

and Area :- M/s. Constructing, Erecting, Testing and Commissioning of Sewerage Connection system for Zone 1 to
 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
 GUP of 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)

Sanjay Nagar Measurement MB

9th R A BILL MEASUREMENTS DWC PIPE SANJAY NAGAR

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	DWC - 200 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.200+0.5=0.700m										
	For Lift 1.5 to 3.00m- 0.200+0.5+0.4=1.100m										
	For Lift 3.0 to 4.5m- 0.200+0.5+0.4+0.4=1.500m										
	S 01 TO S 02										
	CH0.00	570.880	569.880	569.780			1.100	1.045			
	CH7.00	570.960	570.070	569.970			0.990				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.000	0.700	1.045	3.658	0.000	3.658	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.600	0.700	0.100	0.392	0.000	0.392	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.568	0.000	0.568	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			6.100			6.100	0.000	6.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.658			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	5.600	0.200	0.200	0.176			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.392			
								0.568			
								Net Qty = A - B	3.090	0.000	3.090
	S 02 TO S 03										
	CH7.00	570.960	570.070	569.970			0.990	0.960			
	CH10.10	571.010	570.180	570.080			0.930				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.100	0.700	0.960	0.739	3.658	4.397	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.700	0.700	0.100	0.119	0.392	0.511	



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)

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Sanjay Nagar Measurement MB

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							0.172		0.568	0.740
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			2.200			2.200		6.100	8.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.739			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	1.700	0.200	0.200	0.053			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.119			
								0.172			
								0.567		3.090	3.656
	S 03 TO S 04										
	CH10.10	571.010	570.180	570.080				0.930			
	CH15.30	571.060	570.290	570.190				0.870			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.200	0.700	0.900	2.016		4.397	6.413
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.800	0.700	0.100	0.266		0.511	0.777
	Item No. : 11 Transportation of earth Transportation charges							0.385		0.740	1.126
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			4.300			4.300		8.300	12.600
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.016			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	3.800	0.200	0.200	0.119			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.266			
								0.385			
								1.631		3.656	5.287
	S 04 TO S 05										
	CH15.30	571.060	570.290	570.190				1.870			
	CH21.75	571.330	570.400	570.300				1.030			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										



Name of work:- Development of Sewage Treatment 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)

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Sanjay Nagar Measurement MB

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			3.100	0.700	0.895	1.942		11.968	13.910
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.700	0.700	0.100	0.259		1.425	1.684
	Item No. : 11 Transportation of earth Transportation charges							0.375		2.063	2.439
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			4.200			4.200		22.850	27.050
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.942			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	3.700	0.200	0.200	0.116			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.259			
								0.375			
	Net Qty = A - B							1.567		9.904	11.471
	S 08 TO S 09										
	CH0.00	572.130	571.200	571.100			1.030	1.125			
	CH3.85	572.410	571.290	571.190			1.220				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.850	0.700	1.125	1.457		13.910	15.367
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.450	0.700	0.100	0.172		1.684	1.855
	Item No. : 11 Transportation of earth Transportation charges							0.248		2.439	2.687
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			2.950			2.950		27.050	30.000
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.457			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	2.450	0.200	0.200	0.077			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.172			
								0.248			



Name of work:- Development of Underground Sewerage Collection System 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.

Page No. :-

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

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Sanjay Nagar Measurement MB

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	soling						0.000				
	PCC						0.000				
	Murram bedding						0.462				
							0.669				
		Net Qty = A - B						4.140	14.926	19.066	
	S 11 TO S 12										
	CH17.05	572.800	571.740	571.640			1.160				
	CH21.75	573.040	571.935	571.835			1.205	1.183			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			2.700	0.700	1.183	2.235	22.808	25.043	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.300	0.700	0.100	0.231	2.583	2.814	
	Item No. : 11 Transportation of earth Transportation charges							0.335	3.742	4.076	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			3.800			3.800	41.400	45.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						2.235				
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	3.300	0.200	0.200	0.104			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.231			
								0.335			
		Net Qty = A - B						1.900	19.066	20.966	
	S 12 TO S 13										
	CH21.75	573.040	571.935	571.835			1.205				
	CH30.65	573.110	572.110	572.010			1.100	1.153			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			6.900	0.700	1.153	5.567	25.043	30.609	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.500	0.700	0.100	0.525	2.814	3.339	
	Item No. : 11 Transportation of earth Transportation charges							0.761	4.076	4.837	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			8.000			8.000	45.200	53.200	
	Item No. 30 :- Refilling the excavated trenches ...										



Name of Work:- Development of Underground Sewerage Collection system for Zone I to VI
 Back No. :- 17
 Page No. :-
 Sanjay Nagar Measurement MB
 Name of Agency:- M/s Khilari Infrastructure Pvt Ltd. & GECL (Joint Venture)

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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							
	Total Excavation=						5.567				
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	7.500	0.200	0.200				
	soiling										
	PCC										
	Murum bedding										
							0.236				
							0.000				
							0.000				
							0.525				
							0.761				
							4.806		20.966	25.772	
	S 13 TO S 14										
	CH30.65	573.110	572.110	572.010			1.100				
	CH38.65	573.080	572.260	572.160			0.920				
							1.010				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.000	0.700	1.010	4.242	30.609	34.851	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.600	0.700	0.100	0.462	3.339	3.801	
	Item No. : 11 Transportation of earth Transportation charges							0.669	4.837	5.506	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			7.100			7.100	53.200	60.300	
	Item No. 30 :- Refilling the excavated trenches ...							4.242			
	Total Excavation=										
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	6.600	0.200	0.200	0.207			
	soiling							0.000			
	PCC							0.000			
	Murum bedding							0.462			
								0.669			
								3.573	25.772	29.345	
	S 14 TO S 15										
	CH38.65	573.080	572.260	572.160			0.920				
	CH44.45	573.040	572.320	572.220			0.820				
								0.870			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.800	0.700	0.870	2.314	34.851	37.165	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.400	0.700	0.100	0.308	3.801	4.109	
	Item No. : 11 Transportation of earth Transportation charges							0.446	5.506	5.952	



Name of work:- Development of ...
 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. AM@/Ward B&C/HIDSSMT/2014/184 Date 01.07.2014

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Sanjay Nagar Measurement MB

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. 13 :- (b) Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			4.900			4.900	60.300	65.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.314			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	4.400	0.200	0.200	0.138			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.308			
								0.446			
								1.868	29.345	31.213	
	Net Qty = A - B										
	S 15 TO S 16										
	CH44.45	573.040	572.320	572.220			0.820	0.765			
	CH54.85	573.070	572.460	572.360			0.710				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			8.400	0.700	0.765	4.498	37.165	41.663	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.000	0.700	0.100	0.630	4.109	4.739	
	Item No. : 11 Transportation of earth Transportation charges							0.913	5.952	6.865	
	Item No. 13 :- (b) Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			9.500			9.500	65.200	74.700	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.498			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	9.000	0.200	0.200	0.283			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.630			
								0.913			
								3.586	31.213	34.799	
	Net Qty = A - B										
	S 16 TO S 17										
	CH54.85	573.070	572.460	572.360			0.710	0.690			
	CH60.65	573.350	572.780	572.680			0.670				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			3.800	0.700	0.690	1.835	41.663	43.499	



Sanjay Nagar Measurement MB

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			4.400	0.700	0.100	0.308		4.739	5.047
	Item No. : 11 Transportation of earth Transportation charges							0.446		6.865	7.311
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			4.900			4.900		74.700	79.600
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.835			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	4.400	0.200	0.200	0.138			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.308			
								0.446			
								1.389		34.799	36.188
	S 18 TO S 19										
	CH0.00	571.330	570.210	570.110			1.220	1.180			
	CH6.60	571.520	570.480	570.380			1.140				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.600	0.700	1.080	3.478		43.499	46.976
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.600	0.700	0.100	0.322		0.000	0.322
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.200	0.700	0.100	0.364		5.047	5.411
	Item No. : 11 Transportation of earth Transportation charges							0.527		7.311	7.838
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			5.700			5.700		79.600	85.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.800			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	5.200	0.200	0.200	0.163			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.364			
								0.527			
								3.272		36.188	39.461



Name of Work:- Development of Sewerage System for 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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Sanjay Nagar Measurement MB

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	S 19 TO S 20										
	CH6.60	571.520	570.480	570.380			1.140	1.185			
	CH13.30	571.970	570.840	570.740			1.230				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.700	0.700	1.085	3.570	46.976	50.546	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.700	0.700	0.100	0.329	0.322	0.651	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.300	0.700	0.100	0.371	5.411	5.782	
	Item No. : 11 Transportation of earth Transportation charges							0.537	7.838	8.376	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			5.800			5.800	85.300	91.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.899			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	5.300	0.200	0.200	0.166			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.371			
								0.537			
	Net Qty = A - B							3.361	39.460	42.821	
	S 20 TO S 21										
	CH13.30	571.970	570.840	570.740			1.230	1.220			
	CH18.10	572.270	571.160	571.060			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			2.800	0.700	1.120	2.195	50.546	52.741	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.800	0.700	0.100	0.196	0.651	0.847	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.400	0.700	0.100	0.238	5.782	6.020	
	Item No. : 11 Transportation of earth Transportation charges							0.345	8.376	8.720	



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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Page No. :-

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

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Sanjay Nagar Measurement MB

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			1.600	0.700	0.790	0.885		53.492	54.377
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.600	0.700	0.100	0.112		0.924	1.036
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.200	0.700	0.100	0.154		6.139	6.293
	Item No. : 11 Transportation of earth Transportation charges							0.223		8.893	9.116
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			2.700			2.700		97.200	99.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.997			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	2.200	0.200	0.200	0.069			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.154			
								0.223			
								0.774		45.523	46.297
	Net Qty = A - B										
	S 24 TO S 25										
	CH0.00	574.230	572.550	572.450			1.780	1.725			
	CH5.50	574.170	572.600	572.500			1.670				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.500	1.100	1.500	5.775		54.377	60.152
	(b) For Lift 1.5m to 3.0m	1			3.500	0.700	0.225	0.551		0.000	0.551
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.100	0.700	0.100	0.287		6.293	6.580
	Item No. : 11 Transportation of earth Transportation charges							0.416		9.116	9.532
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			4.600			4.600		99.900	104.500
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.326			
	Deduction of 200mm dia pipe										



Name of work :- Development of Underground Sewerage Collection system for Zone 1
 and Zone 2 at Constructing, Erecting, Testing and Commissioning of Sewage Treatment
 Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth
 Garden, Jaha, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission
 of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward
 No. 98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main
 G.P. of pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to
 STP for Aurangabad City.

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Sanjay Nagar Measurement MB

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	1.000		0.785	4.100	0.200	0.200	0.129			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.287			
								0.416			
		Net Qty = A - B							5.911	46.297	52.209
	S 25 TO S 26										
	CH5.50	574.170	572.600	572.500			1.670	1.575			
	CH11.70	574.000	572.620	572.520			1.480				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.200	0.700	1.500	4.410	60.152	64.562	
	(b) For Lift 1.5m to 3.0m	1			4.200	0.700	0.075	0.220	0.551	0.772	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.800	0.700	0.100	0.336	6.580	6.916	
	Item No. : 11 Transportation of earth Transportation charges							0.487	9.532	10.018	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			5.300			5.300	104.500	109.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.630			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	4.800	0.200	0.200	0.151			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.336			
								0.487			
		Net Qty = A - B							4.144	52.208	56.35
	S 26 TO S 27										
	CH11.70	574.000	572.620	572.520			1.480	1.375			
	CH18.50	573.840	572.670	572.570			1.270				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			4.800	0.700	1.375	4.620	64.562	69.18	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.400	0.700	0.100	0.378	6.916	7.29	
	Item No. : 11 Transportation of earth Transportation charges							0.548	10.018	10.56	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			5.900			5.900	109.800	115.70	





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

Book No. :- 179
Page No. :-

Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Vencture)
Authority No. AMC/Ward B&C/UIDSSMT/2014/184 Date 01.07.2014

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Sanjay Nagar Measurement MB

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						4.620				
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	5.400	0.200	0.200	0.170			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.378			
								0.548			
								4.072	56.351	60.424	
	Net Qty = A - B										
	S 27 TO S 28										
	CH18.50	573.840	572.670	572.570			1.270	1.200			
	CH27.20	573.760	572.730	572.630			1.130				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			6.700	0.700	1.200	5.628	69.182	74.810	
	(b) For Lift 1.5m to 3.0m	1			6.700	0.700	0.000	0.000	0.772	0.772	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.700	1.100	0.000	0.000	1.036	1.036	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.300	0.700	0.100	0.511	7.294	7.805	
	Item No. : 11 Transportation of earth Transportation charges							0.740	10.566	11.306	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			7.800			7.800	115.700	123.500	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.628			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	7.300	0.200	0.200	0.229			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.511			
								0.740			
								4.888	60.424	65.312	
	Net Qty = A - B										



Name of work:- Development of Underground Sewerage Collection system for Zone 1 and Zone 2 in Sanjay Nagar, Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshirawadi (Kanchanwadi), Banewadi, Siddharth Garden, Jaha, 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 GWP 50 pipe line from Golwadi SPS to Nakshirawadi (Kanchanwadi) STP and Ward No.98 to STP at Aurangabad City.

Sanjay Nagar CHEMBER Measurement

9th RA BILL MEASURMENTS DWC CHEMBER SANJAY NAGAR

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 - 200mm Dia										
	Excavation of Chamber - For 0.90 dia chamber (upto 1.5m depth)- 0.9+0.50+0.3+0.3=2.0m										
	Area for chamber upto 2m=2.0*2.0=4.0m										
	Excavation of Chamber - For 0.9 mt X 0.6 mt. chamber up to Depth of 1.5mt.- 0.9+0.5+0.3+0.3=2.0m										
	0.6+0.5+0.3+0.3=1.7m										
	S 01										
	CH0.00	570.880	569.880	569.630			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			2.000	1.700	1.250	4.250	0.000	4.250	
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.060	0.000	2.060	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.250			
	Deduction										
	Brick work	1.00			1.400	1.100	1.000	1.54			
	soiling							0.00			
	PCC	1.00			1.600	1.300	0.250	0.52			
	Murrum bedding							0.00			
	Total (B)							2.06			
					Net Qty = A - B			2.19	0.00	2.19	
	S 02										
	CH7.00	570.960	570.070	569.820			1.140				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.140	3.580	4.250	7.8	
	Item No. : 11 Transportation of earth Transportation charges							1.418	2.060	3.4	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.580			
	Deduction										
	Brick work	1.00			0.785	1.160	1.160	0.890	0.94		
	soiling							0.00			
	PCC	1.00			0.785	1.560	1.560	0.250	0.48		



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.

Book No. :- 181
Page No. :-

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

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

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Sanjay NagarCHEMBER 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							
	Murum bedding						0.00				
	Total (B)						1.42				
		Net Qty = A - B					2.16		2.19	4.35	
	S 03										
	CH10.10	571.010	570.180	569.930		1.080					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	1.080	3.672	7.830	11.502	
	Item No. : 11 Transportation of earth Transportation charges						1.798	3.478	5.276		
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.672				
	Deduction										
	Brick work	1.00			1.400	1.100	0.830	1.28			
	soling							0.00			
	PCC	1.00			1.600	1.300	0.250	0.52			
	Murum bedding							0.00			
	Total (B)						1.80				
		Net Qty = A - B					1.87		4.35	6.23	
	S 04										
	CH15.30	571.060	570.290	570.040		1.020					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	1.020	3.468	11.502	14.970	
	Item No. : 11 Transportation of earth Transportation charges						1.706	5.276	6.982		
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.468				
	Deduction										
	Brick work	1.00			1.400	1.100	0.770	1.19			
	soling							0.00			
	PCC	1.00			1.600	1.300	0.250	0.52			
	Murum bedding							0.00			
	Total (B)						1.71				
		Net Qty = A - B					1.76		6.23	7.99	
	S 05										
	CH21.75	571.330	570.400	570.150		1.180					
	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	1.180	3.705	14.970	18.675	



Plan based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CHCO (Airport), Construction, Erection, Testing and Commission of Sewer pumping station at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CHCO (Airport), Providing, lowering, laying jointing and testing rising main CHCO pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Sanjay Nagar City.

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

Sanjay NagarCHEMBER 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. : 11 Transportation of earth Transportation charges						1.460		6.982	8.442	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.705				
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.930	0.98			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)						1.46				
		Net Qty = A - B						2.25		7.99	10.23
	S 06										
	CH27.35	571.560	570.630	570.380			1.180				
	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	1.180	3.705	18.675	22.380	
	Item No. : 11 Transportation of earth Transportation charges							1.460	8.442	9.902	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.705				
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.930	0.98			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)						1.46				
		Net Qty = A - B						2.25		10.23	12.48
	S 07										
	CH32.45	571.530	570.870	570.620			0.910				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.910	2.857	22.380	25.237	
	Item No. : 11 Transportation of earth Transportation charges							1.175	9.902	11.076	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						2.857				
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.660	0.70			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)						1.17				



Name of work:- Development of Underground Sewerage Collection System for Zone No. 11 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)

Sanjay NagarCHEMBER 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							
		Net Qty = A - B					1.68		12.48	14.16	
S 08											
CH0.00		572.130	571.200	570.950			1.180				
	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	1.180	3.705	25.237	28.943	
	Item No. : 11 Transportation of earth Transportation charges							1.460	11.076	12.536	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.705			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.930	0.98			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murrum bedding							0.00			
	Total (B)							1.46			
		Net Qty = A - B							2.25	14.16	16.41
S 09											
CH3.85		572.410	571.290	571.040			1.370				
	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	1.370	4.302	28.943	33.244	
	Item No. : 11 Transportation of earth Transportation charges							1.661	12.536	14.197	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.302			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.120	1.18			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murrum bedding							0.00			
	Total (B)							1.66			
		Net Qty = A - B							2.64	16.41	19.05
S 10											
CH9.05		572.570	571.540	571.290			1.280				
	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	1.280	4.352	33.244	37.596	
	Item No. : 11 Transportation of earth Transportation charges							2.106	14.197	16.303	



Sanjay Nagar CHEMBER 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. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.352				
	Deduction										
	Brick work	1.00			1.400	1.100	1.030	1.59			
	soling							0.00			
	PCC	1.00			1.600	1.300	0.250	0.52			
	Murum bedding							0.00			
	Total (B)							2.11			
		Net Qty = A - B						2.25	19.05	21.29	
	S 11										
	CH17.05	572.800	571.740	571.490			1.310				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	1.310	4.454	37.596	42.050	
	Item No. : 11 Transportation of earth Transportation charges							2.152	16.303	18.456	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.454			
	Deduction										
	Brick work	1.00			1.400	1.100	1.060	1.63			
	soling							0.00			
	PCC	1.00			1.600	1.300	0.250	0.52			
	Murum bedding							0.00			
	Total (B)							2.15			
		Net Qty = A - B						2.30	21.29	23.59	
	S 12										
	CH21.75	573.040	571.935	571.685			1.355				
	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	1.355	4.255	42.050	46.300	
	Item No. : 11 Transportation of earth Transportation charges							1.645	18.456	20.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.255			
	Deduction										
	Brick work	1.00			0.785	1.160	1.160	1.17			
	soling							0.00			
	PCC	1.00			0.785	1.560	1.560	0.48			
	Murum bedding							0.00			
	Total (B)							1.64			
		Net Qty = A - B						2.61	23.59	26.20	
	S 13										
	CH30.65	573.110	572.110	571.860			1.250				



Name of work:- Development of Underground Sewerage Collection System for Ward No. 98 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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Sanjay NagarCHEMBER 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	1.250	3.925		46.305	50.230	
	Item No. : 11 Transportation of earth Transportation charges							1.534		20.100	21.634	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							3.925				
	Deduction											
	Brick work	1.00		0.785	1.160	1.160	1.000	1.06				
	soling							0.00				
	PCC	1.00		0.785	1.560	1.560	0.250	0.48				
	Murrum bedding							0.00				
	Total (B)							1.53				
		Net Qty = A - B							2.39		26.20	28.60
	S 14											
	CH38.65	573.080	572.260	572.010			1.070					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.070	3.360		50.230	53.590	
	Item No. : 11 Transportation of earth Transportation charges							1.344		21.634	22.978	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							3.360				
	Deduction											
	Brick work	1.00		0.785	1.160	1.160	0.820	0.87				
	soling							0.00				
	PCC	1.00		0.785	1.560	1.560	0.250	0.48				
	Murrum bedding							0.00				
	Total (B)							1.34				
		Net Qty = A - B							2.02		28.60	30.61
	S 15											
	CH44.45	573.040	572.320	572.070			0.970					
	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	0.970	3.046		53.590	56.636	
	Item No. : 11 Transportation of earth Transportation charges							1.238		22.978	24.216	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							3.046				
	Deduction											



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	1.00		0.785	1.160	1.160	0.720	0.76			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)							1.24			
		Net Qty = A - B							1.81	30.61	32.42
	S 16										
	CH54.85	573.070	572.460	572.210			0.860				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.860	2.700	56.636	59.336	
	Item No. : 11 Transportation of earth Transportation charges							1.122	24.216	25.338	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.700			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.610	0.64			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)							1.12			
		Net Qty = A - B							1.58	32.42	34.00
	S 17										
	CH60.65	573.350	572.780	572.530			0.820				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.820	2.575	59.336	61.911	
	Item No. : 11 Transportation of earth Transportation charges							1.080	25.338	26.418	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.575			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.570	0.60			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)							1.08			
		Net Qty = A - B							1.50	34.00	35.49
	S 18										
	CH0.00	571.330	570.210	569.960			1.370				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										



Name of work:- Development of Underground Sewerage Conveyance System for Sanjay Nagar 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)

8

Sanjay NagarCHEMBER 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								
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.270	3.988		61.911	65.899	
	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							1.661		26.418	28.078	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							4.302				
	Deduction											
	Brick work	1.00		0.785	1.160	1.160	1.120	1.18				
	soling							0.00				
	PCC	1.00		0.785	1.560	1.560	0.250	0.48				
	Murum bedding							0.00				
	Total (B)							1.66				
		Net Qty = A - B							2.64		35.49	38.13
	S 19											
	CH6.60	571.520	570.480	570.230			1.290					
	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	1.190	3.737		65.899	69.635	
	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							1.576		28.078	29.655	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							4.051				
	Deduction											
	Brick work	1.00		0.785	1.160	1.160	1.040	1.10				
	soling							0.00				
	PCC	1.00		0.785	1.560	1.560	0.250	0.48				
	Murum bedding							0.00				
	Total (B)							1.58				
		Net Qty = A - B							2.47		38.13	40.61
	S 20											
	CH13.30	571.970	570.840	570.590			1.380					
	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	1.280	4.019		69.635	73.655	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.											



Name of work:- Development of Underground Sewerage Collection system for Zone I to ...
 ... Constructing, Erecting, Testing and Commissioning of Sewage Treatment
 Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth
 Garden, Datta Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission
 of sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward
 No.10 and CIDCO (Airport). Providing, lowering, laying, jointing and testing rising main
 GHP 20 pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98.40
 STP for Aurangabad City.

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Sanjay NagarCHEMBER 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							
	(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							1.671		29.655	31.326
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.333			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.130	1.19			
	soiling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)							1.67			
	Net Qty = A - B							2.66		40.61	43.27
	S 21										
	CH18.10	572.270	571.160	570.910			1.360				
	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	1.260	3.956		73.655	77.611
	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	0.100	0.314		0.942	1.250
	Item No. : 11 Transportation of earth Transportation charges							1.650		31.326	32.976
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.270			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.110	1.17			
	soiling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)							1.65			
	Net Qty = A - B							2.62		43.27	45.8
	S 22										
	CH21.20	572.220	571.380	571.130			1.090				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.990	3.109		77.611	80.72
	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		1.256	1.5
	Item No. : 11 Transportation of earth Transportation charges							1.365		32.976	34.34



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

10

Sanjay NagarCHEMBER 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. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.423				
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.840	0.89			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murrum bedding							0.00			
	Total (B)						1.36				
		Net Qty = A - B						2.06	45.89	47.95	
	S 23										
	CH24.80	572.260	571.520	571.270			0.990				
	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	0.890	2.795	80.720	83.514	
	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							1.259	34.341	35.600	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.109				
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.740	0.78			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murrum bedding							0.00			
	Total (B)						1.26				
		Net Qty = A - B						1.85	47.95	49.80	
	S 24										
	CH0.00	574.230	572.550	572.300			1.930				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710	83.514	88.224	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.430	1.350	0.000	1.350	
	Item No. : 11 Transportation of earth Transportation charges							2.252	35.600	37.852	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						6.060				
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.680	1.77			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			



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

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Sanjay NagarCHEMBER 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							
	Murum bedding						0.00				
	Total (B)						2.25				
		Net Qty = A - B					3.81		49.80	53.61	
	S 25										
	CH5.50	574.170	572.600	572.350			1.820				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710	88.224	92.934	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.320	1.005	1.350	2.355	
	Item No. : 11 Transportation of earth Transportation charges							2.136	37.852	39.988	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						5.715				
	Deduction										
	Brick work	1.00			0.785	1.160	1.160	1.570	1.66		
	soling								0.00		
	PCC	1.00			0.785	1.560	1.560	0.250	0.48		
	Murum bedding								0.00		
	Total (B)						2.14				
		Net Qty = A - B					3.58		53.61	57.19	
	S 26										
	CH11.70	574.000	572.620	572.370			1.630				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710	92.934	97.644	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.130	0.408	2.355	2.763	
	Item No. : 11 Transportation of earth Transportation charges							1.935	39.988	41.923	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						5.118				
	Deduction										
	Brick work	1.00			0.785	1.160	1.160	1.380	1.46		
	soling								0.00		
	PCC	1.00			0.785	1.560	1.560	0.250	0.48		
	Murum bedding								0.00		
	Total (B)						1.94				
		Net Qty = A - B					3.18		57.19	60.37	
	S 27										
	CH18.50	573.840	572.670	572.420			1.420				
	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	1.420	4.459	97.644	102.103	



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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Sanjay NagarCHEMBER 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. : 11 Transportation of earth Transportation charges						1.713		41.923	43.637	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.459				
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.170	1.24			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)						1.71				
		Net Qty = A - B						2.75	60.37	63.11	
	S 28										
	CH27.20	573.760	572.730	572.480			1.280				
	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	1.280	4.019	102.103	106.122	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.000	0.000	2.763	2.763	
	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	1.884	1.884	
	Item No. : 11 Transportation of earth Transportation charges							1.566	43.637	45.202	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						4.019				
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.030	1.09			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)						1.57				
		Net Qty = A - B						2.45	63.11	65.57	



Name of work:- Development of Underground Sewerage Collection System for Zone 1 to 4 and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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

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

Date of Measurement	
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Sanjay NagarQty Abstract

QUANTITY ABSTRACT RA 9 th														
SANJAY NAGAR														
SR NO	Discription	MB/PG	ITEM 1		ITEM 4	ITEM 7	ITEM 11	ITEM 13		ITEM 30	Extra		Extra Item 3.a	
			0-1.5	1.5-3.0				200mm	200mm		Item 2.a	Item 3		Rebate
1	For Pipe		74.810	0.772	1.036	7.805	11.306	123.500	123.500	65.312				
2	For Manhole		106.122	2.763	1.884		45.202			65.567	-38.017	5.00	-9.37	
	Total		180.932	3.535	2.920	7.805	56.509	123.500	123.500	130.878	-38.017	5.00	-9.37	

CONTRACTOR



PMC



CLIENT



[Signature]
Ex. Engineer

[Signature]
Jr. Engineer

[Signature]
Jr. Engineer

9th R A BILL MEASUREMENTS DWC PIPE INDRA NAGAR TO BHAIJIPURA

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 - 315mm Dia										
	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										
	IB 01 to IB 02										
	CH0.00	584.950	582.900	582.800			2.150	2.725			
	CH10.80	585.220	582.020	581.920			3.300				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			8.620	1.215	1.250	13.092	0.000	13.092	
	(b) For Lift 1.5m to 3.0m	1			8.620	0.815	1.225	8.606	0.000	8.606	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.620	1.215	0.150	1.571	0.000	1.571	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.620	1.215	0.100	1.047	0.000	1.047	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			9.120	0.815	0.100	0.743	0.000	0.743	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.454	0.000	1.454	
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			9.620			9.620	0.000	9.620	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							24.316			
	Deduction of 315mm dia pipe										
	pipe area	1.000		0.785	9.120	0.315	0.315	0.710			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.743			
								1.454			
	Net Qty = A - B							22.862	0.000	22.862	
	IB 02 to IB 03										
	CH00.80	585.220	582.020	581.920			3.300	2.990			
	CH02.80	584.630	582.050	581.950			2.680				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			9.340	1.215	1.250	14.185	13.092	27.277	
	(b) For Lift 1.5m to 3.0m	1			9.340	0.815	1.490	11.342	8.606	19.948	



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Indra Nagar to Bhaljipura-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. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						23.467				
	Deduction of 315mm dia pipe										
	pipe area	1.000		0.785	10.840	0.315	0.315	0.844			
	soiling							0.000			
	PCC							0.000			
	Murram bedding							0.883			
							1.728				
							Net Qty = A - B	21.739	49.578	71.317	
	IB 04 to IB 05										
	CH35.30	583.730	582.130	582.030			1.700	1.370			
	CH47.40	583.130	582.190	582.090			1.040				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.770	0.815	1.120	8.918	42.221	51.141	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.770	0.815	0.150	1.194	5.067	6.225	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			9.770	0.815	0.100	0.796	3.378	4.171	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			10.570	0.815	0.100	0.861	2.469	3.330	
	Item No. : 11 Transportation of earth Transportation charges							1.685	4.830	6.510	
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			11.070			11.070	31.800	42.870	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							10.909			
	Deduction of 315mm dia pipe										
	pipe area	1.000		0.785	10.570	0.315	0.315	0.823			
	soiling							0.000			
	PCC							0.000			
	Murram bedding							0.861			
								1.685			
							Net Qty = A - B	9.224	71.317	80.541	
	IB 05 to IB 06										
	CH37.40	583.130	582.190	582.090			1.040	1.245			
	CH47.40	583.580	582.230	582.130			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			10.500	0.815	0.995	8.515	51.139	59.654	



