

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. :- 001
Page No. :-

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

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

8

K Sewer 9th RA (C) K-400 Reliance Mall to Vishal

Date	Particulars of work	DETAILS					Content of area	Last measurment		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Murrum bedding										
	Total = B						2.66				
							5.30				
		Net Qty = A - B					115.02		25308.481	25423.501	
	K RMV 15										
	CH590.00	593.415	587.615	587.415			6.00				
	CH631.50	592.711	587.711	587.511			5.20				
	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			38.60	2.400	1.200	111.168		9052.765	9163.933
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			38.60	2.400	0.150	13.896		1855.089	1868.985
	(b) For Lift 1.5m to 3.0m	1			38.60	2.000	1.500	115.800		3922.077	4037.877
	(c) For Lift 3.0m to 4.5m	1			38.60	1.600	1.500	92.640		3583.004	3675.644
	(d) For Lift 4.5m to 6.0m	1			38.60	1.200	1.100	50.952		394.596	445.548
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			38.60	2.400	0.150	13.896		630.265	644.161
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			38.60	1.200	0.200	9.264		1106.894	1116.158
	Item No. : 11 Transportation of earth Transportation charges including							18.430		1495.857	1514.287
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			40.0			40.000		510.000	550.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							398.352			
	Deduction										
	pipe area	1		0.785	38.60	0.550	0.550	9.17			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							9.26			
	Total = B							18.43			
		Net Qty = A - B					379.92		25423.501	25803.423	
	K RMV 16										
	CH631.50	592.711	587.711	587.511			5.20				
	CH670.50	592.601	587.801	587.601			5.00	5.100			
	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			36.10	2.400	1.200	103.968		9163.933	9267.901
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			36.10	2.400	0.150	12.996		1868.985	1881.981
	(b) For Lift 1.5m to 3.0m	1			36.10	2.000	1.500	108.300		4037.877	4146.177
	(c) For Lift 3.0m to 4.5m	1			36.10	1.600	1.500	86.640		3675.644	3762.284
	(d) For Lift 4.5m to 6.0m	1			36.10	1.200	0.600	25.992		445.548	471.540
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			36.10	2.400	0.150	12.996		644.161	657.157
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			36.10	1.200	0.200	8.664		1116.158	1124.822



12

Name of work:- Development of Underground Sewerage Collection 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. :- 002
Page No. :-

Name of Agency:- M's Khilari Infrastructure Pvt Ltd & GFCPI (Joint Venture)

9

K Sewer 9th RA (C) K-400 Reliance Mall to Vishal

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EXL							
	Item No. : 11 Transportation of earth Transportation charges including						17.236		1514.287	1531.	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			37.5		37.500		550.000	587.	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A						350.892				
	Deduction										
	pipe area	1		0.785	36.10	0.550	0.550	8.57			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							8.66			
	Total = B						17.24				
				Net Qty = A - B			333.66		25803.423	26137.	
	K RMV 17										
	CH670.50	592.601	587.801	587.601		5.00	4.750				
	CH732.00	592.225	587.925	587.725		4.50					
	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			58.60	2.400	1.200	168.768	9267.901	9436	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			58.60	2.400	0.150	21.096	1881.981	1903	
	(b) For Lift 1.5m to 3.0m	1			58.60	2.000	1.500	175.800	4146.177	4321	
	(c) For Lift 3.0m to 4.5m	1			58.60	1.600	1.500	140.640	3762.284	3902	
	(d) For Lift 4.5m to 6.0m	1			58.60	1.200	0.250	17.580	471.540	489	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			58.60	2.400	0.150	21.096	657.157	678	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			58.60	1.200	0.200	14.064	1124.822	1138	
	Item No. : 11 Transportation of earth Transportation charges including							27.979	1531.523	1559	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			60.0			60.000	587.500	647	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							544.980			
	Deduction										
	pipe area	1		0.785	58.60	0.550	0.550	13.92			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							14.06			
	Total = B						27.98				
				Net Qty = A - B			517.00		26137.079	26654	
	K RMV 18										
	CH732.00	592.225	587.925	587.725		4.50	4.250				
	CH771.00	591.818	588.018	587.818		4.00					
	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			36.10	2.000	1.200	86.640	9436.669	9523	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			36.10	2.000	0.150	10.830	1903.077	1913	
	(b) For Lift 1.5m to 3.0m	1			36.10	1.600	1.500	86.640	4321.977	4408	



12

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 Veneture)

Date	Particulars of work	DETAILS					Content of area	Last measurment		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	(c) For Lift 3.0m to 4.5m	1			36.10	1.200	1.250	54.150		3902.924	3957.074
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			36.10	2.000	0.150	10.830		678.253	689.083
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			36.10	1.200	0.200	8.664		1138.886	1147.550
	Item No. : 11 Transportation of earth Transportation charges including							17.236		1559.502	1576.739
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			37.5			37.500		647.500	685.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							249.090			
	Deduction										
	pipe area	1		0.785	36.10	0.550	0.550	8.57			
	soling							0.00			
	PCC							0.00			
	Murum bedding							8.66			
	Total = B							17.24			
					Net Qty = A - B			231.85		26654.079	26885.933
	K RMV 19										
	CH771.00	591.818	588.018	587.818			4.00	4.000			
	CH845.00	591.992	588.192	587.992			4.00	4.000			
	Item No. 1 :- Excavation for foundation/pipe trenches in all typesof soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			71.10	2.000	1.200	170.640		9523.309	9693.949
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			71.10	2.000	0.150	21.330		1913.907	1935.237
	(b) For Lift 1.5m to 3.0m	1			71.10	1.600	1.500	170.640		4408.617	4579.257
	(c) For Lift 3.0m to 4.5m	1			71.10	1.200	1.000	85.320		3957.074	4042.394
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			71.10	2.000	0.150	21.330		689.083	710.413
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			71.10	1.200	0.200	17.064		1147.550	1164.614
	Item No. : 11 Transportation of earth Transportation charges including							33.948		1576.739	1610.686
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			72.5			72.500		685.000	757.500
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							469.260			
	Deduction										
	pipe area	1		0.785	71.10	0.550	0.550	16.88			
	soling							0.00			
	PCC							0.00			
	Murum bedding							17.06			
	Total = B							33.95			
					Net Qty = A - B			435.31		26885.933	27321.245
	K RMV 20										
	CH845.00	591.992	588.192	587.992			4.00	4.000			
	CH889.00	592.094	588.294	588.094			4.00	4.000			



Handwritten mark resembling the number 12.

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. :-

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

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

11

K Sewer 9th RA (C) K-400 Reliance Mall to Vishal

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EXL							
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			41.1	2.000	0.000	0.000		674.363	674.363
	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			41.10	2.000	1.200	98.640		9693.949	9792.589
	(b) For Lift 1.5m to 3.0m	1			41.10	1.600	0.000	0.000		4168.150	4168.150
	(c) For Lift 3.0m to 4.5m	1			41.10	1.200	0.000	0.000		393.658	393.658
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			41.10	2.000	0.150	12.330		1935.237	1947.567
	(b) For Lift 1.5m to 3.0m	1			41.10	1.600	1.500	98.640		4579.257	4677.897
	(c) For Lift 3.0m to 4.5m	1			41.10	1.200	1.000	49.320		4042.394	4091.714
	(d) For Lift 4.5m to 6.0m	1			41.10	1.200	0.000	0.000		489.120	489.120
	Extra Item:- for lift 6.0 to 7.5 m	1			41.10	1.200	0.000	0.000		11.659	11.659
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			41.10	2.000	0.150	12.330		710.413	722.743
	(b) For Lift 1.5m to 3.0m	1			41.10	1.600	0.000	0.000		927.822	927.822
	(c) For Lift 3.0m to 4.5m	1			41.10	1.200	0.000	0.000		715.875	715.875
	(d) For Lift 4.5m to 6.0m	1			41.10	1.200	0.000	0.000		271.533	271.533
	Item No. 5 :- Excavation for foundation/pipe trenches in Hard rock etc complete.										
	(a) For Lift 0m to 1.5m	1			41.10	2.000	0.000	0.000		62.437	62.437
	(b) For Lift 1.5m to 3.0m	1			41.10	1.600	0.000	0.000		705.230	705.230
	(c) For Lift 3.0m to 4.5m	1			41.10	1.200	0.000	0.000		1578.855	1578.855
	(d) For Lift 4.5m to 6.0m	1			41.10	1.200	0.000	0.000		744.703	744.703
	(e) For Lift 6.0m to 7.5m	1			41.10	1.200	0.000	0.000		880.546	880.546
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			41.10	1.200	0.200	9.864		1164.614	1174.478
	Item No. : 11 Transportation of earth Transportation charges including							19.624		1610.686	1630.310
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			42.5			42.500		757.500	800.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							271.260			
	Deduction										
	pipe area	1		0.785	41.10	0.550	0.550	9.76			
	soiling							0.00			
	PCC							0.00			
	Murum bedding							9.86			
	Total = B							19.62			
	Net Qty = A - B							251.64		27321.245	27572.882



12

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. :-

005

Page No. :-

1

K Sewer 9th RA (C) Relaince Mall to Vijaya-400mm

9th R A BILL MEASURMENTS

Branch Sewer Of "K" at RELAINCE MALL TO VIJAY CHOWK

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Branch of K Sewer-400mm Dia-Reliance mall to Vijaya Chowk										
	Width of Trench -										
	For Bottom Lift 0.00-1.50m- 0.4+0.15+0.15+0.5=1.2m										
	From Bottom Lift 1.50m-3.00m- 0.4+0.15+0.15+0.5+0.4=1.6m										
	From Bottom Lift 3.00m-4.50m- 0.4+0.15+0.15+0.5+0.4+0.4=2.0m										
	RMVC 19										
	CH572.50	588.362	585.012	584.812			3.55				
	CH586.50	588.650	585.050	584.850			3.80	3.675			
	Item No. 3 :- Excavation for foundation/pipe trenches in slush etc complete.										
	(a) For Lift 0 to 1.5m	1			11.10	2.000	0.000	0.000	674.363	674.363	
	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			11.10	2.000	1.500	33.300	9792.589	9825.889	
	(b) For Lift 1.5m to 3.0m	1			11.10	1.600	1.500	26.640	4168.150	4194.790	
	(c) For Lift 3.0m to 4.5m	1			11.10	1.200	0.675	8.991	393.658	402.649	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.10	1.200	0.200	2.664	1174.478	1177.142	
	Item No. : 11 Transportation of earth Transportation charges including							5.300	1630.310	1635.610	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			12.5			12.500	800.000	812.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							68.931			
	Deduction										
	pipe area	1		0.785	11.10	0.550	0.550	2.64			
	soling							0.00			
	PCC							0.00			
	Murum bedding							2.66			
	Total = B							5.30			
					Net Qty = A - B			63.63	27572.882	27636.513	
	RMVC 20										
	CH586.50	588.650	585.050	584.850			3.80				
	CH628.00	588.510	585.110	584.910			3.60	3.700			
	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			38.60	2.000	1.500	115.800	9825.889	9941.689	
	(b) For Lift 1.5m to 3.0m	1			38.60	1.600	1.500	92.640	4194.790	4287.430	
	(c) For Lift 3.0m to 4.5m	1			38.60	1.200	0.700	32.424	402.649	435.073	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			38.60	1.200	0.200	9.264	1177.142	1186.406	
	Item No. : 11 Transportation of earth Transportation charges including							18.430	1635.610	1654.040	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			40.0			40.000	812.500	852.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							240.864			
	Deduction										



12

K Sewer 9th RA (C) Reliance Mall to Vijaya-400mm

Date	Particulars of work	DETAILS					Content of area	Last measurement		TOTAL TO DATE	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	pipe area	1		0.785	38.60	0.550	0.550	9.17			
	soling							0.00			
	PCC							0.00			
	Murum bedding							9.26			
	Total = B							18.43			
								Net Qty = A - B			
								222.43	27636.513	27858.947	
	RMVC 21										
	CH628.00	588.510	585.110	584.910			3.60	3.600			
	CH652.00	588.540	585.140	584.940			3.60				
	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			21.10	2.000	1.500	63.300	9941.689	10004.989	
	(b) For Lift 1.5m to 3.0m	1			21.10	1.600	1.500	50.640	4287.430	4338.070	
	(c) For Lift 3.0m to 4.5m	1			21.10	1.200	0.600	15.192	435.073	450.265	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			21.10	1.200	0.200	5.064	1186.406	1191.470	
	Item No. : 11 Transportation of earth Transportation charges including							10.074	1654.040	1664.114	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			22.5			22.500	852.500	875.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							129.132			
	Deduction										
	pipe area	1		0.785	21.10	0.550	0.550	5.01			
	soling							0.00			
	PCC							0.00			
	Murum bedding							5.06			
	Total = B							10.07			
								Net Qty = A - B	119.06	27858.947	27978.004
	RMVC 22										
	CH652.00	588.540	585.140	584.940			3.60	3.600			
	CH686.00	588.570	585.170	584.970			3.60				
	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			31.10	2.000	1.500	93.300	10004.989	10098.289	
	(b) For Lift 1.5m to 3.0m	1			31.10	1.600	1.500	74.640	4338.070	4412.710	
	(c) For Lift 3.0m to 4.5m	1			31.10	1.200	0.600	22.392	450.265	472.657	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			31.10	1.200	0.200	7.464	1191.470	1198.934	
	Item No. : 11 Transportation of earth Transportation charges including							14.849	1664.114	1678.963	
	Item No.17 (a) :- Lowering & Laying RCC NP3 class pipe of 400mm Dia	1			32.5			32.500	875.000	907.500	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							190.332			
	Deduction										
	pipe area	1		0.785	31.10	0.550	0.550	7.39			
	soling							0.00			
	PCC							0.00			
	Murum bedding							7.46			
	Total = B							14.85			
								Net Qty = A - B	175.48	27978.004	28153.487
	RMVC 23										
	CH686.00	588.570	585.170	584.970			3.60				



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1

K Sewer 9th RA (C) 1.2m MH Excavation

9th R A BILL MEASUREMENTS
Main K Sewer at Malhar 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 1.20m dia Manhole (upto a depth of 0.0m to 2.0m)- 1.20*0.73+0.23*0.5+0.5=2.66m Breadth for Manhole=2.66*2.66=7.075m KSV 1 CH 13.75	579.245	576.430	576.180			3.065				
	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	0.950	5.276	0.000	5.276	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.200	1.111	0.000	1.111	
	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	0.400	2.222	0.000	2.222	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.600	3.332	0.000	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	0.000	0.833	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.700	3.888	0.000	3.888	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(c) For Lift 3.0m to 4.5m	1			0.785	7.075	0.065	0.361	0.000	0.361	
	Item No. - 11 Transportation of earth Transportation charges							4.546	0.000	4.546	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation:-							17.023			
	Deduction										
	Brick work	1		0.785	1.310	1.310	2.815	3.792			
								0.000			
	PCC	1		0.785	1.960	1.960	0.250	0.754			
	Soling	1		0.785	1.960	1.960	0.000	0.000			
								4.546			
									0.000	12.477	
	KSV 2							12.477	0.000	12.477	
	CH 49.75	579.135	576.690	576.440			2.695				
	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	1.300	7.220	5.276	12.496	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	1.100	6.109	1.111	7.220	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.095	0.528	3.332	3.860	
	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	0.200	1.111	0.833	1.944	



12

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

Book No. :- 014
Page No. :-

5 K Sewer 9th RA (C) 1.2m MH Excavation

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	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	0.100	0.555		3.888	4.443
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.600	3.332		3.860	7.192
	(c) For Lift 3.0m to 4.5m	1			0.785	7.075	0.285	1.583		0.000	1.583
	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	0.100	0.555		6.942	7.498
	Item No. : 11 Transportation of earth Transportation charges							4.842		32.422	37.264
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							18.244			
	Deduction										
	Brick work	1		0.785	1.310	1.310	3.035	4.089			
								0.000			
	PCC	1		0.785	1.960	1.960	0.250	0.754			
	Soling	1		0.785	1.960	1.960	0.000	0.000			
								4.842			
	Net Qty = A - B							13.402		87.486	100.888
	KSV 10										
	CH 229.25	581.645	578.720	578.470			3.175				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.100	0.555		63.036	63.592
	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	1.150	6.387		4.443	10.830
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	1.500	8.331		7.192	15.523
	(c) For Lift 3.0m to 4.5m	1			0.785	7.075	0.175	0.972		1.583	2.555
	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	0.250	1.388		7.498	8.886
	Item No. : 11 Transportation of earth Transportation charges							4.694		37.264	41.959
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=-							17.634			
	Deduction										
	Brick work	1		0.785	1.310	1.310	2.925	3.940			
								0.000			
	PCC	1		0.785	1.960	1.960	0.250	0.754			
	Soling	1		0.785	1.960	1.960	0.000	0.000			
								4.694			
	Net Qty = A - B							12.939		100.888	113.828
	K 114.13. 22										
	1.2 Mtr. Dia. BBM Manhole at Kabara Nagar										
	CH 524.25	579.395	577.945	577.695			1.700				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.000	5.554		63.592	69.146



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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

6

K Sewer 9th RA (C) 1.2m MH Excavation

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. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.500	2.777	10.830	13.607	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.200	1.111	15.523	16.634	
	Item No. : 11 Transportation of earth Transportation charges							2.707	41.959	44.666	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							9.442			
	Deduction										
	Brick work	1			0.785	1.310	1.310	1.953			
								0.000			
	PCC	1			0.785	1.960	1.960	0.754			
	Soling	1			0.785	1.960	1.960	0.000			
								2.707			
	Net Qty = A - B							6.734	113.828	120.562	
	K 114.13. 23										
	CH 544.75	579.732	578.082	577.832			1.900				
	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	1.000	5.554	69.146	74.700	
	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	0.500	2.777	13.607	16.384	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.400	2.222	16.634	18.855	
	Item No. : 11 Transportation of earth Transportation charges							2.977	44.666	47.642	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							10.552			
	Deduction										
	Brick work	1			0.785	1.310	1.310	2.223			
								0.000			
	PCC	1			0.785	1.960	1.960	0.754			
	Soling	1			0.785	1.960	1.960	0.000			
								2.977			
	Net Qty = A - B							7.576	120.562	128.138	
	K 114.13. 24										
	CH 568.25	580.032	578.182	577.932			2.100				
	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	1.000	5.554	74.700	80.253	
	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	0.500	2.777	16.384	19.161	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.600	3.332	18.855	22.188	
	Item No. : 11 Transportation of earth Transportation charges							3.246	47.642	50.889	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							11.663			
	Deduction										



12

Measurement Book

016

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. :-

7

K Sewer 9th RA (C) 1.2m MH Excavation

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Brick work	1		0.785	1.310	1.310	1.850	2.492			
								0.000			
	PCC	1		0.785	1.960	1.960	0.250	0.754			
	Soling	1		0.785	1.960	1.960	0.000	0.000			
								3.246			
		Net Qty = A - B							8.417	128.138	136.555
	K 114.13.25										
	CH 614.25	580.188	578.338	578.088			2.100				
	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	1.000	5.554	80.253	85.807	
	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	0.500	2.777	19.161	21.938	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.600	3.332	22.188	25.520	
	Item No. : 11 Transportation of earth Transportation charges							3.246	50.889	54.135	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							11.663			
	Deduction										
	Brick work	1	*	0.785	1.310	1.310	1.850	2.492			
								0.000			
	PCC	1		0.785	1.960	1.960	0.250	0.754			
	Soling	1		0.785	1.960	1.960	0.000	0.000			
								3.246			
		Net Qty = A - B							8.417	136.555	144.972
	K 114.13.21.1										
	CH 14.25	579.300	578.510	578.260			1.040				
	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	1.040	5.776	85.807	91.583	
	Item No. : 11 Transportation of earth Transportation charges							1.818	54.135	55.953	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.776			
	Deduction										
	Brick work	1		0.785	1.310	1.310	0.790	1.064			
								0.000			
	PCC	1		0.785	1.960	1.960	0.250	0.754			
	Soling	1		0.785	1.960	1.960	0.000	0.000			
								1.818			
		Net Qty = A - B							3.958	144.972	148.930
	K 114.13.27.1										
	CH 6.25	580.950	580.350	580.100			0.850				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.850	4.721	91.583	96.304	
	Item No. : 11 Transportation of earth Transportation charges							1.562	55.953	57.515	



12

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. :-

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

8

K Sewer 9th RA (C) 1.2m MH Excavation

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						4.721				
	Deduction										
	Brick work	1		0.785	1.310	1.310	0.600	0.808			
								0.000			
	PCC	1		0.785	1.960	1.960	0.250	0.754			
	Soling	1		0.785	1.960	1.960	0.000	0.000			
								1.562			
								3.159	148.930	152.088	
	Net Qty = A - B										
	K 114.13. 28.1										
	CH 6.25	579.950	579.250	579.000			0.950				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.950	5.276	96.304	101.580	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.000	0.000	50.096	50.096	
	(c) For Lift 3.0m to 4.5m	1			0.785	7.075	0.000	0.000	0.056	0.056	
	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	0.000	0.000	21.938	21.938	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.000	0.000	25.520	25.520	
	(c) For Lift 3.0m to 4.5m	1			0.785	7.075	0.000	0.000	2.555	2.555	
	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	0.000	0.000	8.886	8.886	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.000	0.000	3.888	3.888	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(c) For Lift 3.0m to 4.5m	1			0.785	7.075	0.000	0.000	0.361	0.361	
	Item No. : 11 Transportation of earth Transportation charges							1.697	57.515	59.212	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.276			
	Deduction										
	Brick work	1		0.785	1.310	1.310	0.700	0.943			
								0.000			
	PCC	1		0.785	1.960	1.960	0.250	0.754			
	Soling	1		0.785	1.960	1.960	0.000	0.000			
								1.697			
	Net Qty = A - B							3.579	152.088	155.667	



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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, Zalia, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalia, Ward

Book No. :-

Page No. :-

018

1

K Sewer 9th RA (C) 1.5m MH BBM Exvn

9th RA BILL MEASUREMENTS (Excavation of Manhole)

SEWER "K"

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	K Sewer-700mm Dia (Darga Chowk to Sutgirani)										
	Excavation of Chamber - For 1.50m dia Manhole (upto a depth of 2.0m to 5.0m)- 1.50+0.35+0.35+0.5+0.5=3.20m										
	Breadth for Manhole=3.2*3.2=10.24m										
	K 120	574.090	569.020	568.570			5.520				
	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	10.240	0.550	4.421	101.580	106.001	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.800	6.431	50.096	56.527	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.800	6.431	21.938	28.369	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.700	5.627	25.520	31.147	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.900	7.235	2.555	9.789	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206	8.886	10.092	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.300	2.412	0.000	2.412	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.300	2.412	0.361	2.773	
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	1.020	8.199	0.000	8.199	
	Item No. :- 11 Transportation of earth Transportation charges							18.603	59.212	77.815	
	Item No. 30 :- Refilling the excavated trenches										
	Total Excavations:-							44.372			
	Deductions:-										
	Brick work	1			0.785	2.280	2.280	3.070	12.528		
		1			0.785	1.540	1.540	2.000	3.723		
	ROC	1			0.785	2.580	2.580	0.250	1.306		
	Soiling	1			0.785	2.580	2.580	0.200	1.045		
								18.603			
								25.769	155.667	181.437	
	K 121	574.710	570.130	569.680			5.030				
	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	10.240	0.550	4.421	106.001	110.423	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.800	6.431	56.527	62.957	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.800	6.431	28.369	34.799	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.700	5.627	31.147	36.774	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.500	12.058	9.789	21.847	
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	0.462	3.714	0.000	3.714	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206	10.092	11.298	



12

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 GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

Book No. :-
Page No. :-

027

3

K Sewer 9th RA (C) 1.5m MH BBM Exvn

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Up to Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation:-						43.327				
	Deduction										
	Brick work	1		0.785	2.280	2.280	2.940	11.997			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.200	1.045			
							18.072				
							Net Qty = A - B	25.255	229.817	255.071	
	K 127	579.400	574.785	574.335			5.065				
	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	10.240	0.700	5.627	121.676	127.303	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.600	4.823	46.053	50.876	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058	57.674	69.731	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.000	8.038	41.943	49.981	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.200	1.608	12.905	14.513	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.500	4.019	6.431	10.450	
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	0.565	4.542	7.154	11.696	
	Item No. : 11 Transportation of earth Transportation charges							16.746	130.399	147.145	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation:-						40.714				
	Deduction										
	Brick work	1		0.785	2.280	2.280	2.615	10.671			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.200	1.045			
							16.746				
							Net Qty = A - B	23.969	255.071	279.040	
	K 128	580.485	575.560	575.110			5.375				
	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	10.240	0.800	6.431	127.303	133.734	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.700	5.627	66.173	71.800	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.500	4.019	50.876	54.895	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.800	6.431	69.731	76.162	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.300	2.412	49.981	52.393	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.200	1.608	14.513	16.121	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.600	4.823	10.450	15.273	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.600	4.823	2.773	7.596	
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	0.875	7.034	8.199	15.233	



12

5

K Sewer 9th RA (C) 1.5m MH 88M Exvn

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Up Date Quantit	
		No			L	B		D	Page		Quantity
		GL	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	10.240	0.400	3.215		136.145	139.3
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	1.100	8.842		76.599	85.4
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		100.277	112.3
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.500	12.058		63.245	75.3
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	0.445	3.577		10.546	14.1
	Item No. : 11 Transportation of earth Transportation charges							16.256		191.180	207.4
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							39.750			
	Deduction										
	Brick work	1			0.785	2.280	2.280	2.495		10.181	
		1			0.785	1.540	1.540	2.000		3.723	
	PCC	1			0.785	2.580	2.580	0.250		1.306	
	Soling	1			0.785	2.580	2.580	0.200		1.045	
								16.256			
								23.494		344.930	368.4
	K 114. 29	580.120	576.406	575.956			4.164				
	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	10.240	1.000	8.038		139.361	147.3
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.500	4.019		85.441	89.4
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		112.335	124.3
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.164	9.357		75.302	84.6
	Item No. : 11 Transportation of earth Transportation charges							13.069		207.436	220.5
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							33.472			
	Deductions										
	Brick work	1			0.785	2.280	2.280	1.714		6.994	
		1			0.785	1.540	1.540	2.000		3.723	
	PCC	1			0.785	2.580	2.580	0.250		1.306	
	Soling	1			0.785	2.580	2.580	0.200		1.045	
								13.069			
								20.403		368.424	388.8
	K 114. 30	581.104	577.406	576.956			4.148				
	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	10.240	1.000	8.038		147.399	155.4
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.500	4.019		89.460	93.4
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		124.392	136.4
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.148	9.228		84.659	93.8
	Item No. : 11 Transportation of earth Transportation charges							13.004		220.505	233.5



12

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upt. Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						33.343				
	Deduction										
	Brick work	1		0.785	2.280	2.280	1.698	6.929			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.200	1.045			
								13.004			
								20.339	388.826	409.166	
	K RMV 1	585.450	581.825	581.375			4.075	At Reliance Mall to Vijay Chowk 600Dia.			
	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	10.240	1.050	8.440	155.438	163.878	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.200	9.646	71.800	81.446	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.300	2.412	93.480	95.891	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.300	2.412	136.450	138.861	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.075	8.641	93.887	102.528	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206	16.121	17.327	
	Item No. : 11 Transportation of earth Transportation charges							12.706	233.509	246.215	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							32.756			
	Deduction										
	Brick work	1		0.785	2.280	2.280	1.625	6.631			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.200	1.045			
								12.706			
								20.050	409.166	429.216	
	K RMV 2	586.110	581.915	581.465			4.645				
	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	10.240	1.050	8.440	163.878	172.318	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058	81.446	93.503	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.110	0.884	0.056	0.940	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.300	2.412	95.891	98.303	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.390	11.173	102.528	113.702	
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	0.145	1.166	14.123	15.289	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206	17.327	18.532	
	Item No. : 11 Transportation of earth Transportation charges							15.032	246.215	261.247	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							37.338			
	Deduction										



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

Book No. :-
Page No. :-

024

7

K Sewer 9th RA (C) 1.5m MH 88M Exvn

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Brick work	1		0.785	2.280	2.280	2.195	8.957			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.200	1.045			
								15.032			
		Net Qty = A - B						22.306		429.216	451.523
	K RMV 3	586.340	581.965	581.515			4.825				
	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	10.240	1.000	8.038	172.318	180.357	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.050	8.440	93.503	101.944	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.350	2.813	98.303	101.116	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.450	3.617	138.861	142.479	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.500	12.058	113.702	125.759	
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	0.327	2.629	15.289	17.918	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206	18.532	19.738	
	Item No. : 11 Transportation of earth Transportation charges							15.767	261.247	277.014	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							38.801			
	Deduction										
	Brick work	1		0.785	2.280	2.280	2.375	9.692			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.200	1.045			
								15.767			
		Net Qty = A - B						23.035		451.523	474.557
	K RMV 4	587.270	582.700	582.250			5.020				
	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	10.240	1.000	8.038	180.357	188.395	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.620	4.984	101.944	106.927	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.350	2.813	101.116	103.929	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.880	7.074	142.479	149.553	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.500	12.058	125.759	137.817	
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	0.520	4.180	17.918	22.098	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206	19.738	20.944	
	Item No. : 11 Transportation of earth Transportation charges							16.562	277.014	293.576	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							40.353			
	Deduction										
	Brick work	1		0.785	2.280	2.280	2.570	10.488			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			



12

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. :- 025
Page No. :-

8

K Sewer 9th RA (C) 1.5m MH BBM Exvn

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	1		0.785	2.580	2.580	0.200	1.045			
								16.562			
		Net Qty = A - B						23.790		474.557	498.348
	K RMV 5	588.400	584.260	583.810			4.590				
	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	10.240	1.200	9.646		188.395	198.041
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		103.929	105.135
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		149.553	161.610
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.500	12.058		137.817	149.875
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	0.090	0.723		22.098	22.821
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		20.944	22.150
	Item No. : 11 Transportation of earth Transportation charges							14.808		293.576	308.384
	Item No. 30 :- Refilling the excavated trenches --										
	Total Excavation=							36.896			
	Deduction										
	Brick work	1		0.785	2.280	2.280	2.140	8.733			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.200	1.045			
								14.808			
		Net Qty = A - B						22.089		498.348	520.437
	K RMV 6	588.320	584.320	583.870			4.450				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	1.200	9.646		198.041	207.687
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		105.135	106.341
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		161.610	173.668
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.450	11.656		149.875	161.530
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		22.150	23.355
	Item No. : 11 Transportation of earth Transportation charges							14.236		308.384	322.620
	Item No. 30 :- Refilling the excavated trenches --										
	Total Excavation=							35.771			
	Deduction										
	Brick work	1		0.785	2.280	2.280	2.000	8.161			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.200	1.045			
								14.236			
		Net Qty = A - B						21.535		520.437	541.971
	K RMV 7	588.915	584.865	584.415			4.500				



12

Name of work:- 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. :-

027

10

K Sewer 9th RA (C) 1.5m MH BBM Exvn

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		108.753	109.958
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		197.783	209.841
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.500	12.058		185.645	197.703
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	0.950	7.636		28.046	35.682
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		25.767	26.973
	Item No. : 11 Transportation of earth Transportation charges							18.317		354.153	372.470
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							43.809			
	Deduction										
	Brick work	1			0.785	2.280	2.280	3.000		12.242	
		1			0.785	1.540	1.540	2.000		3.723	
	PCC	1			0.785	2.580	2.580	0.250		1.306	
	Soling	1			0.785	2.580	2.580	0.200		1.045	
								18.317			
								25.492		588.009	613.501
	K RMV 10	591.260	585.760	585.310			5.950				
	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	10.240	1.200	9.646		236.625	246.272
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		109.958	111.164
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		209.841	221.898
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.500	12.058		197.703	209.761
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	1.450	11.656		35.682	47.338
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		26.973	28.178
	Item No. : 11 Transportation of earth Transportation charges							20.357		372.470	392.827
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							47.828			
	Deduction										
	Brick work	1			0.785	2.280	2.280	3.500		14.283	
		1			0.785	1.540	1.540	2.000		3.723	
	PCC	1			0.785	2.580	2.580	0.250		1.306	
	Soling	1			0.785	2.580	2.580	0.200		1.045	
								20.357			
								27.471		613.501	640.972
	K RMV 11	591.553	586.253	585.803			5.750				
	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	10.240	1.200	9.646		246.272	255.918
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		111.164	112.370
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		221.898	233.956



12

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

Book No. :-

Page No. :-

11

K Sewer 9th RA (C) 1.5m MH B9M Exvn

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.500	12.058		209.761	221.818
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	1.250	10.048		47.338	57.386
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		28.178	29.384
	Item No. 11 Transportation of earth Transportation charges							19.541		392.827	412.369
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							46.221			
	Deduction										
	Brick work	1		0.785	2.280	2.280	3.300	13.466			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.200	1.045			
								19.541			
								26.680		640.972	667.652
	K RMV 12	591.640	586.340	585.890			5.750				
	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	10.240	1.200	9.646		255.918	265.564
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		112.370	113.576
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		233.956	246.013
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.500	12.058		221.818	233.876
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	1.250	10.048		57.386	67.434
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		29.384	30.590
	Item No. 11 Transportation of earth Transportation charges							19.541		412.369	431.910
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							46.221			
	Deduction										
	Brick work	1		0.785	2.280	2.280	3.300	13.466			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.200	1.045			
								19.541			
								26.680		667.652	694.331
	K RMV 13	592.536	586.436	585.986			6.550				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	1.200	9.646		265.564	275.210
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		113.576	114.781
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		246.013	258.071
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.500	12.058		233.876	245.933
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	1.500	12.058		67.434	79.492
	Extra Item:- For Lift 6.0m to 7.5m	1			0.785	10.240	0.550	4.421		0.000	4.421



17

Name of work:- Devlopment 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. :-

031

14

K Sewer 9th RA (C) 1.5m MH BBM Exvn

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Up to Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges							17.501		518.706	536.206
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							42.202			
	Deduction										
	Brick work	1		0.785	2.280	2.280	2.800	11.426			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.200	1.045			
								17.501			
								Net Qty = A - B			
	K RMV 18	592.225	587.925	587.475			4.750	24.701	809.420	834.121	
	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	10.240	1.200	9.645		313.794	323.440
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		119.604	120.810
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		306.301	318.359
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.500	12.058		294.164	306.221
	(d) For Lift 4.5m to 6.0m	1			0.785	10.240	0.250	2.010		117.272	119.282
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		36.619	37.824
	Item No. : 11 Transportation of earth Transportation charges							15.460		536.206	551.667
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							38.182			
	Deduction										
	Brick work	1		0.785	2.280	2.280	2.300	9.386			
		1		0.785	1.540	1.540	2.000	3.723			
	PCC	1		0.785	2.580	2.580	0.250	1.306			
	Soling	1		0.785	2.580	2.580	0.200	1.045			
								15.460			
								Net Qty = A - B			
	K RMV 19	591.818	588.018	587.568			4.250	22.722	834.121	856.842	
	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	10.240	1.200	9.645		323.440	333.086
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		120.810	122.016
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		318.359	330.417
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	1.250	10.048		306.221	316.269
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		37.824	39.030
	Item No. : 11 Transportation of earth Transportation charges							13.420		551.667	565.087
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							34.163			
	Deduction										



12

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. :- **C34**
Page No. :-

17

K Sewer 9th RA (C) 1.5m MH BBM Exvn

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. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	1.500	12.058		388.551	400.609
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		143.100	155.158
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.850	6.833		22.643	29.476
	Item No. : 11 Transportation of earth Transportation charges							11.788		627.903	639.691
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							30.948			
	Deduction										
	Brick work	1			0.785	2.280	2.280	1.400		5.713	
		1			0.785	1.540	1.540	2.000		3.723	
	PCC	1			0.785	2.580	2.580	0.250		1.306	
	Soling	1			0.785	2.580	2.580	0.200		1.045	
								11.788			
								11.788			
								19.160		977.145	996.305
	RMVC 23	588.570	585.170	584.720				3.850			
	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	10.240	1.500	12.058		400.609	412.666
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		155.158	167.215
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.850	6.833		29.476	36.309
	Item No. : 11 Transportation of earth Transportation charges							11.788		639.691	651.479
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							30.948			
	Deduction										
	Brick work	1			0.785	2.280	2.280	1.400		5.713	
		1			0.785	1.540	1.540	2.000		3.723	
	PCC	1			0.785	2.580	2.580	0.250		1.306	
	Soling	1			0.785	2.580	2.580	0.200		1.045	
								11.788			
								11.788			
								19.160		996.305	1015.465
	RMVC 24	588.490	585.190	584.740				3.750			
	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	10.240	1.500	12.058		412.666	424.724
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058		167.215	179.273
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.750	6.029		36.309	42.338
	Item No. : 11 Transportation of earth Transportation charges							11.380		651.479	662.858
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							30.144			
	Deduction										
	Brick work	1			0.785	2.280	2.280	1.300		5.305	
		1			0.785	1.540	1.540	2.000		3.723	
	PCC	1			0.785	2.580	2.580	0.250		1.306	
	Soling	1			0.785	2.580	2.580	0.200		1.045	
								11.380			
								11.380			
								18.764		1015.465	1034.230
	RMVC 25	588.510	585.210	584.760				3.750			



12

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 Ahmednagar City.

Book No. :-

Page No. :-

035

18

K Sewer 9th RA (C) 1.5m MH 8BM Exvn

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. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	1.500	12.058			
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058	424.724	436.782	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.750	6.029	179.273	191.331	
	Item No. : 11 Transportation of earth Transportation charges							11.380	42.338	48.366	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							30.144			
	Deduction										
	Brick work	1			0.785	2.280	2.280	1.300	5.305		
		1			0.785	1.540	1.540	2.000	3.723		
	PCC	1			0.785	2.580	2.580	0.250	1.306		
	Soling	1			0.785	2.580	2.580	0.200	1.045		
								11.380			
								18.764	1034.230	1052.994	
	RMVC 26	588.230	585.230	584.780			3.450				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	1.500	12.058	436.782	448.839	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058	191.331	203.388	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.450	3.617	48.366	51.984	
	Item No. : 11 Transportation of earth Transportation charges							10.156	674.238	684.394	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							27.732			
	Deduction										
	Brick work	1			0.785	2.280	2.280	1.000	4.081		
		1			0.785	1.540	1.540	2.000	3.723		
	PCC	1			0.785	2.580	2.580	0.250	1.306		
	Soling	1			0.785	2.580	2.580	0.200	1.045		
								10.156			
								17.577	1052.994	1070.571	
	RMVC 27	588.650	585.250	584.800			3.850				
	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	10.240	1.500	12.058	448.839	460.897	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.500	12.058	203.388	215.446	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.820	6.591	51.984	58.575	
	Item No. : 11 Transportation of earth Transportation charges							11.788	684.394	696.181	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							30.707			
	Deduction										
	Brick work	1			0.785	2.280	2.280	1.400	5.713		
		1			0.785	1.540	1.540	2.000	3.723		
	PCC	1			0.785	2.580	2.580	0.250	1.306		
	Soling	1			0.785	2.580	2.580	0.200	1.045		
								11.788			
								18.919	1070.571	1089.490	
	K 114.13. 1	571.778	569.478	569.028			2.750				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										



12

K Sewer 9th RA (C) 1.5m MH BBM Exrn

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Up Date Quantity
		No			L	B	D		Page	Quantity	
		GL	HL	EXL							
	(a) For Lift 0 to 1.5m	1			0.785	10.240	1.200	9.646			
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.800	6.431			
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.								460.897	470.5	
	(a) For Lift 0 to 1.5m	1							215.446	221.87	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.150	1.206		124.427	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.				0.785	10.240	0.450	3.617		354.532	
	(a) For Lift 0 to 1.5m	1									
	Item No. : 11 Transportation of earth Transportation charges				0.785	10.240	0.150	1.206		41.442	
	Item No. 30 :- Refilling the excavated trenches ...							7.299		696.181	
	Total Excavation=										
	Deduction										
	Brick work	1						22.106			
	POC	1		0.785	2.280	2.290	0.300	1.224			
	Soling	1		0.785	1.540	1.540	2.000	3.723			
		1		0.785	2.580	2.580	0.250	1.306			
				0.785	2.580	2.580	0.200	1.045			
	K 114.13.2							7.299			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.	572.359	569.559	569.109				14.807		1089.490	
	(a) For Lift 0 to 1.5m	1					3.250			1104.296	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.200	9.646		470.543	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.				0.785	10.240	1.000	8.038		221.877	
	(a) For Lift 0 to 1.5m	1								229.915	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.150	1.206		125.633	
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.500	4.019		358.149	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.				0.785	10.240	0.250	2.010		336.365	
	(a) For Lift 0 to 1.5m	1								338.375	
	Item No. : 11 Transportation of earth Transportation charges				0.785	10.240	0.150	1.206		42.647	
	Item No. 30 :- Refilling the excavated trenches ...							9.339		703.480	
	Total Excavation=									712.820	
	Deduction										
	Brick work	1						26.125			
	POC	1		0.785	2.280	2.280	0.800	3.265			
	Soling	1		0.785	1.540	1.540	2.000	3.723			
		1		0.785	2.580	2.580	0.250	1.306			
				0.785	2.580	2.580	0.200	1.045			
	K 114.13.3							9.339			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.	573.146	569.846	569.396				16.785		1104.296	
	(a) For Lift 0 to 1.5m	1					3.750			1121.082	
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.200	9.646		480.189	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.									489.835	
	(a) For Lift 0 to 1.5m	1									
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.150	1.206		126.839	
					0.785	10.240	1.500	12.058		362.168	



12

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 GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Up to Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	(c) For Lift 3.0m to 4.5m	1			0.785	10.240	0.750	6.029		338.375	344.404
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		43.853	45.059
	Item No. : 11 Transportation of earth Transportation charges							11.380		712.820	724.200
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							30.144			
	Deduction										
	Brick work	1			0.785	2.280	2.280	1.300	5.305		
		1			0.785	1.540	1.540	2.000	3.723		
	PCC	1			0.785	2.580	2.580	0.250	1.306		
	Soling	1			0.785	2.580	2.580	0.200	1.045		
								11.380			
								18.764		1121.082	1139.846
	Net Qty = A - B										
	K 114.13. 4	572.452	570.152	569.702			2.750				
	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	10.240	1.200	9.645		489.835	499.481
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		128.045	129.250
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.500	4.019		374.226	378.245
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		45.059	46.265
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.750	6.029		3.888	9.917
	Item No. : 11 Transportation of earth Transportation charges							7.299		724.200	731.499
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							22.106			
	Deduction										
	Brick work	1			0.785	2.280	2.280	0.300	1.224		
		1			0.785	1.540	1.540	2.000	3.723		
	PCC	1			0.785	2.580	2.580	0.250	1.306		
	Soling	1			0.785	2.580	2.580	0.200	1.045		
								7.299			
	Net Qty = A - B							14.807		1139.846	1154.653
	K 114.13. 5	573.146	570.645	570.195			2.951				
	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	10.240	1.200	9.645		499.481	509.127
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		129.250	130.456
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	1.000	8.038		378.245	386.283
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	10.240	0.150	1.206		46.265	47.471
	(b) For Lift 1.5m to 3.0m	1			0.785	10.240	0.451	3.625		9.917	13.542
	Item No. : 11 Transportation of earth Transportation charges							8.119		731.499	739.618



16