

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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Town Hall 1200mm Noor Colony 0.9 X 0.6 size MH

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			1.640	1.340	0.250	0.549			
	Soling	1			1.640	1.640	0.250	0.672			
								1.222			
								0.844	17.196	18.040	
	Net Qty = A - B										
	NCR 7										
	CH84.40	563.344	563.444	562.944			0.400				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			2.360	2.060	0.400	1.945	40.502	42.447	
	Item No. : 11 Transportation of earth Transportation charges							1.945	40.502	42.447	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.945			
	Deduction										
	Brick work	1			1.440	1.140	0.000	0.000			
	PCC	1			1.640	1.340	0.250	0.549			
	Soling	1			1.640	1.640	0.250	0.672			
								1.222			
								0.723	18.040	18.763	
	Net Qty = A - B										
	NCR 8										
	CH92.40	563.419	563.469	562.969			0.450				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			2.360	2.060	0.450	2.188	42.447	44.634	
	Item No. : 11 Transportation of earth Transportation charges							2.188	42.447	44.634	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.188			
	Deduction										
	Brick work	1			1.440	1.140	0.000	0.000			
	PCC	1			1.640	1.340	0.250	0.549			
	Soling	1			1.640	1.640	0.250	0.672			
								1.222			
								0.966	18.763	19.729	
	Net Qty = A - B										
	NCR 9										
	CH103.60	563.644	563.669	563.169			0.475				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			2.360	2.060	0.475	2.309	44.634	46.944	
	Item No. : 11 Transportation of earth Transportation charges							2.309	44.634	46.944	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.309			
	Deduction										
	Brick work	1			1.440	1.140	0.000	0.000			
	PCC	1			1.640	1.340	0.250	0.549			
	Soling	1			1.640	1.640	0.250	0.672			
								1.222			
								1.087	19.729	20.816	
	Net Qty = A - B										
	NCR 10										
	CH108.30	563.804	563.804	563.304			0.500				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			2.360	2.060	0.500	2.431	46.944	49.374	



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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Town Hall 1200mm Noor Colony 0.9 X 0.6 size MH

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							2.431		46.944	49.374
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.431			
	Deduction										
	Brick work	1			1.440	1.140	0.000	0.000			
	PCC	1			1.640	1.340	0.250	0.549			
	Soling	1			1.640	1.640	0.250	0.672			
								1.222			
	Net Qty = A - B							1.209	20.816	22.025	
	NCR 11										
	CH117.70	564.015	563.999	563.499				0.516			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			2.360	2.060	0.516	2.509		49.374	51.883
	Item No. : 11 Transportation of earth Transportation charges							2.509		49.374	51.883
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.509			
	Deduction										
	Brick work	1			1.440	1.140	0.016	0.026			
	PCC	1			1.640	1.340	0.250	0.549			
	Soling	1			1.640	1.640	0.250	0.672			
								1.248			
	Net Qty = A - B							1.261	22.025	23.286	
	NCR 12										
	CH127.90	564.034	563.999	563.499				0.535			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			2.360	2.060	0.535	2.601		51.883	54.484
	Item No. : 11 Transportation of earth Transportation charges							2.601		51.883	54.484
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.601			
	Deduction										
	Brick work	1			1.440	1.140	0.035	0.057			
	PCC	1			1.640	1.340	0.250	0.549			
	Soling	1			1.640	1.640	0.250	0.672			
								1.279			
	Net Qty = A - B							1.322	23.286	24.609	
	NCR 13										
	CH137.10	564.069	564.019	563.519				0.550			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			2.360	2.060	0.550	2.674		54.484	57.158
	Item No. : 11 Transportation of earth Transportation charges							2.674		54.484	57.158
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.674			
	Deduction										
	Brick work	1			1.440	1.140	0.050	0.082			
	PCC	1			1.640	1.340	0.250	0.549			
	Soling	1			1.640	1.640	0.250	0.672			
								1.304			
	Net Qty = A - B							1.370	24.608	25.978	
	NCR 14										



Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salam 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 Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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

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

Details										Last	
Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	CH146.70	564.284	564.199	563.699			0.585				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			2.360	2.060	0.585	2.844	57.158	60.002	
	Item No. : 11 Transportation of earth Transportation charges							2.844	57.158	60.002	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.844			
	Deduction										
	Brick work	1			1.440	1.140	0.085	0.140			
	PCC	1			1.640	1.340	0.250	0.549			
	Soling	1			1.640	1.640	0.250	0.672			
								1.361			
	Net Qty = A - B							1.483	25.978	27.460	
	NCR 15										
	CH156.80	564.369	564.269	563.769			0.600				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			2.360	2.060	0.600	2.917	60.002	62.919	
	Item No. : 11 Transportation of earth Transportation charges							2.917	60.002	62.919	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.917			
	Deduction										
	Brick work	1			1.440	1.140	0.100	0.164			
	PCC	1			1.640	1.340	0.250	0.549			
	Soling	1			1.640	1.640	0.250	0.672			
								1.386			
	Net Qty = A - B							1.531	27.460	28.991	
	NCR 16										
	CH162.80	564.279	564.379	563.879			0.400				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			2.360	2.060	0.400	1.945	62.919	64.863	
	Item No. : 11 Transportation of earth Transportation charges							1.945	62.919	64.863	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.945			
	Deduction										
	Brick work	1			1.440	1.140	0.000	0.000			
	PCC	1			1.640	1.340	0.250	0.549			
	Soling	1			1.640	1.640	0.250	0.672			
								1.222			
	Net Qty = A - B							0.723	28.991	29.714	



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

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

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

Details										Last Measurement	
										Total up to	

9th RA BILL MEASURMENTS

"Branch Sewer At Noor Colony"

Sr. No.	Description	No.	Dia of Bar	Spacig	Nos	No of members	Total Nos	cut length	Lap length	overall cutting length	8mm(MT)	10mm (MT)
A Slab for Manhole NC 1 to NC 5												
1	# 10 @ 150 C/C b/w at bottom	5.00	10.00	0.12	19.00	2.00	38.00	2.20	0.00	418.00	0.000	0.259
2	# 8 @ 150 C/C b/w at Top	5.00	8.00	0.12	19.00	2.00	38.00	2.20	0.00	418.00	0.167	0.000
B Slab for Manhole NC 6												
1	# 10 @ 150 C/C along long Span at bottom	1.00	10.00	0.12	19.00	1.00	19.00	2.70	0.00	51.30	0.000	0.032
2	# 10 @ 150 C/C along short span at bottom	1.00	10.00	0.12	23.00	1.00	23.00	2.20	0.00	50.60	0.000	0.031
3	# 8 @ 150 C/C along long Span at Top	1.00	8.00	0.12	19.00	1.00	19.00	2.70	0.00	51.30	0.021	0.000
4	# 8 @ 150 C/C along short Span at Top	1.00	8.00	0.12	23.00	1.00	23.00	2.20	0.00	50.60	0.020	0.000
Sub Total											0.208	0.322
Total in MT											0.530	



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

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Town Hall 1200mm Noor Colony Extra Work

9th R A BILL MEASUREMENTS
"Branch Sewer At Noor Colony"

Sr.No.	Description	Unit	No.	Length	Width	Height	Quantity
A	Item No. 6 :- Providing and laying in situ Cement Concrete of trap/granite /quartzite/gneiss metal for RCC work in foundation like raft, grillage, strip foundation and footing of RCC columns and steel stanchions including normal dewatering, form work, bally, steel props, compaction finishing and curing etc. complete. (by weigh, batching and mix design for M250 and M300 only. Use of L&T, ACC, Ambuja, Birla gold etc. cement is permitted.						
	1 Slab for manhole NC 1 to NC 5	Cum	5	2.220	2.220	0.200	4.928
	2 Slab for manhole NC 6	Cum	1	2.700	2.220	0.200	1.199
	Deduction for Frame & Cover	Cum	-7	1.300	1.000	0.200	-1.820
							4.307
B	Item No. 11 :- Disposal of excavated material including loading the excavated material in trucks / tractors and unloading the same at a distance of 10 KMS as directed by engineer-in-charge.						
	Broken material of encroachment (23 House ottas)	Cum	23	1.500	1.500	0.500	25.875
C	Item No. 28 :- STEEL REINFORCEMENT Providing and fixing in position steel bar reinforcement of various diameters for RCC piles caps, footing foundations, slabs, beams, columns, canopies, staircases, newels, chajjas lintels, pardijs, copings, fins arches, etc. as per detailed designs, drawings and schedules including cutting bending, hooking the bars, binding with wires or tack welding and supporting as required etc. complete. (including cost of binding wire)	MT				From BBS	0.530
D	Extra item no.-5. a) Providing Rubble soling in 15 to 20cm thk layer						
	1 For manhole NC 1 to NC 5	Cum	5	2.600	2.600	0.250	8.450
	2 For manhole NC 6	Cum	1	3.100	2.600	0.250	2.015
							10.465
E	Extra item no.-5. b) Providing & casting M 15 Grade Concrete						
	1 PCC for manhole NC 1 to NC 5	Cum	5	2.400	2.400	0.250	7.200
	2 PCC for manhole NC 6	Cum	1	2.900	2.400	0.250	1.740
							8.940
F	Extra item no.-4. a) Construction of Brick work						
	1 BBM for manhole NC 1	Cum	1	7.400	0.350	1.605	4.157
	2 BBM for manhole NC 2	Cum	1	7.400	0.350	1.615	4.183
	3 BBM for manhole NC 3	Cum	1	7.400	0.350	1.545	4.002
	4 BBM for manhole NC 4	Cum	1	7.400	0.350	1.680	4.351
	5 BBM for manhole NC 5	Cum	1	7.400	0.350	1.580	4.092
	6 BBM for manhole NC 6	Cum	1	8.400	0.350	1.975	5.807
							26.591
G	Extra item no.-4. b) Internal Plaster for Brick work						
	1 BBM for manhole NC 1	Sqm	1	6.000		1.605	9.630
	2 BBM for manhole NC 2	Sqm	1	6.000		1.615	9.690
	3 BBM for manhole NC 3	Sqm	1	6.000		1.545	9.270
	4 BBM for manhole NC 4	Sqm	1	6.000		1.680	10.080
	5 BBM for manhole NC 5	Sqm	1	6.000		1.580	9.480
	6 BBM for manhole NC 6	Sqm	1	7.000		1.975	13.825
							61.975
H	Extra item no.-4. c) External Plaster for Brick work						
	1 BBM for manhole NC 1	Sqm	1	8.800		1.605	14.124
	2 BBM for manhole NC 2	Sqm	1	8.800		1.615	14.212
	3 BBM for manhole NC 3	Sqm	1	8.800		1.545	13.596



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 Venture)

Authori

Date of Measurement	1
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Town Hall 1200mm Noor Colony Quantity Node Abstract

9th R A BILL MEASUREMENTS

Branch Of Sewer At "Noor Colony"

SR NO	Description	MB/PG	EIRL 4			EIRL 5			EIRL 9.5			EIRL 9.6		EIRL 9.8	
			a	b	c	a	b	d	110mm	160mm	160mm	110mm	160mm	b	
1	For Pipe		26.591								16.600	36.010	16.600	36.010	0.9X0.6m
2	For Manhole		61.975	61.975	89.975	10.465	142.450	8.940	71.138						7.000
	Total		26.591	61.975	89.975	10.465	142.450	8.940	71.138				16.600	36.010	7.000

CONTRACTOR



Authorized Signatory

PMC



Project Engineer



Project Manager

CLIENT



Jr. Engineer

Dy. Engineer

Ex. Engineer

Last measurement	Quantity	Total up to Date

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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Noor Colony-2(300mm) RCC Noor Colony-300mm RCC

9th R A BILL MEASUREMENTS
Branch Sewer OF "C" at NOOR COLONY

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	300mm Dia- Noor Colony										
	Width of Trench - For Bottom Lift 0.00-1.50m- 0.3+0.08+0.08+0.5=0.96m										
	From Bottom Lift 1.50m-3.00m- 0.3+0.08+0.08+0.5+0.4=1.36m										
	From Bottom Lift 3.00m-4.50m- 0.3+0.08+0.08+0.5+0.4+0.4=1.76m										
	NRC 0										
	CH0.00	560.170	559.790	559.590			0.58	1.520			
	CH20.60	562.170	559.910	559.710			2.46				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			17.90	0.960	0.300	5.155	0.000	5.155	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			17.90	1.360	1.200	29.213	0.000	29.213	
	(b) For Lift 1.5m to 3.0m	1			17.90	0.960	0.020	0.344	0.000	0.344	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.90	0.960	0.200	3.437	0.000	3.437	
	Item No. : 11 Transportation of earth Transportation charges including							5.466	0.000	5.466	
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			19.4			19.400	0.000	19.400	
	Item No 30 :- Refilling the excavated trenches -										
	Total Excavation = A							34.712			
	Deduction										
	pipe area	1		0.785	17.90	0.380	0.380	2.03			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							3.44			
	Total = B							5.47			
								Net Qty = A - B			
								29.25	0.000	29.246	
	NRC 1										
	CH20.60	562.170	559.910	559.710			2.46	2.445			
	CH26.80	562.180	559.950	559.750			2.43				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.50	1.360	1.200	5.712	29.213	34.925	
	(b) For Lift 1.5m to 3.0m	1			3.50	0.960	0.945	3.175	0.344	3.519	
	Item No. 2 :- Excavation for foundation/pipe trenches in hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.50	1.360	0.150	0.714	0.000	0.714	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.50	1.360	0.150	0.714	0.000	0.714	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.50	0.960	0.200	0.672	3.437	4.109	
	Item No. : 11 Transportation of earth Transportation charges including							1.069	5.466	6.535	



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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, Gofwadi, Zalta, Ward No. 94 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main

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Noor Colony-2(300mm) RCC Noor Colony-300mm RCC

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE		
		No			L	B		D	Page		Quantity	
		GL	IL	EX.L								
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			5.0			5.000		19.400	24.400	
	Item No 30 :- Refilling the excavated trenches ...											
	Total Excavation = A							10.315				
	Deduction											
	pipe area	1		0.785	3.50	0.380	0.380	0.40				
	soling							0.00				
	PCC							0.00				
	Murum bedding							0.67				
	Total = B							1.07				
		Net Qty = A - B										
								9.25		29.246	38.492	
	NRC 2											
	CH26.80	562.180	559.950	559.750			2.43	2.395				
	CH31.50	562.130	559.970	559.770			2.36					
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.											
	(a) For Lift 0 to 1.5m	1			2.00	1.360	1.200	3.264		34.925	38.189	
	(b) For Lift 1.5m to 3.0m	1			2.00	0.960	0.895	1.718		3.519	5.237	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.											
	(a) For Lift 0 to 1.5m	1			2.00	1.360	0.150	0.408		0.714	1.122	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			2.00	1.360	0.150	0.408		0.714	1.122	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.00	0.960	0.200	0.384		4.109	4.493	
	Item No. : 11 Transportation of earth Transportation charges including							0.611		6.535	7.145	
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			3.5			3.500		24.400	27.900	
	Item No 30 :- Refilling the excavated trenches ...											
	Total Excavation = A							5.798				
	Deduction											
	pipe area	1		0.785	2.00	0.380	0.380	0.23				
	soling							0.00				
	PCC							0.00				
	Murum bedding							0.38				
	Total = B							0.61				
		Net Qty = A - B										
								5.19		38.492	43.680	
	NRC 3											
	CH31.50	562.130	559.970	559.770			2.36	2.280				
	CH45.20	562.010	560.010	559.810			2.20					
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.											
	(a) For Lift 0 to 1.5m	1			11.00	1.360	1.200	17.952		38.189	56.141	
	(b) For Lift 1.5m to 3.0m	1			11.00	0.960	0.780	8.237		5.237	13.474	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.											
	(a) For Lift 0 to 1.5m	1			11.00	1.360	0.150	2.244		1.122	3.366	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.											



Name of work:- Development of Underground Sewerage Collection system for Zone I to 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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Noor Colony-2(300mm) RCC Noor Colony-300mm RCC

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			11.00	1.360	0.150	2.244		1.122	3.366
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.00	0.960	0.200	2.112		4.493	6.605
	Item No. : 11 Transportation of earth Transportation charges including							3.359		7.145	10.504
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			12.5			12.500		27.900	40.400
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							30.677			
	Deduction										
	pipe area	1		0.785	11.00	0.380	0.380	1.25			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							2.11			
	Total = B							3.36			
				Net Qty = A - B				27.32		43.680	70.998
	NRC 4										
	CH45.20	562.010	560.010	559.810			2.20	2.205			
	CH61.40	562.060	560.050	559.850			2.21				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.50	1.360	1.200	22.032		56.141	78.173
	(b) For Lift 1.5m to 3.0m	1			13.50	0.960	0.705	9.137		13.474	22.611
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.50	1.360	0.150	2.754		3.366	6.120
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			13.50	1.360	0.150	2.754		3.366	6.120
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.50	0.960	0.200	2.592		6.605	9.197
	Item No. : 11 Transportation of earth Transportation charges including							4.122		10.504	14.626
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			15.0			15.000		40.400	55.400
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							36.677			
	Deduction										
	pipe area	1		0.785	13.50	0.380	0.380	1.53			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							2.59			
	Total = B							4.12			
				Net Qty = A - B				32.55		70.998	103.552
	NRC 5										
	CH61.40	562.060	560.050	559.850			2.20	2.205			
	CH70.10	562.160	560.160	559.960			2.20				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.00	1.360	0.950	7.752		78.173	85.925
	(b) For Lift 1.5m to 3.0m	1			6.00	0.960	0.705	4.061		22.611	26.672



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 (Kanchanawadi), Banewadi, Siddharth Garden, Zaha, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commissioning of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zaha, Ward No.98 and CIDCO (Airport) Providing, lowering, laying jointing and testing rising main

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Noor Colony-2(300mm) RCC Noor Colony-300mm RCC

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		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			6.00	1.360	0.450	3.672		6.120	9.792
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.00	1.360	0.100	0.816		6.120	6.936
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.00	0.960	0.200	1.152		9.197	10.349
	Item No. : 11 Transportation of earth Transportation charges including							1.832		14.626	16.459
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			7.5			7.500		55.400	62.900
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							16.301			
	Deduction										
	pipe area	1		0.785	6.00	0.380	0.380	0.68			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.15			
	Total = B							1.83			
					Net Qty = A - B			14.47		103.552	118.021
	NRC 6										
	CH70.10	562.160	560.160	559.960			2.20	2.330			
	CH88.80	562.460	560.200	560.000			2.46				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.00	1.360	0.950	20.672		85.925	106.597
	(b) For Lift 1.5m to 3.0m	1			16.00	0.960	0.830	12.749		26.672	39.420
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			16.00	1.360	0.450	9.792		9.792	19.584
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			16.00	1.360	0.100	2.176		6.936	9.112
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			16.00	0.960	0.200	3.072		10.349	13.421
	Item No. : 11 Transportation of earth Transportation charges including							4.886		16.459	21.344
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			17.5			17.500		62.900	80.400
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							45.389			
	Deduction										
	pipe area	1		0.785	16.00	0.380	0.380	1.81			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							3.07			
	Total = B							4.89			
					Net Qty = A - B			40.50		118.021	158.524
	NRC 7										
	CH88.80	562.460	560.200	560.000			2.46	2.415			
	CH112.50	562.435	560.265	560.065			2.37				



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

Noor Colony-2(300mm) RCC Noor Colony-300mm RCC

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Murum bedding						0.67				
	Total = B						1.07				
		Net Qty = A - B							213.398	222.191	
	NRC 9										
	CH118.70	562.335	560.285	560.085		2.25	2.280				
	CH132.40	562.455	560.345	560.145		2.31					
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.00	1.360	0.530	7.929	138.251	146.180	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.00	1.360	0.650	9.724	34.578	44.302	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			11.00	1.360	0.320	4.787	12.444	17.231	
	(b) For Lift 1.5m to 3.0m	1			11.00	0.960	0.780	8.237	0.000	8.237	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.00	0.960	0.200	2.112	18.125	20.237	
	Item No. : 11 Transportation of earth Transportation charges including							3.359	28.825	32.184	
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			12.5			12.500	107.900	120.400	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							30.677			
	Deduction										
	pipe area	1		0.785	11.00	0.380	0.380	1.25			
	soling							0.00			
	PCC							0.00			
	Murum bedding							2.11			
	Total = B							3.36			
		Net Qty = A - B							27.32	222.191	249.509
	NRC 10										
	CH132.40	562.455	560.345	560.145		2.31	2.375				
	CH143.60	562.625	560.385	560.185		2.44					
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.50	1.360	0.530	6.127	146.180	152.306	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.50	1.360	0.650	7.514	44.302	51.816	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.50	1.360	0.320	3.699	17.231	20.930	
	(b) For Lift 1.5m to 3.0m	1			8.50	0.960	0.875	7.140	8.237	15.377	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.50	0.960	0.200	1.632	20.237	21.869	
	Item No. : 11 Transportation of earth Transportation charges including							2.596	32.184	34.780	
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			10.0			10.000	120.400	130.400	



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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Noor Colony-2(300mm) RCC Noor Colony-300mm RCC

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A						24.480				
	Deduction										
	pipe area	1		0.785	8.50	0.380	0.380	0.96			
	soling							0.00			
	PCC							0.00			
	Murum bedding							1.63			
	Total = B							2.60			
		Net Qty = A - B						21.88		249.509	271.393
	NRC 11										
	CH143.60	562.625	560.385	560.185			2.44	2.355			
	CH154.80	562.535	560.465	560.265			2.27				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.50	1.360	1.000	11.560		152.306	163.866
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.50	1.360	0.500	5.780		51.816	57.596
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			8.50	0.960	0.855	6.977		15.377	22.354
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			8.50	0.960	0.200	1.632		21.869	23.501
	Item No. : 11 Transportation of earth Transportation charges including							2.596		34.780	37.375
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			10.0			10.000		130.400	140.400
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							24.317			
	Deduction										
	pipe area	1		0.785	8.50	0.380	0.380	0.96			
	soling							0.00			
	PCC							0.00			
	Murum bedding							1.63			
	Total = B							2.60			
		Net Qty = A - B						21.72		271.393	293.115
	NRC 12										
	CH154.80	562.535	560.465	560.265			2.27	2.090			
	CH165.70	562.245	560.585	560.385			1.91				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.90	1.360	1.300	15.735		163.866	179.602
	(b) For Lift 1.5m to 3.0m	1			8.90	0.960	0.590	5.041		60.588	65.629
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.90	1.360	0.200	2.421		57.596	60.017
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			8.90	0.960	0.200	1.709		23.501	25.210
	Item No. : 11 Transportation of earth Transportation charges including							2.718		37.375	40.093



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Noor Colony-2(300mm) RCC Noor Colony-300mm RCC

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			10.0			10.000	140.400	150.400	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							23.197			
	Deduction										
	pipe area	1		0.785	8.90	0.380	0.380	1.01			
	soling							0.00			
	PCC							0.00			
	Murum bedding							1.71			
	Total = B							2.72			
								20.48	293.115	313.594	
	Net Qty = A - B										
	NRC 13										
	CH165.70	562.295	560.585	560.385			1.91	1.760			
	CH179.10	562.295	560.885	560.685			1.61				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.40	1.360	1.300	20.155	179.602	199.757	
	(b) For Lift 1.5m to 3.0m	1			11.40	0.960	0.260	2.845	65.629	68.475	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.40	1.360	0.100	1.550	60.017	61.567	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			11.40	1.360	0.100	1.550	20.930	22.481	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.40	0.960	0.200	2.189	25.210	27.398	
	Item No. : 11 Transportation of earth Transportation charges including							3.481	40.093	43.574	
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			12.5			12.500	150.400	162.900	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							26.101			
	Deduction										
	pipe area	1		0.785	11.40	0.380	0.380	1.29			
	soling							0.00			
	PCC							0.00			
	Murum bedding							2.19			
	Total = B							3.48			
								22.62	313.594	336.214	
	Net Qty = A - B										
	NRC 14										
	CH179.10	562.295	560.885	560.685			1.61	1.695			
	CH195.00	562.725	561.145	560.945			1.78				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.90	1.360	1.300	24.575	199.757	224.332	
	(b) For Lift 1.5m to 3.0m	1			13.90	0.960	0.195	2.602	68.475	71.077	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.90	1.360	0.100	1.890	61.567	63.458	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										



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

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Noor Colony-2(300mm) RCC Noor Colony-300mm RCC

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			13.90	1.360	0.100	1.890		22.481	24.371
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.90	0.960	0.200	2.669		27.398	30.067
	Item No. : 11 Transportation of earth Transportation charges including							4.244		43.574	47.818
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			15.0			15.000		162.900	177.900
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							30.958			
	Deduction										
	pipe area	1		0.785	13.90	0.380	0.380	1.58			
	soling							0.00			
	PCC							0.00			
	Murum bedding							2.67			
	Total = B							4.24			
								Net Qty = A - B		336.214	362.928
	NRC 15										
	CH195.00	562.725	561.145	560.945			1.78	1.690			
	CH210.90	562.825	561.425	561.225			1.60				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.90	1.360	1.300	24.575		224.332	248.907
	(b) For Lift 1.5m to 3.0m	1			13.90	0.960	0.190	2.535		71.077	73.612
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.90	1.360	0.100	1.890		63.458	65.348
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			13.90	1.360	0.100	1.890		24.371	26.262
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.90	0.960	0.200	2.669		30.067	32.736
	Item No. : 11 Transportation of earth Transportation charges including							4.244		47.818	52.063
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			15.0			15.000		177.900	192.900
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							30.891			
	Deduction										
	pipe area	1		0.785	13.90	0.380	0.380	1.58			
	soling							0.00			
	PCC							0.00			
	Murum bedding							2.67			
	Total = B							4.24			
								Net Qty = A - B		362.928	389.575
	NRC 16										
	CH210.90	562.825	561.425	561.225			1.60	1.400			
	CH216.80	562.750	561.750	561.550			1.20				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.90	0.860	0.750	2.516		248.907	251.423



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Noor Colony-2(300mm) RCC Noor Colony-300mm RCC

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.90	0.860	0.250	0.839		65.348	66.187
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.90	0.860	0.400	1.342		26.262	27.603
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.90	0.860	0.200	0.671		32.736	33.407
	Item No. : 11 Transportation of earth Transportation charges including							0.911		52.063	52.974
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 200mm Dia	1			5.0			5.000		0.000	5.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							4.696			
	Deduction										
	pipe area	1		0.785	3.90	0.280	0.280	0.24			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.67			
	Total = B							0.91			
								3.78		389.575	393.360
	Net Qty = A - B										
	NRC 17										
	CH216.80	562.750	561.750	561.550			1.20				
	CH225.20	563.310	562.270	562.070			1.24	1.220			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.40	0.860	0.570	3.137		251.423	254.560
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.40	0.860	0.250	1.376		66.187	67.563
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.40	0.860	0.400	2.202		27.603	29.805
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.40	0.860	0.200	1.101		33.407	34.508
	Item No. : 11 Transportation of earth Transportation charges including							1.495		52.974	54.468
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 200mm Dia	1			7.5			7.500		5.000	12.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							6.715			
	Deduction										
	pipe area	1		0.785	6.40	0.280	0.280	0.39			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							1.10			
	Total = B							1.49			
								5.22		393.360	398.580
	Net Qty = A - B										
	NRC 18										
	CH225.20	563.310	562.270	562.070			1.24				
	CH225.50	563.880	562.720	562.520			1.36	1.300			



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 S.P.D. line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

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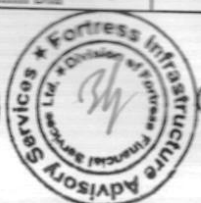
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Noor Colony-2(300mm) RCC Noor Colony-300mm RCC

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE
		GL	No	EX.L	L	B		D	Page	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.									
	(a) For Lift 0 to 1.5m	1			6.40	0.860	0.650	3.578	254.560	258.138
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.									
	(a) For Lift 0 to 1.5m	1			6.40	0.860	0.250	1.376	67.563	68.939
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			6.40	0.860	0.400	2.202	29.805	32.006
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.40	0.860	0.200	1.101	34.508	35.608
	Item No. : 11 Transportation of earth Transportation charges including							1.495	54.468	55.963
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 200mm Dia	1			7.5			7.500	12.500	20.000
	Item No 30 :- Refilling the excavated trenches ...									
	Total Excavation = A							7.155		
	Deduction									
	pipe area	1		0.785	6.40	0.280	0.280	0.39		
	soling							0.00		
	PCC							0.00		
	Murum bedding							1.10		
	Total = B							1.49		
	Net Qty = A - B							5.66	398.580	404.241
	NRC 7 to NRC 7.1									
	CHB.00	562.460	560.200	560.000			2.46			
	CHB.40	562.485	561.095	560.895			1.59	2.025		
	Item No. 3 -> Excavation for foundation/pipe trenches in slush etc complete.									
	(a) For Lift 0 to 1.5m	1			6.40	1.360	0.000	0.000	5.155	5.155
	(b) For Lift 1.5m to 3.0m	1			6.40	0.860	0.000	0.000	0.000	0.000
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.									
	(a) For Lift 0 to 1.5m	1			6.40	1.360	0.950	8.269	258.138	266.406
	(b) For Lift 1.5m to 3.0m	1			6.40	0.960	0.525	3.226	73.612	76.838
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.									
	(a) For Lift 0 to 1.5m	1			6.40	1.360	0.450	3.917	68.939	72.855
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			6.40	1.360	0.100	0.870	32.006	32.877
	(b) For Lift 1.5m to 3.0m	1			6.40	0.960	0.000	0.000	22.354	22.354
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.40	0.860	0.200	1.101	35.608	36.709
	Item No. : 11 Transportation of earth Transportation charges including							1.826	55.963	57.789
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 200mm Dia								20.000	20.000
	Extra Item :- Lowering & Laying RCC NP3 class pipe of 300mm Dia	1			7.5			7.500	192.900	200.400



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Noor Colony-2(300mm) RCC Noor Colony-300mm RCC

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A						16.282				
	Deduction										
	pipe area	1		0.785	6.40	0.380	0.380	0.73			
	soling							0.00			
	PCC							0.00			
	Murum bedding							1.10			
	Total = B							1.83			
		Net Qty = A - B									
							14.46		404.241	418.696	



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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

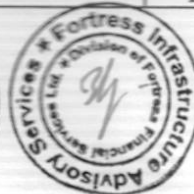
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Noor Colony-2(300mm) RCC Noor Colony- DWC

9th R A BILL MEASURMENTS
Branch Sewer OF "C" at NOOR COLONY

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE
		GL	No IL	EX.L	L	B		D	Page	
	DWC Line- Noor Colony									
	Width of Trench - For Bottom Lift 0.00-1.50m- 0.25+0.5=0.75m									
	From Bottom Lift 1.50m-3.00m- 0.25+0.5+0.4=1.15m									
	From Bottom Lift 3.00m-4.50m- 0.25+0.5+0.4+0.4=1.55m									
	NRC 13.0									
	CH0.00	562.295	560.585	560.485			1.81			
	CH4.90	562.320	561.360	561.260			1.06	1.435		
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.									
	(a) For Lift 0 to 1.5m	1			2.90	1.150	1.250	4.169	266.406	270.575
	(b) For Lift 1.5m to 3.0m	1			2.90	0.750	0.035	0.076	76.838	76.914
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			2.90	1.150	0.150	0.500	72.855	73.356
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			2.90	1.150	0.100	0.334	32.877	33.210
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			3.50	0.750	0.100	0.263	36.709	36.972
	Item No. : 11 Transportation of earth Transportation charges including							0.434	57.789	58.224
	Item No 13:- (b) Lowering & Laying DWC class pipe of 250mm Dia	1			4.0			4.000	0.000	4.000
	Item No 30 :- Refilling the excavated trenches ...									
	Total Excavation = A							5.079		
	Deduction									
	pipe area	1		0.785	3.50	0.250	0.250	0.17		
	soling							0.00		
	PCC							0.00		
	Murrum bedding							0.26		
	Total = B							0.43		
					Net Qty = A - B			4.64	418.696	423.340
	NRC 13.1									
	CH4.90	562.320	561.360	561.260			1.06			
	CH10.40	562.360	561.470	561.370			0.99	1.025		
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.									
	(a) For Lift 0 to 1.5m	1			3.50	0.750	0.775	2.034	270.575	272.610
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			3.50	0.750	0.150	0.394	73.356	73.749
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			3.50	0.750	0.100	0.263	33.210	33.473



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Noor Colony-2(300mm) RCC Noor Colony- DWC

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.10	0.750	0.100	0.308		36.972	37.279
	Item No. : 11 Transportation of earth Transportation charges including							0.509		58.224	58.732
	Item No 13:- (b) Lowering & Laying DWC class pipe of 250mm Dia	1			4.6			4.600		4.000	8.600
	Item No 30 :- Refilling the excavated trenches ...							2.691			
	Total Excavation = A										
	Deduction	1		0.785	4.10	0.250	0.250	0.20			
	pipe area							0.00			
	soling							0.00			
	PCC							0.31			
	Murrum bedding							0.51			
	Total = B							2.18		423.340	425.522
	NRC 13.2							0.99			
	CH10.40	562.360	561.470	561.370				0.92	0.955		
	CH17.00	562.360	561.540	561.440							
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.60	0.750	0.705	2.432		272.610	275.042
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.60	0.750	0.150	0.518		73.749	74.267
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.60	0.750	0.100	0.345		33.473	33.818
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.20	0.750	0.100	0.390		37.279	37.669
	Item No. : 11 Transportation of earth Transportation charges including							0.645		58.732	59.377
	Item No 13:- (b) Lowering & Laying DWC class pipe of 250mm Dia	1			5.7			5.700		8.600	14.300
	Item No 30 :- Refilling the excavated trenches ...							3.295			
	Total Excavation = A										
	Deduction	1		0.785	5.20	0.250	0.250	0.26			
	pipe area							0.00			
	soling							0.00			
	PCC							0.39			
	Murrum bedding							0.65			
	Total = B							2.65		425.522	428.172
	NRC 13.3							0.92	0.845		
	CH17.00	562.360	561.540	561.440				0.77			
	CH25.00	562.320	561.650	561.550							
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.00	0.700	0.595	2.499		275.042	277.541
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.00	0.700	0.150	0.630		74.267	74.897



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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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Noor Colony-2(300mm) RCC Noor Colony- DWC

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No	L	B	D	Page		Quantity			
		GL	IL	EX.L							
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.00	0.700	0.100	0.420	33.818	34.238	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.60	0.700	0.100	0.462	37.669	38.131	
	Item No. : 11 Transportation of earth Transportation charges including							0.669	59.377	60.047	
	Item No 13:- (a) Lowering & Laying DWC class pipe of 200mm Dia	1			7.1			7.100	0.000	7.100	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							3.549			
	Deduction										
	pipe area	1		0.785	6.60	0.200	0.200	0.21			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.46			
	Total = B							0.67			
								Net Qty = A - B	2.88	428.172	431.052
	NRC 14.0										
	CH0.00	562.295	560.885	560.785			1.51	1.375			
	CH6.60	562.210	561.070	560.970			1.24				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.60	0.750	1.125	3.881	277.541	281.422	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.60	0.750	0.150	0.518	74.897	75.414	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.60	0.750	0.100	0.345	34.238	34.583	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.20	0.750	0.100	0.390	38.131	38.521	
	Item No. : 11 Transportation of earth Transportation charges including							0.645	60.047	60.692	
	Item No 13:- (b) Lowering & Laying DWC class pipe of 250mm Dia	1			5.7			5.700	14.300	20.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							4.744			
	Deduction										
	pipe area	1		0.785	5.20	0.250	0.250	0.26			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.39			
	Total = B							0.65			
								Net Qty = A - B	4.10	431.052	435.150
	NRC 14.1										
	CH6.60	562.210	561.070	560.970			1.24	1.185			
	CH15.35	562.230	561.200	561.100			1.13				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.75	0.750	0.935	4.733	281.422	286.155	



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Noor Colony-2(300mm) RCC Noor Colony- DWC

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		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			6.75	0.750	0.150	0.759		75.414	76.174
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.75	0.750	0.100	0.506		34.583	35.089
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.35	0.750	0.100	0.551		38.521	39.072
	Item No. : 11 Transportation of earth Transportation charges including							0.912		60.692	61.604
	Item No 13:- (b) Lowering & Laying DWC class pipe of 250mm Dia	1			7.9			7.850		20.000	27.850
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							5.999			
	Deduction										
	pipe area	1		0.785	7.35	0.250	0.250	0.36			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.55			
	Total = B							0.91			
					Net Qty = A - B			5.09		435.150	440.237
	NRC 14.2										
	CH15.35	562.230	561.200	561.100			1.13	1.065			
	CH26.95	562.220	561.320	561.220			1.00				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.60	0.750	0.815	5.868		286.155	292.023
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.60	0.750	0.150	1.080		76.174	77.254
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			9.60	0.750	0.100	0.720		35.089	35.809
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.20	0.750	0.100	0.765		39.072	39.837
	Item No. : 11 Transportation of earth Transportation charges including							1.265		61.604	62.869
	Item No 13:- (b) Lowering & Laying DWC class pipe of 250mm Dia	1			10.7			10.700		27.850	38.550
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							7.668			
	Deduction										
	pipe area	1		0.785	10.20	0.250	0.250	0.50			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.77			
	Total = B							1.27			
					Net Qty = A - B			6.40		440.237	446.640
	NRC 14.3										
	CH15.35	562.220	561.320	561.220			1.00	0.980			
	CH26.95	562.320	561.460	561.360			0.96				



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Noor Colony-2(300mm) RCC Noor Colony- DWC

Date	Particulars of work	DETAILS					Content of area	Last measurment		TOTAL TO DATE
		GL	No IL	EXL	L	B		D	Page	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.									
	(a) For Lift 0 to 1.5m	1			9.60	0.700	0.730	4.906	292.023	296.929
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			9.60	0.700	0.150	1.008	77.254	78.262
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			9.60	0.700	0.100	0.672	35.809	36.481
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.20	0.700	0.100	0.714	39.837	40.551
	Item No. : 11 Transportation of earth Transportation charges including							1.034	62.869	63.903
	Item No 13:- (a) Lowering & Laying DWC class pipe of 200mm Dia	1			10.7			10.700	7.100	17.800
	Item No 30 :- Refilling the excavated trenches ...									
	Total Excavation = A							6.586		
	Deduction									
	pipe area	1		0.785	10.20	0.200	0.200	0.32		
	soling							0.00		
	PCC							0.00		
	Murrum bedding							0.71		
	Total = B							1.03		
					Net Qty = A - B			5.55	446.640	452.191
	NRC 16.0									
	CH0.00	562.825	561.425	561.325						
	CH7.45	562.780	561.780	561.680			1.50	1.300		
							1.10			
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.									
	(a) For Lift 0 to 1.5m	1			5.45	0.750	1.050	4.292	296.929	301.221
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			5.45	0.750	0.150	0.613	78.262	78.875
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1			5.45	0.750	0.100	0.409	36.481	36.890
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.05	0.750	0.100	0.454	40.551	41.005
	Item No. : 11 Transportation of earth Transportation charges including							0.751	63.903	64.654
	Item No 13:- (b) Lowering & Laying DWC class pipe of 250mm Dia	1			6.6			6.550	38.550	45.100
	Item No 30 :- Refilling the excavated trenches ...									
	Total Excavation = A							5.314		
	Deduction									
	pipe area	1		0.785	6.05	0.250	0.250	0.30		
	soling							0.00		
	PCC							0.00		
	Murrum bedding							0.45		
	Total = B							0.75		



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Noor Colony-2(300mm) RCC Noor Colony- DWC

Date	Particulars of work	DETAILS					Content of area	Last measurment		TOTAL TO DATE
		No		L	B	D		Page	Quantity	
		GL	IL							
		Net Qty = A - B					4.56		452.191	456.755
	NRC 16.1									
	CH7.45	562.780	561.780	561.680			1.10			
	CH18.05	562.740	561.970	561.870			0.87	0.985		
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.									
	(a) For Lift 0 to 1.5m	1		8.60	0.750	0.735		4.741	301.221	305.962
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1		8.60	0.750	0.150		0.968	78.875	79.842
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1		8.60	0.750	0.100		0.645	36.890	37.535
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1		9.20	0.750	0.100		0.690	41.005	41.695
	Item No. : 11 Transportation of earth Transportation charges including							1.141	64.654	65.795
	Item No 13:- (b) Lowering & Laying DWC class pipe of 250mm Dia	1		9.7				9.700	45.100	54.800
	Item No 30 :- Refilling the excavated trenches ...									
	Total Excavation = A							6.353		
	Deduction									
	pipe area	1		0.785	9.20	0.250	0.250	0.45		
	soling							0.00		
	PCC							0.00		
	Murrum bedding							0.69		
	Total = B							1.14		
		Net Qty = A - B					5.21		456.755	461.966
	NRC 16.2									
	CH18.05	562.740	561.970	561.870			0.87			
	CH25.85	562.820	562.010	561.910			0.91	0.890		
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.									
	(a) For Lift 0 to 1.5m	1		5.80	0.750	0.640		2.784	305.962	308.746
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									
	(a) For Lift 0 to 1.5m	1		5.80	0.750	0.150		0.653	79.842	80.495
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.									
	(a) For Lift 0 to 1.5m	1		5.80	0.750	0.100		0.435	37.535	37.970
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1		6.40	0.750	0.100		0.480	41.695	42.175
	Item No. : 11 Transportation of earth Transportation charges including							0.794	65.795	66.589
	Item No 13:- (b) Lowering & Laying DWC class pipe of 250mm Dia	1		6.9				6.900	54.800	61.700
	Item No 30 :- Refilling the excavated trenches ...									
	Total Excavation = A							3.872		
	Deduction									
	pipe area	1		0.785	6.40	0.250	0.250	0.31		



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Noor Colony-2(300mm) RCC Noor Colony- DWC

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.48			
	Total = B							0.79			
		Net Qty = A - B						3.08	461.966	465.044	
	NRC 16.3										
	CH25.85	562.820	562.010	561.910			0.91	0.905			
	CH33.75	562.840	562.040	561.940			0.90				
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			5.90	0.750	0.000	0.000		5.155	
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.90	0.750	0.655	2.898		308.746	
	(b) For Lift 1.5m to 3.0m	1			5.90	0.750	0.000	0.000		76.914	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.90	0.750	0.150	0.664		80.495	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			5.90	0.750	0.100	0.443		37.970	
	(b) For Lift 1.5m to 3.0m	1			5.90	0.750	0.000	0.000		22.354	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			6.50	0.750	0.100	0.488		42.175	
	Item No. : 11 Transportation of earth Transportation charges including							0.806		66.589	
	Item No 13:- (a) Lowering & Laying DWC class pipe of 200mm Dia									17.800	
	Item No 13:- (b) Lowering & Laying DWC class pipe of 250mm Dia	1			7.0			7.000		61.700	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							4.005			
	Deduction										
	pipe area	1		0.785	6.50	0.250	0.250	0.32			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.49			
	Total = B							0.81			
		Net Qty = A - B						3.20	465.044	468.242	
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge	1			0.30					0.30	



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

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Noor Colony-2(300mm) RCC Chamber Excan.

9th R A BILL MEASUREMENTS OF CHEMBERS NOOR COLONY

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - For 1.20 dia chamber (upto 2.0m depth)- 1.20+0.50+0.5+0.5=2.66m Breth for chamber upto 2m=2.66*2.66=7.075m										
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth -0.9+0.5+0.3+0.3=2m Breth for chamber up to 1.5m=2 X 2=4m										
	NRC 1										
	CH20.60	562.170	559.910	559.660			2.510				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.200	6.665	0.000	6.665	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	1.010	5.609	0.000	5.609	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	0.000	0.833	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	0.000	0.833	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.798	0.000	3.798	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							13.940			
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	2.260	3.04			
	soling							0.00			
	PCC	1.00		0.785	1.96	1.96	0.25	0.75			
	Murrum bedding							0.00			
	Total (B)							3.80			
	Net Qty = A - B							10.14	0.00	10.14	
	NRC 2										
	CH26.80	562.180	559.950	559.700			2.480				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.200	6.665	6.665	13.329	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.980	5.443	5.609	11.052	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	0.833	1.666	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	0.833	1.666	



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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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Noor Colony-2(300mm) RCC Chamber Excan.

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						3.758		3.798	7.556	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						13.774				
	Deduction										
	Brick work	1		0.785	1.31	1.31	2.230	3.00			
	soling							0.00			
	PCC	1		0.785	1.96	1.96	0.25	0.75			
	Murram bedding							0.00			
	Total (B)							3.76			
		Net Qty = A - B						10.02	10.14	20.16	
	NRC 3										
	CH31.50	562.130	559.970	559.720			2.410				
	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	7.075	1.200	6.665	13.329	19.994	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.910	5.054	11.052	16.106	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	1.666	2.499	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	1.666	2.499	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.664	7.556	11.220	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							13.385			
	Deduction										
	Brick work	1		0.785	1.31	1.31	2.160	2.91			
	soling							0.00			
	PCC	1		0.785	1.96	1.96	0.25	0.75			
	Murram bedding							0.00			
	Total (B)							3.66			
		Net Qty = A - B						9.72	20.16	29.89	
	NRC 4										
	CH45.20	562.010	560.010	559.760			2.250				
	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	7.075	1.200	6.665	19.994	26.659	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.750	4.165	16.106	20.272	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	2.499	3.332	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	2.499	3.332	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							3.448	11.220	14.668	



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