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Dnyaynagar 400mm RCC 0.9m, 1.2m MH Excavation

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	Total Excavation=							10.553			
	Deduction										
	Brick work	1		0.785	1.390	1.390	1.450	2.199			
	PCC	1		0.785	1.940	1.940	0.250	0.739			
	Soling	1		0.785	1.940	1.940	0.200	0.591			
								3.529			
								7.025			
									29.029	36.053	
	KGM23.9										
	CH153.75	593.852	592.432	591.982			1.870				
	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	7.076	0.600	3.333	25.318	28.650	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.100	0.555	10.080	10.635	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.800	4.443	15.954	20.397	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.370	2.055	3.805	5.860	
	Item No. : 11 Transportation of earth Transportation charges							3.483	19.982	23.465	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							10.387			
	Deduction										
	Brick work	1		0.785	1.390	1.390	1.420	2.154			
	PCC	1		0.785	1.940	1.940	0.250	0.739			
	Soling	1		0.785	1.940	1.940	0.200	0.591			
								3.483			
								6.903	36.053	42.957	
	KGM23.10										
	CH176.95	594.877	592.677	592.227			2.650				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.740	4.110	28.650	32.761	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.400	2.222	10.635	12.857	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.360	2.000	20.397	22.397	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	1.150	6.387	5.860	12.247	
	Item No. : 11 Transportation of earth Transportation charges							4.666	23.465	28.131	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							14.719			
	Deduction										
	Brick work	1		0.785	1.390	1.390	2.200	3.337			
	PCC	1		0.785	1.940	1.940	0.250	0.739			
	Soling	1		0.785	1.940	1.940	0.200	0.591			
								4.666			
								10.053	42.957	53.010	
	KGM23.11										



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

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Dnyanagar 400mm RCC, 0.9m, 1.2m MH Excavation

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 2 - Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.300	1.666		17.856	19.522
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.150	0.833		0.157	0.990
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.100	0.555		28.451	29.007
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	1.100	6.110		25.356	31.465
	Item No. : 11 Transportation of earth Transportation charges							4.818		37.555	42.373
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							15.274			
	Deduction										
	Brick work	1		0.785	1.390	1.390	2.300	3.488			
	PCC	1		0.785	1.940	1.940	0.250	0.739			
	Soling	1		0.785	1.940	1.940	0.200	0.591			
								4.818			
								Net Qty = A - B		73.357	83.814
	KGM23.14										
	CH250.55	598.117	595.417	594.967			3.150				
	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	7.076	0.300	1.666		44.480	46.147
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.300	1.666		19.522	21.188
	Item No. 4- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.900	4.999		29.007	34.005
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.400	2.222		31.465	33.687
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.250	10.048		0.000	10.048
	Item No. : 11 Transportation of earth Transportation charges							5.425		42.373	47.797
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							20.601			
	Deduction										
	Brick work	1		0.785	1.390	1.390	2.700	4.095			
	PCC	1		0.785	1.940	1.940	0.250	0.739			
	Soling	1		0.785	1.940	1.940	0.200	0.591			
								5.425			
								Net Qty = A - B		83.814	98.991
	KGM23.15										
	CH261.75	598.407	596.057	595.607			2.800				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.150	0.833		46.147	46.980
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.000	0.000		0.722	0.722



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**Measurement Book**

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

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Dnyaynagar 400mm RCC. 0.9m, 1.2m MH Excavation

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			0.785	7.076	0.200	1.111		21.188	22.299
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.000	0.000		0.990	0.990
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.076	0.575	3.194		34.005	37.199
	(b) For Lift 1.5m to 3.0m	1			0.785	7.076	0.000	0.000		33.687	33.687
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.575	4.622		0.000	4.622
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.300	10.450		10.048	20.498
	Item No. : 11 Transportation of earth Transportation charges							4.894		47.797	52.691
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							20.210			
	Deduction										
	Brick work	1			0.785	1.390	1.390	2.350	3.564		
	PCC	1			0.785	1.940	1.940	0.250	0.739		
	Soling	1			0.785	1.940	1.940	0.200	0.591		
								4.894			
	Net Qty = A - B							15.316		98.991	114.307



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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Dnyaynagar 400mm RCC MANHOLE

**9th RA BILL MEASUREMENTS (Excavation of Manhole)
BRANCH SEWER AT "DNYAYNAGAR TO PUNDLIK CHOWK"**

Extra Item. No.82: 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

Sr.No.	MB/ Page No	Chainage	MH No	MTL	IL	Depth	Depth Difference than 1.5 m	Total Difference	Rebate/Add for Excess height (per 30 cm)
1		10.90	KGM23.1	592.152	590.882	1.27	-0.23	-1.720	-5.733
2		31.80	KGM23.2	592.262	590.982	1.28	-0.22		
3		47.00	KGM23.3	592.542	591.062	1.48	-0.02		
4		60.40	KGM23.4	592.412	591.192	1.22	-0.28		
5		73.80	KGM23.5	592.592	591.362	1.23	-0.27		
6		5.00	KGM23.8.2	593.800	593.000	0.80	-0.70		

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

Sr.No.	MB/ Page No	Chainage	MH No	MTL	IL	Depth	Depth Difference than 2 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1		85.85	KGM23.6	592.702	591.512	1.19	-0.81	-0.595	-1.190
2		114.55	KGM23.7	593.062	591.727	1.34	-0.66		
3		130.75	KGM23.8	593.537	592.087	1.45	-0.55		
4		153.75	KGM23.9	593.852	592.432	1.42	-0.58		
5		176.95	KGM23.10	594.877	592.677	2.20	0.20		
6		188.15	KGM23.11	595.537	593.337	2.20	0.20		
7		218.15	KGM23.12	596.357	594.097	2.26	0.26		
8		231.85	KGM23.13	597.047	594.747	2.30	0.30		
9		250.55	KGM23.14	598.117	595.417	2.70	0.70		
10		261.75	KGM23.15	598.407	596.057	2.35	0.35		



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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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P.L.L. & GECPL (Joint Venture)

Overseer 400mm REC Quantity Note Abstract

9th R A BILL MEASUREMENTS

Branch Of Sewer DNYAYNAGAR TO PUNDLIK CHOWK

SR NO	Description	MB/PG	ITEM 1		ITEM 2		ITEM 4		ITEM 5			ITEM 7			ITEM 11			ITEM 12			ITEM 13		ITEM 17	ITEM 21	ITEM 21.1	ITEM 30	ITEM 35	EIRL 2.a	EIRL 2.b
			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	1.5-3.0	200mm	250mm	315mm	315mm	200mm	250mm	315mm	400mm	upto 2 m	Rebate	430.504	0.106	Full Rate
1	For Pipe		204.499	1.109	107.895	1.495	155.094	56.785	5.893	17.179	50.624	111.646	22.050	10.450	6.350	22.050	10.450	6.350	245.400	10.000	(1.190)	114.507	438.504	0.106	6.000	(5.733)			
2	For Manhole		46.980	0.722	22.299	0.990	37.199	33.687	4.622	20.488	56.624	52.691	22.050	10.450	6.350	22.050	10.450	6.350	245.400	10.000	(1.190)	114.507	438.504	0.106	6.000	(5.733)			
	Total		251.479	1.831	130.194	2.485	192.293	90.473	10.516	37.677	164.336	22.050	10.450	6.350	22.050	10.450	6.350	245.400	10.000	(1.190)	114.507	438.504	0.106	6.000	(5.733)				

[Signature]
Ex. Engineer

[Signature]
Dy. Engineer

[Signature]
Jr. Engineer

[Signature]



at	Total up to Date
	10

Vitthal Nagar Near Dutta Temple Meas. DWC

9th R A BILL MEASUREMENTS DWC PIPE VITTHAL NAGAR NEAR DUTTA TEMPLE

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
Part - 01	DWC - 200mm 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										
	VN 01 to VN 02										
	CH0.00	586.980	585.980	585.880			1.100	1.100			
	CH7.00	587.620	586.620	586.520			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.600	0.700	0.850	3.332	0.000	3.332	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.600	0.700	0.150	0.588	0.000	0.588	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			5.600	0.700	0.100	0.392	0.000	0.392	
	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 & unloading							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=							4.312			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	5.600	0.200	0.200	0.176			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.392			
								0.568			
								3.744			
	VN 02 to VN 03								0.000	3.744	
	CH7.00	587.620	586.620	586.520			1.100				
	CH14.00	587.740	586.640	586.540			1.200	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			5.600	0.700	0.950	3.724	3.332	7.056	



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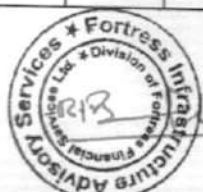
Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). 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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Vitthal Nagar Near Dutta Temple 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							
	soling										
	PCC						0.000				
	Murram bedding						0.000				
							0.455				
							0.659				
		Net Qty = A - B						4.801	16.972	21.773	
	VN 06 to VN 07										
	CH37.90	587.960	586.860	586.760			1.200				
	CH46.70	588.170	587.170	587.070			1.100	1.150			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			7.400	0.700	0.950	4.921	20.384	25.305	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			7.400	0.700	0.200	1.036	4.130	5.166	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.400	0.700	0.100	0.518	2.163	2.681	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.750	3.133	3.884	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			7.900			7.900	33.400	41.300	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.957			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	7.400	0.200	0.200	0.232			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.518			
								0.750			
		Net Qty = A - B						5.207	21.773	26.979	
	VN 07 to VN 08										
	CH46.70	588.170	587.170	587.070			1.100				
	CH53.90	588.180	587.180	587.080			1.100	1.100			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			5.800	0.700	0.900	3.654	25.305	28.959	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			5.800	0.700	0.200	0.812	5.166	5.978	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.800	0.700	0.100	0.406	2.681	3.087	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.588	3.884	4.472	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			6.300			6.300	41.300	47.600	



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Vitthal Nagar Near Dutta Temple 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. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			5.500	0.700	0.300	1.155		8.960	10.115	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.100	0.700	0.100	0.427		4.578	5.005	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.619		6.632	7.250	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			6.600			6.600		70.400	77.000	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							4.524				
	Deduction of 200mm dia pipe											
	pipe area	1.000		0.785	6.100	0.200	0.200	0.192				
	soling							0.000				
	PCC							0.000				
	Murrum bedding							0.427				
								0.619				
								Net Qty = A - B		3.905	45.098	49.004
	VND 02 to VND 03											
	CH7.50	587.940	586.890	586.790			1.150	1.150				
	CH14.50	587.980	586.930	586.830			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			5.000	0.700	0.850	2.975		45.747	48.722	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			5.000	0.700	0.300	1.050		10.115	11.165	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.600	0.700	0.100	0.392		5.005	5.397	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.568		7.250	7.818	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			6.100			6.100		77.000	83.100	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							4.025				
	Deduction of 200mm dia pipe											
	pipe area	1.000		0.785	5.600	0.200	0.200	0.176				
	soling							0.000				
	PCC							0.000				
	Murrum bedding							0.392				
								0.568				
								Net Qty = A - B		3.457	49.004	52.461
	VND 04 to VND 05											
	CH0.00	587.630	586.330	586.230			1.400					



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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. :- 016
Page No. :-

3

Vitthal Nagar Near Dutta Temple Meas. DWC

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC							0.000			
	Murum bedding							0.406			
								0.588			
		Net Qty = A - B						4.467	55.751	60.217	
	VND 06 to VND 07										
	CH12.50	588.120	587.030	586.930			1.190	1.145			
	CH19.00	588.050	587.050	586.950			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			5.100	0.700	0.845	3.017	55.425	58.442	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.100	0.700	0.300	1.071	13.202	14.273	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.100	0.700	0.100	0.357	6.076	6.433	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.517	8.802	9.319	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			5.600			5.600	93.800	99.400	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.088			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	5.100	0.200	0.200	0.160			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.357			
								0.517			
		Net Qty = A - B						3.571	60.217	63.788	
	VND 08 to VND 8.1										
	CH0.00	587.030	585.730	585.630			1.400	1.400			
	CH18.50	587.530	586.230	586.130			1.400				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			17.100	0.700	1.100	13.167	58.442	71.609	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			17.100	0.700	0.300	3.591	14.273	17.864	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.100	0.700	0.100	1.197	6.433	7.630	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.734	9.319	11.053	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			17.600			17.600	99.400	117.000	



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

Book No. :-

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1

Vitthal Nagar Near Dutta Temple RISING MH

9th R A BILL MEASUREMENTS OF RISING CHEMBERS VITTHAL NAGAR NEAR DUTTA TEMPLE

Date	Particulars of work	DETAILS				Content of arrears	Last measurement		Total Upto Date Quantity
		No	L	B	D		Page	Quantity	
A	Extra Item No:4								
	Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.								
	0.9 Dia MH	11	2.90	0.230	0.300	2.205		0.000	2.205
	Extra Item :4(b)Internal plaster	12	2.29	0.000	1.000	27.506		0.000	27.506
		10	0.90	0.000	1.180	10.620		0.000	10.620
		10	0.60	0.000	1.180	7.080		0.000	7.080
									45.206
	Extra Item :4 e)-i-0.9m Dia Manhole	1				1.000			1.000
	Extra Item :9.8 - Supplying of Heavy Duty RCC (S.F.R.C.) Manhole Cover With Frame of verious Dia. etc. complete.As per MJP CSR 14-15 It.No.17 Pg.No.260								
	b) 0.90 X 0.60 Mtr.	3				3.000			3.000



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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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1

Vitthal Nagar Near Dutta Temple Chamber

9th R A BILL MEASUREMENTS OF CHEMBERS VITTHAL NAGAR NEAR DUTTA TEMPLE

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			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										
Part - 02	DWC - 200mm Dia										
	VND 01										
	CH0.00	587.500	586.400	586.150			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	1.050	3.297	0.000	3.297	
	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	0.300	0.942	0.000	0.942	
	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	
	VND 02										
	CH7.50	587.940	586.890	586.640			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	1.000	3.140	3.297	6.437	
	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	0.300	0.942	0.942	1.884	
	Item No. : 11 Transportation of earth Transportation charges							1.587	1.640	3.226	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.082			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.050	1.109			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.587			
	Net Qty = A - B							2.495	2.599	5.095	



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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

1

Vitthal Nagar Near Dutta Temple CHEMBER

9th R A BILL MEASURMENTS CHEMBER DETAILS VITTHAL NAGAR NEAR DUTTA TEMPLE

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr		Total Rebate Qty for 30 cm
		No			For per 30 cm		
		GL	IL	DEPTH			
A	Extra Item No. 02 : Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	VITTHAL NAGAR NEAR DUTTA TEMPLE						
1	VND 01	587.500	586.400	1.100	1.500	-0.400	
2	VND 02	587.940	586.890	1.050	1.500	-0.450	-4.333
3	VND 03	587.980	586.930	1.050	1.500	-0.450	
	TOTAL					-1.300	-4.333



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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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Page 1

Pipe lying MB Mhada Colony-04 Near Bikaner Sweet

9th R A BILL MEASUREMENTS DWC PIPE MHADA COLONY-04 NEAR BIKANER SWEET

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										
	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										
	MCB 01 to MCB 02										
	CH0.00	586.020	585.020	584.920			1.100	1.100			
	CH12.00	586.020	585.020	584.920			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.600	0.700	1.100	8.162	0.000	8.162	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.600	0.700	0.100	0.742	0.000	0.742	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.075	0.000	1.075	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			11.100			11.100	0.000	11.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							8.162			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	10.600	0.200	0.200	0.333			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.742			
								1.075			
	Net Qty = A - B							7.087	0.000	7.087	
	MCB 02 to MCB 03										
	CH12.00	586.020	585.020	584.920			1.100	1.125			
	CH24.00	586.190	585.140	585.040			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			10.600	0.700	1.125	8.348	8.162	16.510	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.600	0.700	0.100	0.742	0.742	1.484	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.075	1.075	2.150	



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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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Infrastructures Pvt Ltd & GECPL (Joint Venture)

1

Mhada Colony-04 Near Bikaner Sweet BBM Trench

9th R A BILL MEASUREMENTS OF MHADA COLONY-04 NEAR BIKANER SWEET

Date	Particulars of work	DETAILS				Content of arrears	Last measurement		Total Upto Date Quantity
		No	L	B	D		Page	Quantity	
A	0.9m X 0.6 m Manhole								
	Average depth= $((1.1+1.15+1.1+1.08+1.2+1.2) \cdot (0.25 \times 6) / 6) = 0.89$								
	Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.								
	(a) Long Wall	12	0.600		0.890	6.408		0.000	6.408
	(b) Short Wall	12	0.450		0.890	4.806		0.000	4.806
						11.214		0.000	11.214



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Safim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main 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	Details										Last Measurement	Total up to Date																																																																																													
1	<p>Qty Mhada Colony-04 Near Bikaner Sweet</p> <p>QUANTITY ABSTRACT</p> <p>MHADA COLONY-04 NEAR BIKANER SWEET</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Sr. No.</th> <th rowspan="2">Discription</th> <th rowspan="2">MB/PG</th> <th colspan="2">ITEM 1</th> <th colspan="2">ITEM 2</th> <th colspan="2">ITEM 7</th> <th colspan="2">ITEM 11</th> <th colspan="2">ITEM 12</th> <th colspan="2">ITEM 13</th> <th colspan="2">ITEM 30</th> <th colspan="2">Extra Item 4</th> </tr> <tr> <th>0-1.5</th> <th>33.137</th> <th>0-1.5</th> <th>1.691</th> <th>3.073</th> <th>3.073</th> <th>4.451</th> <th>4.451</th> <th>200mm</th> <th>200mm</th> <th>46.400</th> <th>46.400</th> <th>46.400</th> <th>46.400</th> <th>30.376</th> <th>a</th> <th>b</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>For Pipe</td> <td></td> <td>33.137</td> <td></td> <td>1.691</td> <td></td> <td>3.073</td> <td></td> <td>4.451</td> <td></td> <td>46.400</td> <td></td> <td>46.400</td> <td></td> <td>30.376</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>For Manhole</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11.214</td> </tr> <tr> <td></td> <td>Total</td> <td></td> <td>33.137</td> <td></td> <td>1.691</td> <td></td> <td>3.073</td> <td></td> <td>4.451</td> <td></td> <td>46.400</td> <td></td> <td>46.400</td> <td></td> <td>30.376</td> <td></td> <td>0.000</td> <td>11.214</td> </tr> </tbody> </table>										Sr. No.	Discription	MB/PG	ITEM 1		ITEM 2		ITEM 7		ITEM 11		ITEM 12		ITEM 13		ITEM 30		Extra Item 4		0-1.5	33.137	0-1.5	1.691	3.073	3.073	4.451	4.451	200mm	200mm	46.400	46.400	46.400	46.400	30.376	a	b	1	For Pipe		33.137		1.691		3.073		4.451		46.400		46.400		30.376				2	For Manhole																	11.214		Total		33.137		1.691		3.073		4.451		46.400		46.400		30.376		0.000	11.214	9	10
Sr. No.	Discription	MB/PG	ITEM 1		ITEM 2		ITEM 7		ITEM 11					ITEM 12		ITEM 13		ITEM 30		Extra Item 4																																																																																					
			0-1.5	33.137	0-1.5	1.691	3.073	3.073	4.451	4.451	200mm	200mm	46.400	46.400	46.400	46.400	30.376	a	b																																																																																						
1	For Pipe		33.137		1.691		3.073		4.451		46.400		46.400		30.376																																																																																										
2	For Manhole																	11.214																																																																																							
	Total		33.137		1.691		3.073		4.451		46.400		46.400		30.376		0.000	11.214																																																																																							

9/8/2014

Ex. Engineer

CLIENT

Dy. Engineer

PMC

Project Manager Jr. Engineer

Project Engineer


CONTRACTOR

Authorized Signatory

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

9th R A BILL MEASUREMENTS SW PIPE NYAY NAGAR

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B		D	Page	
		GL	IL	EX.L						
	SW PIPE - 200 mm Dia	NYAY NAGAR NEAR HANUMAN TEMPLE								
	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									
	NYH 01 to NYH 02									
	CH0.00	607.052	606.147	606.047			1.005	0.913		
	CH12.20	607.392	606.672	606.572			0.820			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			10.200	0.740	0.400	3.019	0.000	3.019
	(b) For Lift 1.5m to 3.0m	1			10.200	0.740	0.000	0.000	0.000	0.000
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			10.200	0.740	0.363	2.736	0.000	2.736
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			10.200	0.740	0.150	1.132	0.000	1.132
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.800	0.740	0.100	0.799	0.000	0.799
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.210	0.000	1.210
	Extra Item No. 9.2 (c):- Lowering & Laying of SWG pipe of 200mm Dia	1			11.300			11.300	0.000	11.300
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation=							6.888		
	Deduction of 200mm dia pipe									
	pipe area	1.00		0.785	10.800	0.220	0.220	0.41		
	soiling							0.00		
	PCC							0.00		
	Murrum bedding							0.80		
								1.21		
	Net Qty = A - B							5.68	0.00	5.68



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshirawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward

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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	NYH 02 to NYH 03										
	CH12.20	607.392	606.672	606.572			0.820	0.835			
	CH26.60	607.432	606.682	606.582			0.850				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.400	0.740	0.400	3.670	3.019	6.690	
	(b) For Lift 1.5m to 3.0m	1			12.400	0.740	0.000	0.000	0.000	0.000	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.400	0.740	0.285	2.615	2.736	5.351	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			12.400	0.740	0.150	1.376	1.132	2.509	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.000	0.740	0.100	0.962	0.799	1.761	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.456	1.210	2.665	
	Extra Item No. 9.2 (c):- Lowering & Laying of SWG pipe of 200mm Dia	1			13.500			13.500	11.300	24.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							7.662			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	13.000	0.220	0.220	0.49			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.96			
								1.46			
	Net Qty = A - B							6.21	5.68	11.88	
	NYH 03 to NYH 04										
	CH26.60	607.432	606.682	606.582			0.850	0.830			
	CH37.90	607.712	607.002	606.902			0.810				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			9.300	0.740	0.300	2.065	6.690	8.754	
	(b) For Lift 1.5m to 3.0m	1			9.300	0.740	0.000	0.000	0.000	0.000	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.300	0.740	0.530	3.647	5.351	8.999	



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Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.900	0.740	0.100	0.733		1.761	2.494
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.109		2.665	3.774
	Extra Item No. 9.2 (c):- Lowering & Laying of SWG pipe of 200mm Dia	1			10.400			10.400		24.800	35.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.712			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	9.900	0.220	0.220	0.38			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							0.73			
								1.11			
	Net Qty = A - B							4.60		11.88	16.49
	NYH 04 to NYH 05										
	CH37.90	607.712	607.002	606.902			0.810	0.855			
	CH51.25	608.052	607.252	607.152			0.900				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.350	0.740	0.300	2.520		8.754	11.274
	(b) For Lift 1.5m to 3.0m	1			11.350	0.740	0.000	0.000		0.000	0.000
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.350	0.740	0.555	4.661		8.999	13.660
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.950	0.740	0.100	0.884		2.494	3.378
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.338		3.774	5.113
	Extra Item No. 9.2 (c):- Lowering & Laying of SWG pipe of 200mm Dia	1			12.450			12.450		35.200	47.650
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							7.181			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	11.950	0.220	0.220	0.45			
	soiling							0.00			



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

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Nyay Nagar DWC-Meas. SW

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC							0.00			
	Murum bedding							0.88			
								1.34			
		Net Qty = A - B						5.84	16.49	22.33	
	NYH 05 to NYH 06										
	CH51.25	608.052	607.252	607.152			0.900	0.893			
	CH61.05	608.242	607.457	607.357			0.885				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.800	0.740	0.300	1.732	11.274	13.006	
	(b) For Lift 1.5m to 3.0m	1			7.800	0.740	0.000	0.000	0.000	0.000	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.800	0.740	0.593	3.420	13.660	17.080	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.400	0.740	0.100	0.622	3.378	4.000	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.941	5.113	6.053	
	Extra Item No. 9.2 (c):- Lowering & Laying of SWG pipe of 200mm Dia	1			8.900			8.900	47.650	56.550	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.152			
	Deduction of 200mm dia pipe										
	pipe area	1.00		0.785	8.400	0.220	0.220	0.32			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.62			
								0.94			
		Net Qty = A - B						4.21	22.33	26.54	
	NYH 06 to NYH 07										
	CH61.05	608.242	607.457	607.357			0.885	0.748			
	CH68.45	608.022	607.512	607.412			0.610				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			5.400	0.740	0.300	1.199	13.006	14.204	
	(b) For Lift 1.5m to 3.0m	1			5.400	0.740	0.000	0.000	0.000	0.000	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.400	0.740	0.448	1.788	17.080	18.868	



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