



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :-

Page No. :- 169

Page 5 of 12

B Sewer-RCC 1.5m MH-10th

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
		Net Qty = A - B						9.429		105.080	114.510
	B 65										
	CH8454.15	569.010	566.548	566.198			2.812				
	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	8.410	0.300	1.981	62.222	64.203	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	1.200	7.922	46.510	54.432	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.312	8.662	66.019	74.680	
	Item No. : 11 Transportation of earth Transportation charges							8.506	97.410	105.916	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							18.564			
	Deduction										
	Wall	1			0.785	1.900	1.900	2.462	6.977		
	Raft	1			0.785	2.300	2.300	0.250	1.038		
	PCC	1			0.785	2.500	2.500	0.100	0.491		
								8.506			
		Net Qty = A - B						10.059		114.510	124.568
	B 66										
	CH8505.65	570.230	567.115	566.765			3.465				
	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	8.410	0.300	1.981	64.203	66.184	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.400	2.641	4.489	7.130	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.800	5.281	54.432	59.714	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.500	9.903	74.680	84.583	
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.465	3.070	7.064	10.134	
	Item No. : 11 Transportation of earth Transportation charges							10.356	105.916	116.272	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							22.875			
	Deduction										
	Wall	1			0.785	1.900	1.900	3.115	8.827		
	Raft	1			0.785	2.300	2.300	0.250	1.038		
	PCC	1			0.785	2.500	2.500	0.100	0.491		
								10.356			
		Net Qty = A - B						12.519		124.568	137.087
	B 67										
	CH8532.15	570.325	568.430	568.080			2.245				
	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	8.410	0.300	1.981	66.184	68.164	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	1.200	7.922	59.714	67.636	



B. K. Pardeshi
Sectional Engineer



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :-
Page No. :- 170

Page 6 of 12

B Sewer-RCC 1.5m MH-10th

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No							Page	Quantity	
		GL	IL	EX.L	L	B	D				
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.745	4.918		84.583	89.501
	Item No. : 11 Transportation of earth Transportation charges							6.899		116.272	123.171
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							14.821			
	Deduction										
	Wall	1			0.785	1.900	1.900	1.895	5.370		
	Raft	1			0.785	2.300	2.300	0.250	1.038		
	PCC	1			0.785	2.500	2.500	0.100	0.491		
								6.899			
								Net Qty = A - B	7.922	137.087	145.010
	B 68										
	CH8566.15	571.695	569.510	569.160				2.535			
	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	8.410	0.100	0.660		68.164	68.824
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.300	1.981		7.130	9.111
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.360	2.377		5.612	7.988
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.740	4.885		67.636	72.521
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.035	6.833		89.501	96.334
	Item No. : 11 Transportation of earth Transportation charges							7.721		123.171	130.892
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							16.736			
	Deduction										
	Wall	1			0.785	1.900	1.900	2.185	6.192		
	Raft	1			0.785	2.300	2.300	0.250	1.038		
	PCC	1			0.785	2.500	2.500	0.100	0.491		
								7.721			
								Net Qty = A - B	9.015	145.010	154.025
	B68 A										
	CH8579.85	572.760	570.720	570.370				2.390			
	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	8.410	0.150	0.990		68.824	69.815
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.100	0.660		9.111	9.771
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.155	1.023		7.988	9.012
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	1.095	7.229		72.521	79.750



Handwritten signature

Handwritten signature



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :-

Page No. :- 171

Name

Auth

Page 7 of 12

B Sewer-RCC 1.5m MH-10th

Date of Measurement	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.890	5.876		96.334	102.210
	Item No. : 11 Transportation of earth Transportation charges							7.310		130.892	138.201
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							15.778			
	Deduction										
	Wall	1			0.785	1.900	1.900	2.040	5.781		
	Raft	1			0.785	2.300	2.300	0.250	1.038		
	PCC	1			0.785	2.500	2.500	0.100	0.491		
								7.310			
								Net Qty = A - B	8.469	154.025	162.493
	B 69										
	CH8596.15	575.685	573.940	573.590				2.095			
	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	8.410	0.350	2.311		69.815	72.125
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.800	5.281		9.771	15.052
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.350	2.311		9.012	11.322
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.595	3.928		102.210	106.138
	Item No. : 11 Transportation of earth Transportation charges							6.474		138.201	144.675
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							13.831			
	Deduction										
	Wall	1			0.785	1.900	1.900	1.745	4.945		
	Raft	1			0.785	2.300	2.300	0.250	1.038		
	PCC	1			0.785	2.500	2.500	0.100	0.491		
								6.474			
								Net Qty = A - B	7.357	162.493	169.850
	B 70										
	CH8630.15	576.315	574.060	573.710				2.605			
	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	8.410	1.030	6.800		72.125	78.925
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.470	3.103		15.052	18.155
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.330	2.179		2.641	4.819
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.775	5.116		106.138	111.254
	Item No. : 11 Transportation of earth Transportation charges							7.919		144.675	152.594
	Item No. 30 :- Refilling the excavated trenches ...										



Handwritten signature

Handwritten signature



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :- **172**
Page No. :-

Page 8 of 12

B Sewer-RCC 1.5m MH-10th

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	Total Excavation=							17.198			
	Deduction										
	Wall	1		0.785	1.900	1.900	2.255	6.390			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								7.919			
								9.279	169.850	179.129	
	B 71										
	CH8661.65	577.865	574.460	574.110			3.755				
	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	8.410	0.300	1.981	78.925	80.906	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	1.200	7.922	18.155	26.077	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.475	9.738	4.819	14.557	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.025	0.165	2.641	2.806	
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.475	3.136	0.000	3.136	
	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	8.410	0.280	1.849	10.134	11.982	
	Item No. : 11 Transportation of earth Transportation charges							11.178	152.594	163.772	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							24.790			
	Deduction										
	Wall	1		0.785	1.900	1.900	3.405	9.649			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								11.178			
								13.612	179.129	192.741	
	B 72										
	CH8693.15	579.600	574.975	574.625			4.975				
	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	8.410	0.200	1.320	80.906	82.226	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	1.300	8.582	26.077	34.660	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.500	9.903	14.557	24.460	
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.210	1.386	0.000	1.386	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.500	3.301	3.136	6.437	
	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	8.410	0.790	5.215	11.982	17.198	
	(d) For Lift 4.5m to 6.0m	1			0.785	8.410	0.475	3.136	0.000	3.136	



Start



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :- **173**
Page No. :-

Nat
Aut

Page 9 of 12

B Sewer-RCC 1.5m MH-10th

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						14.635		163.772	178.408	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						32.044				
	Deduction										
	Wall	1		0.785	1.900	1.900	4.625		13.107		
	Raft	1		0.785	2.300	2.300	0.250		1.038		
	PCC	1		0.785	2.500	2.500	0.100		0.491		
							14.635				
	Net Qty = A - B						18.209		192.741	210.950	
	B 73										
	CH8754.65	578.445	575.580	575.230			3.215				
	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	8.410	1.300		8.582	90.808	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.200		1.320	35.980	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.045		6.899	31.359	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.455		3.004	5.810	
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.215		1.419	7.856	
	Item No. : 11 Transportation of earth Transportation charges						9.648		178.408	188.055	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						21.225				
	Deduction										
	Wall	1		0.785	1.900	1.900	2.865		8.119		
	Raft	1		0.785	2.300	2.300	0.250		1.038		
	PCC	1		0.785	2.500	2.500	0.100		0.491		
							9.648				
	Net Qty = A - B						11.577		210.950	222.527	
	B 74										
	CH8806.15	578.960	576.050	575.700			3.260				
	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	8.410	0.400		2.641	90.808	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.800		5.281	16.604	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.300		1.981	81.731	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.500		9.903	121.157	
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.260		1.716	18.914	
	Item No. : 11 Transportation of earth Transportation charges						9.775		188.055	197.831	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						21.522				
	Deduction										



Handwritten signature

Handwritten signature



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ah. 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. :-

174

Page 10 of 12

B Sewer-RCC 1.5m MH-10th

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No							Page	Quantity	
		GL	IL	EX.L	L	B	D				
	Wall	1		0.785	1.900	1.900	2.910	8.247			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								9.775			
	B 75	Net Qty = A - B									
	CH8875.15	579.925	577.146	576.796			3.129		222.527	234.274	
	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	8.410	0.200	1.320	93.449	94.770	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.300	1.981	16.604	18.584	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	1.000	6.602	81.731	88.333	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.500	9.903	121.157	131.060	
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.129	0.852	18.914	19.766	
	Item No. : 11 Transportation of earth Transportation charges							9.404	197.831	207.235	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							20.657			
	Deduction										
	Wall	1		0.785	1.900	1.900	2.779	7.875			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								9.404			
	B 76	Net Qty = A - B								234.274	245.527
	CH8926.65	581.335	577.920	577.570			3.765				
	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	8.410	0.100	0.660	94.770	95.430	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.300	1.981	18.584	20.566	
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	1.100	7.262	88.333	95.595	
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.500	9.903	131.060	140.963	
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.765	5.050	19.766	24.816	
	Item No. : 11 Transportation of earth Transportation charges							11.206	207.235	218.441	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							24.856			
	Deduction										
	Wall	1		0.785	1.900	1.900	3.415	9.678			
	Raft	1		0.785	2.300	2.300	0.250	1.038			
	PCC	1		0.785	2.500	2.500	0.100	0.491			
								11.206			
	B 77	Net Qty = A - B								245.527	259.176



B. K. Pardeshi
 Sectional Engineer



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :- **176**
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

Page 12 of 12

B Sewer-RCC 1.5m MH-10th

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	8.410	1.500	9.903		105.993	115.895
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.220	1.452		17.429	18.881
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.000	0.000		35.980	35.980
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	1.280	8.450		35.980	44.430
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.250	1.650		1.386	3.037
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.000	0.000		24.526	24.526
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.000	0.000		7.790	7.790
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.000	0.000		7.856	7.856
	ITEM No. 5 :- Excavation for foundation / pipe trenches in laterite rock masses etc complete										
	(a) For Lift 0 to 1.5m	1			0.785	8.410	0.000	0.000		100.876	100.876
	(b) For Lift 1.5m to 3.0m	1			0.785	8.410	0.000	0.000		151.460	151.460
	(c) For Lift 3.0m to 4.5m	1			0.785	8.410	0.000	0.000		33.366	33.366
	(d) For Lift 4.5m to 6.0m	1			0.785	8.410	0.000	0.000		3.136	3.136
	Item No. : 11 Transportation of earth Transportation charges							9.747		240.188	249.935
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							21.456			
	Deduction										
	Wall	1			0.785	1.900	1.900	2.900		8.218	
	Raft	1			0.785	2.300	2.300	0.250		1.038	
	PCC	1			0.785	2.500	2.500	0.100		0.491	
								9.747			
	Net Qty = A - B							11.709		285.590	297.299



B. G. Pardeshi
Sectional Engineer



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :-

Page No. **177**

Page 1 of 2

B Sewer-MANHOLE (2)

14th RA BILL MEASUREMENTS

Sewer "B"

A	Dia-1800MM								
---	------------	--	--	--	--	--	--	--	--

Item No. : 24 Providing and constructing on sewer .R.C.C circular manhole 2.5 m dia and up to a depth of 9 M

Sr.No.	Reference (MB no. & Page no.)	Chainage	MH No	MTL	IL	Depth	Depth Difference than 9 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1			B 34	552.675	546.125	6.55	-2.45	-2.45	-4.90

A	900mm/800mm Dia of Pipe(From B37 Scrapper to near panchakdd)								
---	--	--	--	--	--	--	--	--	--

Item No. : 22 Providing and constructing on sewer. R.C.C circular manhole 2.2 m dia and up to a depth of 5 M

Sr.No.	Reference (MB no. & Page no.)	Chainage	MH No	MTL	IL	Depth	Depth Difference than 5 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1		6596.55	B 38	554.765	549.790	4.975	-0.03		
2		6708.45	B 39	556.750	550.650	6.100	1.10		
3		6792.95	B 40	557.320	551.020	6.300	1.30		
4		6864.95	B 41	558.010	551.510	6.500	1.50		
5		6956.85	B 42	558.670	552.220	6.450	1.45		
6		7058.85	B 43	559.040	552.550	6.490	1.49		
7		7125.85	B 44	559.540	553.040	6.500	1.50		
8		7180.25	B 45	560.225	553.725	6.500	1.50		
9		7262.15	B 46	560.340	554.340	6.000	1.00		
10		7324.05	B 47	560.895	554.995	5.900	0.90		
11		7363.45	B 48	560.610	555.620	4.990	-0.01	14.98	29.950
12		7390.35	B 49	561.435	556.455	4.980	-0.02		
13		7442.25	B 50	562.320	557.520	4.800	-0.20		
14		7481.65	B 50.1	562.720	557.620	5.100	0.10		
		7577.60/							
15		7562.15	B 51	563.150	558.220	4.930	-0.07		
16		7626.55	B 52	564.025	559.035	4.990	-0.01		
17		7710.95	B 53	565.270	559.470	5.800	0.80		
18		7807.85	B 54	565.855	559.795	6.060	1.06		
19		7899.75	B 55	566.235	560.435	5.800	0.80		
20		7994.15	B 56	566.965	561.155	5.810	0.81		
									29.950

B	Near Mahemood Masjid Gate (800mm/600mm Junction)								
---	--	--	--	--	--	--	--	--	--

Extra Item No. 1: Construction of RCC circular Manhole of 1.5m dia & 3.5m depth

Sr.No.	Reference (MB no. & Page no.)	Chainage	MH No	MTL	IL	Depth	Depth Difference than 3.5 m	Total Difference	Rebate/Add for Excess height (per 50 cm)
1		8016.15	B 57	566.035	561.185	4.85	1.35		
2		8110.95	B 58	566.585	561.585	5.00	1.50		
3		8183.95	B 59	568.035	563.035	5.00	1.50		
4		8235.15	B59A	568.055	563.155	4.90	1.40		
		8292.65/							
5		8194.15	B 60	568.605	563.655	4.95	1.45		
6		8255.65	B 61	569.815	564.165	5.65	2.15		
7		8314.65	B 62	570.710	565.010	5.70	2.20		
8		8358.65	B 63	571.450	565.700	5.75	2.25		
9		8412.65	B 64	572.050	566.350	5.70	2.20		
10		8454.15	B 65	572.348	566.548	5.80	2.30		
11		8505.65	B 66	572.365	567.115	5.25	1.75		
12		8532.15	B 67	573.180	568.430	4.75	1.25		



Handwritten Signature
A. Parveshi
 Sectional Engineer





AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :-
Page No. :- **179**

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

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

1 of 1

B Sewer, Pipe Incasing(2)

11th R A BILL MEASUREMENTS

Sewer B Pipe Incasing

SR.NO.	Description of Item	UNIT	Nos.	L	B	D	Quantity
Pipe Incasing at Makal Gate-600mm Dia of Pipe Line.							
1	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						
		cum	1	32.000	1.200	1.500	57.600
	deduction(-)	cum	0.785	32.000	0.770	0.770	14.894
	TOTAL=						42.706



Pardeshi
B. K. Pardeshi
Sectional Engineer



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ah. 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. :-

Page No. :- **187**

Page 1 of 2

B Sewer-Dewatering

12th R A BILL MEASUREMENTS

Sewer B

Sr.No.	Date	Pump Capacity in Hp	No.of Pumps	Time		Total Hrs	Bhp/Hr
				From	To		
800mm Dia- Near Mahemood Masjid Gate							
1	03/06/2016	10	1	8:30	10:30	2:00	20:00:00
		10	1	11:15	13:15	2:00	20:00:00
		10	1	16:15	17:15	1:00	10:00:00
2	04/06/2016	10	1	8:00	10:00	2:00	20:00:00
		10	1	12:00	13:30	1:30	15:00:00
		10	1	14:30	16:00	1:30	15:00:00
		10	1	17:00	18:00	1:00	10:00:00
3	06/06/2016	10	1	9:00	11:00	2:00	20:00:00
		10	1	12:30	13:30	1:00	10:00:00
		10	1	14:45	15:45	1:00	10:00:00
		10	1	17:15	18:15	1:00	10:00:00
4	07/06/2016	10	1	9:00	11:00	2:00	20:00:00
		10	1	12:30	14:30	2:00	20:00:00
		10	1	16:00	17:30	1:30	15:00:00
5	08/06/2016	10	1	8:30	10:30	2:00	20:00:00
		10	1	11:15	12:45	1:30	15:00:00
		10	1	13:30	14:45	1:15	12:30:00
		10	1	16:00	17:00	1:00	10:00:00
6	09/06/2016	10	1	9:00	11:30	2:30	25:00:00
		10	1	13:00	14:30	1:30	15:00:00
		10	1	15:30	17:30	2:00	20:00:00
7	10/06/2016	10	1	9:00	11:30	2:30	25:00:00
		10	1	9:30	12:00	2:30	25:00:00
		10	1	13:00	14:00	1:00	10:00:00
		10	1	15:30	17:00	1:30	15:00:00
9	11/06/2016	10	1	8:30	10:30	2:00	20:00:00
		10	1	11:30	13:00	1:30	15:00:00
		10	1	14:30	16:00	1:30	15:00:00
10	13/06/2016	10	1	8:45	11:45	3:00	30:00:00
		10	1	13:00	14:30	1:30	15:00:00
		10	1	16:00	17:30	1:30	15:00:00
11	14/06/2016	10	1	8:00	11:00	3:00	30:00:00
		10	1	12:30	13:15	0:45	7:30:00
		10	1	14:30	16:30	2:00	20:00:00
12	15/06/2016	10	1	8:30	10:30	2:00	20:00:00
		10	1	11:30	12:30	1:00	10:00:00
		10	1	13:30	15:30	2:00	20:00:00
13	16/06/2016	10	1	9:00	11:00	2:00	20:00:00
		10	1	12:30	13:45	1:15	12:30:00



B. K. Parideshi
Sectional Engineer



AURANGABAD MUNICIPAL CORPORATION.
(From No.52)

Measurement Book

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

Book No. :- **182**
Page No. :-

1 of 3

B Sewer, Disposal qty up to 11th RA
11th RA BILL MEASUREMENTS

B Sewer

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.										
SR.NO.	Particulars of work	UNIT	DETAILS							
			Chainage From	Chainage to	NO	L	B	D	QTY	Total Qty. Of Disposal
A	Laying in 5th RA									
1	1800 mm Dia		6154.950	6487.050						
1.1	Pipe volume	Cum			0.785	332.10	2.180	2.180	1238.94	
1.2	Murrum bedding	Cum				332.10	3.060	0.200	203.25	1442.19
2	900 mm Dia		6487.500	7262.150						
1.1	Pipe volume	Cum			0.785	774.65	1.100	1.100	735.80	
1.2	Murrum bedding	Cum				774.65	1.800	0.200	278.87	1014.68
3	500 mm Dia		11190.000	11474.600						
1.1	Pipe volume	Cum			0.785	284.60	0.650	0.650	94.39	
1.2	Murrum bedding	Cum				284.60	1.300	0.200	74.00	168.39
4	500 mm Dia		12402.700	12588.400						
1.1	Pipe volume	Cum			0.785	185.70	0.650	0.650	61.59	
1.2	Murrum bedding	Cum				185.70	1.300	0.200	48.28	109.87
5	400 mm Dia		12870.000	13400.700						
1.1	Pipe volume	Cum			0.785	530.70	0.550	0.550	126.02	
1.2	Murrum bedding	Cum				530.70	1.200	0.200	127.37	253.39
6	400 mm Dia		13418.700	13592.300						
1.1	Pipe volume	Cum			0.785	173.60	0.550	0.550	41.22	
1.2	Murrum bedding	Cum				173.60	1.200	0.200	41.66	82.89
B	Laying in 6th RA									
1	1800 mm Dia		2792.950	3560.000						
1.1	Pipe volume	Cum			0.785	767.05	2.180	2.180	2861.58	
1.2	Murrum bedding	Cum				767.05	3.060	0.200	469.43	3331.02
2	800 mm Dia		7562.150	7994.150						
1.1	Pipe volume	Cum			0.785	432.00	0.990	0.990	332.37	
1.2	Murrum bedding	Cum				432.00	1.680	0.200	145.15	477.52
3	500 mm Dia		0.000	575.700						
1.1	Pipe volume	Cum			0.785	575.70	0.650	0.650	190.94	
1.2	Murrum bedding	Cum				575.70	1.300	0.200	149.68	340.62
4	400 mm Dia		13592.300	14231.700						
1.1	Pipe volume	Cum			0.785	639.40	0.550	0.550	151.83	
1.2	Murrum bedding	Cum				639.40	1.200	0.200	153.46	305.29



B. K. Parleshi
B. K. Parleshi
Sectional Engineer



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :-

Page No. :-

183

Name

Auth

2 of 3

B Sewer, Disposal qty up to 11th RA

SR.NO.	Particulars of work	UNIT	DETAILS							
			Chainage From	Chainage to	NO	L	B	D	QTY	Total Qty. Of Disposal
C Laying in 7th RA										
1	1800 mm Dia		120.000	1000.600						
1.1	Pipe volume	Cum			0.785	880.60	2.180	2.180	3285.20	
1.2	Murrun bedding	Cum				880.60	3.060	0.200	538.93	3824.12
2	1800 mm Dia		1571.000	2125.700						
1.1	Pipe volume	Cum			0.785	554.70	2.180	2.180	2069.38	
1.2	Murrun bedding	Cum				554.70	3.060	0.200	339.48	2408.86
3	1800 mm Dia		2205.700	2494.100						
1.1	Pipe volume	Cum			0.785	288.40	2.180	2.180	1075.91	
1.2	Murrun bedding	Cum				288.40	3.060	0.200	176.50	1252.42
4	1800 mm Dia		2497.000	2656.200						
1.1	Pipe volume	Cum			0.785	159.20	2.180	2.180	593.92	
1.2	Murrun bedding	Cum				159.20	3.060	0.200	97.43	691.35
5	1800 mm Dia		6055.350	6154.950						
1.1	Pipe volume	Cum			0.785	99.60	2.180	2.180	371.57	
1.2	Murrun bedding	Cum				99.60	3.060	0.200	60.96	432.53
6	800 mm Dia		7262.150	7577.600						
1.1	Pipe volume	Cum			0.785	315.45	0.990	0.990	242.70	
1.2	Murrun bedding	Cum				315.45	1.680	0.200	105.99	348.69
7	500 mm Dia		12039.600	12270.000						
1.1	Pipe volume	Cum			0.785	230.40	0.650	0.650	76.42	
1.2	Murrun bedding	Cum				230.40	1.300	0.200	59.90	136.32
8	400 mm Dia		14231.700	14481.500						
1.1	Pipe volume	Cum			0.785	249.80	0.550	0.550	59.32	
1.2	Murrun bedding	Cum				249.80	1.200	0.200	59.95	119.27
D	30% Disposal Qty Remaining (7th RA)									8489.632338
	Release 30% Disposal Qty.									2546.89
E Laying in 9th RA										
1	1800 mm Dia		1000.600	1402.550						
1.1	Pipe volume	Cum			0.785	401.95	2.180	2.180	1499.53	
1.2	Murrun bedding	Cum				401.95	3.060	0.200	245.99	1745.52
2	1800 mm Dia		2125.700	2207.800						
1.1	Pipe volume	Cum			0.785	82.10	2.180	2.180	306.29	
1.2	Murrun bedding	Cum				82.10	3.060	0.200	50.25	356.53
3	1800 mm Dia		2417.000	2494.100						
1.1	Pipe volume	Cum			0.785	77.10	2.180	2.180	287.63	
1.2	Murrun bedding	Cum				77.10	3.060	0.200	47.19	334.82



Spndr

[Signature]



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :- **184**
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

SR.NO.	Particulars of work	UNIT	DETAILS								
			Chainage From	Chainage to	NO	L	B	D	QTY	Total Qty. Or Disposal	
4	1800 mm Dia		2656.200	2835.400							
1.1	Pipe volume	Cum			0.785	179.20	2.180	2.180	668.53		
1.2	Murrum bedding	Cum				179.20	3.060	0.200	109.67		778.20
5	600 mm Dia		8194.150	8566.150							
1.1	Pipe volume	Cum			0.785	372.00	0.770	0.770	173.14		
1.2	Murrum bedding	Cum				372.00	1.440	0.200	107.14		280.27
6	600 mm Dia		8596.150	8926.650							
1.1	Pipe volume	Cum			0.785	330.50	0.770	0.770	153.82		
1.2	Murrum bedding	Cum				330.50	1.440	0.200	95.18		249.01
7	600 mm Dia		9126.650	10182.650							
1.1	Pipe volume	Cum			0.785	1056.00	0.770	0.770	491.49		
1.2	Murrum bedding	Cum				1056.00	1.440	0.200	304.13		795.62
8	500 mm Dia		10182.650	10518.650							
1.1	Pipe volume	Cum			0.785	336.00	0.650	0.650	111.44		
1.2	Murrum bedding	Cum				336.00	1.300	0.200	87.36		198.80
9	500 mm Dia		10877.700	11190.000							
1.1	Pipe volume	Cum			0.785	312.30	0.650	0.650	103.58		
1.2	Murrum bedding	Cum				312.30	1.300	0.200	81.20		184.78
10	500 mm Dia		11535.000	12039.600							
1.1	Pipe volume	Cum			0.785	504.60	0.650	0.650	167.36		
1.2	Murrum bedding	Cum				504.60	1.300	0.200	131.20		298.55
11	500 mm Dia		575.600	727.300							
1.1	Pipe volume	Cum			0.785	151.70	0.650	0.650	50.31		
1.2	Murrum bedding	Cum				151.70	1.300	0.200	39.44		89.76
12	400 mm Dia		14521.500	15190.100							
1.1	Pipe volume	Cum			0.785	668.60	0.550	0.550	158.77		
1.2	Murrum bedding	Cum				668.60	1.200	0.200	160.46		319.23
Total										Cum	24917.38



B. K. Pardeshi
B. K. Pardeshi
Sectional Engineer

AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Book No. :- **186**
Page No. :-

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 and STP for Aurangabad.

Name of Agent Authority No.

Date of Measurement	
1	

2 of 2

B Sewer Quantity Node Abstract

12th R A BILL MEASUREMENTS

Sewer 'B'

SR NO	Description	MB/PG	ITEM 17				ITEM 22 upto 5 m	ITEM 24 5-9 m	ITEM 24.1 Rebate	ITEM 30	EIRL 1 3.5m	EIRL 1.a Rebate
			400mm	500mm	600mm	800mm						
1	For Pipe		208.000	459.800	242.000	294.250	42.500		5,654.71			
2	For Manhole	42.706						(4.900)	297.299	28.000	102.000	
	Total	42.706	208.000	459.800	242.000	294.250	42.500	-4.900	5952.008	28.000	102.000	



S. J. Patil
B. K. Patil
Sectional Engineer

[Signature]

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