

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 Nakshirwadi (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. 08 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main

Uttam Nagar-02 Chamber Exca(II)

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

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										
	UN 01	UTTAM NAGAR (Part-II)									
	CH0.00	581.980	580.810	580.560			1.420				
	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	73.772	77.917	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.000	0.314	
	Item No. : 11 Transportation of earth Transportation charges							1.713	32.321	34.035	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.459			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.170	1.236			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.713			
								Net Qty = A - B	2.745	45.807	
	UN 02										
	CH6.20	582.380	581.365	581.115			1.265				
	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	1.165	3.658	77.917	81.575	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314	0.314	0.628	
	Item No. : 11 Transportation of earth Transportation charges							1.550	34.035	35.584	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.972			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.015	1.072			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.550			
								Net Qty = A - B	2.422	48.553	
	UN 03										
	CH14.45	582.485	581.460	581.210			1.275			50.975	



J

2

Uttam Nagar-02 Chamber Exca(II)

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.175	3.689		81.575	85.265
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		0.628	0.942
	Item No. : 11 Transportation of earth Transportation charges							1.560		35.584	37.145
	Item No. 30 :- Refilling the excavated trenches --										
	Total Excavation(A)=							4.003			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.025	1.083			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.560			
								2.443		50.975	53.418
	UN 04										
	CH24.25	582.400	581.510	581.260			1.140				
	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	1.040	3.266		85.265	88.530
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		0.942	1.256
	Item No. : 11 Transportation of earth Transportation charges							1.418		37.145	38.562
	Item No. 30 :- Refilling the excavated trenches --										
	Total Excavation(A)=							3.580			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.890	0.940			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.418			
								2.162		53.418	55.580
	UN 05										
	CH30.45	582.160	581.630	581.360			0.800				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.700	2.198		88.530	90.728
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000		4.356	4.356
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.100	0.314		1.256	1.570



J

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.

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

1

Uttam Nagar-02 CHEMBER

9th RA BILL MEASURMENTS CHEMBER DETAILS UTTAM NAGAR-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	UM1	584.600	583.600	1.000	1.500	-0.50
2	UM2	585.750	584.390	1.360	1.500	-0.14
3	UM3	586.110	584.635	1.475	1.500	-0.02
4	UM4	586.570	584.910	1.660	1.500	0.16
5	UM5	586.890	585.290	1.600	1.500	0.10
6	UM7	587.020	585.830	1.190	1.500	-0.31
7	UM8	587.280	586.160	1.120	1.500	-0.38
8	UM10	587.530	586.430	1.100	1.500	-0.40
					-1.49	-4.98
B	Extra Item No.03: Providing and constructing on sewer.BBM manhole 0.9 Mx0.6m Dia up to a depth of 1.5 M etc., complete					
1	UM1.1	585.090	584.110	1.080	1.500	-0.42
2	UM6	586.830	585.310	1.520	1.500	0.02
					-0.40	-1.33
B	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	UTTAM NAGAR-Part II					
1	UN 01	581.980	580.810	1.170	1.500	-0.330
2	UN 02	582.380	581.365	1.015	1.500	-0.485
3	UN 03	582.485	581.460	1.025	1.500	-0.475
4	UN 04	582.400	581.510	0.890	1.500	-0.610
5	UN 05	582.160	581.610	0.550	1.500	-0.950
	TOTAL				-2.850	-9.500



J

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 400MM pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Uttam Nagar-02 BBM

9th R A BILL MEASUREMENTS OF BBM TRENCH UTTAM NAGAR-02

Date	Particulars of work	DETAILS				Content of arrears	Last measurement		Total Upto Date Quantity
		No	L	B	D		Page	Quantity	
Quantity for catchpit chamber									
A	0.6mx0.45m size MH, 0.23m thickness -09Nos.								
Average depth= $((0.9+0.95+0.95+1.06+1+1.05+1+1.07+1.08+1.05)-(0.15 \times 10))/10=0.861$									
Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.									
	(a) Long Wall	18	1.060	0.230	0.861	3.778		0.000	3.778
	(b) Short Wall	18	0.450	0.230	0.861	1.604		0.000	1.604
						5.382		0.000	5.382
Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.									
	(a) Long Wall	18	0.600		0.861	9.299		0.000	9.299
	(b) Short Wall	18	0.450		0.861	6.974		0.000	6.974
						16.273		0.000	16.273
Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.									
	(a) Long Wall	18	1.060		0.861	16.428		0.000	16.428
	(b) Short Wall	18	0.910		0.861	14.103		0.000	14.103
						30.531		0.000	30.531
Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.									
	(a) Long Wall Internal	18	0.600	0.000	0.861	9.299		0.000	9.299
	(b) Short Wall Internal	18	0.450	0.000	0.861	6.974		0.000	6.974
	(c) Long Wall External	18	1.060	0.000	0.861	16.428		0.000	16.428
	(d) Short Wall External	18	0.910	0.000	0.861	14.103		0.000	14.103
						46.804		0.000	46.804
Extra Item :5(b) - Providing & Casting M15 Grade PCC for manhole etc complete.									
	PCC	9	1.260	1.160	0.150	1.973		0.000	1.973
B	0.45mx0.45m size MH, 0.23 m thickness -2Nos. Average Depth= $((1.09+0.795)-(2 \times 0.15))/2=0.792$								
Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.									
	(a) Long Wall	4	0.910	0.230	0.792	0.663		0.000	0.663
	(b) Short Wall	4	0.450	0.230	0.792	0.328		0.000	0.328
						0.991		5.382	6.373
Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.									
	(a) Long Wall	4	0.450		0.792	1.426		0.000	1.426



Handwritten signature or mark.


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 1000mm dia pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.


Name of Agency
Authority No.


Uttam Nagar-02 Quantity Abstract

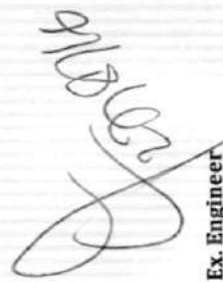
SR NO	Description	MB/PG	ITEM 1		ITEM 2	ITEM 7	ITEM 11	ITEM 30	Extra Item 2		Extra Item 3	Extra Item 4				Extra Item a		Extra Item No.9.1	Extra Item No.9.2
			0-1.5	1.5-3.0					0-1.5	Rebate		a	b	c	d	a	b		
			71.719	2.204	1.774	0-1.5 m RR (3450)	0-1.5 m RR (3450)	0-1.5 m RR (3450)	RR (3450)	Rebate	6.373	19.124	36.297	55.421	2.34	92.175	250mm	92.175	
1	For Pipe		90.728	4.356	1.570	6.365	10.568	65.128			2.00								
2	For Manhole		162.447	6.560	3.344	6.365	39.621	57.034			2.00								
	Total						50.189	122.162											

QUANTITY ABSTRACT
UTTAM NAGAR-02



 PROJECT MANAGER


 PROJECT ENGINEER


 CLIENT


 EX. ENGINEER

Page No.	Last Measurement		Total up to Date
	Quantity		
8	9	10	

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

Book No :-

Page No :- 091

Page 1 of 10

Abh

Shivshankar Colony-02-Meas. SW

9th R A BILL MEASUREMENTS SW PIPE SHIVSHANKAR COLONY-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- $0.250+0.02+0.02+0.5=0.790m$										
	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										
	SCL 00 (Old) to SCL 01										
	CH0.00	582.655	581.360	581.260			1.395	1.385			
	CH12.00	582.755	581.480	581.380			1.375				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.000	0.790	1.385	12.036	0.000	12.036	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.300	0.790	0.100	0.893	0.000	0.893	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.539	0.000	1.539	
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			11.550			11.550	0.000	11.550	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							12.036			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.795	11.300	0.270	0.270	0.65			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.89			
								1.54			
								Net Qty = A - B			
	SCL 01 to SCL 02							10.50	0.00	10.50	
	CH12.00	582.755	581.480	581.380			1.375	1.303			
	CH25.75	583.425	582.295	582.195			1.230				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.750	0.790	1.253	11.626	12.036	23.662	



Handwritten signature.

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

Book No. :-
Page No. :-

092

Page 2 of 20

Shivshankar Colony-02-Meas. SW

Item	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			11.750	0.790	0.050	0.464	0.000	0.464	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			12.350	0.790	0.100	0.976	0.893	1.868	
	Item No. : 11 Transportation of earth Transportation charges							1.682	1.539	3.222	
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			12.850			12.850	11.550	24.400	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							12.090			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	12.350	0.270	0.270	0.71			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.98			
								1.68			
								10.41	10.50	20.90	
	Net Qty = A - B										
	SCL 02 to SCL 03										
	CH25.75	583.425	582.295	582.195			1.230	1.110			
	CH37.10	583.505	582.615	582.515			0.990				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete. (a) For Lift 0 to 1.5m	1			9.350	0.790	1.060	7.830	23.662	31.492	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete. (a) For Lift 0 to 1.5m	1			9.350	0.790	0.050	0.369	0.464	0.833	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.950	0.790	0.100	0.786	1.868	2.654	
	Item No. : 11 Transportation of earth Transportation charges							1.355	3.222	4.577	
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			10.450			10.450	24.400	34.850	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							8.199			
	Deduction of 250mm dia pipe										



Handwritten signature or mark.

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	pipe area	1.00		0.785	9.950	0.270	0.270	0.57			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.79			
								1.36			
		Net Qty = A - B							6.84	20.90	27.75
	SCL 03 to SCL 04										
	CH37.10	583.505	582.615	582.515			0.990	1.030			
	CH40.10	583.665	582.695	582.595			1.070				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.000	0.790	0.980	0.774	31.492	32.266	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.000	0.790	0.050	0.040	0.833	0.873	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.600	0.790	0.100	0.126	2.654	2.781	
	Item No. : 11 Transportation of earth Transportation charges							0.218	4.577	4.795	
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			2.100			2.100	34.850	36.950	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.814			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	1.600	0.270	0.270	0.09			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.13			
								0.22			
		Net Qty = A - B							0.60	27.75	28.34
	SCL 04 to SCL 05										
	CH40.10	583.665	582.695	582.595			1.070	1.185			
	CH55.70	584.085	582.895	582.785			1.300				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.600	0.790	1.135	12.194	32.266	44.460	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.600	0.790	0.050	0.537	0.873	1.410	



J

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. 08 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No. 08 to

Book No. :-

094

Page No. :-

Page 4 of 20

Shivshankar Colony-02-Meas. SW

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity		
		No			L	B		D	Page		Quantity	
		GL	IL	EX.L								
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			14.200	0.790	0.100	1.122		2.781	3.903	
	Item No. : 11 Transportation of earth Transportation charges							1.934		4.795	6.730	
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			14.700			14.700		36.950	51.650	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							12.732				
	Deduction of 250mm dia pipe											
	pipe area	1.00		0.785	14.200	0.270	0.270	0.81				
	soling							0.00				
	PCC							0.00				
	Murrum bedding							1.12				
								1.93				
								Net Qty = A - B		10.80	28.34	39.14
	SCL 05 to SCL 06											
	CH55.70	584.085	582.885	582.785			1.300	1.340				
	CH65.80	584.375	583.095	582.995			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			8.100	0.790	1.290	8.255		44.460	52.715	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			8.100	0.790	0.050	0.320		1.410	1.730	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			8.700	0.790	0.100	0.687		3.903	4.590	
	Item No. : 11 Transportation of earth Transportation charges							1.185		6.730	7.915	
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			9.200			9.200		51.650	60.850	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							8.575				
	Deduction of 250mm dia pipe											
	pipe area	1.00		0.785	8.700	0.270	0.270	0.50				
	soling							0.00				
	PCC							0.00				
	Murrum bedding							0.69				
								1.19				
								Net Qty = A - B		7.39	39.14	46.53



Handwritten signature or mark.

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. :-

Page No. :- 095

Page 5 of 10

Shivshankar Colony-02-Meas. SW

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EX.L							
	SCL 06 to SCL 07										
	CH65.80	584.375	583.095	582.995			1.380				
	CH77.80	584.605	583.445	583.345			1.260	1.320			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.000	0.790	1.270	10.033	52.715	62.748	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.000	0.790	0.050	0.395	1.730	2.125	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.600	0.790	0.100	0.837	4.590	5.427	
	Item No. : 11 Transportation of earth Transportation charges							1.444	7.915	9.359	
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			11.100			11.100	60.850	71.950	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							10.428			
	Deduction of 250mm dia pipe										
	pipe area	1.00			0.795	10.600	0.270	0.270	0.61		
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.84			
								1.44			
								8.98	46.53	55.51	
	SCL 07 to SCL 08										
	CH77.80	584.605	583.445	583.345			1.260				
	CH89.00	584.925	583.855	583.755			1.170	1.215			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.200	0.790	0.565	4.106	62.748	66.854	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.200	0.790	0.650	4.724	2.125	6.849	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.800	0.790	0.100	0.774	5.427	6.202	
	Item No. : 11 Transportation of earth Transportation charges							1.335	9.359	10.694	



Handwritten signature or mark.

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 450 Dia pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Sarangbad City.

Book No. :-

096

Page No. :-

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

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

Page 6 of 20

Shivshankar Colony-02-Meas. SW

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EX.L							
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			10.300			10.300	71.950	82.250	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							8.831			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	9.800	0.270	0.270	0.56			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.77			
								1.34			
								Net Qty = A - B	7.50	55.51	63.01
	SCL 08 to SCL 09										
	CH89.00	584.925	583.855	583.755			1.170				
	CH102.35	585.535	584.265	584.165			1.370	1.270			
	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	0.790	0.620	5.559	66.854	72.414	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.350	0.790	0.650	5.828	6.849	12.678	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			11.950	0.790	0.100	0.944	6.202	7.146	
	Item No. : 11 Transportation of earth Transportation charges							1.628	10.694	12.322	
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			12.450			12.450	82.250	94.700	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							11.387			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	11.950	0.270	0.270	0.68			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.94			
								1.63			
								Net Qty = A - B	9.76	63.01	72.77



[Handwritten signature]

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

Book No. :-

Page No. :- 097

Page 7 of 10

Shivshankar Colony-02-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							
	SCL 09 to SCL 10										
	CH102.35	585.535	584.265	584.165			1.370	1.400			
	CH117.70	585.935	584.605	584.505			1.430				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.350	0.790	0.750	7.910	72.414	80.324	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.350	0.790	0.650	6.855	12.678	19.533	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.950	0.790	0.100	1.102	7.146	8.248	
	Item No. : 11 Transportation of earth Transportation charges							1.900	12.322	14.222	
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			14.450			14.450	94.700	109.150	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							14.765			
	Deduction of 250mm dia pipe										
	pipe area	1.00			0.765	13.950	0.270	0.270	0.80		
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.10			
								1.90			
								12.86	72.77	85.63	
	SCL 10 to SCL 11										
	CH117.70	585.935	584.605	584.505			1.430	1.470			
	CH127.70	586.215	584.885	584.785			1.510				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.300	0.790	0.820	5.182	80.324	85.506	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.600	0.790	0.650	4.108	19.533	23.641	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.600	0.790	0.100	0.679	8.248	8.927	
	Item No. : 11 Transportation of earth Transportation charges							1.172	14.222	15.394	



Handwritten signature

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main 1200 Dia pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Sarangabad City.

Book No :-

Page No :- 098

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

Contract No. AM/AN-1/D&C/UDCCMT/2014/181/D-01/07/2014

Page 6 of 20

Shivshankar Colony-02-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							
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			9.100			9.100		109.150	118.250
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							9.290			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	8.600	0.270	0.270	0.49			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							0.68			
								1.17			
	Net Qty = A - B							8.12		85.63	93.75
	SCL 11 to SCL 12										
	CH127.70	586.215	584.805	584.705			1.510				
	CH141.80	586.925	585.455	585.355			1.570	1.540			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.100	0.790	0.810	7.743		85.506	93.249
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.100	0.790	0.690	6.596		23.641	30.236
	(b) For Lift 1.5m to 3.0m	1			12.100	0.790	0.040	0.382		0.000	0.382
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			12.700	0.790	0.100	1.003		8.927	9.930
	Item No. : 11 Transportation of earth Transportation charges							1.730		15.394	17.124
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			13.200			13.200		118.250	131.450
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							14.721			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	12.700	0.270	0.270	0.73			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							1.00			
								1.73			
	Net Qty = A - B							12.99		93.75	106.74



9

Name of work:- Development of Underground Sewerage Collection system for Zone 1 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. :- 099

Page 9 of 10

Shivshankar Colony-02-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							
	SCL 12 to SCL 13										
	CH141.80	586.925	585.455	585.355			1.570	1.510			
	CH146.55	587.085	585.735	585.635			1.450				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.750	0.790	0.810	1.760		93.249	95.008
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.750	0.790	0.690	1.499		30.236	31.735
	(b) For Lift 1.5m to 3.0m	1			2.750	0.790	0.010	0.022		0.382	0.404
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.350	0.790	0.100	0.265		9.930	10.195
	Item No. : 11 Transportation of earth Transportation charges							0.456		17.124	17.580
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			3.850			3.850		131.450	135.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.280			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	3.350	0.270	0.270	0.19			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.26			
								0.46			
	Net Qty = A - B							2.82		106.74	109.57
	SCL 08 to SCL 08/1										
	CH0.00	584.925	583.855	583.755			1.170	1.160			
	CH6.00	585.025	583.975	583.875			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			4.300	0.790	1.160	3.941		95.008	98.949
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.600	0.790	0.100	0.363		10.195	10.558
	Item No. : 11 Transportation of earth Transportation charges							0.627		17.580	18.207
	Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			5.100			5.100		135.300	140.400



2

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

Book No. :-

Page No. :-

100

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

Contract No. 430/Ward B&C/UIDSSMT/2014/184 Date 01.07.2014

Page 2 of 2

Shivshankar Colony-02-Meas. SW

Item	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
Item No. 30:- Refilling the excavated trenches --											
Total Excavation=-							3.941				
Deduction of 250mm dia pipe											
pipe area	1.00		0.785	4.600	0.270	0.270	0.26				
Jointing							0.00				
JCC							0.00				
Murrum bedding							0.36				
							0.63				
							Net Qty = A - B				
							3.31	109.57	112.88		
SCL 08 to SCL 08/2											
(CH.00)	584.925	583.855	583.755			1.170	1.160				
(CH.50)	585.025	583.975	583.875			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			1.800	0.790	1.160	1.650	98.949	100.599		
(b) For Lift 1.5m to 3.0m	1			1.800	0.790	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			1.800	0.790	0.000	0.000	31.735	31.735		
(b) For Lift 1.5m to 3.0m	1			1.800	0.790	0.000	0.000	0.404	0.404		
Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			2.100	0.790	0.100	0.166	10.558	10.724		
Item No. : 11 Transportation of earth Transportation charges							0.286	18.207	18.493		
Extra Item :-Lowering & Laying of SWG pipe of 250mm Dia	1			2.600			2.600	140.400	143.000		
Item No. 30:- Refilling the excavated trenches --											
Total Excavation=-							1.650				
Deduction of 250mm dia pipe											
pipe area	1.00		0.785	2.100	0.270	0.270	0.12				
Jointing							0.00				
JCC							0.00				
Murrum bedding							0.17				
							0.29				
							Net Qty = A - B				
							1.36	112.88	114.25		



g

9th RA BILL MEASURMENTS OF CHEMBERS SHIVSHANKAR COLONY-02

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth -0.9+0.5+0.3+0.3=2m										
	Area for chamber up to 1.5m=2 X 2=4m										
	Excavation of Chamber - For 0.9 X 0.6 chamber up to 1.5 mt depth -0.9+0.5+0.3+0.3=2m										
	Width- 0.45+0.5+0.3+0.3=1.55m										
	SCL 08/1 & SCL 08/2	Avg Depth				1.150					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	2			2.000	1.550	1.150	7.130	0.000	7.130	
	Item No. : 11 Transportation of earth Transportation charges							2.857	0.000	2.857	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							7.130			
	Deduction										
	Brick work	2		0.785	1.160	1.160	0.900	1.901			
	soling							0.000			
	PCC	2		0.785	1.560	1.560	0.250	0.955			
	Murrum bedding							0.000			
	Total (B)							2.857			
		Net Qty = A - B									
	SCL 01							4.273	0.000	4.273	
	CH12.00	582.755	581.480	581.230			1.525				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710	7.130	11.840	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.025	0.078	0.000	0.078	
	Item No. : 11 Transportation of earth Transportation charges							1.824	2.857	4.681	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.788			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.275	1.347			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.824			
		Net Qty = A - B									
								2.964	4.273	7.238	



J

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

Book No. :-

102

Page No. :-

Shivshankar Colony-02-Meas.Chember

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	SCL 02									
	CH25.75	583.425	582.295	582.045			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	1.330	4.176	11.840	16.016
	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	0.050	0.157	0.000	0.157
	Item No. : 11 Transportation of earth Transportation charges							1.671	4.681	6.352
	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	7.238
	SCL 03									
	CH37.10	583.505	582.615	582.365			1.140			
	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	1.090	3.423	16.016	19.439
	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	0.050	0.157	0.157	0.314
	Item No. : 11 Transportation of earth Transportation charges							1.418	6.352	7.770
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=							3.580		
	Deduction									
	Brick work	1		0.785	1.160	1.160	0.890	0.940		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murrum bedding							0.000		
	Total (B)							1.418		
								Net Qty = A - B	2.162	9.900
	SCL 04									
	CH40.10	583.665	582.695	582.445			1.220			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.170	3.674	19.439	23.113
	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	0.050	0.157	0.314	0.471



g

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

Book No. :- 104
Page No. :-

Shivshankar Colony-02-Meas.Chamber

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Murram bedding							0.000			
	Total (B)							1.830			
		Net Qty = A - B						2.975		17.198	20.172
	SCL 07										
	CH77.80	584.605	583.445	583.195			1.410				
	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	1.360	4.270		32.062	36.332
	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	0.050	0.157		0.785	0.942
	Item No. : 11 Transportation of earth Transportation charges							1.703		12.847	14.550
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.427			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.160	1.225			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	Total (B)							1.703			
		Net Qty = A - B						2.725		20.172	22.897
	SCL 08										
	CH89.00	584.925	583.855	583.605			1.320				
	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	0.520	1.633		36.332	37.965
	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	0.800	2.512		0.942	3.454
	Item No. : 11 Transportation of earth Transportation charges							1.608		14.550	16.158
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.145			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.070	1.130			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	Total (B)							1.608			
		Net Qty = A - B						2.537		22.897	25.434
	SCL 09										
	CH102.35	585.535	584.265	584.015			1.520				
	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	0.700	2.198		37.965	40.163



g

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.800	2.512	3.454	5.966
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.020	0.063	0.000	0.063
	Item No. : 11 Transportation of earth Transportation charges						1.819	16.158	17.977	
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						4.773			
	Deduction									
	Brick work	1		0.785	1.160	1.160	1.270	1.341		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murrum bedding							0.000		
	Total (B)						1.819			
							Net Qty = A - B	2.954	25.434	28.386
	SCL 10									
	CH117.70	585.935	584.605	584.355			1.580			
	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	0.700	2.198	40.163	42.361
	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	0.800	2.512	5.966	8.478
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.380	0.251	0.063	0.314
	Item No. : 11 Transportation of earth Transportation charges						1.882	17.977	19.859	
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						4.961			
	Deduction									
	Brick work	1		0.785	1.160	1.160	1.330	1.405		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murrum bedding							0.000		
	Total (B)						1.882			
							Net Qty = A - B	3.079	28.388	31.466
	SCL 11									
	CH127.70	586.235	584.805	584.555			1.660			
	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	0.700	2.198	42.361	44.559
	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	0.800	2.512	8.478	10.990
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.160	0.502	0.314	0.816
	Item No. : 11 Transportation of earth Transportation charges						1.967	19.859	21.826	



Handwritten signature/initials.

Page 5 of 5

Shivshankar Colony-02-Meas.Chamber

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						5.212			
	Deduction									
	Brick work	1		0.785	1.160	1.160	1.410	1.489		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murram bedding							0.000		
	Total (B)						1.967			
							Net Qty = A - B	3.245	31.466	34.712
	SCL 12									
	CH141.80	586.925	585.455	585.205			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	0.700	2.198	44.559	46.757
	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	0.800	2.512	10.990	13.502
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.220	0.691	0.816	1.507
	Item No. : 11 Transportation of earth Transportation charges							2.030	21.826	23.856
	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		
	Murram bedding							0.000		
	Total (B)						2.030			
							Net Qty = A - B	3.370	34.712	38.082
	SCL 13									
	CH146.55	587.085	585.735	585.485			1.600			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc									
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.700	2.198	46.757	48.955
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.000	0.000	0.173	0.173
	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	0.800	2.512	13.502	16.014
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.100	0.314	1.507	1.821
	Item No. : 11 Transportation of earth Transportation charges							1.904	23.856	25.760
	Item No. 30 :- Refilling the excavated trenches ...									
	Total Excavation(A)=						5.024			
	Deduction									
	Brick work	1		0.785	1.160	1.160	1.350	1.426		
	soling							0.000		
	PCC	1		0.785	1.560	1.560	0.250	0.478		
	Murram bedding							0.000		
	Total (B)						1.904			
							Net Qty = A - B	3.120	38.082	41.203



9

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. :- 107

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

Contract No. AMFC/Ward D & C/UIDSSMT/2014/184 Date 01.07.2014

Page 1 of 1

Shivshankar Colony-02-BBM

9th R A BILL MEASUREMENTS OF BBM TRENCH SHIVSHANKAR COLONY-02

Date	Particulars of work	DETAILS				Content of arrears	Last measurement		Total Upto Date Quantity
		No	L	B	D		Page	Quantity	
A	Quantity for catchpit chamber								
	Extra Item No, 4								
1	0.9mx0.45m and 0.23m thickness RECT MH-2Nos.								
	Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.								
	(a) Long Wall	4	1.360	0.230	1.000	1.251		0.000	1.251
	(b) Short Wall	4	0.450	0.230	1.000	0.414		0.000	0.414
						1.665		0.000	1.665
	Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.								
	(a) Long Wall	4	0.900		1.000	3.600		0.000	3.600
	(b) Short Wall	4	0.450		1.000	1.800		0.000	1.800
						5.400		0.000	5.400
	Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.								
	(a) Long Wall	4	1.360		1.000	5.440		0.000	5.440
	(b) Short Wall	4	0.910		1.000	3.640		0.000	3.640
						9.080		0.000	9.080
	Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.								
	(a) Long Wall Internal	4	0.900	0.000	1.000	3.600		0.000	3.600
	(b) Short Wall Internal	4	0.450	0.000	1.000	1.800		0.000	1.800
	(c) Long Wall External	4	1.360	0.000	1.000	5.440		0.000	5.440
	(d) Short Wall External	4	0.910	0.000	1.000	3.640		0.000	3.640
						14.480		0.000	14.480
	Extra Item :5(b) - Providing & Casting M15 Grade PCC for manhole etc complete.								
	PCC	2	1.560	1.110	0.150	0.519		0.000	0.519
2	Manhole Cover								
	Extra item e2) providing & Fixing SFRC manhole cover of Size 0.9mx0.45m					2.000		0.000	2.000



9

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. : 109
Page No. :-

1 Abh

Saujanya Nagar (New Balaji Nagar) Meas. Branch

9th R A BILL MEASUREMENTS DWC PIPE SAUJANYA NAGAR (NEW BALAJI 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							
	SW PIPE - 250 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.02+0.02+0.5=0.790m										
	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 01 to SN 01/1										
	CH0.00	583.943	582.213	582.113			1.880				
	CH14.50	584.073	582.743	582.643			1.430	1.655			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.5	1.190	1.500	22.313	0.000	22.313	
	(b) For Lift 1.5m to 3.0m	1			12.5	0.790	0.155	1.531	0.000	1.531	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.1	0.790	0.100	1.035	0.000	1.035	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.785	0.000	1.785	
	Extra Item No. 9.2 :- (d) Lowering & Laying of Stoneware pipe of 250mm Dia	1			13.60			13.600	0.000	13.600	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation:-							23.843			
	Deduction of 250mm dia pipe										
	pipe area	1.000			0.785	13.100	0.270	0.270	0.750		
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.035			
								1.785			
								22.659	0.000	22.059	
	SN 1/1 to SN 1/2										
	CH14.50	584.073	582.743	582.643			1.430				
	CH26.20	583.943	582.743	582.643			1.320	1.375			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.7	0.790	1.375	10.537	22.313	32.849	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.3	0.790	0.100	0.814	1.035	1.849	



[Handwritten signature]

Saujanya Nagar (New Balaji Nagar) Meas. Branch

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 & unloading							1.403		1.785	3.188
	Extra Item No. 9.2 :- (d)Lowering & Laying of Stoneware pipe of 250mm Dia	1			10.80			10.800		13.600	24.400
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							10.537			
	Deduction of 250mm dia pipe										
	pipe area	1.000		0.785	10.300	0.270	0.270	0.589			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.814			
								1.403			
		Net Qty = A - B						9.133		22.059	31.192
	SN 1/2 to SN 1/3										
	CH26.20	583.983	582.763	582.663			1.320				
	CH34.20	583.963	582.873	582.773			1.190	1.255			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.0	0.790	1.255	5.949		32.849	38.798
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.6	0.790	0.100	0.521		1.849	2.370
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.899		3.188	4.087
	Extra Item No. 9.2 :- (d)Lowering & Laying of Stoneware pipe of 250mm Dia	1			7.10			7.100		24.400	31.500
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.949			
	Deduction of 250mm dia pipe										
	pipe area	1.000		0.785	6.600	0.270	0.270	0.378			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.521			
								0.899			
		Net Qty = A - B						5.050		31.192	36.242
	SN 1/3 to SN 1/4										
	CH34.20	583.963	582.873	582.773			1.190				
	CH44.50	584.093	582.943	582.843			1.250	1.220			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.3	0.790	1.220	8.000		38.798	46.797



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. :- 111

P. Ltd. & CECDE (Joint Venture)

3

Saujanya Nagar (New Balaji Nagar) Meas. Branch

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. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.9	0.790	0.100	0.703		2.370	3.073
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.212		4.087	5.299
	Extra Item No. 9.2 :- (d)Lowering & Laying of Stoneware pipe of 250mm Dia	1			9.40			9.400		31.500	40.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							8.000			
	Deduction of 250mm dia pipe										
	pipe area	1.000		0.785	8.900	0.270	0.270	0.509			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.703			
								1.212			
								Net Qty = A - B		36.242	43.029
	SN 1/4 to SN 1/5										
	CH44.50	584.093	582.943	582.843			1.250				
	CH52.95	584.033	582.963	582.863			1.170	1.210			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.5	0.790	1.210	6.166		46.797	52.963
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.1	0.790	0.100	0.557		3.073	3.630
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.960		5.299	6.260
	Extra Item No. 9.2 :- (d)Lowering & Laying of Stoneware pipe of 250mm Dia	1			7.55			7.550		40.900	48.450
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.166			
	Deduction of 250mm dia pipe										
	pipe area	1.000		0.785	7.850	0.270	0.270	0.403			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.557			
								0.960			
								Net Qty = A - B		43.029	48.234
	SW PIPE - 150 mm Dia (Connection)										
	Width of Trench - For Lift 0 to 1.50m- 0.150+0.02+0.02+0.5=0.690m										



[Handwritten signature]

Saujanya Nagar (New Balaji Nagar) Meas. Branch

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	For Lift 1.5 to 3.00m- 0.150+0.02+0.02+0.5+0.4= 1.090m										
	For Lift 3.0 to 4.5m- 0.150+0.5+0.02+0.02+0.4+0.4= 1.490m										
	SNC 1 to SNC 1/1 A										
	CH0.00	583.993	582.213	582.113							
	CH4.40	583.993	582.993	582.893			1.880				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.						1.100	1.490			
	(a) For Lift 0 to 1.5m	1			2.4	0.690	1.490	2.467	52.963	55.430	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.0	0.690	0.100	0.207	3.630	3.837	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.275	6.260	6.535	
	Extra Item No. 9.2 :- (b)Lowering & Laying of Stoneware pipe of 150mm Dia	1			3.50			3.500	0.000	3.500	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.467			
	Deduction of 150mm dia pipe										
	pipe area	1.000		0.785	3.000	0.170	0.170	0.068			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.207			
								0.275			
								Net Qty = A - B			
	SNC 1/1 A to SNC 1/1A/1							2.192	48.234	50.426	
	CH4.40	583.993	583.393	583.293			0.700				
	CH13.40	584.093	583.493	583.393			0.700	0.700			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.0	0.690	0.700	3.381	55.430	58.811	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.6	0.690	0.100	0.524	3.837	4.361	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.697	6.535	7.231	
	Extra Item No. 9.2 :- (b)Lowering & Laying of Stoneware pipe of 150mm Dia	1			8.10			8.100	3.500	11.600	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.381			



[Handwritten signature]

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

Book No. :-

Page No. 113

5

Saujanya Nagar (New Balaji Nagar) Meas. Branch

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Deduction of 150mm dia pipe										
	pipe area	1.000		0.785	7.600	0.170	0.170	0.172			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.524			
								0.697			
								Net Qty = A - B	2.684	50.426	53.111
	SNC 1/1 to SNC 1/1/1										
	CH0.00	584.073	583.473	583.373			0.700				
	CH5.45	584.173	583.573	583.473			0.700	0.700			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			3.5	0.690	0.700	1.666		58.811	60.478
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.1	0.690	0.100	0.279		4.361	4.641
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.371		7.231	7.603
	Extra Item No. 9.2 :- (b)Lowering & Laying of Stoneware pipe of 150mm Dia	1			4.55			4.550		11.600	16.150
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.666			
	Deduction of 150mm dia pipe										
	pipe area	1.000		0.785	4.050	0.170	0.170	0.092			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.279			
								0.371			
								Net Qty = A - B	1.295	53.111	54.406
	SNC 1/1 to SNC 1/1/2										
	CH0.00	584.073	583.473	583.373			0.700				
	CH4.75	584.173	583.573	583.473			0.700	0.700			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			2.8	0.690	0.700	1.328		60.478	61.806
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.4	0.690	0.100	0.231		4.641	4.872
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.307		7.603	7.910
	Extra Item No. 9.2 :- (b)Lowering & Laying of Stoneware pipe of 150mm Dia	1			3.85			3.850		16.150	20.000



[Handwritten signature]

Name of work:- Development of Underground Sewerage Collection system for Zone 1 to 93 and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewerage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commissioning of Sewerage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main sewerage pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to ...

Book No. :-
Page No. :-

114

Saujanya Nagar (New Balaji Nagar) Meas. Branch

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						1.328				
	Deduction of 150mm dia pipe										
	pipe area	1.000		0.785	3.350	0.170	0.170	0.076			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.231			
								0.307			
								1.021	54.406	55.427	
	SNC 1/2 to SNC 1/2/1										
	CH0.00	583.983	583.383	583.283			0.700	0.700			
	CH1.65	584.083	583.483	583.383			0.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.7	0.690	0.700	0.314	61.806	62.120	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.0	0.690	0.100	0.066	4.872	4.938	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.087	7.910	7.997	
	Extra Item No. 9.2 :- (b)Lowering & Laying of Stoneware pipe of 150mm Dia	1			1.2			1.200	20.000	21.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.314			
	Deduction of 150mm dia pipe										
	pipe area	1.000		0.785	0.950	0.170	0.170	0.022			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.066			
								0.087			
								0.227	55.427	55.653	
	SNC 1/3 to SNC 1/3/1										
	CH0.00	583.963	583.363	583.263			0.700	0.700			
	CH1.75	584.063	583.463	583.363			0.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.8	0.690	0.700	0.362	62.120	62.482	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.1	0.690	0.100	0.072	4.938	5.010	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.096	7.997	8.093	



[Handwritten signature]

7

Saujanya Nagar (New Balaji Nagar) Meas. Branch

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Extra Item No. 9.2 :- (b) Lowering & Laying of Stoneware pipe of 150mm Dia	1			1.3			1.300		21.200	22.500
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.362			
	Deduction of 150mm dia pipe										
	pipe area	1.000		0.785	1.050	0.170	0.170	0.024			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.072			
								0.096			
								Net Qty = A - B		55.653	55.919
	SNC 1/4 to SNC 1/4/1										
	CH0.00	584.093	583.493	583.393			0.700	0.700			
	CH1.85	584.193	583.593	583.493			0.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.9	0.690	0.700	0.411		62.482	62.893
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.2	0.690	0.100	0.079		5.010	5.089
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.105		8.093	8.199
	Extra Item No. 9.2 :- (b) Lowering & Laying of Stoneware pipe of 150mm Dia	1			1.4			1.400		22.500	23.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.411			
	Deduction of 150mm dia pipe										
	pipe area	1.000		0.785	1.150	0.170	0.170	0.026			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.079			
								0.105			
								Net Qty = A - B		55.919	56.225
	SNC 1/5 to SNC 1/5/1										
	CH0.00	584.333	583.433	583.333			0.700	0.700			
	CH1.45	584.133	583.533	583.433			0.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.5	0.690	0.700	0.217		62.893	63.110
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.8	0.690	0.100	0.052		5.089	5.141



[Handwritten signature]

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commissioning of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No. 11 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main

Book No. :-

Page No. :-

116

Saujanya Nagar (New Balaji Nagar) Meas. Branch

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.069	8.199	8.268	
	Extra Item No. 9.2 :- (b) Lowering & Laying of Stoneware pipe of 150mm Dia	1			1.0			1.000	23.900	24.900	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.217			
	Deduction of 150mm dia pipe										
	pipe area	1.000		0.785	0.750	0.170	0.170	0.017			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.052			
								0.069			
								0.149	56.225	56.373	
	SW PIPE - 200 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- $0.200+0.02+0.02+0.5=0.740m$										
	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- $0.200+0.5+0.02+0.02+0.4+0.4=1.540m$										
	SN 2/8 to SN 2/8/1										
	CH0.00	585.373	584.623	584.523			0.850				
	CH6.00	585.443	584.743	584.643			0.800	0.825			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.0	0.740	0.625	1.850	63.110	64.960	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.0	0.740	0.200	0.592	0.000	0.592	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.6	0.740	0.100	0.340	5.141	5.482	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.515	8.268	8.783	
	Extra Item No. 9.2 :- (c) Lowering & Laying of Stoneware pipe of 200mm Dia	1			5.1			5.100	0.000	5.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.442			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	4.600	0.220	0.220	0.175			



[Handwritten signature]

9

Saujanya Nagar (New Balaji Nagar) Meas. Branch

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.340			
								0.515			
		Net Qty = A - B						1.927	56.373	58.300	
	SN 2/8/1 to SN 2/8/2										
	CH6.00	585.443	584.743	584.643			0.800	0.765			
	CH17.60	585.863	585.233	585.133			0.730				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			9.6	0.740	0.565	4.014	64.960	68.974	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			9.6	0.740	0.200	1.421	0.592	2.013	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.2	0.740	0.100	0.755	5.482	6.236	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.142	8.783	9.925	
	Extra Item No. 9.2 :- (c)Lowering & Laying of Stoneware pipe of 200mm Dia	1			10.7			10.700	5.100	15.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.435			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	10.200	0.220	0.220	0.388			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.755			
								1.142			
		Net Qty = A - B						4.292	58.300	62.592	
	SN 2/8/2 to SN 2/8/3										
	CH17.60	585.863	585.233	585.133			0.730	0.735			
	CH24.40	586.093	585.453	585.353			0.740				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			4.8	0.740	0.535	1.900	68.974	70.874	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			4.8	0.740	0.200	0.710	2.013	2.723	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.4	0.740	0.100	0.400	6.236	6.636	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.605	9.925	10.530	



[Handwritten signature]

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

Book No. :-
Page No. :- 118

Saujanya Nagar (New Balaji Nagar) Meas. Branch

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Extra Item No. 9.2 :- (c) Lowering & Laying of Stoneware pipe of 200mm Dia	1			5.9			5.900		15.800	21.700
	Item No. 30 :- Refilling the excavated trenches ...							2.611			
	Total Excavation=										
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	5.400	0.220	0.220	0.205			
	soling							0.000			
	PCC							0.400			
	Murum bedding							0.605			
	Net Qty = A - B							2.006		62.592	64.598
	SN 2/2/1 to SN 2/2/1/1										
	CH0.00	585.383	584.203	584.103			1.280	1.145			
	CH9.20	585.573	584.663	584.563			1.010				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.2	0.740	1.145	6.101		70.874	76.975
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.8	0.740	0.100	0.577		6.636	7.213
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.874		10.530	11.403
	Extra Item No. 9.2 :- (c) Lowering & Laying of Stoneware pipe of 200mm Dia	1			8.3			8.300		21.700	30.000
	Item No. 30 :- Refilling the excavated trenches ...							6.101			
	Total Excavation=										
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	7.800	0.220	0.220	0.296			
	soling							0.000			
	PCC							0.577			
	Murum bedding							0.874			
	Net Qty = A - B							5.227		64.598	69.825
	SN 2/2/1/1 to SN 2/2/1/2										
	CH9.20	585.573	584.663	584.563			1.010	0.925			
	CH22.00	585.553	584.813	584.713			0.840				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			10.8	0.740	0.925	7.393		76.975	84.367
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.4	0.740	0.100	0.844		7.213	8.057



Handwritten signature or initials.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.277		11.403	12.680
	Extra Item No. 9.2 :- (c) Lowering & Laying of Stoneware pipe of 200mm Dia	1			11.9			11.900		30.000	41.900
	Item No. 30 :- Refilling the excavated trenches ...							7.393			
	Total Excavation=										
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	11.400	0.220	0.220	0.433			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.844			
								1.277			
								6.116		69.825	75.941
	Net Qty = A - B										
	SW PIPE - 150 mm Dia (Connection)										
	Width of Trench - For Lift 0 to 1.50m- $0.150+0.02+0.02+0.5=0.690m$										
	For Lift 1.5 to 3.00m- $0.150+0.02+0.02+0.5+0.4=$ 1.090m										
	For Lift 3.0 to 4.5m- $0.150+0.5+0.02+0.02+0.4+0.4=$ 1.490m										
	SNC 2/8 to SNC 2/8/1 A										
	CH0.00	585.373	584.773	584.673				0.700		0.700	
	CH5.70	585.473	584.873	584.773				0.700			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.7	0.690	0.700	1.787		84.367	86.154
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.3	0.690	0.100	0.297		8.057	8.353
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.394		12.680	13.074
	Extra Item No. 9.2 :- (b) Lowering & Laying of Stoneware pipe of 150mm Dia	1			4.8			4.800		0.000	4.800
	Item No. 30 :- Refilling the excavated trenches ...							1.787			
	Total Excavation=										
	Deduction of 150mm dia pipe										
	pipe area	1.000		0.785	4.300	0.170	0.170	0.098			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.297			
								0.394			



Handwritten signature or initials.

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. 30 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main

Saujanya Nagar (New Balaji Nagar) Meas. Branch

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
		Net Qty = A - B					1.393		75.941	77.334	
	SNC 2/8/1 to SNC 2/8/1/1										
	CH0.00	585.443	584.843	584.743			0.700				
	CH5.00	585.543	584.943	584.843			0.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.0	0.690	0.700	1.932	86.154	88.086	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.6	0.690	0.100	0.317	8.353	8.671	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.422	13.074	13.496	
	Extra Item No. 9.2 :- (b)Lowering & Laying of Stoneware pipe of 150mm Dia	1			5.1			5.100	4.800	9.900	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.932			
	Deduction of 150mm dia pipe										
	pipe area	1.000		0.785	4.600	0.170	0.170	0.104			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.317			
								0.422			
		Net Qty = A - B					1.510		77.334	78.844	
	SNC 2/8/1 to SNC 2/8/1/2										
	CH0.00	585.443	584.843	584.743			0.700				
	CH2.80	585.543	584.943	584.843			0.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.8	0.690	0.700	0.386	88.086	88.473	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.4	0.690	0.100	0.097	8.671	8.767	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.128	13.496	13.624	
	Extra Item No. 9.2 :- (b)Lowering & Laying of Stoneware pipe of 150mm Dia	1			1.9			1.900	9.900	11.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.386			
	Deduction of 150mm dia pipe										
	pipe area	1.000		0.785	1.400	0.170	0.170	0.032			
	soiling							0.000			
	PCC							0.000			



[Handwritten signature]

13

Saujanya Nagar (New Balaji Nagar) Meas. Branch

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Murum bedding						0.097				
							0.128				
		Net Qty = A - B					0.258		78.844	79.102	
	SNC 2/8/3 to SNC 2/8/3/1										
	CH0.00	586.093	585.493	585.393			0.700				
	CH2.00	586.193	585.593	585.493			0.700				
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.6	0.690	0.100	0.041	8.767	8.809	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.055	13.624	13.679	
	Extra Item No. 9.2 :- (b)Lowering & Laying of Stoneware pipe of 150mm Dia	1			1.1			1.100	11.800	12.900	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						0.000				
	Deduction of 150mm dia pipe pipe area	1.000		0.785	0.600	0.170	0.170	0.014			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.041			
								0.055			
		Net Qty = A - B					-0.055		79.102	79.047	
	SNC 2/8/3 to SNC 2/8/3/2										
	CH0.00	586.093	585.493	585.393			0.700				
	CH2.50	586.193	585.593	585.493			0.700	0.700			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.5	0.690	0.700	0.242	88.473	88.714	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.1	0.690	0.100	0.076	8.809	8.885	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.101	13.679	13.780	
	Extra Item No. 9.2 :- (b)Lowering & Laying of Stoneware pipe of 150mm Dia	1			1.6			1.600	12.900	14.500	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						0.242				
	Deduction of 150mm dia pipe pipe area	1.000		0.785	1.100	0.170	0.170	0.025			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.076			
								0.101			
		Net Qty = A - B					0.141		79.047	79.188	



Handwritten signature

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward 30 and CIDCO (Airport). Providing, lowering, laying jointing and resting rising main

Saujanya Nagar (New Balaji Nagar) Meas. Branch

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	SNC 1/8/3 to SNC 2/8/3/3 CH1.50	586.093	585.493	585.393			0.700	0.700			
	CH3.50	586.193	585.593	585.493			0.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in soft soils, Soft murrum etc complete.				1.5	0.690	0.700	0.725	88.714	89.439	
	(a) For Lift 0 to 1.5m	1									
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.1	0.690	0.100	0.145	8.885	9.030	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.193	13.780	13.973	
	Extra Item No. 9.2 :- (b)Lowering & Laying of Stoneware pipe of 150mm Dia	1			2.6			2.600	14.500	17.100	
	Item No. 30 :- Refilling the excavated trenches ...							0.725			
	Total Excavation=										
	Deduction of 150mm dia pipe										
	pipe area	1.000		0.785	2.100	0.170	0.170	0.048			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.145			
								0.193			
	Net Qty = A - B							0.532	79.188	79.720	
	SNC 2/2/1/1 to SNC 2/2/1/1/1										
	CH0.00	585.573	584.973	584.873			0.700	0.700			
	CH2.00	585.673	585.073	584.973			0.700				
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.6	0.690	0.100	0.041	9.030	9.071	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.055	13.973	14.028	
	Extra Item No. 9.2 :- (b)Lowering & Laying of Stoneware pipe of 150mm Dia	1			1.1			1.100	17.100	18.200	
	Item No. 30 :- Refilling the excavated trenches ...							0.000			
	Total Excavation=										
	Deduction of 150mm dia pipe										
	pipe area	1.000		0.785	0.600	0.170	0.170	0.014			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.041			
								0.055			
	Net Qty = A - B							-0.055	79.720	79.665	
	SNC 2/2/1/1 to SNC 2/2/1/1/1										



Handwritten signature or mark.