0.302	0.000	0.302	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.590	0.000	0.590	
	Item 12 :- (d)Lowering & Laying of DWC pipe of 315mm Dia	1			4.200			4.200	0.000	4.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.027			
	Deduction of 315mm dia pipe area	1		0.785	3.700	0.315	0.315	0.288			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.302			
								0.590			
								2.438	0.000	2.438	
	K 12.1 to K 12.2										
	CH5.10	574.015	573.010	572.910			1.105	1.072			
	CH19.90	574.430	573.490	573.390			1.040				



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

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Page No. :-

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

Page 2

Pipe Lying MB Kokanwadi-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.800	0.815	1.012	10.562		2.861	13.423
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.800	0.815	0.060	0.626		0.166	0.792
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
		1			13.400	0.815	0.100	1.092		0.302	1.394
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.136		0.590	2.726
	Item 12 :- (d) Lowering & Laying of DWC pipe of 315mm Dia	1			13.900			13.900		4.200	18.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							11.188			
	Deduction of 315mm dia pipe area	1		0.785	13.400	0.315	0.315	1.044			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.092			
								2.136			
								Net Qty = A - B		2.438	11.490
	K 12.2 to K 12.3										
	CH19.90	574.430	573.490	573.390			1.040	1.050			
	CH24.65	574.525	573.565	573.465			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			2.750	0.815	0.990	2.219		13.423	15.642
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.750	0.815	0.060	0.134		0.792	0.927
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
		1			3.350	0.815	0.100	0.273		1.394	1.667
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.534		2.726	3.260



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

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

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

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Pipe Lying MB Kokanwadi-02

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	PCC						0.000				
	Murum bedding						0.263				
							0.434				
		Net Qty = A - B						1.969	13.309	15.279	
	DWC PIPE - 315 mm Dia	BANSILAL NAGAR (IN FRONT OF TANDOOR HOTEL)									
	Width of Trench - For Lift 0 to 1.50m- 0.315+0.5=0.815m										
	For Lift 1.5 to 3.00m- 0.315+0.5+0.4= 1.215m										
	For Lift 3.0 to 4.5m- 0.315+0.5+0.4+0.4+=1.615m										
	BNT 01 to BNT 02										
	CH0.00	568.588	566.088	565.988			2.600	2.323			
	CH24.00	568.148	566.203	566.103			2.045				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			21.820	0.815	1.500	26.675	17.915	44.590	
	(b) For Lift 1.5m to 3.0m	1			21.820	0.815	0.823	14.627	0.000	14.627	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			21.820	0.815	0.000	0.000	1.057	1.057	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			22.320	0.815	0.100	1.819	1.929	3.748	
	Item No. : 11 Transportation of earth Transportation charges including loading &							3.558	3.694	7.251	
	Item 12 :- (d) Lowering & Laying of DWC pipe of 315mm Dia	1			22.820			22.820	21.950	44.770	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							41.302			
	Deduction of 315mm dia pipe										
	pipe area	1		0.785	22.320	0.315	0.315	1.739			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.819			
								3.558			
		Net Qty = A - B						37.744	15.279	53.023	

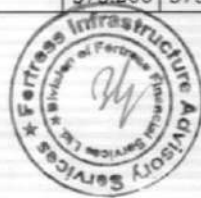


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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi,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

9th R A BILL MEASUREMENTS DWG PIPE KOKANWADI-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	DWC PIPE - 315 mm Dia	Part - I									
	Width of Trench - For Lift 0 to 1.50m- 0.315+0.5=0.815m										
	For Lift 1.5 to 3.00m- 0.315+0.5+0.4= 1.215m										
	For Lift 3.0 to 4.5m- 0.315+0.5+0.4+0.4+=1.615m										
	KW 0 to KW 01										
	CH0.00	574.940	573.590	573.490			1.450	1.450			
	CH9.00	574.970	573.620	573.520			1.450				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.300	0.815	1.200	7.139	44.590	51.730	
	(b) For Lift 1.5m to 3.0m	1			7.300	0.815	0.000	0.000	14.627	14.627	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.300	0.815	0.150	0.892	1.057	1.950	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			7.300	0.815	0.100	0.595	0.000	0.595	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.600	0.815	0.100	0.619	3.748	4.368	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.211	7.251	8.463	
	Item 12 :- (d) Lowering & Laying of DWG pipe of 315mm Dia	1			8.10			8.100	44.770	52.870	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation-							8.627			
	Deduction of 315mm dia pipe										
	pipe area	1		0.785	7.60	0.315	0.315	0.592			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.619			
								1.211			
		Net Qty = A - B						7.415	15.279	22.694	
	KW 01 to KW 02										
	CH9.00	574.970	573.620	573.520			1.450	1.525			
	CH23.40	575.200	573.700	573.600			1.600				



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

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Pipe Lying MB Kokanwadi-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.400	1.215	1.250	18.833		51.730	70.562
	(b) For Lift 1.5m to 3.0m	1			12.400	0.815	0.025	0.253		14.627	14.879
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.400	1.215	0.150	2.260		1.950	4.209
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			12.400	1.215	0.100	1.507		0.595	2.102
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.000	0.815	0.100	1.060		4.368	5.427
	Item No. : 11 Transportation of earth Transportation charges							2.072		8.463	10.535
	Item 12 :- (d)Lowering & Laying of DWC pipe of 315mm Dia	1			13.50			13.500		52.870	66.370
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							22.852			
	Deduction of 315mm dia pipe										
	pipe area	1		0.785	13.00	0.315	0.315	1.013			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.060			
								2.072			
								Net Qty = A - B			
	KW 02 to KW 03							20.780		22.694	43.474
	CH23.40	575.200	573.700	573.600			1.600				
	CH31.70	575.130	573.730	573.630			1.500	1.550			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.300	1.215	1.250	9.568		70.562	80.130
	(b) For Lift 1.5m to 3.0m	1			6.300	0.815	0.050	0.257		14.879	15.136
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.300	1.215	0.150	1.148		4.209	5.358
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										



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

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

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Pipe Lying MB Kokanwadi-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	pipe area	1		0.785	9.20	0.315	0.315	0.717			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.750			
								1.466			
		Net Qty = A - B						9.047		54.112	63.159
	KW 04 to KW 05										
	CH42.30	575.200	573.800	573.700			1.500				
	CH55.00	575.180	573.800	573.700			1.480	1.490			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.700	0.815	1.240	10.813		88.891	99.705
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.700	0.815	0.150	1.308		6.409	7.717
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			10.700	0.815	0.100	0.872		3.568	4.440
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.300	0.815	0.100	0.921		6.739	7.660
	Item No. : 11 Transportation of earth Transportation charges							1.801		13.101	14.902
	Item 12 :- (d) Lowering & Laying of DWC pipe of 315mm Dia	1			11.80			11.800		83.470	95.270
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							12.994			
	Deduction of 315mm dia pipe										
	pipe area	1		0.785	11.30	0.315	0.315	0.880			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.921			
								1.801			
		Net Qty = A - B						11.192		63.159	74.352
	KW 05 to KW 06										
	CH55.00	575.180	573.800	573.700			1.480				
	CH69.00	575.200	573.800	573.700			1.500	1.490			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.000	0.815	1.240	12.127		99.705	111.832



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

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

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Pipe Lying MB Kokanwadi-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.5=0.750m										
	For Lift 1.5 to 3.00m- 0.250+0.5+0.4= 1.150m										
	For Lift 3.0 to 4.5m- 0.250+0.5+0.4+0.4+=1.550m										
	KWD 0 to KWD 01										
	CH0.00	576.820	575.600	575.500			1.320	1.310			
	CH11.00	576.920	575.720	575.620			1.300				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.300	0.750	1.060	7.393	119.856	127.249	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.300	0.750	0.150	1.046	10.187	11.233	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			9.300	0.750	0.100	0.698	6.086	6.784	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.600	0.750	0.100	0.720	9.453	10.173	
	Item No. : 11 Transportation of earth Transportation charges							1.191	18.409	19.600	
	Item 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia	1			10.10			10.100	4.000	14.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							9.137			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	9.60	0.250	0.250	0.471			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.720			
								1.191			
								7.946	95.112	103.058	
	KWD 01 to KWD 02										
	CH11.00	576.920	575.720	575.620			1.300	1.235			
	CH22.20	577.120	576.050	575.950			1.170				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.200	0.750	0.985	6.797	127.249	134.046	

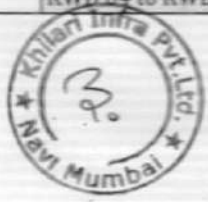


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Name of work:- Develop of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth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

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

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 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia	1			5.60			5.600	24.400	30.000	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.999			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	5.10	0.250	0.250	0.250			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.383			
								0.633			
								Net Qty = A - B	110.364	113.730	
	KWD 03 to KWD 04										
	CH28.70	577.340	576.240	576.140			1.200	1.150			
	CH44.70	577.710	576.710	576.610			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.000	0.750	0.900	9.450	137.201	146.651	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.000	0.750	0.150	1.575	12.774	14.349	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			14.000	0.750	0.100	1.050	7.811	8.861	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			14.600	0.750	0.100	1.095	11.291	12.386	
	Item No. : 11 Transportation of earth Transportation charges							1.811	21.448	23.260	
	Item 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia	1			15.10			15.100	30.000	45.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							12.075			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	14.60	0.250	0.250	0.716			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.095			
								1.811			
								Net Qty = A - B	113.730	123.994	
	KWD 04 to KWD 05										



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

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Date	Particulars of work	DETAILS					Content of arrears	Last measurment		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	CH44.70	577.710	576.710	576.610			1.100	1.100			
	CH64.70	578.070	577.070	576.970			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			18.000	0.750	0.850	11.475	146.651	158.126	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.000	0.750	0.150	2.025	14.349	16.374	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			18.000	0.750	0.100	1.350	8.861	10.211	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			18.600	0.750	0.100	1.395	12.386	13.781	
	Item No. : 11 Transportation of earth Transportation charges							2.308	23.260	25.567	
	Item 12 :- (c) Lowering & Laying of DWC pipe of 250mm Dia	1			19.10			19.100	45.100	64.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							14.850			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	18.60	0.250	0.250	0.913			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.395			
								2.308			
								Net Qty = A - B	12.542	123.994	
	KWD 05 to KWD 06										
	CH64.70	578.070	577.070	576.970			1.100	0.975			
	CH94.70	578.210	577.460	577.360			0.850				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			28.000	0.750	0.725	15.225	158.126	173.351	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			28.000	0.750	0.150	3.150	16.374	19.524	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										



Page

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			28.000	0.750	0.100	2.100		10.211	12.311
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			28.600	0.750	0.100	2.145		13.781	15.926
	Item No. : 11 Transportation of earth Transportation charges							3.548		25.567	29.115
	Item 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia	1			29.10			29.100		64.200	93.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							20.475			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	28.60	0.250	0.250	1.403			
	soling							0.000			
	PCC							0.000			
	Murum bedding							2.145			
								3.548			
								Net Qty = A - B		136.536	153.463
	KWD 06 to KWD 07										
	CH94.70	578.210	577.460	577.360			0.850	0.850			
	CH111.40	578.440	577.690	577.590			0.850				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.700	0.750	0.600	6.615		173.351	179.966
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.700	0.750	0.150	1.654		19.524	21.178
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			14.700	0.750	0.100	1.103		12.311	13.414
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			15.300	0.750	0.100	1.148		15.926	17.073
	Item No. : 11 Transportation of earth Transportation charges							1.898		29.115	31.014
	Item 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia	1			15.80			15.800		93.300	109.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							9.371			
	Deduction of 250mm dia pipe										



mpjg

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 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) STP and Ward No.98 to

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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							
	pipe area	1		0.785	15.30	0.250	0.250	0.751			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.148			
								1.898			
		Net Qty = A - B							7.473	153.463	160.936
	DWC PIPE - 200 mm Dia	Part - II									
	Width of Trench -										
	For Lift 0 to 1.50m- 0.200+0.5=0.700m										
	For Lift 1.5 to 3.00m- 0.200+0.5+0.4= 1.100m										
	For Lift 3.0 to 4.5m- 0.200+0.5+0.4+0.4+=1.500m										
	KWD 06 to KWD 06/01										
	CH0.00	578.210	577.460	577.360			0.850	0.875			
	CH7.00	578.440	577.640	577.540			0.900				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.300	0.700	0.625	2.319	179.966	182.285	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.300	0.700	0.150	0.557	21.178	21.734	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			5.300	0.700	0.100	0.371	13.414	13.785	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.600	0.700	0.100	0.392	17.073	17.465	
	Item No. : 11 Transportation of earth Transportation charges							0.568	31.014	31.581	
	Item 12 :- (b) Lowering & Laying of DWC pipe of 200mm Dia	1			6.10			6.100	0.000	6.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.246			
	Deduction of 200mm dia pipe										
	pipe area	1		0.785	5.60	0.200	0.200	0.176			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.392			
								0.568			
		Net Qty = A - B							2.678	160.936	163.615
	KWD06/01 to KWD06/02										



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim AB. 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) STP and Ward No.98 to STP for Aurangabad City.

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

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

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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	CH7.00	578.440	577.640	577.540			0.900	0.875			
	CH14.90	578.435	577.685	577.585			0.850				
	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	0.625	2.581	182.285	184.866	
	(b) For Lift 1.5m to 3.0m	1			5.900	0.700	0.000	0.000	15.136	15.136	
	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	0.150	0.620	21.734	22.354	
	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	0.100	0.413	13.785	14.198	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.500	0.700	0.100	0.455	17.465	17.920	
	Item No. : 11 Transportation of earth Transportation charges							0.659	31.581	32.241	
	Item 12 :- (b)Lowering & Laying of DWC pipe of 200mm Dia	1			7.00			7.000	6.100	13.100	
	Item 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia									109.100	
	Item 12 :- (d)Lowering & Laying of DWC pipe of 315mm Dia									118.770	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation:-							3.614			
	Deduction of 200mm dia pipe										
	pipe area	1		0.785	6.50	0.200	0.200	0.204			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.455			
								0.659			
								2.955	163.615	166.569	
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.20			0.20		0.20	



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Manhole MB Kokanwadi-02

9th R A BILL MEASUREMENTS OF CHEMBERS KOKANWADI-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - For 1.20 dia chamber (upto 2.0m depth)- 1.20+0.50+0.5+0.5=2.66m										
	Area for chamber upto 2m=2.66*2.66=7.075m										
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth -0.9+0.5+0.3+0.3=2m										
	Area for chamber up to 1.5m=2 X 2=4m										
	DWC PIPE - 315 mm Dia	Part - I									
	KW01										
	CH9.00	574.970	573.620	573.370			1.600				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.250	3.925	0.000	3.925	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.100	0.314	0.000	0.314	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.000	0.471	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.000	0.314	
	Item No. : 11 Transportation of earth Transportation charges							1.904	0.000	1.904	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.024			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.350	1.426			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.904			
		Net Qty = A - B						3.120	0.000	3.120	
	KW 02										
	CH23.40	575.200	573.700	573.450			1.750				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.250	3.925	3.925	7.850	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.250	0.785	0.314	1.099	



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

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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. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.471	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	0.100	0.314	0.314	0.628	
	Item No. : 11 Transportation of earth Transportation charges							2.062	1.904	3.966	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.495			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.500	1.584			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							2.062			
	Net Qty = A - B							3.433	3.120	6.553	
	KW 03										
	CH31.70	575.130	573.730	573.480			1.650				
	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	4.000	1.250	3.925	7.850	11.775	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.150	0.471	1.099	1.570	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.942	1.413	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.628	0.942	
	Item No. : 11 Transportation of earth Transportation charges							1.956	3.966	5.922	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.181			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.400	1.479			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.956			
	Net Qty = A - B							3.225	6.553	9.778	
	KW 04										



17/5/20

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Safai Ak. 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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Manhole MB Kokanwadi-02

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Brick work	1		0.785	1.160	1.160	1.380	1.458			
	soiling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	Total (B)							1.935			
		Net Qty = A - B							3.183	13.003	16.185
	KW 06										
	CH69.00	575.200	573.800	573.550			1.650				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.250	3.925	19.625	23.550	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.150	0.471	2.449	2.920	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	2.355	2.826	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	1.570	1.884	
	Item No. : 11 Transportation of earth Transportation charges							1.956	9.814	11.770	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.181			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.400	1.479			
	soiling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	Total (B)							1.956			
		Net Qty = A - B							3.225	16.185	19.410
	KW 07										
	CH73.80	575.210	573.810	573.560			1.650				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.250	3.925	23.550	27.475	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.150	0.471	2.920	3.391	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	2.826	3.297	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m				0.785	4.000	0.100	0.314	1.884	2.198	



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Manhole MB Kokanwadi-02

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		3.768	4.239
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		2.512	2.826
	Item No. : 11 Transportation of earth Transportation charges							1.745		15.525	17.270
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.553			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.200	1.268			
	soiling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.745			
					Net Qty = A - B			2.808		25.547	28.355
	KWD 02										
	CH22.20	577.120	576.050	575.800			1.320				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.070	3.360		35.168	38.528
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		4.239	4.710
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		2.826	3.140
	Item No. : 11 Transportation of earth Transportation charges							1.608		17.270	18.877
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.145			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.070	1.130			
	soiling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.608			
					Net Qty = A - B			2.537		28.355	30.892
	KWD 03										
	CH28.70	577.340	576.240	575.990			1.350				



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

Book No. :-

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Page No. :-

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Manhole MB Kokanwadi-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.100	3.454		38.528	41.982
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		4.710	5.181
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		3.140	3.454
	Item No. : 11 Transportation of earth Transportation charges							1.640		18.877	20.517
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.239			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.100	1.162			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.640			
								2.599		30.892	33.491
	KWD 04										
	CH44.70	577.710	576.710	576.460			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	1.000	3.140		41.982	45.122
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		5.181	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	0.100	0.314		3.454	3.768
	Item No. : 11 Transportation of earth Transportation charges							1.534		20.517	22.051
	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			



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

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Murrum bedding						0.000				
	Total (B)						1.534				
		Net Qty = A - B						2.391	33.491	35.882	
	KWD 05										
	CH64.70	578.070	577.070	576.820			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	1.000	3.140	45.122	48.262	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	5.652	6.123	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	3.768	4.082	
	Item No. : 11 Transportation of earth Transportation charges							1.534	22.051	23.585	
	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			
	soiling							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	35.882	38.273	
	KWD 06										
	CH94.70	578.210	577.460	577.210			1.000				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.750	2.355	48.262	50.617	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	6.123	6.594	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	4.082	4.396	
	Item No. : 11 Transportation of earth Transportation charges							1.270	23.585	24.855	
	Item No. 30 :- Refilling the excavated trenches ...										



MPKJE

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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Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Total Excavation(A)=						3.140				
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.792				
	soling						0.000				
	PCC	1		0.785	1.560	1.560	0.478				
	Murum bedding						0.000				
	Total (B)						1.270				
		Net Qty = A - B						1.870	38.273	40.143	
	KWD 07										
	CH111.40	578.440	577.690	577.440			1.000				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.750	2.355	50.617	52.972	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	6.594	7.065	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	4.396	4.710	
	Item No. : 11 Transportation of earth Transportation charges							1.270	24.855	26.124	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.140				
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.792				
	soling						0.000				
	PCC	1		0.785	1.560	1.560	0.478				
	Murum bedding						0.000				
	Total (B)						1.270				
		Net Qty = A - B						1.870	40.143	42.014	
	DWC PIPE - 200 mm Dia	Part - II									
	KWD 06/01	0.9 m X 0.6 m									
	CH7.00	578.440	577.640	577.390			1.050				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.800	2.720	52.972	55.692	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.150	0.510	7.065	7.575	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										



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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							
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.100	0.340		4.710	5.050
	Item No. : 11 Transportation of earth Transportation charges							1.752		26.124	27.876
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.570			
	Deduction										
	Brick work	1			1.400	1.100	0.800	1.232			
	soling							0.000			
	PCC	1			1.600	1.300	0.250	0.520			
	Murram bedding							0.000			
	Total (B)							1.752			
					Net Qty = A - B			1.818		42.014	43.832
	KWD 06/02										
	CH14.90	578.435	577.685	577.435			1.000				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.750	2.355		55.692	58.047
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000		3.391	3.391
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		7.575	8.046
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		5.050	5.364
	Item No. : 11 Transportation of earth Transportation charges							1.270		27.876	29.146
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.140			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.750	0.792			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	Total (B)							1.270			
					Net Qty = A - B			1.870		43.832	45.702
	K 12.1	SURYA GRAHANIRMAN SOCIETY									
	CH5.10	574.015	573.010	572.760			1.255				
	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	1.195	3.752		58.047	61.799
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000		3.391	3.391



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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							
	CH24.65	574.525	573.565	573.315			1.210				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.150	3.611	65.347	68.958	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000	3.391	3.391	
	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	0.060	0.188	8.423	8.611	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.000	0.000	5.364	5.364	
	Item No. : 11 Transportation of earth Transportation charges							1.492	32.156	33.648	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.799			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.960	1.014			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.492			
								Net Qty = A - B	2.308	50.369	
	K 12.4									52.677	
	CH29.55	574.740	573.690	573.440			1.300				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.240	3.894	68.958	72.852	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000	3.391	3.391	
	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	0.060	0.188	8.611	8.800	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.000	0.000	5.364	5.364	
	Item No. : 11 Transportation of earth Transportation charges							1.587	33.648	35.234	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.082			
	Deduction										



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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), Banowadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banowadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/PI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Anandnagar City.

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Page 1

Manhole Details Kokanwadi-02
9th R A BILL MEASUREMENTS CHEMBER DETAILS KOKANWADI-02

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr		Total Rebate Qty for 30 cm
		No			For per 30 cm		
		GL	IL	DEPTH			
A	Extra Item No. 02 : Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	KOKANWADI-02						
1	KW 01	574.970	573.620	1.350	1.500	-0.150	-17.667
2	KW 02	575.200	573.700	1.500	1.500	0.000	
3	KW 03	575.130	573.730	1.400	1.500	-0.100	
4	KW 04	575.200	573.800	1.400	1.500	-0.100	
5	KW 05	575.180	573.800	1.380	1.500	-0.120	
6	KW 06	575.200	573.800	1.400	1.500	-0.100	
7	KW 07	575.210	573.810	1.400	1.500	-0.100	
8	KW 08	575.080	573.830	1.250	1.500	-0.250	
10	KWD 01	576.920	575.720	1.200	1.500	-0.300	
11	KWD 02	577.120	576.050	1.070	1.500	-0.430	
12	KWD 03	577.340	576.240	1.100	1.500	-0.400	
13	KWD 04	577.710	576.710	1.000	1.500	-0.500	
14	KWD 05	578.070	577.070	1.000	1.500	-0.500	
15	KWD 06	578.210	577.460	0.750	1.500	-0.750	
16	KWD 07	578.440	577.690	0.750	1.500	-0.750	
17	KWD 06/02	578.435	577.685	0.750	1.500	-0.750	
	TOTAL					-5.300	

2	SURYA GRAHANIRMAN SOCIETY						
1	K 12.1	574.015	573.010	1.005	1.500	-0.495	-6.817
2	K 12.2	574.430	573.490	0.940	1.500	-0.560	
3	K 12.3	574.525	573.565	0.960	1.500	-0.540	
4	K 12.4	574.740	573.690	1.050	1.500	-0.450	
	TOTAL					-2.045	-6.817

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr		Total Rebate Qty for 30 cm
		No			For per 30 cm		
		GL	IL	DEPTH			
B	Extra Item No. 03 : Providing and constructing on sewer.BBM manhole 0.9 x 0.6 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	KOKANWADI-02						
1	KWD 06/01	578.440	577.640	0.800	1.500	-0.700	-2.333
	TOTAL					-0.700	-2.333

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 2.0 mtr		Total Rebate Qty for 50 cm
		No			For per 50 cm		
		GL	IL	DEPTH			
C	Item No. 21 : Providing and constructing on sewer.BBM manhole 1.2 m dia at bottom and 0.5 m dia at top and up to a depth of 2.0 M etc., complete						
1	KOKANWADI-02						
1	BNT 02	568.148	566.203	1.945	2.000	-0.055	-0.110
	TOTAL					-0.055	-0.110



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