

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

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Kokanwadi Meas. DWC

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.400	0.750	0.100	0.105		3.649	3.754
	Item No. : 11 Transportation of earth Transportation charges							0.174		6.717	6.891
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			1.900			1.900		20.070	21.970
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>0.837</b>			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.000		0.785	1.400	0.250	0.250	0.069			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.105			
								<b>0.174</b>			
								<b>Net Qty = A - B</b>			
	<b>KW 17.5 to KW 17.6</b>							<b>0.663</b>		<b>56.652</b>	<b>57.315</b>
	CH357.90	575.450	574.140	574.040			1.410				
	CH361.40	575.560	574.140	574.040			1.520	1.465			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.500	0.750	1.165	1.311		49.219	50.529
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.500	0.750	0.150	0.169		6.249	6.418
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.500	0.750	0.150	0.169		6.249	6.418
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.100	0.750	0.100	0.158		3.754	3.912
	Item No. : 11 Transportation of earth Transportation charges							0.261		6.891	7.152
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			2.600			2.600		21.970	24.570
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>1.648</b>			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.000		0.785	2.100	0.250	0.250	0.103			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.158			
								<b>0.261</b>			
								<b>Net Qty = A - B</b>			
	<b>KW 17.6 to KW 17.7</b>							<b>1.388</b>		<b>57.315</b>	<b>58.703</b>
	CH361.40	575.560	574.140	574.040			1.520				



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim AE. 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 at Padegaon SPS.

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Kokanwadi Meas. DWC

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			11.900	0.815	0.740	7.177		81.417	88.594
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.900	0.815	0.350	3.394		11.312	14.706
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			11.900	0.815	0.150	1.455		10.566	12.021
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			12.500	0.815	0.100	1.019		6.986	8.005
	Item No. : 11 Transportation of earth Transportation charges							1.992		12.348	14.340
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			13.000			13.000		5.500	18.500
	Item No. 30 :- Refilling the excavated trenches ...							12.026			
	Total Excavation=										
	Deduction of 315mm dia pipe pipe area	1.000		0.785	12.500	0.315	0.315	0.974			
	soiling							0.000			
	PCC							1.019			
	Murrum bedding							1.992			
	Net Qty = A - B							10.034		93.758	103.792
	KW 15.2 R to KW 15.3 R										
	CH428.50	574.810	573.630	573.530			1.280	1.315			
	CH431.00	574.930	573.680	573.580			1.350				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.500	0.750	0.815	0.306		88.594	88.900
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.500	0.750	0.350	0.131		14.706	14.838
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.500	0.750	0.150	0.056		12.021	12.077
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			1.100	0.750	0.100	0.083		8.005	8.087
	Item No. : 11 Transportation of earth Transportation charges							0.136		14.340	14.476



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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)

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

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Kokanwadi Meas. DWC

Date	Particulars of work	DETAILS					Content of arrears	Last measurment		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			19.000	0.750	0.750	10.688		109.873	120.561
	(b) For Lift 1.5m to 3.0m	1			19.000	0.750	0.000	0.000		2.810	2.810
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			19.000	0.750	0.350	4.988		22.844	27.831
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			19.000	0.750	0.150	2.138		15.508	17.646
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			19.600	0.750	0.100	1.470		10.555	12.025
	Item No. : 11 Transportation of earth Transportation charges							2.432		18.558	20.990
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			20.100			20.100		36.500	120.770
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia										48.190
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>17.813</b>			
	Deduction of 250mm dia pipe pipe area	1.000			0.785	19.600	0.250	0.250	0.962		
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.470			
								<b>2.432</b>			
	<b>Net Qty = A - B</b>							<b>15.381</b>		<b>132.478</b>	<b>147.859</b>



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Kokanwadi Meas. SW

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 Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.	1			5.400	0.790	0.730	3.114		2.619	5.733
	(a) For Lift 0 to 1.5m Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.	1			5.400	0.790	0.150	0.640		0.403	1.043
	(a) For Lift 0 to 1.5m Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.400	0.790	0.150	0.640		0.403	1.043
	Item No. : 11 Transportation of earth Transportation charges				6.000	0.790	0.100	0.474		0.316	0.790
	Extra Item no 9.2 :- Lowering & Laying of SWG pipe of 250mm Dia	1			6.500			6.500		4.500	11.000
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>4.394</b>			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	6.000	0.270	0.270	0.34			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.47			
								<b>0.82</b>			
								<b>Net Qty = A - B</b>		<b>2.88</b>	<b>6.46</b>
	KW 17.10.2 to KW 17.10.3										
	CH503.30	576.750	575.840	575.740			1.010	0.995			
	CH506.40	576.920	576.040	575.940			0.980				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.	1			1.100	0.790	0.695	0.604		5.733	6.337
	(a) For Lift 0 to 1.5m Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.	1			1.100	0.790	0.150	0.130		1.043	1.173
	(a) For Lift 0 to 1.5m Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.100	0.790	0.150	0.130		1.043	1.173
	Item No. : 11 Transportation of earth Transportation charges				1.700	0.790	0.100	0.134		0.790	0.924
	Extra Item no 9.2 :- Lowering & Laying of SWG pipe of 250mm Dia	1			2.200			2.200		11.000	13.200
	Item No. 30 :- Refilling the excavated trenches ...							0.232		1.362	1.594



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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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Kokanwadi Meas. SW

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	<b>Total Excavation=</b>						0.865				
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	1.700	0.270	0.270	0.10			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.13			
								0.23			
								0.63	6.46		
									7.09		
	<b>Net Qty = A - B</b>										
	<b>KW 17.10.3 to KW 17.10.4</b>										
	CH506.40	576.920	576.040	575.940			0.980	0.930			
	CH511.30	576.970	576.190	576.090			0.880				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.790	0.630	1.443	6.337	7.780	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.790	0.150	0.344	1.173	1.517	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.790	0.150	0.344	1.173	1.517	
	<b>Item No. 7 :-</b> Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			3.500	0.790	0.100	0.276	0.924	1.201	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							0.477	1.594	2.071	
	<b>Extra Item no 9.2 :-</b> Lowering & Laying of SWG pipe of 250mm Dia										
	(a) For Lift 0 to 1.5m	1			4.000			4.000	13.200	17.200	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							2.131			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	3.500	0.270	0.270	0.20			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.28			
								0.48			
	<b>Net Qty = A - B</b>							1.65	7.09	8.74	
	<b>KW 17.10.4 to KW 17.10.5</b>										
	CH511.30	576.970	576.190	576.090			0.880	0.890			
	CH515.10	577.140	576.340	576.240			0.900				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.800	0.790	0.590	0.839	7.780	8.619	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.800	0.790	0.150	0.213	1.517	1.730	



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

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Kokanwadi Meas. SW

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. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			1.800	0.790	0.150	0.213		1.517	1.730
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.400	0.790	0.100	0.190		1.201	1.390
	Item No. : 11 Transportation of earth Transportation charges							0.327		2.071	2.398
	Extra Item no 9.2 :- Lowering & Laying of SWG pipe of 250mm Dia	1			2.900			2.900		17.200	20.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							1.266			
	Deduction of 250mm dia pipe pipe area	1.00		0.785	2.400	0.270	0.270	0.14			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							0.19			
								0.33			
								Net Qty = A - B	0.94	8.74	9.68
	KW 17.11 to KW 17.11.1										
	CH515.10	576.590	575.295	575.195			1.395	1.198			
	CH519.50	576.590	575.690	575.590			1.000				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete. (a) For Lift 0 to 1.5m	1			2.400	0.790	1.098	2.081		8.619	10.700
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete. (a) For Lift 0 to 1.5m	1			2.400	0.790	0.100	0.190		1.730	1.920
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.000	0.790	0.100	0.237		1.390	1.627
	Item No. : 11 Transportation of earth Transportation charges							0.409		2.398	2.806
	Extra Item no 9.2 :- Lowering & Laying of SWG pipe of 250mm Dia	1			3.500			3.500		20.100	23.600
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							2.270			
	Deduction of 250mm dia pipe pipe area	1.00		0.785	3.000	0.270	0.270	0.17			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							0.24			
								0.41			
								Net Qty = A - B	1.86	9.68	11.54
	KW 17.11.1 to KW 17.11.2										



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salam Akh. 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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Kokanwadi Meas. SW

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	CH519.50	576.590	575.690	575.590			1.000				
	CH525.50	576.610	576.110	576.010			0.600				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.000	0.790	0.700	2.212		10.700	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.000	0.790	0.100	0.316		1.920	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.000	0.790	0.000	0.000		1.730	
	Item No. 7 :- Filling in pljnth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			4.600	0.790	0.100	0.363		1.627	
	Item No. : 11 Transportation of earth Transportation charges							0.627		2.806	
	Extra Item no 9.2 :- Lowering & Laying of SWG pipe of 250mm Dia	1			5.100			5.100		23.600	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>2.528</b>			
	<b>Deduction of 250mm dia pipe</b>										
	pipe area	1.00		0.785	4.600	0.270	0.270	0.26			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.36			
								<b>0.63</b>			
								<b>Net Qty = A - B</b>			
								<b>1.90</b>		<b>11.54</b>	
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.300			0.30		0.30	



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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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Kokanwadi 1.5m MH Excavation

9<sup>th</sup> RA BILL MEASURMENTS  
K BRANCH SEWER AT Kokanwadi

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										
	KW 1										
	CH0.00	571.020	567.870	567.620			3.400				
	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	1.350	10.852		0.000	10.852
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		0.000	12.058
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.400	3.215		0.000	3.215
	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	0.150	1.206		0.000	1.206
	Item No. : 11 Transportation of earth Transportation charges							9.723		0.000	9.723
	Item No. 30 :- Refilling the excavated trenches --										
	Total Excavation=							27.331			
	Deduction										
	Brick work	1			0.785	2.280	2.280	1.150		4.693	
		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	
								9.723			
	Net Qty = A - B							17.608		0.000	17.608







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

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Kokanwadi 1.2 MH Exc.

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					10.02		28.21	38.23	
	K/W 4										
	CR65.65	571.620	569.320	569.070			2.550				
	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	7.075	1.350	7.50	25.85	33.35	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	1.050	5.83	23.72	29.55	
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.150	0.83	2.87	3.71	
	Item No. - 11 Transportation of earth Transportation charges							3.852	17.43	21.28	
	Item No. 30 - Refilling the excavated trenches ...										
	Total Excavation(A)=							14.162			
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	2.300	3.10			
	Brick work							0.00			
	PCC	1.00		0.785	1.96	1.96	0.250	0.75			
	Murrum bedding							0.00			
	Total (B)							3.85			
		Net Qty = A - B					10.31		38.23	48.54	
	K/W 5										
	CR89.15	572.030	569.870	569.620			2.410				
	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	7.075	1.350	7.50	33.35	40.84	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.910	5.05	29.55	34.61	
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.150	0.83	3.71	4.54	
	Item No. - 11 Transportation of earth Transportation charges							3.664	21.28	24.94	
	Item No. 30 - Refilling the excavated trenches ...										
	Total Excavation(A)=							13.385			
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	2.160	2.91			
	Brick work							0.00			
	PCC	1.00		0.785	1.96	1.96	0.250	0.75			
	Murrum bedding							0.00			
	Total (B)							3.66			
		Net Qty = A - B					9.72		48.54	58.26	
	K/W 6										
	CR95.15	572.120	570.120	569.870			2.250				
	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	7.075	1.350	7.50	40.84	48.34	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.750	4.17	34.61	38.77	



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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 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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Kokanwadi 1.2 MH Exc.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B	D		Page	Quantity		
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.150	0.83		4.54	5.37	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							3.448		24.94	28.39	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...											
	<b>Total Excavation(A)=</b>							<b>12.496</b>				
	<b>Deduction</b>											
	Brick work	1.00		0.785	1.31	1.31	2.000	2.69				
	Brick work							0.00				
	PCC	1.00		0.785	1.96	1.96	0.250	0.75				
	Murrum bedding							0.00				
	<b>Total (B)</b>							<b>3.45</b>				
		<b>Net Qty = A - B</b>								<b>9.05</b>	<b>58.26</b>	<b>67.31</b>
	<b>KW 7</b>											
	<b>CH123.65</b>	572.580	570.420	570.170				2.410				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc											
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	1.350	7.50		48.34	55.84	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.910	5.05		38.77	43.83	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.150	0.83		5.37	6.20	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							3.664		28.39	32.06	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...											
	<b>Total Excavation(A)=</b>							<b>13.385</b>				
	<b>Deduction</b>											
	Brick work	1.00		0.785	1.31	1.31	2.160	2.91				
	Brick work							0.00				
	PCC	1.00		0.785	1.96	1.96	0.250	0.75				
	Murrum bedding							0.00				
	<b>Total (B)</b>							<b>3.66</b>				
		<b>Net Qty = A - B</b>								<b>9.72</b>	<b>67.31</b>	<b>77.03</b>
	<b>KW 8</b>											
	<b>CH143.40</b>	572.780	570.770	570.520				2.260				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc											
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	1.350	7.50		55.84	63.34	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.760	4.22		43.83	48.05	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.150	0.83		6.20	7.04	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							3.462		32.06	35.52	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...											



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

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Kokanwadi 1.2 MH Exc.

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	Total Excavation(A)=						12.552			
	Deduction									
	Brick work	1.00		0.785	1.31	1.31	2.010	2.71		
	Brick work							0.00		
	PCC	1.00		0.785	1.96	1.96	0.250	0.75		
	Murum bedding							0.00		
	Total (B)							3.46		
								9.09	77.03	86.12
	KW 9									
	CH166.90	573.080	571.230	570.980			2.100			
	Item No. 1 - Excavation for foundation/pipe trenches in earth soils, Soft murum etc									
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.250	1.39	63.34	64.72
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murum etc complete.									
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	1.100	6.11	7.04	13.15
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.300	1.67	0.00	1.67
	Item No. 4 - Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.150	0.83	0.00	0.83
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.300	1.67	0.00	1.67
	Item No. : 11 Transportation of earth Transportation charges							3.246	35.52	38.76
	Item No. 30 - Refilling the excavated trenches ...									
	Total Excavation(A)=							11.663		
	Deduction									
	Brick work	1.00		0.785	1.31	1.31	1.850	2.49		
	Brick work							0.00		
	PCC	1.00		0.785	1.96	1.96	0.250	0.75		
	Murum bedding							0.00		
	Total (B)							3.25		
								8.42	86.12	94.54
	KW 10									
	CH182.90	573.240	571.230	570.980			2.260			
	Item No. 1 - Excavation for foundation/pipe trenches in earth soils, Soft murum etc									
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.410	2.28	64.72	67.00
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murum etc complete.									
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.960	5.33	13.15	18.48
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.440	2.44	1.67	4.11
	Item No. 4 - Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.150	0.83	0.83	1.67
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.300	1.67	1.67	3.33
	Item No. : 11 Transportation of earth Transportation charges							3.462	38.76	42.22



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Name of work:- Development 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), 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. & CECDI (Joint Venture)

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Kokanwadi 1.2 MH Exc.

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 ...										
	<b>Total Excavation(A)=</b>						<b>12.552</b>				
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.31	1.31	2.010	2.71			
	Brick work							0.00			
	PCC	1.00		0.785	1.96	1.96	0.250	0.75			
	Murum bedding							0.00			
	<b>Total (B)</b>							<b>3.46</b>			
		<b>Net Qty = A - B</b>						<b>9.09</b>	<b>94.54</b>	<b>103.63</b>	
	<b>KW 11</b>										
	CH196.40	573.330	571.280	571.030			2.300				
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.850	4.72	18.48	23.20	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.650	3.61	1.67	5.28	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.500	2.78	3.33	6.11	
	ITEM NO. 5 :- Excavation for foundation / pipe trenches in laterite rock masses by chhiseling etc. Completed.										
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.300	1.67	0.00	1.67	
	Item No. : 11 Transportation of earth Transportation charges							3.516	42.22	45.74	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>12.774</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.31	1.31	2.050	2.76			
	Brick work							0.00			
	PCC	1.00		0.785	1.96	1.96	0.250	0.75			
	Murum bedding							0.00			
	<b>Total (B)</b>							<b>3.52</b>			
		<b>Net Qty = A - B</b>						<b>9.26</b>	<b>103.63</b>	<b>112.88</b>	
	<b>KW 12</b>										
	CH222.40	573.630	571.430	571.180			2.450				
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	1.000	5.55	23.20	28.75	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.500	2.78	5.28	8.05	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.650	3.61	6.11	9.72	
	ITEM NO. 5 :- Excavation for foundation / pipe trenches in laterite rock masses by chhiseling etc. Completed.										
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.300	1.67	1.67	3.33	



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Kokanwadi 1.2 MH Exc.

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 ...										
	<b>Total Excavation(A)=</b>						<b>12.107</b>				
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.31	1.31	1.930	2.60			
	Brick work							0.00			
	PCC	1.00		0.785	1.96	1.96	0.250	0.75			
	Murram bedding							0.00			
	<b>Total (B)</b>							<b>3.35</b>			
		<b>Net Qty = A - B</b>						<b>8.75</b>	<b>132.96</b>	<b>141.71</b>	
	<b>KW 15</b>										
	CH267.90	574.230	572.430	572.180			2.050				
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	1.100	6.11	41.53	47.64	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.400	2.22	11.94	14.16	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.550	3.05	17.49	20.55	
	Item No. : 11 Transportation of earth Transportation charges							3.179	56.62	59.80	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>11.385</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.31	1.31	1.800	2.42			
	Brick work							0.00			
	PCC	1.00		0.785	1.96	1.96	0.250	0.75			
	Murram bedding							0.00			
	<b>Total (B)</b>							<b>3.18</b>			
		<b>Net Qty = A - B</b>						<b>8.21</b>	<b>141.71</b>	<b>149.92</b>	
	<b>KW 16</b>										
	CH278.90	574.310	572.330	572.080			2.230				
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	1.280	7.11	47.64	54.75	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.220	1.22	14.16	15.38	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.730	4.05	20.55	24.60	
	Item No. : 11 Transportation of earth Transportation charges							3.421	59.80	63.22	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>12.385</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.31	1.31	1.980	2.67			
	Brick work							0.00			
	PCC	1.00		0.785	1.96	1.96	0.250	0.75			
	Murram bedding							0.00			
	<b>Total (B)</b>							<b>3.42</b>			



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JUN 2017



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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Kokanwadi 1.2 MH Exc.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
		Net Qty = A - B						8.96		149.92	158.88
	KW 17 CHD 17.40	574.440	572.830	572.580			1.860				
	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	7.075	0.710	3.94		67.00	70.94
	Item No. 2 -> Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.640	3.55		54.75	58.30
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.360	2.00		4.11	6.11
	Item No. 4 -> Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.150	0.83		15.38	16.22
	Item No. - 11 Transportation of earth Transportation charges							2.923		63.22	66.15
	Item No. 30 -> Refilling the excavated trenches ... Total Excavation(A)=							10.330			
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	1.610	2.17			
	Brick work							0.00			
	PCI	1.00		0.785	1.96	1.96	0.250	0.75			
	Murrum bedding							0.00			
	Total (B)							2.92			
		Net Qty = A - B						7.41		158.88	166.29
	KW 18 CHD 18.40	574.480	572.930	572.680			1.800				
	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	7.075	1.150	6.39		70.94	77.33
	(b) For Lift 1.5m to 3.0m	1.000			0.785	7.075	0.300	1.67		48.05	49.71
	Item No. 2 -> Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.200	1.11		58.30	59.41
	Item No. 4 -> Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1.000			0.785	7.075	0.150	0.83		16.22	17.05
	Item No. - 11 Transportation of earth Transportation charges							2.842		66.15	68.99
	Item No. 30 -> Refilling the excavated trenches ... Total Excavation(A)=							9.997			
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	1.550	2.09			
	Brick work							0.00			
	PCI	1.00		0.785	1.96	1.96	0.250	0.75			
	Murrum bedding							0.00			
	Total (B)							2.84			
		Net Qty = A - B						7.15		166.29	173.44



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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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Kokanwadi 0.9 MH Exc.

**9th R A BILL MEASUREMENTS OF CHEMBERS Kokanwadi**

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	<b>Sewer at Kokanwadi</b>										
	Excavation of Chamber - For 0.9m dia chamber (upto 1.5m depth)- 0.90+0.50+0.3+0.3=2.00m										
	Bredth for chamber upto 1.5m=2.0*2.0=4.0m										
	<b>KW 17.1</b>										
	<b>CH332.40</b>	574.770	573.300	573.050			1.720				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	1.200	3.77	97.33	101.09	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.220	0.69	54.16	54.85	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	61.91	62.38	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	19.55	20.02	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading & unloading							2.030	77.38	79.41	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>						<b>5.401</b>				
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	1.470	1.55			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murrum bedding							0.00			
	<b>Total (B)</b>						<b>2.03</b>				
		<b>Net Qty = A - B</b>						<b>3.37</b>	<b>194.49</b>	<b>197.86</b>	
	<b>KW 17.2</b>										
	<b>CH346.20</b>	575.130	573.850	573.600			1.530				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	1.200	3.77	101.09	104.86	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.030	0.09	54.85	54.94	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	62.38	62.85	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	20.02	20.49	
	<b>Item No. : 11</b> Transportation of earth Transportation charges including loading & unloading							1.830	79.41	81.24	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										



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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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Kokanwadi 0.9 MH Exc.

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)=						4.804				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.280	1.35			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murum bedding							0.00			
	Total (B)						1.83				
		Net Qty = A - B						2.97	197.86	200.83	
	KW 17.3										
	CR348.40	575.190	573.940	573.690			1.500				
	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	1.200	3.77	104.86	108.63	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	62.85	63.32	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	20.49	20.96	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.798	81.24	83.04	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.710				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.250	1.32			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murum bedding							0.00			
	Total (B)						1.80				
		Net Qty = A - B						2.91	200.83	203.75	
	KW 17.4										
	CR355.10	575.370	574.090	573.840			1.530				
	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	1.200	3.77	108.63	112.40	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.030	0.09	54.94	55.04	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	63.32	63.79	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	20.96	21.43	
	Item No. : 11 Transportation of earth Transportation charges							1.830	83.04	84.87	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.804				
	Deduction										



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Name of work:- Development of underground sewerage collection system for Zone 1 to 4 and Zone Salun 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 Up to Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Brick work	1.00		0.785	1.16	1.16	1.280	1.35			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							<b>1.83</b>			
		<b>Net Qty = A - B</b>									
	<b>KW 17.5</b>										
	<b>CH357.90</b>	575.450	574.140	573.890			1.560				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	1.200	3.77		116.17	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.060	0.19		55.22	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47		63.79	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47		21.43	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.861		84.87	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>4.898</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	1.310	1.38			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							<b>1.86</b>			
		<b>Net Qty = A - B</b>									
	<b>KW 17.6</b>										
	<b>CH361.40</b>	575.560	574.140	573.890			1.670				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	1.200	3.77		116.17	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.170	0.53		55.22	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47		64.26	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47		21.90	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.978		86.73	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>5.244</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	1.420	1.50			



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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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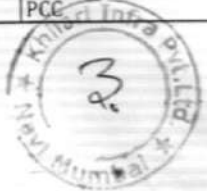
Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Brick work						0.00				
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>						<b>1.98</b>				
		<b>Net Qty = A - B</b>							<b>209.76</b>	<b>213.02</b>	
	KW 17.7										
	CH368.90	575.910	574.440	574.190			1.720				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	1.200	3.77	119.93	123.70	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.220	0.69	55.76	56.45	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	64.74	65.21	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	22.38	22.85	
	Item No. : 11 Transportation of earth Transportation charges							2.030	88.71	90.74	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>						<b>5.401</b>				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.470	1.55			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>						<b>2.03</b>				
		<b>Net Qty = A - B</b>							<b>213.02</b>	<b>216.39</b>	
	KW 17.8										
	CH374.80	576.090	574.740	574.490			1.600				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	1.200	3.77	123.70	127.47	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.100	0.31	56.45	56.76	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	65.21	65.68	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	22.85	23.32	
	Item No. : 11 Transportation of earth Transportation charges							1.904	90.74	92.64	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>						<b>5.024</b>				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.350	1.43			
	Brick work							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 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.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							<b>1.90</b>			
		<b>Net Qty = A - B</b>								<b>216.39</b>	<b>219.51</b>
	<b>KW 17.9</b>										
	<b>CH380.10</b>	576.140	574.840	574.590			1.550				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	1.200	3.77	127.47	131.24	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.050	0.16	56.76	56.92	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	65.68	66.15	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	23.32	23.79	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.851	92.64	94.49	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>4.867</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	1.300	1.37			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murum bedding							0.00			
	<b>Total (B)</b>							<b>1.85</b>			
		<b>Net Qty = A - B</b>								<b>219.51</b>	<b>222.53</b>
	<b>KW 17.10</b>										
	<b>CH387.40</b>	576.340	574.940	574.690			1.650				
	<b>Item No. 1 :-</b> Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	1.200	3.77	131.24	135.01	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.150	0.47	56.92	57.39	
	<b>Item No. 2 :-</b> Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	66.15	66.62	
	<b>Item No. 4 :-</b> Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	23.79	24.26	
	<b>Item No. : 11</b> Transportation of earth Transportation charges							1.956	94.49	96.45	
	<b>Item No. 30 :-</b> Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>5.181</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	1.400	1.48			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			



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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							
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>1.96</b>			
		<b>Net Qty = A - B</b>						<b>3.22</b>	<b>222.53</b>	<b>225.75</b>	
	<b>KW 17.11</b>										
	<b>CH396.40</b>	576.590	575.295	575.045			1.545				
	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	1.200	3.77	135.01	138.77	
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.045	0.14	57.39	57.53	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	66.62	67.09	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	24.26	24.73	
	Item No. : 11 Transportation of earth Transportation charges							1.845	96.45	98.29	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>4.851</b>			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.295	1.37			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>1.85</b>			
		<b>Net Qty = A - B</b>						<b>3.01</b>	<b>225.75</b>	<b>228.76</b>	
	<b>KW 17.12</b>										
	<b>CH402.40</b>	576.680	575.465	575.215			1.465				
	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	1.165	3.66	138.77	142.43	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	67.09	67.56	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47	24.73	25.20	
	Item No. : 11 Transportation of earth Transportation charges							1.761	98.29	100.05	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>4.600</b>			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.215	1.28			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>1.76</b>			



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7 of 15

Kokanwadi 0.9 MH Exc.

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						2.84		228.76	231.60
	KW 17.13										
	CH407.30	576.800	575.635	575.385			1.415				
	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	1.115	3.50		142.43	145.93
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47		67.56	68.03
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47		25.20	25.67
	Item No. : 11 Transportation of earth Transportation charges							1.708		100.05	101.76
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>4.443</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	1.165	1.23			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>1.71</b>			
		Net Qty = A - B						2.73		231.60	234.33
	KW 15.1 L										
	CH410.00	574.230	573.230	572.980			1.250				
	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	0.800	2.51		145.93	148.44
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.350	1.10		68.03	69.13
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.100	0.31		25.67	25.99
	Item No. : 11 Transportation of earth Transportation charges							1.534		101.76	103.30
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.925</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	1.000	1.06			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>1.53</b>			
		Net Qty = A - B						2.39		234.33	236.73
	KW 15.1 R										
	CH414.60	574.330	573.230	572.980			1.350				



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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.

10 of 15

Kokanwadi 0.9 MH Exc.

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	1.000			0.785	4.000	0.350	1.10		73.53	74.63
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.100	0.31		27.24	27.56
	Item No. : 11 Transportation of earth Transportation charges							1.851		110.31	112.16
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>4.867</b>			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.300	1.37			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>1.85</b>			
	<b>Net Qty = A - B</b>							<b>3.02</b>	<b>248.02</b>	<b>251.04</b>	
	KW 15.6 R										
	CH457.60	575.380	574.030	573.780			1.600				
	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		164.24	167.54
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.100	0.31		57.85	58.16
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.350	1.10		74.63	75.73
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.100	0.31		27.56	27.87
	Item No. : 11 Transportation of earth Transportation charges							1.904		112.16	114.06
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>5.024</b>			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.350	1.43			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>1.90</b>			
	<b>Net Qty = A - B</b>							<b>3.12</b>	<b>251.04</b>	<b>254.16</b>	
	KW 15.7 R										
	CH469.50	575.480	574.180	573.930			1.550				
	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		167.54	170.83
	(b) For Lift 1.5m to 3.0m	1.000			0.785	4.000	0.050	0.16		58.16	58.32



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Kokanwadi 0.9 MH Exc.

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47		29.44	29.91
	Item No. : 11 Transportation of earth Transportation charges							1.407		120.37	121.77
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.548</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	0.880	0.93			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>1.41</b>			
								<b>2.14</b>		264.05	266.19
	<b>KW 17.10.4</b>										
	<b>CH511.30</b>	576.970	576.190	575.940			1.030				
	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	0.730	2.29		181.48	183.77
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47		79.34	79.81
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47		29.91	30.38
	Item No. : 11 Transportation of earth Transportation charges							1.302		121.77	123.08
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.234</b>			
	<b>Deduction</b>										
	Brick work	1.00		0.785	1.16	1.16	0.780	0.82			
	Brick work							0.00			
	PCC	1.00		0.785	1.56	1.56	0.250	0.48			
	Murrum bedding							0.00			
	<b>Total (B)</b>							<b>1.30</b>			
								<b>1.93</b>		266.19	268.13
	<b>KW 17.10.5</b>										
	<b>CH515.10</b>	577.140	576.340	576.090			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	0.750	2.35		183.77	186.12
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1.000			0.785	4.000	0.150	0.47		79.81	80.28
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										



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

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

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

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Kokanwadi 0.9 MH Exc.

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	(a) For Lift 0 to 1.5m	1.000			2.000	1.700	0.150	0.51		31.32	31.83
	(b) For Lift 1.5m to 3.0m	1.000			2.000	1.700	0.000	0.00		24.60	24.60
	ITEM NO. 5 :- Excavation for foundation / pipe trenches in laterite rock masses by chhiseling etc. Completed.										
	(b) For Lift 1.5m to 3.0m	1.000			2.000	1.700	0.000	0.00		5.00	5.00
	Item No. : 11 Transportation of earth Transportation charges							1.290		125.83	127.12
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.550			
	Deduction										
	Brick work	1.00			1.40	1.10	0.500	0.77			
	Brick work										
	PCC	1.00			1.6	1.30	0.250	0.52			
	Murum bedding										
	Total (B)							0.00			
	Net Qty = A - B							1.29			
								1.26		272.28	273.54



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1 of 2

Kokanwadi MANHOLE

**9th R A BILL MEASURMENTS**

**Sewer at Kokanwadi**

Item No. : 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

Sr.No.	Chainage	MH No	MTL	IL	Depth	Depth Difference than 5 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1	CH 0.00	KW 1	571.020	567.870	3.150	-1.850	-1.850	-3.700
							<b>Total</b>	<b>-3.700</b>

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

Sr.No.	Chainage	MH No	MTL	IL	Depth	Depth Difference than 2 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1	CH 23.65	KW 2	571.140	568.770	2.370	0.370		
2	CH 42.15	KW 3	571.200	568.970	2.230	0.230		
3	CH 65.65	KW 4	571.620	569.320	2.300	0.300		
4	CH 89.15	KW 5	572.030	569.870	2.160	0.160		
5	CH 95.15	KW 6	572.120	570.120	2.000	0.000		
6	CH 123.65	KW 7	572.580	570.420	2.160	0.160		
7	CH 143.40	KW 8	572.780	570.770	2.010	0.010		
8	CH 166.90	KW 9	573.080	571.230	1.850	-0.150		
9	CH 182.90	KW 10	573.240	571.230	2.010	0.010		
10	CH 196.40	KW 11	573.330	571.280	2.050	0.050		
11	CH 222.40	KW 12	573.630	571.430	2.200	0.200		
12	CH 243.40	KW 13	573.800	571.530	2.270	0.270		
13	CH 254.40	KW 14	574.060	572.130	1.930	-0.070		
14	CH 267.90	KW 15	574.230	572.430	1.800	-0.200		
15	CH 278.90	KW 16	574.310	572.330	1.980	-0.020		
16	CH 287.40	KW 17	574.440	572.830	1.610	-0.390		
17	CH 298.40	KW 18	574.480	572.930	1.550	-0.450		
18	CH 307.90	KW 19	574.540	573.050	1.490	-0.510		
19	CH 311.40	KW 20	574.540	573.050	1.490	-0.510		
20	CH 322.40	KW 21	574.720	573.150	1.570	-0.430		
							<b>Total</b>	<b>-1.940</b>

Extra Item : 2 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

Sr.No.	Chainage	MH No	MTL	IL	Depth	Depth Difference than 1.5 m	Total Difference	Rebate/Add for Excess height (per 30 cm)
1	CH 332.40	KW 17.1	574.770	573.300	1.470	-0.030		
2	CH 346.20	KW 17.2	575.130	573.850	1.280	-0.220		
3	CH 348.40	KW 17.3	575.190	573.940	1.250	-0.250		
4	CH 355.10	KW 17.4	575.370	574.090	1.280	-0.220		
5	CH 357.90	KW 17.5	575.450	574.140	1.310	-0.190		
6	CH 361.40	KW 17.6	575.560	574.140	1.420	-0.080		
7	CH 368.90	KW 17.7	575.910	574.440	1.470	-0.030		
8	CH 374.80	KW 17.8	576.090	574.740	1.350	-0.150		
9	CH 380.10	KW 17.9	576.140	574.840	1.300	-0.200		
10	CH 387.40	KW 17.10	576.340	574.940	1.400	-0.100		
11	CH 396.40	KW 17.11	576.590	575.295	1.295	-0.205		
12	CH 402.40	KW 17.12	576.680	575.465	1.215	-0.285		
13	CH 407.30	KW 17.13	576.800	575.635	1.165	-0.335		
14	CH 410.00	KW 15.1 L	574.230	573.230	1.000	-0.500		
15	CH 414.60	KW 15.1 R	574.330	573.230	1.100	-0.400		
16	CH 428.50	KW 15.2 R	574.810	573.630	1.180	-0.320		
							<b>Total</b>	<b>-8.795</b>
								<b>-29.317</b>



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

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

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

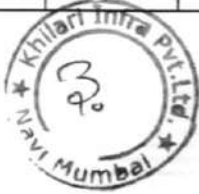
2 of 2

Kokanwadi MANHOLE

17	CH 431.00	KW 15.3 R	574.930	573.680	1.250	-0.250		
18	CH 433.80	KW 15.4 R	574.980	573.680	1.300	-0.200		
19	CH 444.10	KW 15.5 R	575.080	573.780	1.300	-0.200		
20	CH 457.60	KW 15.6 R	575.380	574.030	1.350	-0.150		
21	CH 469.50	KW 15.7 R	575.480	574.180	1.300	-0.200		
22	CH 490.50	KW 15.8 R	575.580	574.580	1.000	-0.500		
23	CH 495.90	KW 17.10.1	576.490	575.540	0.950	-0.550		
24	CH 503.30	KW 17.10.2	576.750	575.840	0.910	-0.590		
25	CH 506.40	KW 17.10.3	576.920	576.040	0.880	-0.620		
26	CH 511.30	KW 17.10.4	576.970	576.190	0.780	-0.720		
27	CH 515.10	KW 17.10.5	577.140	576.340	0.800	-0.700		
28	CH 519.50	KW 17.11.1	576.590	575.690	0.900	-0.600		
							<b>Total</b>	<b>-29.317</b>

Extra Item : 3 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

Sr.No.	Chainage	MH No	MTL	IL	Depth	Depth Difference than 1.5 m	Total Difference	Rebate/Add for Excess height (per 30 cm)
1	CH 525.50	KW 17.11.2	576.610	576.110	0.500	-1.000	-1.000	-3.333
							<b>Total</b>	<b>-3.333</b>



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## 9th R A BILL MEASUREMENTS

## Branch Sewer Kokanwadi

SR NO	Description	MB/PG	ITEM 1		ITEM 2		ITEM 4		ITEM 5		ITEM 7	ITEM 11	ITEM 12	
			0-1.5	1.5-3.0	3.0-4.5	0-1.5	1.5-3.0	0-1.5	1.5-3.0	1.5-3.0			1.5-3.0	250mm
1	For Pipe		483.922	168.728	210.573	95.405	67.838	18.907	74.714	145.178	120.770	48.190		
2	For Manhole		190.324	58.316	81.260	31.835	24.604	4.998	127.117	272.294				
	<b>Total</b>		<b>674.246</b>	<b>227.044</b>	<b>291.833</b>	<b>127.240</b>	<b>92.442</b>	<b>23.906</b>	<b>74.714</b>	<b>272.294</b>	<b>120.770</b>	<b>48.190</b>		



PMC



CLIENT

Authorized Signatory

Project Engineer

Project Manager

Jr. Engineer

Dy. Engineer

Ex. Engineer

Total up to  
Date

10



9th R A BILL MEASUREMENTS

Branch Sewer Kokanwadi

SR NO	Description	ITEM 13		ITEM 17	ITEM 21	ITEM 21.1		ITEM 23	ITEM 23.1		ITEM 30	ITEM 35	EIRL 2	EIRL 2.a		EIRL3	EIRL 3.a	EIRL 9.1		EIRL 9.2
		250mm	315mm			upto 2 m	Rebate		2-5 m	Rebate				Full Rate	Rebate			Full Rate	250mm	
1	For Pipe	120.770	48.190	281.250	20.000	(1.940)	1.00	1.00	(3.700)	900.20	0.300		28.000			1.000			28.700	28.700
2	For Manhole	120.770	48.190	281.250	20.000	(1.940)	1.00	1.00	(3.700)	1,173.74	0.300		28.000	(29.317)		1.000	(3.333)		28.700	28.700
	<b>Total</b>																			



Authorized Signatory



Project Engineer



Project Manager



Jr. Engineer



Ex. Engineer

CLIENT

total up to Date

10