

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	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			
		Net Qty = A - B						1.99		88.88	90.87
	BSN 6 TO BSN 7										
	CH29.05	582.770	581.820	581.720			1.050	1.050			
	CH32.05	582.870	581.920	581.820			1.050				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.000	0.790	1.050	0.830		97.625	98.454
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.600	0.790	0.100	0.126		8.417	8.544
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.218		14.515	14.733
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			2.100			2.100		116.550	118.650
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.830			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	1.600	0.270	0.270	0.09			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.13			
								0.22			
		Net Qty = A - B						0.61		90.87	91.48
	BSN 7 TO BSN 8										
	CH32.05	582.870	581.920	581.820			1.050	1.010			
	CH38.55	583.040	582.170	582.070			0.970				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.500	0.790	1.010	3.591		98.454	102.045
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.100	0.790	0.100	0.403		8.544	8.947
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.695		14.733	15.428



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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			5.600			5.600		118.650	124.250
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.591			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	5.100	0.270	0.270	0.29			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.40			
								0.69			
		Net Qty = A - B						2.90		91.48	94.38
	BMN 1 TO BMN 2	Part - 04									
	CH0.00	584.620	583.200	583.100			1.520	1.575			
	CH13.20	585.010	583.480	583.380			1.630				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.500	0.790	0.450	4.088		102.045	106.133
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.500	0.790	0.850	7.722		4.586	12.308
	(b) For Lift 1.5m to 3.0m	1			11.500	0.790	0.075	0.681		0.000	0.681
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			11.500	0.790	0.200	1.817		2.283	4.100
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.800	0.790	0.100	0.932		8.947	9.879
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.607		15.428	17.035
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			12.300			12.300		124.250	136.550
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							14.309			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	11.800	0.270	0.270	0.68			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.93			
								1.61			



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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, Erecting, Testing and Commissioning of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward

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Balaji Nagar-05Meas. SW Pipe

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
		Net Qty = A - B						12.70		94.38	107.08
	SW PIPE - 200 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.200+0.02+0.02+0.5=0.740										
	For Lift 1.5 to 3.00m- 0.200+0.02+0.02+0.5+0.4= 1.140m										
	For Lift 3.0 to 4.5m- 0.200+0.5+0.02+0.02+0.4+0.4 =1.540m										
	BMN 2 TO BMN 3										
	CH13.20	585.010	583.480	583.380			1.630	1.515			
	CH22.00	585.100	583.800	583.700			1.400				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.800	0.740	1.300	6.542		106.133	112.675
	(b) For Lift 1.5m to 3.0m	1			6.800	0.740	0.015	0.075		0.892	0.967
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.800	0.740	0.100	0.503		12.308	12.811
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.800	0.740	0.100	0.503		4.100	4.603
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.400	0.740	0.100	0.548		9.879	10.427
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.829		17.035	17.864
	Extra Item No. 9.2 (c):- Lowering & Laying of SWG pipe of 200mm Dia	1			7.900			7.900		0.000	7.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							7.623			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	7.400	0.220	0.220	0.28			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							0.55			
								0.83			
		Net Qty = A - B						6.79		107.08	113.87
	BMN 3 TO BMN 4										
	CH22.00	585.100	583.800	583.700			1.400				



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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	CH28.70	584.950	583.920	583.820			1.130	1.200			
	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	0.740	1.065	3.704		112.675	116.379
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.700	0.740	0.100	0.348		12.811	13.159
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.700	0.740	0.100	0.348		4.603	4.951
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.300	0.740	0.100	0.392		10.427	10.819
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.594		17.864	18.457
	Extra Item No. 9.2 (c):- Lowering & Laying of SWG pipe of 200mm Dia	1			5.800			5.800		7.900	13.700
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.400			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	5.300	0.220	0.220	0.20			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.39			
								0.59			
								3.81		113.87	117.68
	Net Qty = A - B										
	BMN 4 TO BMN 5										
	CH28.70	584.950	583.920	583.820			1.130	1.010			
	CH34.70	584.780	583.990	583.890			0.890				
	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	0.740	0.810	2.398		116.379	118.776
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.000	0.740	0.100	0.296		13.159	13.455
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.000	0.740	0.100	0.296		4.951	5.247



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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No	EX.L	L	B	D		Page	Quantity	
			IL								
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.600	0.740	0.100	0.340		10.819	11.159
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.515		18.457	18.973
	Extra Item No. 9.2 (c):- Lowering & Laying of SWG pipe of 200mm Dia	1			5.100			5.100		13.700	18.800
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.990			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	4.600	0.220	0.220	0.17			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.34			
								0.52			
		Net Qty = A - B						2.47		117.68	120.15
	BMN 5 TO BMN 6										
	CH34.70	584.780	583.990	583.890			0.890	0.905			
	CH40.90	584.850	584.030	583.930			0.920				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.200	0.740	0.705	2.191		118.776	120.968
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.200	0.740	0.100	0.311		13.455	13.766
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.200	0.740	0.100	0.311		5.247	5.558
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.800	0.740	0.100	0.355		11.159	11.514
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.538		18.973	19.510
	Extra Item No. 9.2 (c):- Lowering & Laying of SWG pipe of 200mm Dia	1			5.300			5.300		18.800	24.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.813			



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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	4.800	0.220	0.220	0.18			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.36			
								0.54			
		Net Qty = A - B						2.28		120.15	122.43
	BMN 6 TO BMN 7										
	CH40.90	584.850	584.030	583.930			0.920	0.935			
	CH45.90	584.970	584.120	584.020			0.950				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.000	0.740	0.735	1.632		120.968	122.599
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.000	0.740	0.100	0.222		13.766	13.988
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.000	0.740	0.100	0.222		5.558	5.780
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.600	0.740	0.100	0.266		11.514	11.781
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.403		19.510	19.913
	Extra Item No. 9.2 (c):- Lowering & Laying of SWG pipe of 200mm Dia	1			4.100			4.100		24.100	28.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.076			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	3.600	0.220	0.220	0.14			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.27			
								0.40			
		Net Qty = A - B						1.67		122.43	124.10
	BMN 7 TO BMN 8										
	CH45.90	584.970	584.120	584.020			0.950	0.890			
	CH52.70	585.160	584.430	584.330			0.830				



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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upt 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			4.800	0.740	0.690	2.451		122.599	125.05
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.800	0.740	0.100	0.355		13.988	14.343
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.800	0.740	0.100	0.355		5.780	6.135
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.400	0.740	0.100	0.400		11.781	12.180
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.605		19.913	20.518
	Extra Item No. 9.2 (c):- Lowering & Laying of SWG pipe of 200mm Dia	1			5.900			5.900		28.200	34.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.161			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	5.400	0.220	0.220	0.21			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.40			
								0.60			
		Net Qty = A - B						2.56		124.10	126.66
	PVC PIPE - 110 mm Dia										
	Width of Trench -										
	For Lift 0 to 1.50m- 0.110+0.5=0.610m										
	For Lift 1.5 to 3.00m- 0.110+0.5+0.4= 1.010m										
	For Lift 3.0 to 4.5m- 0.110+0.5+0.4+0.4=1.410m										
	Part-01,02,03 & 04										
	Average Depth of Excavation							0.490			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			146.100	0.610	0.490	43.669		125.050	168.719
	(b) For Lift 1.5m to 3.0m	1			146.100	0.610	0.000	0.000		0.967	0.967



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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			146.100	0.610	0.000	0.000		14.343	14.343
	(b) For Lift 1.5m to 3.0m	1			146.100	0.610	0.000	0.000		0.681	0.681
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			146.100	0.610	0.000	0.000		6.135	6.135
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			146.100	0.610	0.100	8.912		12.180	21.092
	Item No. : 11 Transpörtation of earth Transportation charges including loading &							10.300		20.518	30.818
	Extra Item No.9.6 :- (a) Lowering & Laying of PVC pipe of 110mm Dia	1			146.100			146.100		0.000	146.100
	Extra Item No. 9.2 (c):- Lowering & Laying of SWG pipe of 200mm Dia										34.100
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia										136.550
	Item No. 30 :- Refilling the excavated trenches ...							43.669			
	Total Excavation=										
	Deduction of 110mm dia pipe	1.00		0.785	146.100	0.110	0.110	1.39			
	pipe area							0.00			
	soling							0.00			
	PCC							8.91			
	Murrum bedding							10.30			
		Net Qty = A - B						33.37		126.66	160.03
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.040			0.04			0.04



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		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth -0.9+0.5+0.3+0.3=2m										
	Area for chamber up to 1.5m=2 X 2=4m										
	BLN 2	Part - 01									
	CH7.90	583.140	582.040	581.790			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			0.785	4.000	0.650	2.041		0.000	2.041
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.450	1.413		0.000	1.413
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785		0.000	0.785
	Item No. : 11 Transportation of earth Transportation charges							1.640		0.000	1.640
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.239			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.100	1.162			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.640			
		Net Qty = A - B						2.599		0.000	2.599
	BLN 3										
	CH15.30	583.820	582.440	582.190			1.630				
	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		2.041	6.751
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.130	0.408		0.000	0.408
	Item No. : 11 Transportation of earth Transportation charges							1.935		1.640	3.575
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.118			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.380	1.458			
	soling							0.000			



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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No	EX.L	L	B	D		Page	Quantity	
			IL								
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.935			
		Net Qty = A - B						3.183		2.599	5.782
	BLN 4										
	CH20.40	584.120	582.580	582.330			1.790				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710		6.751	11.461
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.290	0.911		0.408	1.319
	Item No. : 11 Transportation of earth Transportation charges							2.104		3.575	5.679
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.621			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.540	1.627			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							2.104			
		Net Qty = A - B						3.516		5.782	9.299
	BLN 5										
	CH26.80	584.270	582.750	582.500			1.770				
	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		11.461	16.171
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.270	0.848		1.319	2.167
	Item No. : 11 Transportation of earth Transportation charges							2.083		5.679	7.762
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.558			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.520	1.606			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							2.083			
		Net Qty = A - B						3.475		9.299	12.773
	BLN 6										
	CH34.10	584.220	582.800	582.550			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			0.785	4.000	1.500	4.710		16.171	20.881



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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.170	0.534		2.167	2.700
	Item No. : 11 Transportation of earth Transportation charges							1.978		7.762	9.740
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.244			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.420	1.500			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.978			
	Net Qty = A - B							3.266		12.773	16.040
	BLN 7										
	CH39.50	584.240	582.990	582.740			1.500				
	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		20.881	25.591
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000		2.700	2.700
	Item No. : 11 Transportation of earth Transportation charges							1.798		9.740	11.538
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.710			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.250	1.320			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.798			
	Net Qty = A - B							2.912		16.040	18.952
	BLN 8										
	CH46.00	583.840	583.040	582.790			1.050				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710		25.591	30.301
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	-0.450	-1.413		2.700	1.287
	Item No. : 11 Transportation of earth Transportation charges							1.323		11.538	12.860
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.297			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.800	0.845			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			



2



Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth

Book No. 095

Page No. :-

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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Murrum bedding							0.000			
	Total (B)							1.323			
		Net Qty = A - B						1.974		18.952	20.926
	BKN 2	Part - 02									
	CH8.40	582.320	581.420	581.170			1.150				
	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	0.450	1.413		30.301	31.714
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.450	1.413		1.413	2.826
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785		0.785	1.570
	Item No. : 11 Transportation of earth Transportation charges							1.428		12.860	14.289
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.611			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.900	0.951			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.428			
		Net Qty = A - B						2.183		20.926	23.109
	BKN 3										
	CH16.05	582.955	581.535	581.285			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			0.785	4.000	1.500	4.710		31.714	36.424
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.170	0.534		1.287	1.821
	Item No. : 11 Transportation of earth Transportation charges							1.978		14.289	16.266
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.244			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.420	1.500			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.978			
		Net Qty = A - B						3.266		23.109	26.375



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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.647			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.230	1.299			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.777			
		Net Qty = A - B						2.870		32.345	35.215
	BKN 7										
	CH46.30	583.560	582.260	582.010			1.550				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710		50.397	55.107
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.050	0.157		2.135	2.292
	Item No. : 11 Transportation of earth Transportation charges							1.851		21.713	23.564
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.867			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.300	1.373			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.851			
		Net Qty = A - B						3.016		35.215	38.232
	BKN 8										
	CH52.40	583.300	582.280	582.030			1.270				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.270	3.988		55.107	59.095
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000		2.292	2.292
	Item No. : 11 Transportation of earth Transportation charges							1.555		23.564	25.119
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.988			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.020	1.077			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.555			
		Net Qty = A - B						2.433		38.232	40.664



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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	BKN 9										
	CH59.50	583.350	582.550	582.300			1.050				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.050	3.297		59.095	62.392
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000		2.292	2.292
	Item No. : 11 Transportation of earth Transportation charges							1.323		25.119	26.441
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.297			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.800	0.845			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.323			
	Net Qty = A - B							1.974		40.664	42.639
	BSN 2	Part - 03									
	CH10.00	582.400	581.400	581.150			1.250				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.250	3.925		62.392	66.317
	Item No. : 11 Transportation of earth Transportation charges							1.534		26.441	27.975
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.925			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.000	1.056			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.534			
	Net Qty = A - B							2.391		42.639	45.030
	BSN 3										
	CH12.40	582.570	581.520	581.270			1.300				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.300	4.082		66.317	70.399
	Item No. : 11 Transportation of earth Transportation charges							1.587		27.975	29.562



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Date	Particulars-of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...							4.082			
	Total Excavation(A)=										
	Deduction							1.109			
	Brick work	1		0.785	1.160	1.160	1.050	0.000			
	soling							0.478			
	PCC	1		0.785	1.560	1.560	0.250	0.000			
	Murum bedding							1.587			
	Total (B)							2.495	45.030	47.525	
		Net Qty = A - B									
	BSN 4										
	CH19.50	582.765	581.595	581.345			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	70.399	74.858	
	Item No. : 11 Transportation of earth Transportation charges							1.713	29.562	31.275	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.459			
	Deduction							1.236			
	Brick work	1		0.785	1.160	1.160	1.170	0.000			
	soling							0.478			
	PCC	1		0.785	1.560	1.560	0.250	0.000			
	Murum bedding							1.713			
	Total (B)							2.745	47.525	50.270	
		Net Qty = A - B									
	BSN 5										
	CH24.15	582.770	581.770	581.520			1.250				
	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	1.250	3.925	74.858	78.783	
	Item No. : 11 Transportation of earth Transportation charges							1.534	31.275	32.809	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.925			
	Deduction							1.056			
	Brick work	1		0.785	1.160	1.160	1.000	0.000			
	soling							0.478			
	PCC	1		0.785	1.560	1.560	0.250	0.000			
	Murum bedding							1.534			
	Total (B)							2.391	50.270	52.662	
		Net Qty = A - B									



2

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 from Golwadi CDC to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	BSN 6										
	CH29.05	582.770	581.820	581.570			1.200				
	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	1.200	3.768		78.783	82.551
	Item No. : 11 Transportation of earth Transportation charges							1.481		32.809	34.290
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=										
	Deduction							3.768			
	Brick work	1		0.785	1.160	1.160	0.950	1.003			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.481			
	Net Qty = A - B							2.287		52.662	54.948
	BSN 7										
	CH32.05	582.870	581.920	581.670			1.200				
	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	1.200	3.768		82.551	86.319
	Item No. : 11 Transportation of earth Transportation charges							1.481		34.290	35.771
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=										
	Deduction							3.768			
	Brick work	1		0.785	1.160	1.160	0.950	1.003			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.481			
	Net Qty = A - B							2.287		54.948	57.235
	BSN 8										
	CH38.55	583.040	582.170	581.920			1.120				
	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	1.120	3.517		86.319	89.835
	Item No. : 11 Transportation of earth Transportation charges							1.397		35.771	37.168
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=										
	Deduction							3.517			



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Date	Particulars of work	DETAILS					Content of arrears	Last measurment		Total Upto Date
		No			L	B	D	Page	Quantity	Quantity
		GL	IL	EX.L						
	Deduction									
	Brick work	1		0.785	1.160	1.160	0.870	0.919		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murum bedding							0.000		
	Total (B)							1.397		
	Net Qty = A - B							2.120	57.235	59.356
	BMN 2	Part - 04								
	CH13.20	585.010	583.480	583.230			1.780			
	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	1.100	3.454	89.835	93.289
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	2.826	3.297
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.280	0.879	0.000	0.879
	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	0.250	0.785	1.570	2.355
	Item No. : 11 Transportation of earth Transportation charges							2.094	37.168	39.262
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=							5.589		
	Deduction									
	Brick work	1		0.785	1.160	1.160	1.530	1.616		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murum bedding							0.000		
	Total (B)							2.094		
	Net Qty = A - B							3.495	59.356	62.851
	BMN 3									
	CH22.00	585.100	583.800	583.550			1.550			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.300	4.082	93.289	97.371
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.050	0.157	2.292	2.449
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	3.297	3.611
	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	2.355	2.669



2

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

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Date	Particulars of work	DETAILS					Content of arrears	Last measurment		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges							1.851		39.262	41.112
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.867			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.300	1.373			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.851			
	Net Qty = A - B							3.016		62.851	65.867
	BMN 4										
	CH28.70	584.950	583.920	583.670			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			2.000	1.700	1.080	3.672		97.371	101.043
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.100	0.340		3.611	3.951
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.100	0.340		2.669	3.009
	Item No. : 11 Transportation of earth Transportation charges							2.106		41.112	43.219
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.352			
	Deduction										
	Brick work	1			1.400	1.100	1.030	1.586			
	soling							0.000			
	PCC	1			1.600	1.300	0.250	0.520			
	Murum bedding							0.000			
	Total (B)							2.106			
	Net Qty = A - B							2.246		65.867	68.113
	BMN 5										
	CH34.70	584.780	583.990	583.740			1.040				
	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	0.840	2.638		101.043	103.681
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		3.951	4.265

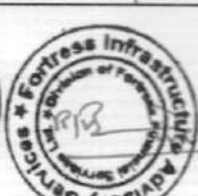


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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		3.009	3.323
	Item No. : 11 Transportation of earth Transportation charges							1.312		43.219	44.531
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.266			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.790	0.834			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.312			
		Net Qty = A - B						1.954		68.113	70.067
	BMN 6										
	CH40.90	584.850	584.030	583.780			1.070				
	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	0.870	2.958		103.681	106.639
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.100	0.340		4.265	4.605
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.100	0.340		3.323	3.663
	Item No. : 11 Transportation of earth Transportation charges							1.783		44.531	46.314
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.638			
	Deduction										
	Brick work	1			1.400	1.100	0.820	1.263			
	soling							0.000			
	PCC	1			1.600	1.300	0.250	0.520			
	Murum bedding							0.000			
	Total (B)							1.783			
		Net Qty = A - B						1.855		70.067	71.922
	BMN 7										
	CH45.90	584.970	584.120	583.870			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.900	3.060		106.639	109.699



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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

Book No. :-

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Balaji Nagar-05Chember

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. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.100	0.340		4.605	4.945
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	0.100	0.340		3.663	4.003
	Item No. : 11 Transportation of earth Transportation charges							1.829		46.314	48.143
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.740			
	Deduction										
	Brick work	1			1.400	1.100	0.850	1.309			
	soling							0.000			
	PCC	1			1.600	1.300	0.250	0.520			
	Murrum bedding							0.000			
	Total (B)							1.829			
		Net Qty = A - B						1.911		71.922	73.833
	BMN 8										
	CH52.70	585.160	584.430	584.180			0.980				
	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	0.780	2.449		109.699	112.148
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000		2.449	2.449
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		4.945	5.259
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000		0.879	0.879
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		4.003	4.317
	Item No. : 11 Transportation of earth Transportation charges							1.249		48.143	49.391
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.077			
	Deduction										
	Brick work	1			0.785	1.160	1.160	0.771			
	soling							0.000			
	PCC	1			0.785	1.560	1.560	0.478			
	Murrum bedding							0.000			
	Total (B)							1.249			
		Net Qty = A - B						1.829		73.833	75.661



2

9th R A BILL MEASUREMENTS CHEMBER DETAILS BALAJI NAGAR-05

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr		Total Rebate Qty for 30 cm
		No					
		GL	IL	DEPTH	For per 30 cm		
A	Extra Item No. 02 : Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	BALAJI NAGAR-05 (Part-01)						
1	BLN 2	583.140	582.040	1.100	1.500	-0.400	-4.967
2	BLN 3	583.820	582.440	1.380	1.500	-0.120	
3	BLN 4	584.120	582.580	1.540	1.500	0.040	
4	BLN 5	584.270	582.750	1.520	1.500	0.020	
5	BLN 6	584.220	582.800	1.420	1.500	-0.080	
6	BLN 7	584.240	582.990	1.250	1.500	-0.250	
7	BLN 8	583.840	583.040	0.800	1.500	-0.700	
	TOTAL					-1.490	-4.967
2	BALAJI NAGAR-05 (Part-02)						
1	BKN 2	582.320	581.420	0.900	1.500	-0.600	-9.200
2	BKN 3	582.955	581.535	1.420	1.500	-0.080	
3	BKN 4	582.870	581.650	1.220	1.500	-0.280	
4	BKN 5	583.360	582.010	1.350	1.500	-0.150	
5	BKN 6	583.330	582.100	1.230	1.500	-0.270	
6	BKN 7	583.560	582.260	1.300	1.500	-0.200	
7	BKN 8	583.300	582.280	1.020	1.500	-0.480	
8	BKN 9	583.350	582.550	0.800	1.500	-0.700	
	TOTAL					-2.760	-9.200
3	BALAJI NAGAR-05 (Part-03)						
1	BSN 2	582.400	581.400	1.000	1.500	-0.500	-11.700
2	BSN 3	582.570	581.520	1.050	1.500	-0.450	
3	BSN 4	582.765	581.595	1.170	1.500	-0.330	
4	BSN 5	582.770	581.770	1.000	1.500	-0.500	
5	BSN 6	582.770	581.820	0.950	1.500	-0.550	
6	BSN 7	582.870	581.920	0.950	1.500	-0.550	
7	BSN 8	583.040	582.170	0.870	1.500	-0.630	
	TOTAL					-3.510	-11.700
4	BALAJI NAGAR-05 (Part-04)						
1	BMN 2	585.010	583.480	1.530	1.500	0.030	-5.500
2	BMN 3	585.100	583.800	1.300	1.500	-0.200	
3	BMN 5	584.780	583.990	0.790	1.500	-0.710	
4	BMN 8	585.160	584.430	0.730	1.500	-0.770	
	TOTAL					-1.650	-5.500



2

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

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Balaji Nagar-05CHEMBER

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to		Total Rebate Qty for 30 cm
		No			Depth of 1.5 mtr		
		GL	IL	DEPTH	For per 30 cm		
B	Extra Item No. 03 : Providing and constructing on sewer.BBM manhole 0.9 x 0.6 m at bottom and depth of 1.5 M etc., complete						
1	BALAJI NAGAR-05 (Part-04)						
1	BMN 4	584.950	583.920	1.030	1.500	-0.470	-6.000
2	BMN 6	584.850	584.030	0.820	1.500	-0.680	
3	BMN 7	584.970	584.120	0.850	1.500	-0.650	
	TOTAL					-1.800	-6.000



2

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 GRP/DI p STP for A

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Balaji Nagar-05Quantity Abstract

QUANTITY ABSTRACT

BALAJI NAGAR-05

SR NO	Discription	MB/PG	ITEM 1		ITEM 2		ITEM 4		ITEM 7		ITEM 11		ITEM 30		ITEM 35	Extra Item 2	Extra Item 2.a	Extra Item 3	Extra Item 3.a	Extra Item No. 9.1		Extra Item 9.6
			0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	1.5-3.0	0-1.5	0-1.5 m	Rebate	0-1.5 m	Rebate	c	d	a
1	For Pipe		168.719	0.967	14.343	0.681	6.135	21.092	30.818	160.029	0.040											
2	For Manhole		112.148	2.449	5.259	0.879	4.317	49.391	75.661	235.690	0.040											
	Total		280.868	3.417	19.602	1.561	10.452	21.092	80.209	235.690	0.040					26.000	-31.367	3.00	-6.00	34.1	136.6	146.10
																26.000	-31.367	3.00	-6.00	###	136.55	146.10

CONTRACTOR



PMC



Jr. Engineer



CLIENT

Ex. Engineer

By Engineer

Last surement	Quantity	Total up to Date
	9	10

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. :-

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

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Balaji Nagar-06 (Vyankatesh Clinic) Meas. SW Pipe

9th R A BILL MEASUREMENTS SW PIPE BALAJI NAGAR-06

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Up Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	SW PIPE - 250 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.02+0.02+0.5=0.790										
	For Lift 1.5 to 3.00m- 0.250+0.02+0.02+0.5+0.4=1.190m										
	For Lift 3.0 to 4.5m- 0.250+0.5+0.02+0.02+0.4+0.4=1.590m										
	BV 01 to BV 02										
	CH0.00	582.990	581.880	581.780			1.210	1.055			
	CH7.60	583.320	582.520	582.420			0.900				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.900	0.790	0.855	3.985		0.000	3.98
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.900	0.790	0.200	0.932		0.000	0.93
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			5.900	0.790	0.000	0.000		0.000	0.00
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.200	0.790	0.100	0.490		0.000	0.49
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			6.450			6.450		0.000	6.45
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.917			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	6.200	0.270	0.270	0.35			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.49			
								0.84			
	Net Qty = A - B							4.07		0.00	4.07



2

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	BV 02 to BV 03										
	CH7.60	583.320	582.520	582.420			0.900	1.100			
	CH22.80	583.910	582.710	582.610			1.300				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.200	0.790	0.850	8.864		3.985	12.849
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.200	0.790	0.250	2.607		0.932	3.539
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			13.200	0.790	0.000	0.000		0.000	0.000
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.800	0.790	0.100	1.090		0.490	1.580
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			14.300			14.300		6.450	20.750
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							11.471			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	13.800	0.270	0.270	0.79			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.09			
								1.88			
		Net Qty = A - B						9.59		4.07	13.66
	BV 03 to BV 04										
	CH22.80	583.910	582.710	582.610			1.300	1.275			
	CH25.80	583.940	582.790	582.690			1.250				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			1.000	0.790	1.025	0.810		12.849	13.659
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.000	0.790	0.250	0.198		3.539	3.737
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.000	0.790	0.000	0.000		0.000	0.000



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Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Up to Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.600	0.790	0.100	0.126		1.580	1.706
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			2.100			2.100		20.750	22.850
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.007			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	1.600	0.270	0.270	0.09			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.13			
								0.22			
		Net Qty = A - B						0.79		13.66	14.45
	BV 04 to BV 05										
	CH25.80	583.940	582.790	582.690			1.250	1.175			
	CH34.50	583.930	582.930	582.830			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			6.700	0.790	0.925	4.896		13.659	18.555
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.700	0.790	0.250	1.323		3.737	5.060
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.700	0.790	0.000	0.000		0.000	0.000
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			7.300	0.790	0.100	0.577		1.706	2.283
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			7.800			7.800		22.850	30.650
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.219			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	7.300	0.270	0.270	0.42			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.58			
								0.99			
		Net Qty = A - B						5.22		14.45	19.68



g

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

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

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

Date of Measurement	Particulars of Work	Details					Last Measurement		Total up to Date
		No.	L	B	D	Contents of Arrears	Page No.	Quantity	

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Balaji Nagar-06 (Vyankatesh Clinic) Meas. SW Pipe

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	BV 05 to BV 06										
	CH34.50	583.930	582.930	582.830			1.100	1.060			
	CH40.70	583.950	583.030	582.930			1.020				
	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	0.790	0.810	2.688		18.555	21.242
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.200	0.790	0.250	0.830		5.060	5.889
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.200	0.790	0.000	0.000		0.000	0.000
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.800	0.790	0.100	0.379		2.283	2.662
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			5.300			5.300		30.650	35.950
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.517			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	4.800	0.270	0.270	0.27			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.38			
								0.65			
								2.86		19.68	22.54



2

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

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Balaji Nagar-06 (Vyankatesh Clinic)Chember

9th R A BILL MEASUREMENTS OF CHEMBERS BALAJI NAGAR-06

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth -0.9+0.5+0.3+0.3=2m										
	Area for chamber up to 1.5m=2 X 2=4m										
	BV 02										
	CH7.60	583.320	582.520	582.270			1.050				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.800	2.512		0.000	2.512
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785		0.000	0.785
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.297			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.800	0.845			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.323			
		Net Qty = A - B						1.974		0.000	1.974
	BV 03										
	CH22.80	583.910	582.710	582.460			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			0.785	4.000	1.200	3.768		2.512	6.280
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785		0.785	1.570
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.553			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.200	1.268			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.745			
		Net Qty = A - B						2.808		1.974	4.782



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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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Balaji Nagar-06 (Vyankatesh Clinic)Chember

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	BV 04										
	CH25.80	583.940	582.790	582.540			1.400				
	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	4.000	1.150	3.611		6.280	9.891
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785		1.570	2.355
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.396			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.150	1.215			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.692			
	Net Qty = A - B							2.704		4.782	7.486
	BV 05										
	CH34.50	583.930	582.930	582.680			1.250				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.000	3.140		9.891	13.031
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.250	0.785		2.355	3.140
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.925			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.000	1.056			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.534			
	Net Qty = A - B							2.391		7.486	9.877
	BV 06										
	CH40.70	583.950	583.030	582.780			1.170				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.920	2.889		13.031	15.920



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

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No	IL	EX.L	L	B		D	Page	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1				0.785	4.000	0.250	0.785	3.140	3.925
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=								3.674		
	Deduction										
	Brick work	1			0.785	1.160	1.160	0.920	0.972		
	soling								0.000		
	PCC	1			0.785	1.560	1.560	0.250	0.478		
	Murrum bedding								0.000		
	Total (B)								1.449		
									2.224	9.877	12.101

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 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

Date of Measurement	Particulars of Work	Details					Last Measurement		Total up to Date
		No.	L	B	D	Contents of Arrears	Page No.	Quantity	
1	2	3	4	5	6	7	8	9	10

9th R A BILL MEASUREMENTS CHEMBER DETAILS BALAJI NAGAR-06

SR NO	CHEMBER NUMBER	DETAILS				Rebate up to Depth of 1.5 mtr	Total Rebate Qty for 30 cm
		No		DEPTH	For per 30 cm		
		GL	IL				
A	Extra Item No. 02 : Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	BALAJI NAGAR-06						
1	BV 02	583.320	582.520	0.800	1.500	-0.700	-8.100
2	BV 03	583.910	582.710	1.200	1.500	-0.300	
3	BV 04	583.940	582.790	1.150	1.500	-0.350	
4	BV 05	583.930	582.930	1.000	1.500	-0.500	
5	BV 06	583.950	583.030	0.920	1.500	-0.580	
	TOTAL					-2.430	-8.100



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 from Banewadi STP to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for A

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Date of Measurement

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Balaji Nagar-06 (Vyankatesh Clinic)Quantity Abstract

QUANTITY ABSTRACT

BALAJI NAGAR-06

SR NO	Discription	MB/PG	ITEM 1	ITEM 2	ITEM 7	ITEM 30	Extra Item 2	Extra Item 2.a	Extra Item No. 9.1	Extra Item No. 9.2
1	For Pipe		0-1.5	0-1.5	2.662	22.541	0-1.5 m	Rebate	d	d
2	For Manhole		15.920	3.925		12.101	5.000		35.95	35.95
		Total	37.162	9.814	2.662	34.642	5.000	-8.100	35.95	35.95

CONTRACTOR



PMC



Jr. Engineer

By. Engineer

Ex. Engineer

CLIENT

[Signature]

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

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Pipe Lying MB-Balaji Nagar-03

9th R A BILL MEASUREMENTS SW PIPE BALAJI NAGAR-03

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	SW PIPE - 200 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.200+0.02+0.02+0.5=0.74m										
	For Lift 1.5 to 3.00m- 0.200+0.02+0.02+0.5+0.4 =1.14m										
	For Lift 3.0 to 4.5m- 0.200+0.5+0.02+0.02+0.4+0.4 =1.54m										
	BL01(old) TO BL02										
	CH0.00	584.400	583.100	583.000			1.400	1.470			
	CH13.10	584.820	583.380	583.280			1.540				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			11.400	0.740	1.470	12.401		0.000	12.401
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.700	0.740	0.100	0.866		0.000	0.866
	Item No. : 11 Transportation of earth Transportation							1.310		0.000	1.310
	Extra Item No.9.2:-Lowering & Laying of SW pipe of 200mm Dia	1			12.200			12.200		0.000	12.200
	Item No. 30 :- Refilling the excavated trenches										
	Total Excavation=							12.401			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	11.700	0.220	0.220	0.44			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.87			
								1.31			
	Net Qty = A - B							11.09		0.00	11.09
	BL02 TO BL03										
	CH13.10	584.820	583.380	583.280			1.540	1.355			
	CH26.40	584.770	583.700	583.600			1.170				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.300	0.740	1.355	11.331		12.401	23.731
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.900	0.740	0.100	0.881		0.866	1.746
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.333		1.310	2.643



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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

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Pipe Lying MB-Balaji Nagar-03

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Extra Item No.9.2:-Lowering & Laying of SW pipe of 200mm Dia	1			12.400			12.400		12.200	24.600
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							11.331			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	11.900	0.220	0.220	0.45			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.88			
								1.33			
		Net Qty = A - B						10.00		11.09	21.09
	BL01TO BL1.1										
	CH0.00	584.400	583.600	583.500			0.900				
	CH3.00	584.590	583.950	583.850			0.740	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			1.450	0.740	0.820	0.880		23.731	24.611
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.750	0.740	0.100	0.130		1.746	1.876
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.196		2.643	2.839
	Extra Item No.9.2:-Lowering & Laying of SW pipe of 200mm Dia	1			2.250			2.250		24.600	26.850
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.880			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	1.750	0.220	0.220	0.07			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.13			
								0.20			
		Net Qty = A - B						0.68		21.09	21.77
	BL02 TO BL02.1										
	CH0.00	584.820	583.880	583.780			1.040				
	CH8.00	584.820	584.300	584.200			0.620	0.830			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.450	0.740	0.830	3.962		24.611	28.573
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			6.750	0.740	0.100	0.500		1.876	2.375



2

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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Pipe Lying MB-Balaji Nagar-03

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation							0.756		2.839	3.595
	Extra Item No.9.2:-Lowering & Laying of SW pipe of 200mm Dia	1			7.250			7.250		26.850	34.100
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.962			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	6.750	0.220	0.220	0.26			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.50			
								0.76			
		Net Qty = A - B						3.21		21.77	24.98
	BL02 TO BL02.2										
	CH0.00	584.820	583.980	583.880			0.940	0.830			
	CH0.80	584.820	584.200	584.100			0.720				
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.600	0.740	0.100	0.044		2.375	2.420
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.067		3.595	3.662
	Extra Item No.9.2:-Lowering & Laying of SW pipe of 200mm Dia	1			0.600			0.600		34.100	34.700
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.000			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	0.600	0.220	0.220	0.02			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.04			
								0.07			
		Net Qty = A - B						0.00		24.98	24.98
	BL2.2 TO BL2.3										
	CH0.80	584.820	584.200	584.100			0.720	0.685			
	CH4.30	584.850	584.300	584.200			0.650				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.800	0.740	0.685	0.912		28.573	29.485
	(b) For Lift 1.5m to 3.0m	1			1.800	0.740	0.000	0.000		0.000	0.000
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.400	0.740	0.100	0.178		2.420	2.597



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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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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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Manhole MB-Balaji Nagar-03

9th R A BILL MEASUREMENTS SW CHAMBER BALAJI NAGAR-03

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	SW - 200mm Dia										
	Excavation of Chamber - For 0.9 Dia. chamber up to Depth of 2.0 mt.- 0.9+0.5+0.3+0.3=2.0m										
	Area for Square chember up to Depth of 1.5m= 2 * 2=4m										
	BL2										
	CH13.10	584.820	583.380	583.130			1.690				
	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		0.000	4.710
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.190	0.597		0.000	0.597
	Item No. : 11 Transportation of earth Transportation charges including loading & Item No. 30 :- Refilling the excavated trenches ...							1.999		0.000	1.999
	Total Excavation(A)=							5.307			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.16	1.16	1.440	1.52			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							2.00			
	Net Qty = A - B							3.31		0.00	3.31
	BL3										
	CH26.40	584.770	583.700	583.450			1.320				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.320	4.145		4.710	8.855
	Item No. : 11 Transportation of earth Transportation charges including loading & Item No. 30 :- Refilling the excavated trenches ...							1.608		1.999	3.606
	Total Excavation(A)=							4.145			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.16	1.16	1.070	1.13			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.61			
	Net Qty = A - B							2.54		3.31	5.84



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Manhole MB-Balaji Nagar-03

Estimate No. Balaji Nagar-03

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - Length for Square chamber 0.6 m up to Depth of 1.5mt- 0.6+0.5+0.3+0.3=1.7m										
	Bredth for Square chamber up to Depth of 1.5m= 0.45+0.5+0.3+0.3=1.55m										
	BL1.1										
	CH3.00	584.590	583.950	583.700			0.890				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.890	2.345		8.855	11.200
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.818		3.606	4.425
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.345			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.10	0.95	0.640	0.53			
	soling							0.00			
	PCC	1.00		0.785	1.30	1.15	0.25	0.29			
	Murrum bedding							0.00			
	Total (B)							0.82			
	Net Qty = A - B							1.53		5.84	7.37
	BL2.1										
	CH8.00	584.820	584.300	584.050			0.770				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.770	2.029		11.200	13.229
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.720		4.425	5.145
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.029			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.10	0.95	0.520	0.43			
	soling							0.00			
	PCC	1.00		0.785	1.30	1.15	0.25	0.29			
	Murrum bedding							0.00			
	Total (B)							0.72			
	Net Qty = A - B							1.31		7.37	8.68
	BL2.2										
	CH8.80	584.820	584.200	583.950			0.870				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										



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

Date of Measurement	Particulars of Work	Details					Last Measurement		Total up to Date
		No.	L	B	D	Contents of Arrears	Page No.	Quantity	

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Manhole MB-Balaji Nagar-03

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.870	2.292		13.229	15.521
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.802		5.145	5.947
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.292			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.10	0.95	0.620	0.51			
	soling							0.00			
	PCC	1.00		0.785	1.30	1.15	0.25	0.29			
	Murrum bedding							0.00			
	Total (B)							0.80			
		Net Qty = A - B						1.49		8.68	10.17
	BL2.3										
	CH4.30	584.850	584.300	584.050			0.800				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	0.800	2.108		15.521	17.629
	(b) For Lift 1.5 to 3.0m	1			1.700	1.550	0.000	0.000		0.597	0.597
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.745		5.947	6.691
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.108			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.10	0.95	0.550	0.45			
	soling							0.00			
	PCC	1.00		0.785	1.30	1.15	0.25	0.29			
	Murrum bedding							0.00			
	Total (B)							0.74			
		Net Qty = A - B						1.36		10.17	11.53



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