



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

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Sindhi colony-2(Balaji Nagar) SW Pipe, Measurment Line

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.954	9.945	10.898	
	Extra Item No.9.2 (d):- Lowering & Laying of SW pipe of 250mm Dia	1			7.500			7.500	78.000	85.500	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.309			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	7.000	0.270	0.270	0.401			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.553			
								0.954			
								4.355	56.559	60.914	
	Net Qty = A - B										
	SIN12 TO SIN13										
	CH95.40	589.240	588.340	588.240			1.000	1.000			
	CH104.20	589.380	588.480	588.380			1.000				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.800	0.790	1.000	5.372	69.169	74.541	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.400	0.790	0.100	0.585	6.320	6.905	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.008	10.898	11.906	
	Extra Item No.9.2 (d):- Lowering & Laying of SW pipe of 250mm Dia	1			7.900			7.900	85.500	93.400	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.372			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	7.400	0.270	0.270	0.423			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.585			
								1.008			
	Net Qty = A - B							4.364	60.914	65.278	
	SIN13 TO SIN14										
	CH104.20	589.380	588.480	588.380			1.000	0.975			
	CH115.40	589.710	588.860	588.760			0.950				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.200	0.790	0.975	7.086	74.541	81.628	



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Sindhi colony-2(Balaji Nagar) SW Pipe Chamber Meas.

11th RA BILL MEASUREMENTS SW CHAMBER SINDHI COLONY-02(Near Balaji Mangal Karyalaya)

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	H.	EX.L							
	Excavation of Chamber - For 0.9 Dia. chamber up to Depth of 1.5 mt.- 0.9+0.5+0.3+0.3=2.0m For Area = 2 * 2=4m										
	SIN1										
	CH10.00	588.920	588.040	587.790			1.130				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.130	3.548	0.000	3.548	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.407	0.000	1.407	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.548			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.880	0.930			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.407			
								Net Qty = A - B			
								2.141	0.000	2.141	
	SIN2										
	CH12.10	589.000	587.960	587.710			1.290				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.290	4.051	3.548	7.599	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.576	1.407	2.983	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.051			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.040	1.099			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.576			
								Net Qty = A - B			
								2.474	2.141	4.616	
	SIN3										
	CH17.30	588.890	587.880	587.630			1.260				
	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	4.000	1.260	3.956	7.599	11.555	



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Sindhi colony-2(Balaji Nagar) SW Pipe Chamber Meas.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement Page	Quantity	Total Upto Date Quantity
		No			L	B	D				
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.544		2.983	4.528
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.956			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.010	1.067			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.544			
	Net Qty = A - B							2.412		4.616	7.027
	SIN4										
	CH22.90	588.855	587.670	587.420			1.435				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.435	4.506		11.555	16.061
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.729		4.528	6.257
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.506			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.185	1.252			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.729			
	Net Qty = A - B							2.777		7.027	9.804
	SIN5										
	CH31.30	588.190	587.110	586.860			1.330				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.330	4.176		16.061	20.237
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.618		6.257	7.875
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.176			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.080	1.141			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.618			
	Net Qty = A - B							2.558		9.804	12.362
	SIN6										
	CH42.10	588.070	586.900	586.650			1.420				



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Sindhi colony-2(Balaji Nagar) SW Pipe Chamber Meas.

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	4.000	1.420	4.459	20.237	24.696	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.713	7.875	9.589	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.459			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.170	1.236			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.713			
		Net Qty = A - B									
								2.745	12.362	15.107	
	SIN7										
	CH50.30	588.000	586.610	586.360			1.640				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710	24.696	29.406	
	(b) For Lift 1.5 to 3.0m *	1			0.785	4.000	0.140	0.440	0.000	0.440	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.946	9.589	11.535	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.150			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.390	1.468			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.946			
		Net Qty = A - B									
								3.204	15.107	18.311	
	SIN8										
	CH56.80	588.100	586.820	586.570			1.530				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710	29.406	34.116	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.030	0.094	0.440	0.534	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.830	11.535	13.364	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.804			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.280	1.352			



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Sindhi colony-2(Balaji Nagar) SW Pipe Chamber Meas.

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										
	PCC	1.00		0.785	1.560	1.560	0.250	0.000			
	Murum bedding							0.478			
	Total (B)							0.000			
								1.830			
								2.975	18.311	21.286	
	Net Qty = A - B										
	SIN9										
	CH67.10	588.390	587.160	586.910			1.480				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.330	4.176	34.116	38.292	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.000	0.471	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.777	13.364	15.141	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.647			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.230	1.299			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.777			
								2.870	21.286	24.156	
	Net Qty = A - B										
	SIN10										
	CH73.30	588.730	587.395	587.145			1.585				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.350	4.239	38.292	42.531	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.085	0.267	0.534	0.801	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471	0.471	0.942	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.888	15.141	17.029	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.977			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.335	1.410			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.888			
								3.089	24.156	27.245	
	Net Qty = A - B										
	SIN11										



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Sindhi colony-2(Balaji Nagar) SW Pipe Chamber Meas.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
CH87.00		589.120	588.120	587.870			1.250				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.100	3.454		42.531	45.985
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		0.942	1.413
	Item No. : 11 Transportation of earth Transportation charges including loading & Item No. 30 :- Refilling the excavated trenches ...							1.534		17.029	18.563
	Total Excavation(A)=							3.925			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.000	1.056			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.534			
								Net Qty = A - B		27.245	29.636
	SIN12										
CH95.40		589.240	588.340	588.090			1.150				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.000	3.140		45.985	49.125
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.150	0.471		1.413	1.884
	Item No. : 11 Transportation of earth Transportation charges including loading & Item No. 30 :- Refilling the excavated trenches ...							1.428		18.563	19.991
	Total Excavation(A)=							3.611			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.900	0.951			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.428			
								Net Qty = A - B		29.636	31.819
	SIN13										
CH104.20		589.380	588.480	588.230			1.150				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.150	3.611		49.125	52.736



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

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

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Sindhi colony-2(Balaji Nagar) SW Pipe CHEMBER

11th RA BILL CHEMBER DETAILS SINDHI COLONY(BALAJI NAGAR)

SR NO	CHEMBER NUMBER	CHAINAGE	DETAILS			Rebate up to Depth of 1.5		Total Rebate Qty for 30 cm
			No			For per 30 cm		
			GL	IL	DEPTH			
SINDHI COLONY-02(Near Balaji Mangal Karyalaya)								
A	Extra Item No.2:- Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete							
1	SIN1	CH0.00	588.920	588.040	0.880	1.5	-0.620	-17.67
2	SIN2	CH12.10	589.000	587.960	1.040	1.5	-0.460	
3	SIN3	CH17.30	588.890	587.880	1.010	1.5	-0.490	
4	SIN4	CH22.90	589.305	587.670	1.635	1.5	0.135	
5	SIN5	CH31.30	588.190	587.110	1.080	1.5	-0.420	
6	SIN6	CH42.10	588.070	586.900	1.170	1.5	-0.330	
7	SIN7	CH50.30	588.000	586.610	1.390	1.5	-0.110	
8	SIN8	CH56.80	588.100	586.820	1.280	1.5	-0.220	
9	SIN9	CH67.10	588.390	587.160	1.230	1.5	-0.270	
10	SIN10	CH73.30	588.730	587.395	1.335	1.5	-0.165	
11	SIN11	CH87.00	589.120	588.120	1.000	1.5	-0.500	
12	SIN12	CH95.40	589.240	588.340	0.900	1.5	-0.600	
13	SIN13	CH104.20	589.380	588.480	0.900	1.5	-0.600	
14	SIN14	CH115.40	589.710	588.860	0.850	1.5	-0.650	
		Total					-5.300	-17.67



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Trisharan Nagar Buddha Vihar - Measurement LINE

14th RA BILL MEASUREMENTS DWC PIPE TRISHARAN NAGAR BUDDHA NAGAR

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	DWC PIPE - 315 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.315+0.5=0.815m										
	For Lift 1.5 to 3.00m- 0.315+0.5+0.4= 1.215m										
	For Lift 3.0 to 4.5m- 0.315+0.5+0.4+0.4+=1.615m										
	FN 6 to FN 6.1	Branch From FN6 MH to Fule Nagar									
	CH0.00	565.110	563.930	563.830			1.280	1.210			
	CH10.90	565.090	564.050	563.950			1.140				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.900	0.815	0.910	6.601	0.000	6.601	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.900	0.815	0.200	1.451	0.000	1.451	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.900	0.815	0.100	0.725	0.000	0.725	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.500	0.815	0.100	0.774	0.000	0.774	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.514	0.000	1.514	
	Item No. 12 :- (d)Lowering & Laying of DWC pipe of 315mm Dia	1			10.00			10.000	0.000	10.000	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							8.777			
	Deduction of 315mm dia pipe										
	pipe area	1		0.785	9.50	0.315	0.315	0.740			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.774			
								1.514			
								Net Qty = A - B			
	FN 6.1 to FN 6.2							7.263	0.000	7.263	
	CH10.90	565.090	564.050	563.950			1.140	1.155			
	CH32.50	565.350	564.280	564.180			1.170				



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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

Book No. :-

088

Page No. :-

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Trisharan Nagar Buddha Vihar - Measurement LINE

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			19.600	0.750	1.095	16.097		6.601	22.697
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			19.600	0.750	0.060	0.882		1.451	2.333
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			20.200	0.750	0.100	1.515		0.774	2.289
	Item No. : 11 Transportation of earth Transportation charges							2.506		1.514	4.020
	Item No. 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia	1			20.70			20.700		0.000	20.700
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							16.979			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	20.20	0.250	0.250	0.991			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.515			
								2.506			
	Net Qty = A - B							14.472		7.263	21.735
	FN 6.2 to FN 6.3										
	CH32.50	565.350	564.280	564.180			1.170				
	CH38.70	565.490	564.390	564.290			1.200	1.185			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.200	0.750	1.125	3.544		22.697	26.241
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.200	0.750	0.060	0.189		2.333	2.522
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.800	0.750	0.100	0.360		2.289	2.649
	Item No. : 11 Transportation of earth Transportation charges							0.596		4.020	4.616
	Item No. 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia	1			5.30			5.300		20.700	26.000
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.733			



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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

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Trisharan Nagar Buddha Vihar - Measurment LINE

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	4.80	0.250	0.250	0.236			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.360			
								0.596			
		Net Qty = A - B						3.137	21.735	24.872	
	FN 6.3 to FN 6.4										
	CH38.70	565.490	564.390	564.290			1.200				
	CH43.70	565.590	564.570	564.470			1.120	1.160			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.000	0.750	1.100	2.475	26.241	28.716	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.000	0.750	0.060	0.135	2.522	2.657	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.600	0.750	0.100	0.270	2.649	2.919	
	Item No. : 11 Transportation of earth Transportation charges							0.447	4.616	5.062	
	Item No. 12 :- (c) Lowering & Laying of DWC pipe of 250mm Dia	1			4.10			4.100	26.000	30.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.610			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	3.60	0.250	0.250	0.177			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.270			
								0.447			
		Net Qty = A - B						2.163	24.872	27.036	
	FN 6.4 to FN 6.5										
	CH43.70	565.590	564.570	564.470			1.120				
	CH49.80	565.760	564.670	564.570			1.190	1.155			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.100	0.750	1.095	3.367	28.716	32.083	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.100	0.750	0.060	0.185	2.657	2.841	



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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 CIDCO (Airport).

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Trisharan Nagar Buddha Vihar - Measurment LINE

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.700	0.750	0.100	0.353		2.919	3.272
	Item No. : 11 Transportation of earth Transportation charges							0.583		5.062	5.646
	Item No. 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia	1			5.20			5.200		30.100	35.300
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.552			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	4.70	0.250	0.250	0.231			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.353			
								0.583			
								Net Qty = A - B		2.969	30.004
	FN 6.5 to FN 6.6										
	CH49.80	565.760	564.670	564.570			1.190	1.300			
	CH56.55	566.080	564.770	564.670			1.410				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.750	0.750	1.300	4.631		32.083	36.714
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.350	0.750	0.100	0.401		3.272	3.673
	Item No. : 11 Transportation of earth Transportation charges							0.664		5.646	6.309
	Item No. 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia	1			5.85			5.850		35.300	41.150
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.631			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	5.35	0.250	0.250	0.262			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.401			
								0.664			
								Net Qty = A - B		3.968	33.972
	FN 6.6 to FN 6.7										
	CH56.55	566.080	564.770	564.670			1.410	1.340			
	CH62.70	566.190	565.020	564.920			1.270				



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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

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Trisharan Nagar Buddha Vihar - Measurement LINE

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.150	0.750	1.340	4.171		36.714	40.885
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.750	0.750	0.100	0.356		3.673	4.029
	Item No. : 11 Transportation of earth Transportation charges							0.589		6.309	6.899
	Item No. 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia	1			5.25			5.250		41.150	46.400
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.171			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	4.75	0.250	0.250	0.233			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.356			
								0.589			
								Net Qty = A - B		33.972	37.553
	FN 6.7 to FN 6.8										
	CH62.70	566.190	565.020	564.920			1.270				
	CH67.10	566.290	565.120	565.020			1.270	1.270			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.400	0.750	1.270	2.286		40.885	43.171
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.000	0.750	0.100	0.225		4.029	4.254
	Item No. : 11 Transportation of earth Transportation charges							0.372		6.899	7.271
	Item No. 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia	1			3.50			3.500		46.400	49.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.286			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	3.00	0.250	0.250	0.147			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.225			
								0.372			
								Net Qty = A - B		37.553	39.467
	FN 6.8 to FN 6.9										



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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. 09 and CIDCO (Airport). Providing, lowering, laying, joining and testing rising main

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Trisharan Nagar Buddha Vihar - Measurment LINE

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	CH67.10	566.290	565.120	565.020			1.270				
	CH75.45	566.420	565.720	565.620			0.800	1.035			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.350	0.750	1.035	4.929		43.171	48.100
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.950	0.750	0.100	0.521		4.254	4.776
	Item No. : 11 Transportation of earth Transportation charges							0.862		7.271	8.133
	Item No. 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia	1			7.45			7.450		49.900	57.350
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.929			
	Deduction of 250mm dia pipe										
	pipe area	1		0.785	6.95	0.250	0.250	0.341			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.521			
								0.862			
								Net Qty = A - B		39.467	43.534
	FN 6.9 to FN 6.10							4.067			
	CH75.45	566.420	565.720	565.620			0.800				
	CH87.15	566.550	565.730	565.630			0.920	0.860			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			9.700	0.700	0.860	5.839		48.100	53.940
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			10.300	0.700	0.100	0.721		4.776	5.497
	Item No. : 11 Transportation of earth Transportation charges							1.044		8.133	9.177
	Item No. 12 :- (b)Lowering & Laying of DWC pipe of 200mm Dia	1			10.80			10.800		0.000	10.800
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.839			
	Deduction of 200mm dia pipe										
	pipe area	1		0.785	10.30	0.200	0.200	0.323			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.721			
								1.044			



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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

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Trisharan Nagar Buddha Vihar - Measurment LINE

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						4.795		43.534	48.329
	FN 6.10 to FN 6.11										
	CH87.15	566.550	565.730	565.630			0.920	1.010			
	CH97.15	567.040	566.040	565.940			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.000	0.700	1.010	5.656		53.940	59.596
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.600	0.700	0.100	0.602		5.497	6.099
	Item No. : 11 Transportation of earth Transportation charges							0.872		9.177	10.049
	Item No. 12 :- (b)Lowering & Laying of DWC pipe of 200mm Dia	1			9.10			9.100		10.800	19.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							5.656			
	Deduction of 200mm dia pipe										
	pipe area	1		0.785	8.60	0.200	0.200	0.270			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.602			
								0.872			
								4.784		48.329	53.113
	FN 6.11 to FN 6.12										
	CH97.15	567.040	566.040	565.940			1.100	1.210			
	CH104.30	567.310	566.090	565.990			1.320				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.150	0.700	1.210	4.362		59.596	63.958
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.750	0.700	0.100	0.403		6.099	6.501
	Item No. : 11 Transportation of earth Transportation charges							0.583		10.049	10.632
	Item No. 12 :- (b)Lowering & Laying of DWC pipe of 200mm Dia	1			6.25			6.250		19.900	26.150
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.362			
	Deduction of 200mm dia pipe										
	pipe area	1		0.785	5.75	0.200	0.200	0.181			
	soling							0.000			
	PCC							0.000			



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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 Nakshrawadi (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

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Trisharan Nagar Buddha Vihar - Measurement LINE

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B		D	Page	
	Murrum bedding						0.403			
							0.583			
		Net Qty = A - B						3.779	53.113	56.892
	FN 6.12 to FN 6.13									
	CH104.30	567.310	566.090	565.990			1.320			
	CH113.60	567.540	566.800	566.700			0.840			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			7.300	0.700	1.080	5.519	63.958	69.476
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.900	0.700	0.100	0.553	6.501	7.054
	Item No. : 11 Transportation of earth Transportation charges							0.801	10.632	11.434
	Item No. 12 :- (b)Lowering & Laying of DWC pipe of 200mm Dia	1			8.40			8.400	26.150	34.550
	Item No. 30 :- Refilling the excavated trenches ...							5.519		
	Total Excavation=									
	Deduction of 200mm dia pipe									
	pipe area	1		0.785	7.90	0.200	0.200	0.248		
	soling							0.000		
	PCC							0.000		
	Murrum bedding							0.553		
								0.801		
		Net Qty = A - B						4.718	56.892	61.610
	FN 6.2 to FN 6.2.1									
	CH0.00	565.090	564.050	563.950			1.140			
	CH5.60	565.100	564.200	564.100			1.000	1.070		
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.									
	(a) For Lift 0 to 1.5m	1			3.900	0.700	1.070	2.921	69.476	72.398
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.200	0.700	0.100	0.294	7.054	7.348
	Item No. : 11 Transportation of earth Transportation charges							0.426	11.434	11.859
	Item No. 12 :- (b)Lowering & Laying of DWC pipe of 200mm Dia	1			4.45			4.450	34.550	39.000
	Item No. 30 :- Refilling the excavated trenches ...							2.921		
	Total Excavation=									
	Deduction of 200mm dia pipe									
	pipe area	1		0.785	4.20	0.200	0.200	0.132		



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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.

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Trisharan Nagar Buddha Vihar - Measurement LINE

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										
	PCC						0.000				
	Murrum bedding						0.000				
							0.294				
							0.426				
		Net Qty = A - B						2.495	61.610	64.105	
	FN 6.2.1 to FN 6.2.2										
	CH0.00	565.090	564.050	563.950							
	CH6.00	565.100	564.200	564.100			1.140				
							1.000	1.070			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.300	0.700	1.070	3.221	72.398	75.618	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.300	0.700	0.000	0.000	2.841	2.841	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.300	0.700	0.000	0.000	0.725	0.725	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.600	0.700	0.100	0.322	7.348	7.670	
	Item No. : 11 Transportation of earth Transportation charges							0.466	11.859	12.326	
	Item No. 12 :- (b)Lowering & Laying of DWC pipe of 200mm Dia	1			4.85			4.850	39.000	43.850	
	Item No. 12 :- (c)Lowering & Laying of DWC pipe of 250mm Dia									57.350	
	Item No. 12 :- (d)Lowering & Laying of DWC pipe of 315mm Dia									10.000	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						3.221				
	Deduction of 200mm dia pipe area	1		0.785	4.60	0.200	0.200	0.144			
	soling						0.000				
	PCC						0.000				
	Murrum bedding						0.322				
							0.466				
		Net Qty = A - B						2.754	64.105	66.859	
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.10			0.10		0.10	



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Safim 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. 02 and CIDCO (Airport). Providing, lowering, laying, jointing and testing rising main

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Trisharan Nagar Buddha Vihar - Chamber

17th R A BILL MEASUREMENTS OF CHAMBERS TRISHARAN NAGAR BUDDHA NAGAR

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Excavation of Chamber - For 1.20 dia chamber (upto 2.0m depth)- 1.20+0.50+0.5+0.5=2.66m										
	Bredth for chamber upto 2m=2.66*2.66=7.075m										
	Excavation of Chamber - For 0.9 dia chamber up to 1.5 mt depth -0.9+0.5+0.3+0.3=2m										
	Bredth for chamber up to 1.5m=2 X 2=4m										
	FN 6.1										
	CH10.90	565.090	564.050	563.800			1.290				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.890	2.795	0.000	2.795	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	0.000	0.628	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.200	0.628	0.000	0.628	
	Item No. : 11 Transportation of earth Transportation charges							1.576	0.000	1.576	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.051			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.040	1.099			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.576			
	Net Qty = A - B							2.474	0.000	2.474	
	FN 6.2										
	CH32.50	565.350	564.280	564.030			1.320				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.260	3.956	2.795	6.751	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.060	0.188	0.628	0.816	



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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Trisharan Nagar Buddha Vihar - Chember

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							1.608		1.576	3.184
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.145			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.070	1.130			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.608			
				Net Qty = A - B				2.537		2.474	5.011
	FN 6.3										
	CH38.70	565.490	564.390	564.140			1.350				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.290	4.051		6.751	10.802
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.060	0.188		0.816	1.005
	Item No. : 11 Transportation of earth Transportation charges							1.640		3.184	4.823
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.239			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.100	1.162			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.640			
				Net Qty = A - B				2.599		5.011	7.611
	FN 6.4										
	CH43.70	565.590	564.570	564.320			1.270				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.210	3.799		10.802	14.601
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.060	0.188		1.005	1.193
	Item No. : 11 Transportation of earth Transportation charges							1.555		4.823	6.379
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.988			



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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

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Trisharan Nagar Buddha Vihar - Chember

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.020	1.077			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	Total (B)							1.555			
				Net Qty = A - B				2.433	7.611	10.044	
	FN 6.5										
	CH49.80	565.760	564.670	564.420			1.340				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.280	4.019	14.601	18.620	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.060	0.188	1.193	1.382	
	Item No. : 11 Transportation of earth Transportation charges							1.629	6.379	8.007	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.208			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.090	1.151			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	Total (B)							1.629			
				Net Qty = A - B				2.579	10.044	12.622	
	FN 6.6										
	CH56.55	566.080	564.770	564.520			1.560				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710	18.620	23.330	
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.060	0.188	0.000	0.188	
	Item No. : 11 Transportation of earth Transportation charges							1.861	8.007	9.869	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.898			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.310	1.384			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	Total (B)							1.861			
				Net Qty = A - B				3.037	12.622	15.659	
	FN 6.7										
	CH62.70	566.190	565.020	564.770			1.420				



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AURANGABAD MUNICIPAL CORPORATION.

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Trisharan Nagar Buddha Vihar - Chember

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			2.000	1.700	1.420	4.828		23.330	28.158
	Item No. : 11 Transportation of earth Transportation charges							2.322		9.869	12.191
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.828			
	Deduction										
	Brick work	1			1.400	1.100	1.170	1.802			
	soling							0.000			
	PCC	1			1.600	1.300	0.250	0.520			
	Murrum bedding							0.000			
	Total (B)							2.322			
		Net Qty = A - B								15.659	18.166
	FN 6.8										
	CH67.10	566.290	565.120	564.870			1.420				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.420	4.459		28.158	32.617
	Item No. : 11 Transportation of earth Transportation charges							1.713		12.191	13.904
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.459			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.170	1.236			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.713			
		Net Qty = A - B								18.166	20.911
	FN 6.9										
	CH75.45	566.420	565.720	565.470			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	4.000	0.950	2.983		32.617	35,600
	Item No. : 11 Transportation of earth Transportation charges							1.217		13.904	15,121
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.983			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.700	0.739			
	soling							0.000			



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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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Trisharan Nagar Buddha Vihar - Chember

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.217			
		Net Qty = A - B								20.911	22.677
	FN 6.10										
	CH87.15	566.550	565.730	565.480			1.070				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.070	3.360	35.600	38.960	
	Item No. : 11 Transportation of earth Transportation charges							1.344	15.121	16.465	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.360			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.820	0.866			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.344			
		Net Qty = A - B								22.677	24.693
	FN 6.11										
	CH97.15	567.040	566.040	565.790			1.250				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.250	3.925	38.960	42.885	
	Item No. : 11 Transportation of earth Transportation charges							1.534	16.465	17.999	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.925			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.000	1.056			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.534			
		Net Qty = A - B								24.693	27.084
	FN 6.12										
	CH104.30	567.310	566.090	565.840			1.470				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.470	4.616	42.885	47.501	
	Item No. : 11 Transportation of earth Transportation charges							1.766	17.999	19.765	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.616			



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