

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

Samata Nagar-Quantity Abstract

QUANTITY ABSTRACT																
SAMATA NAGAR																
SR NO	Discription	MB/PG	ITEM 1		ITEM 2		ITEM 4	ITEM 7	ITEM 11	ITEM 12		ITEM 21		ITEM 21.1	ITEM 30	ITEM 35
			0-1.5	1.5-3.0	0-1.5	1.5-3.0				0-1.5	0-2 m	RR (1420)	Rebate			
1	For Pipe		19.706	4.674	10.509	2.12	2.158	1.744	2.527	200mm	200mm	0-2 m				
2	For Manhole		85.835	33.934	29.963	26.13	8.331		51.272	32.420	32.420	10.000	5.000	-0.670	36.640	0.036
	Total		105.541	38.608	40.472	28.251	10.489	1.744	53.798	32.420	32.420	10.000	5.000	-0.670	132.923	0.036

CONTRACTOR
Navanagar Pvt. Ltd.
Authorized Signatory
Mumbai

PMC
Project Engineer

PM
Project Manager

Jr. Engineer

CLIENT
Dy. Engineer

Ex. Engineer

9th R A BILL MEASUREMENTS DWC PIPE NAGESHWARWADI

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	DWC - 250mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.5=0.750m										
	For Lift 1.5 to 3.00m- 0.250+0.5+0.4=1.150m										
	For Lift 3.0 to 4.5m- 0.250+0.5+0.4+0.4=1.550m										
	N1 to N2										
	CH0.00	563.200	562.005	561.905			1.295	1.160			
	CH20.00	563.640	562.715	562.615			1.025				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.000	0.750	0.910	12.285	0.000	12.285	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.000	0.750	0.150	2.025	0.000	2.025	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			18.000	0.750	0.100	1.350	0.000	1.350	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			18.600	0.750	0.100	1.395	0.000	1.395	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							2.308	0.000	2.308	
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			19.100			19.100	0.000	19.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							15.660			
	Deduction of 250mm dia pipe										
	pipe area	1.000		0.785	18.600	0.250	0.250	0.913			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.395			
								2.308			
								13.352	0.000	13.352	



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Nageshwarwadi-Measurement

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	N2 to N3										
	CH20.00	563.640	562.715	562.615			1.025				
	CH27.60	563.885	562.950	562.850			1.035	1.030			
	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	0.750	0.780	3.276		12.285	15.561
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.600	0.750	0.150	0.630		2.025	2.655
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			5.600	0.750	0.100	0.420		1.350	1.770
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.200	0.750	0.100	0.465		1.395	1.860
	Item No. 11 Transportation of earth Transportation charges							0.769		2.308	3.077
	Item No. 13 :- (c)Lowering & Laying of Polyethylene DWC pipe of 250mm Dia	1			6.700			6.700		19.100	25.800
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.326			
	Deduction of 250mm dia pipe										
	pipe area	1.000									
	soling			0.785	6.200	0.250	0.250	0.304			
	PCC							0.000			
	Murrum bedding							0.000			
								0.465			
								0.769			
	Net Qty = A - B							3.557		13.352	16.909



18th July

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

Book No. :-
Page No. :- 165

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Nageshwarwadi-Manhole

9th R A BILL MEASUREMENTS OF CHEMBERS NAGESHWARWADI

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	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									
	N1									
	CH0.00	563.200	562.005	561.755			1.445			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.195	3.752	0.000	3.752
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.000	0.471
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.000	0.314
	Item No. : 11 Transportation of earth Transportation charges							1.740	0.000	1.740
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=							4.537		
	Deduction									
	Brick work	1		0.785	1.160	1.160	1.195	1.262		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murrum bedding							0.000		
	Total (B)							1.740		
	Net Qty = A - B							2.797	0.000	2.797
	N2									
	CH20.00	563.640	562.715	562.465			1.175			
	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	0.925	2.904	3.752	6.657
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.471	0.942
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.314	0.628
	Item No. : 11 Transportation of earth Transportation charges							1.455	1.740	3.195



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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.689				
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.925	0.977			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	Total (B)						1.455				
				Net Qty = A - B				2.235		2.797	5.032
	N3										
	CH27.60	563.885	562.950	562.700			1.185				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.935	2.936	6.657	9.593	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.942	1.413	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.628	0.942	
	Item No. : 11 Transportation of earth Transportation charges							1.465	3.195	4.660	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.721				
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.935	0.988			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	Total (B)						1.465				
				Net Qty = A - B				2.256		5.032	7.288



7/04/25

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

Book No. :-

Page No. :- 167

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

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Nageshwarwadi-CHEMBER

9th R A BILL MEASURMENTS CHEMBER DETAILS

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. 2 : Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	NAGESHWARWADI						
1	N1	563.200	562.005	1.195	1.500	-0.305	
2	N2	563.640	562.715	0.925	1.500	-0.575	-4.817
3	N3	563.885	562.950	0.935	1.500	-0.565	
	TOTAL					-1.445	-4.817



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Nageshwarwadi-Quantity Abstract

QUANTITY ABSTRACT
NAGESHWARWADI

Sr. No.	Discription	MB/PG	ITEM 1		ITEM 2	ITEM 4	ITEM 7	ITEM 11	ITEM 12		ITEM 13	ITEM 30	Extra Item 2	Extra Item 2.a
			0-1.5	1.5-3.0					250mm	250mm				
1	For Pipe		15.561		2.655	1.770	1.860	3.077	25.800	25.800	25.800	16,909	0-1.5 m RR (3450)	Rebate
2	For Manhole		9.593		1.413	0.942	4.660	7.737				7.288		
	Total		25.154	0.000	4.068	2.712	1.860	7.737	25.800	25.800	25.800	24,197	3.000	-4,817

CONTRACTOR

Authorized Signatory



Project Engineer



Project Manager

[Signature]

Jr. Engineer

CLIENT

[Signature]

Dy. Engineer

[Signature]
Ex. Engineer

Development of Underground Sewerage Collection system for Zone I to VI and Zone Sarim 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

9th RA BILL MEASURMENTS DWC PIPE SAMARTH NAGAR

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	DWC - 315 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.315+0.5=0.815m										
	For Lift 1.5 to 3.00m- 0.315+0.5+0.4=1.215m										
	For Lift 3.0 to 4.5m- 0.315+0.5+0.4+0.4=1.615m										
	SANO TO SAN1										
	CH0.00	557.370	555.020	554.920			2.450	2.350			
	CH2.00	557.370	555.220	555.120			2.250				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.670	1.215	1.300	1.058	0.000	1.058	
	(b) For Lift 1.5m to 3.0m	1			0.670	0.815	0.850	0.464	0.000	0.464	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.670	1.215	0.150	0.122	0.000	0.122	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.670	1.215	0.050	0.041	0.000	0.041	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.170	0.815	0.100	0.095	0.000	0.095	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.186	0.000	0.186	
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia	1			1.420			1.420	0.000	1.420	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.685			
	Deduction of 315mm dia pipe										
	pipe area	1.00		0.785	1.170	0.315	0.315	0.091			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.095			
								0.186			
	Net Qty = A - B							1.499	0.000	1.499	



MPH JG

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			29.540	1.215	0.150	5.384		5.287	10.671
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			29.540	1.215	0.050	1.795		1.762	3.557
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
		1			30.540	0.815	0.100	2.489		2.487	4.976
	Item No. : 11 Transportation of earth Transportation charges including loading &							4.868		4.863	9.731
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia										
		1			31.040			31.040		31.260	62.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							82.727			
	Deduction of 315mm dia pipe										
	pipe area	1.00		0.785	30.540	0.315	0.315	2.379			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							2.489			
								4.868			
	Net Qty = A - B							77.859		72.146	150.005
	PVC - 160 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- $0.160+0.5=0.66m$										
	For Lift 1.5 to 3.00m- $0.16+0.5+0.4=1.06m$										
	For Lift 3.0 to 4.5m- $0.16+0.5+0.4+0.4=1.46m$										
	SAN3 TO SAN3.1										
	CH0.00	559.120	556.620	556.520				2.600			
	CH4.60	559.400	558.900	558.800				0.600		1.600	
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.050	1.060	1.300	4.203		92.480	96.683
	(b) For Lift 1.5m to 3.0m	1			3.050	0.660	0.100	0.201		53.029	53.230
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										



Md J

Samarth Nagar-300mmDWC-Measurment

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	(a) For Lift 0 to 1.5m	1			3.050	1.060	0.150	0.485		10.671	11.156
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.050	1.060	0.050	0.162		3.557	3.719
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.050	0.660	0.100	0.201		4.976	5.177
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.263		9.731	9.993
	Extra Item No.9.6 b) :- Lowering & Laying of Polyethylene PVC pipe of 160mm Dia	1			3.550			3.550		0.000	3.550
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.051			
	Deduction of 315mm dia pipe										
	pipe area	1.00		0.785	3.050	0.160	0.160	0.061			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.201			
								0.263			
	SAN3 TO SAN3.2							4.788		150.005	154.794
	CH0.00	559.120	556.700	556.600							
	CH3.15	559.250	556.100	556.000			2.520	2.885			
							3.250				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.600	1.060	1.300	2.205		96.683	98.887
	(b) For Lift 1.5m to 3.0m	1			1.600	0.660	1.385	1.463		53.230	54.693
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.600	1.060	0.150	0.254		11.156	11.410
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.600	1.060	0.050	0.085		3.719	3.803
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.600	0.660	0.100	0.106		5.177	5.282



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JU

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 including loading &						0.138		9.993	10.131	
	Item No. 13 :- (d)Lowering & Laying of Polyethylene DWC pipe of 315mm Dia								62.300	62.300	
	Extra Item No.9.6 b) :- Lowering & Laying of Polyethylene PVC pipe of	1			2.100		2.100		3.550	5.650	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						4.007				
	Deduction of 315mm dia pipe										
	pipe area	1.00		0.785	1.600	0.160	0.160	0.032			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.106			
								0.138			
		Net Qty = A - B						3.869		154.794	158.662
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.062					0.062	



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9th R A BILL MEASUREMENTS CHEMBER DETAILS SAMARTH NAGAR

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 Differenc e	Rebate/Add for Excess height (per 50 cm)
1		2.00	SAN1	557.370	555.220	2.15	0.15	1.350	2.700
2		33.00	SAN2	558.470	555.770	2.70	0.70		
3		65.20	SAN3	559.120	556.620	2.50	0.50		



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Samarth Nagar-300mmDWC-Qty Abstract
QUANTITY ABSTRACT RA 9th
SAMARTH NAGAR

SR NO	Discription	MB/PG	ITEM 1		ITEM 2	ITEM 4	ITEM 7	ITEM 11	ITEM 12	ITEM 13	ITEM 21	ITEM 21.1	ITEM 30	ITEM 35	Extra Item No.9.5	Extra Item No.9.6
			0-1.5	1.5-3.0												
1	For Pipe		98.887	54.693	11.410	3.803	5.282	10.131	62.300	62.300	0-2 m		158.662	0.062	5.650	5.650
2	For Manhole		21.662	19.996	2.499	0.833		13.364					31.627			
	Total		120.549	74.688	13.910	4.637	5.282	23.495	62.300	62.300	3.000	2.700	190.289	0.062	5.650	5.650

CLIENT

PMC

CONTRACTOR



Ex. Engineer

Dy. Engineer

Jr. Engineer

Project Manager

Project Engineer

Authorized Signatory

9th RA BILL MEASUREMENTS SW PIPE PADAMPURA LAXMIWADI-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	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										
	PL 01 to PL 02										
	CH0.00	562.776	561.646	561.546			1.230				
	CH9.10	562.596	561.476	561.376			1.220	1.225			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.100	0.790	1.165	6.534	0.000	6.534	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.100	0.790	0.060	0.337	0.000	0.337	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.700	0.790	0.100	0.608	0.000	0.608	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.049	0.000	1.049	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			8.200			8.200	0.000	8.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.871			
	Deduction of 250mm dia pipe area	1		0.785	7.700	0.270	0.270	0.441			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.608			
								1.049			
								5.822	0.000	5.822	
	PL 02 to PL 03										
	CH9.10	562.596	561.476	561.376			1.220				
	CH15.80	562.576	561.316	561.216			1.360	1.290			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										



MBK 20

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			4.700	0.790	1.230	4.567		6.534	11.101
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.700	0.790	0.060	0.223		0.337	0.559
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.300	0.790	0.100	0.419		0.508	1.027
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.722		1.049	1.771
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			5.800			5.800		8.200	14.000
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.790			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	5.300	0.270	0.270	0.303			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.419			
								0.722			
	Net Qty = A - B							4.068		5.822	9.890
	PL 03 to PL 04										
	CH15.80	562.576	561.316	561.216			1.360	1.400			
	CH22.30	562.556	561.216	561.116			1.440				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.500	0.790	1.340	4.764		11.101	15.865
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.500	0.790	0.060	0.213		0.559	0.773
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.100	0.790	0.100	0.403		1.027	1.430
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.695		1.771	2.466
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			5.600			5.600		14.000	19.600
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.977			
	Deduction of 250mm dia pipe										



17/11/20

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	pipe area	1		0.785	5.100	0.270	0.270	0.292			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.403			
								0.695			
		Net Qty = A - B						4.282		9.890	14.172
	PL 04 to PL 05										
	CH22.30	562.556	561.216	561.116			1.440				
	CH29.10	562.476	561.006	560.906			1.570	1.505			
	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	0.790	1.440	5.460	15.865	21.326	
	(b) For Lift 1.5m to 3.0m	1			4.800	0.790	0.005	0.019	0.000	0.019	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.800	0.790	0.060	0.228	0.773	1.000	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.400	0.790	0.100	0.427	1.430	1.857	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.736	2.466	3.201	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			5.900			5.900	19.600	25.500	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.707			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	5.400	0.270	0.270	0.309			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.427			
								0.736			
		Net Qty = A - B						4.971		14.172	19.143
	PL 05 to PL 06										
	CH29.10	562.476	561.006	560.906			1.570				
	CH36.80	562.496	560.956	560.856			1.640	1.605			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.700	1.190	1.440	9.768	21.326	31.093	
	(b) For Lift 1.5m to 3.0m	1			5.700	0.790	0.105	0.473	0.019	0.492	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										



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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			5.700	1.190	0.060	0.437		1.000	1.407
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.300	0.790	0.100	0.498		1.857	2.354
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.858		3.201	4.060
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			6.800			6.800		25.500	32.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							10.647			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	6.300	0.270	0.270	0.361			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.498			
								0.858			
	Net Qty = A - B							9.789		19.143	28.933
	PL 06 to PL 07										
	CH36.80	562.496	560.956	560.856			1.640	1.645			
	CH43.40	562.466	560.916	560.816			1.650				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.600	1.190	1.440	7.883		31.093	38.976
	(b) For Lift 1.5m to 3.0m	1			4.600	0.790	0.145	0.527		0.492	1.019
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.600	1.190	0.060	0.328		1.407	1.736
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.200	0.790	0.100	0.411		2.354	2.765
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.708		4.060	4.768
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			5.700			5.700		32.300	38.000
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							8.738			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	5.200	0.270	0.270	0.298			
	soling							0.000			
	PCC							0.000			



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Pipe Lying MB Padampura Laxmiwadi - 02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Murrum bedding							0.411			
								0.708			
		Net Qty = A - B						8.030	28.933	36.962	
	PL 07 to PL 08										
	CH43.40	562.466	560.916	560.816			1.650				
	CH50.70	562.356	560.846	560.746			1.610	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			5.300	1.190	1.440	9.082	38.976	48.058	
	(b) For Lift 1.5m to 3.0m	1			5.300	0.790	0.130	0.544	1.019	1.563	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.300	1.190	0.060	0.378	1.736	2.114	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.900	0.790	0.100	0.466	2.765	3.231	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.804	4.768	5.572	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			6.400			6.400	38.000	44.400	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							10.005			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	5.900	0.270	0.270	0.338			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.466			
								0.804			
		Net Qty = A - B						9.201	36.962	46.163	
	PL 08 to PL 09										
	CH50.70	562.356	560.846	560.746			1.610				
	CH59.60	562.356	560.716	560.616			1.740	1.675			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.900	1.190	1.440	11.824	48.058	59.882	
	(b) For Lift 1.5m to 3.0m	1			6.900	0.790	0.175	0.954	1.563	2.517	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.900	1.190	0.060	0.493	2.114	2.607	



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9th R A BILL MEASUREMENTS OF CHEMBERS PADAMPURA LAXMIWADI-02

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	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									
	PL 01									
	CH0.00	562.776	561.646	561.396			1.380			
	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	0.000	4.145
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.060	0.188	0.000	0.188
	Item No. : 11 Transportation of earth Transportation charges							1.671	0.000	1.671
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						4.333			
	Deduction									
	Brick work	1		0.785	1.160	1.160	1.130	1.194		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murrum bedding							0.000		
	Total (B)							1.671		
	Net Qty = A - B							2.662	0.000	2.662
	PL 02									
	CH9.10	562.596	561.476	561.226			1.370			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.310	4.113	4.145	8.258
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.060	0.188	0.188	0.377
	Item No. : 11 Transportation of earth Transportation charges							1.661	1.671	3.332
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						4.302			
	Deduction									
	Brick work	1		0.785	1.160	1.160	1.120	1.183		
	soling							0.000		



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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							
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.661			
		Net Qty = A - B								2.662	5.303
	PL 03										
	CH15.80	562.576	561.316	561.066			1.510				
	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	1.440	4.522	8.258	12.78	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.010	0.031	0.000	0.03	
	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	0.060	0.188	0.377	0.56	
	Item No. : 11 Transportation of earth Transportation charges							1.809	3.332	5.14	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.741			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.260	1.331			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.809			
		Net Qty = A - B								5.303	8.236
	PL 04										
	CH22.30	562.556	561.216	560.966			1.590				
	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	1.440	4.522	12.780	17.301	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.090	0.283	0.031	0.314	
	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	0.060	0.188	0.565	0.754	
	Item No. : 11 Transportation of earth Transportation charges							1.893	5.140	7.033	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.993			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.340	1.415			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			



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Manhole MB Padampura Laxmiwadi - 02

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Total (B)						1.893				
		Net Qty = A - B					3.100	8.236	11.336		
	PL 05										
	CH29.10	562.476	561.006	560.756			1.720				
	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	1.440	4.522	17.301	21.823	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.220	0.691	0.314	1.005	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.060	0.188	0.754	0.942	
	Item No. : 11 Transportation of earth Transportation charges							2.030	7.033	9.064	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						5.401				
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.470	1.553			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)						2.030				
		Net Qty = A - B					3.370	11.336	14.706		
	PL 06										
	CH36.80	562.496	560.956	560.706			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	1.440	4.522	21.823	26.345	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.290	0.911	1.005	1.915	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.060	0.188	0.942	1.130	
	Item No. : 11 Transportation of earth Transportation charges							2.104	9.064	11.168	
	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	14.706	18.222		



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Manhole MB Padampura Laxmiwadi - 02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upt Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
PL 07											
CH43.40		562.466	560.916	560.666			1.800				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1									
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	1.440	4.522	26.345	30.866	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.				0.785	4.000	0.300	0.942	1.915	2.857	
	(a) For Lift 0 to 1.5m	1									
	Item No. : 11 Transportation of earth Transportation charges				0.785	4.000	0.060	0.188	1.130	1.319	
	Item No. 30 :- Refilling the excavated trenches ...							2.115	11.168	13.283	
	Total Excavation(A)=										
	Deduction							5.652			
	Brick work	1									
	soling			0.785	1.160	1.160	1.550	1.637			
	PCC	1						0.000			
	Murrum bedding			0.785	1.560	1.560	0.250	0.478			
	Total (B)							0.000			
								2.115			
								3.537	18.222	21.759	
PL 08											
CH50.70		562.356	560.846	560.596			1.760				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1									
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	1.440	4.522	30.866	35.388	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.				0.785	4.000	0.260	0.816	2.857	3.674	
	(a) For Lift 0 to 1.5m	1									
	Item No. : 11 Transportation of earth Transportation charges				0.785	4.000	0.060	0.188	1.319	1.507	
	Item No. 30 :- Refilling the excavated trenches ...							2.073	13.283	15.356	
	Total Excavation(A)=										
	Deduction							5.526			
	Brick work	1									
	soling			0.785	1.160	1.160	1.510	1.595			
	PCC	1						0.000			
	Murrum bedding			0.785	1.560	1.560	0.250	0.478			
	Total (B)							0.000			
								2.073			
								3.454	21.759	25.213	
PL 09											
CH59.60		562.356	560.716	560.466			1.890				



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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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Manhole Details Padampura Laxmiwadi - 02

9th R A BILL MEASUREMENTS CHEMBER DETAILS PADAMPURA LAXMIWADI-02

SR NO.	CHEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr For per 30 cm	Total Rebate Qty for 30 cm
		No				
		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	PADAMPURA LAXMIWADI-02					
1	PL 01	562.776	561.646	1.130	1.500	-0.370
2	PL 02	562.596	561.476	1.120	1.500	-0.380
3	PL 03	562.576	561.316	1.260	1.500	-0.240
4	PL 04	562.556	561.216	1.340	1.500	-0.160
5	PL 05	562.476	561.006	1.470	1.500	-0.030
6	PL 06	562.496	560.956	1.540	1.500	0.040
7	PL 07	562.466	560.916	1.550	1.500	0.050
8	PL 08	562.356	560.846	1.510	1.500	0.010
9	PL 09	562.356	560.716	1.640	1.500	0.140
10	PL 10	562.261	560.651	1.610	1.500	0.110
11	PL 11	561.986	560.431	1.555	1.500	0.055
	TOTAL					-0.775
						-2.583



784 JO

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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Qty. Abstract Padampura Laxmiwadi - 02

Page 1 of 1

QUANTITY ABSTRACT												
PADAMPURA LAXMIWADI-02												
SR NO	Discription	MB/PG	ITEM 1		ITEM 2	ITEM 7	ITEM 11	ITEM 30	Extra Item 2		Extra Item No. 9.1	Extra Item No. 9.2
			0-1.5	1.5-3.0					0-1.5	0-1.5 m		
1	For Pipe		92.783	5.547	3.978	5.435	9.372	92.935			73.8	73.80
2	For Manhole		48.953	6.986	2.072		21.864	36.148	11.000	-2.583		
	Total		141.735	12.533	6.050	5.435	31.236	129.083	11.000	-2.583	73.800	73.800

CONTRACTOR

Khilati Infra Pvt. Ltd.
 Mumbai

PMC

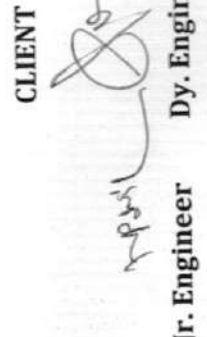
Fortress Infrastructure Advisory Services
 Division of Fortress Financial Services Ltd. * CoSIST

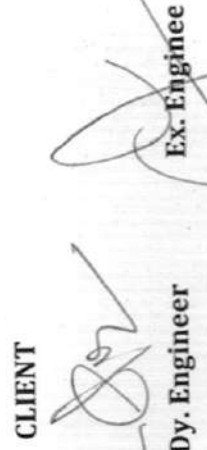
Project Engineer

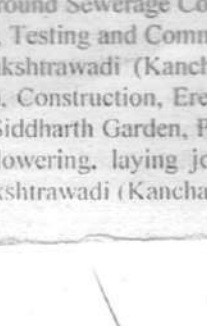
Project Engineer

Project Manager

Project Manager

Jr. Engineer

Jr. Engineer

Dy. Engineer

Dy. Engineer

CLIENT

Ex. Engineer

9th R A BILL MEASUREMENTS SW PIPE SAMTA NAGAR-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	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										
	SN Old to SN 01										
	CH0.00	579.307	578.377	578.277			1.030	0.985			
	CH19.50	580.627	579.787	579.687			0.940				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.500	0.790	0.735	10.742	0.000	10.742	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.500	0.790	0.150	2.192	0.000	2.192	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			18.500	0.790	0.100	1.462	0.000	1.462	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			18.800	0.790	0.100	1.485	0.000	1.485	
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.561	0.000	2.561	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			19.300			19.300	0.000	19.300	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							14.396			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	18.800	0.270	0.270	1.08			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							1.49			
								2.56			
								11.83	0.00	11.83	
	Net Qty = A - B										
	SN 01 to SN 02										
	CH19.50	580.627	579.787	579.687			0.940				



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Samta Nagar - 02Chember

9th R A BILL MEASUREMENTS OF CHEMBERS SAMTA NAGAR-02

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EXL							
	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										
	SN 01										
	CH19.50	580.627	579.787	579.537			1.090				
	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	0.840	2.638	0.000	2.638	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.000	0.471	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.000	0.314	
	Item No. : 11 Transportation of earth Transportation charges							1.365	0.000	1.365	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.423			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.840	0.887			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.365			
	Net Qty = A - B							2.058	0.000	2.058	
	SN 02										
	CH44.50	581.287	580.627	580.377			0.910				
	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	0.660	2.072	2.638	4.710	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.471	0.942	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.314	0.628	



mpkjo

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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Samta Nagar - 02Chember

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						1.175		1.365	2.540	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						2.857				
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.697				
	soling						0.000				
	PCC	1		0.785	1.560	1.560	0.478				
	Murum bedding						0.000				
	Total (B)						1.175				
							Net Qty = A - B		2.058	3.740	



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Name of work:- Development of Underground Sewerage Collection system for Zone 1 to VI
 Zone Salim - 4th construction, finishing, Testing and Commissioning of Sewage Treatment
 unit based on modern technology at Nakhtrawadi (Kanchanawadi), Banerwadi, Siddharth
 Garden, Zaita, Padegani, CIDCO Airport Construction, Erection, Testing and Commission
 Sewage pumping station at Banerwadi, Siddharth Garden, Padegani, Ghiswadi, Zaita, Ward
 No 01 and CIDCO Airport. Providing, lowering, laying jointing and testing rising main
 of 150 pipe line from Gaiswadi STP to Nakhtrawadi (Kanchanawadi) STP and Ward No 01 to
 IP for Aurangabad City.

1

Samta Nagar - 02CHEMBER

9th R A BILL MEASUREMENTS CHEMBER DETAILS SAMTA NAGAR-02

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						
1	SN 01	580.627	579.787	0.840	1.500	-0.660
2	SN 02	581.287	580.627	0.660	1.500	-0.840
	TOTAL					-1.500
						-5.000



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Samta Nagar - 02Quantity Abstract

QUANTITY ABSTRACT												
SAMTA NAGAR-02												
SR NO	Discription	MB/PG	ITEM 1	ITEM 2	ITEM 4	ITEM 7	ITEM 11	ITEM 30	Extra Item 2	Extra Item 2.a	Extra Item No. 9.1	Extra Item No. 9.2
			0-1.5	0-1.5	0-1.5				0-1.5 m	Rebate	d	d
1	For Pipe		21.644	4.918	3.279	3.350	5.776	24.064			43.4	43.40
2	For Manhole		4.710	0.942	0.628		2.540	3.740	2.000	-5.000		
	Total		26.354	5.860	3.907	3.350	8.316	27.805	2.000	-5.000	43.400	43.400

 **Authorized Signatory**

 **Project Engineer**

 **Project Manager**

 **Jr. Engineer**

 **Dy. Engineer**

 **Ex. Engineer**

CLIENT