

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

Book No. :-
Page No. :-

001

Page 4

Manhole MB-Panchashil 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							
	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	0.640	2.010		11.430	13.439
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.550	1.727		10.362	12.089
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.471		8.612	10.082
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.737			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.16	1.16	0.940	0.99			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.47			
	Net Qty = A - B							2.27		13.18	15.45
	PN 8										
	CH83.90	584.870	583.630	583.380			1.490				
	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	0.940	2.952		13.439	16.391
	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	0.550	1.727		12.089	13.816
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.787		10.082	11.870
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.679			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.16	1.16	1.240	1.31			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.79			
	Net Qty = A - B							2.89		15.45	18.34
	PN 5/1R										
	CH11.30	584.120	583.340	583.090			1.030				



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

Book No. :-
Page No. :-

002

Manhole MB-Panchashil 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							
	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	0.480	1.507	16.391	17.898	
	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	0.550	1.727	13.816	15.543	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.302	11.870	13.171	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.234			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.16	1.16	0.780	0.82			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.30			
					Net Qty = A - B			1.93	18.34	20.27	
	PN 5/1L										
	CH15.35	584.620	583.420	583.170			1.450				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.900	2.826	17.898	20.724	
	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	0.550	1.727	15.543	17.270	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.745	13.171	14.916	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.553			
	Deduction of 250mm dia pipe										
	Brick work	1.00		0.785	1.16	1.16	1.200	1.27			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.75			
					Net Qty = A - B			2.81	20.27	23.08	
	PN 7/1										
	CH16.30	584.380	583.290	583.040			1.340				



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

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	0.790	2.481		20.724	23.205
	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	0.550	1.727		17.270	18.997
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km							1.629		14.916	16.545
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.208			
	Deduction of 250mm dia pipe										
	Brick work	1.00			0.785	1.16	1.16	1.090	1.15		
	soling								0.00		
	PCC	1.00			0.785	1.56	1.56	0.25	0.48		
	Murrum bedding								0.00		
	Total (B)							1.63			
		Net Qty = A - B							2.58	23.08	25.66
	PN 7/2										
	CH29.50	584.360	583.420	583.170			1.190				
	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	0.640	2.010		23.205	25.214
	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	0.550	1.727		18.997	20.724
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading excavated material for a lead beyond initial lead up to 10km							1.471		16.545	18.016
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.737			
	Deduction of 250mm dia pipe										
	Brick work	1.00			0.785	1.16	1.16	0.940	0.99		
	soling								0.00		
	PCC	1.00			0.785	1.56	1.56	0.25	0.48		
	Murrum bedding								0.00		
	Total (B)							1.47			
		Net Qty = A - B							2.27	25.66	27.92
	PN 7/3										



M

Page 1 of 1 Qty. Abstract Panchashil Nagar

QUANTITY ABSTRACT
PANCHSHIL NAGAR

SR NO	Discription	MB/PG	ITEM 1		ITEM 2		ITEM 7		ITEM 11		ITEM 12		ITEM 13		ITEM 30		ITEM 35		Extra Item 2		Extra Item 2.a	
			0-1.5	46.084	50.222	9.604	15.886	250mm	250mm	250mm	134.050	134.050	134.050	134.050	80.420	30.001	13.00	0-1.5 m	13.00	13.00	0-1.5 m	Rebate
1	For Pipe		26.941	22.451	9.604	15.886	134.050	134.050	134.050	134.050	134.050	134.050	134.050	80.420	30.001	13.00	13.00	13.00	13.00			
2	For Manhole		73.025	72.673	9.604	35.277	134.050	134.050	134.050	134.050	134.050	134.050	134.050	110.421	110.421	13.00	13.00	13.00	13.00			
	Total																					

CONTRACTOR



Authorized Signatory

PMC



Project Engineer

CLIENT



Jr. Engineer

Dy. Engineer

Ex. Engineer

Total up to Date

10

9th R A BILL MEASUREMENTS DWC PIPE BAGWAN FUNCTION HALL

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	DWC - 160 mm Dia										
	Width of Trench -										
	For Lift 0 to 1.50m-										
	0.16+0.5=0.66m										
	For Lift 1.5 to 3.00m-										
	0.160+0.5+0.4=1.06m										
	For Lift 3.0 to 4.5m-										
	0.160+0.5+0.4+0.4=1.460m										
	BF1 TO BF2										
	CH0.00	579.772	578.702	578.602			1.170	1.045			
	CH7.70	579.802	578.982	578.882			0.920				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.700	0.660	0.795	2.991	0.000	2.991	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			5.700	0.660	0.150	0.564	0.000	0.564	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			5.700	0.660	0.100	0.376	0.000	0.376	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
	(a) For Lift 0 to 1.5m	1			6.300	0.660	0.100	0.416	0.000	0.416	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.542	0.000	0.542	
	Extra Item No. :- Lowering & Laying of Polyethylene DWC pipe of 160mm Dia	1			6.800			6.800	0.000	6.800	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.931			
	Deduction										
	pipe area	1.00		0.785	6.300	0.160	0.160	0.13			
	soiling							0.00			
	PCC							0.00			
	Murrum bedding							0.42			
								0.54			
								3.39	0.00	3.39	
	BF2 TO BF3										
	CH7.70	579.802	578.982	578.882			0.920	0.909			
	CH11.70	579.800	579.002	578.902			0.898				
	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	0.660	0.659	0.870	2.991	3.861	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										



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Page 2

Pipe Lying MB Bagwan Function Hall

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			2.000	0.660	0.150	0.198		0.564	0.762
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	0.660	0.100	0.132		0.376	0.508
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.600	0.660	0.100	0.172		0.416	0.587
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.224		0.542	0.766
	Extra Item No. :- Lowering & Laying of Polyethylene DWC pipe of 160mm Dia	1			3.100			3.100		6.800	9.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.200			
	Deduction										
	pipe area	1.00		0.785	2.600	0.160	0.160	0.05			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.17			
								0.22			
										3.39	4.36
	Net Qty = A - B							0.98			
	BF3 TO BF4										
	CH11.70	579.800	579.002	578.902				0.898			
	CH13.40	579.702	579.022	578.922				0.780	0.839		
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.000	0.660	0.539	0.000		3.861	3.861
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.000	0.660	0.200	0.000		0.762	0.762
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.000	0.660	0.100	0.000		0.508	0.508
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.600	0.660	0.100	0.040		0.587	0.627
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.052		0.766	0.818
	Extra Item No. :- Lowering & Laying of Polyethylene DWC pipe of 160mm Dia	1			1.100			1.100		9.900	11.000
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.000			
	Deduction										
	pipe area	1.00		0.785	0.600	0.160	0.160	0.01			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.04			



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Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No II	EX.L	L	B		D	Page		Quantity
							0.05				
		Net Qty = A - B						-0.05		4.36	4.31
	BF4 TO BF5										
	CH13.40	579.702	579.022	578.922			0.780				
	CH15.55	579.802	579.052	578.952			0.850	0.815			
	Item No. 1 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			0.150	0.660	0.565	0.056		3.861	3.917
	Item No. 2 :- Excavation for foundation/pipe trenches in (a) For Lift 0 to 1.5m	1			0.150	0.660	0.150	0.015		0.762	0.777
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			0.150	0.660	0.100	0.010		0.508	0.518
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.750	0.660	0.100	0.050		0.627	0.677
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.065		0.818	0.882
	Extra Item No. :- Lowering & Laying of Polyethylene DWC pipe of 160mm Dia	1			1.250			1.250		11.000	12.250
	Item No. 30 :- Refilling the excavated trenches --										
	Total Excavation=							0.081			
	Deduction										
	pipe area	1.00		0.785	0.750	0.160	0.160	0.02			
	soling							0.00			
	PCC							0.00			
	Murum bedding							0.05			
								0.06			
		Net Qty = A - B						0.02		4.31	4.33
	BF5 TO BF6										
	CH15.55	579.802	579.052	578.952			0.850				
	CH19.05	579.920	579.120	579.020			0.900	0.875			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete. (a) For Lift 0 to 1.5m	1			1.500	0.660	0.625	0.619		3.917	4.535
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete. (a) For Lift 0 to 1.5m	1			1.500	0.660	0.150	0.149		0.777	0.926
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete. (a) For Lift 0 to 1.5m	1			1.500	0.660	0.100	0.099		0.518	0.617
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.100	0.660	0.100	0.139		0.677	0.815
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							0.181		0.882	1.063



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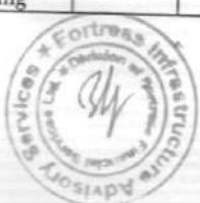
9th R A BILL MEASUREMENTS OF CHEMBERS BAGWAN FUNCTION HALL

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 0.9 dia chamber up to 1.5 mt depth - 0.9+0.5+0.3+0.3=2m										
	Area for chamber up to 1.5m=2 X 2=4m										
	BF1										
	CH0.00	579.772	578.702	578.452			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	1.070	3.360	0.000	3.360	
	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	0.000	0.471	
	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	0.100	0.314	0.000	0.314	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.608	0.000	1.608	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.145			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	1.070	1.13			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.61			
	Net Qty = A - B							2.54	0.00	2.54	
	BF2										
	CH7.70	579.802	578.982	578.732			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			0.785	4.000	0.820	2.575	3.360	5.935	
	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	0.471	0.942	
	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	0.100	0.314	0.314	0.628	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.344	1.608	2.952	



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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(A)=						3.360				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.820	0.87			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.34			
		Net Qty = A - B						2.02		2.54	4.55
	BF3										
	CH11.70	579.800	579.002	578.752			1.048				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.798	2.506	5.935	8.440	
	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	0.150	0.471	0.942	1.413	
	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	0.100	0.314	0.628	0.942	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.321	2.952	4.272	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.291				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.798	0.84			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.32			
		Net Qty = A - B						1.97		4.55	6.52
	BF4										
	CH13.40	579.702	579.022	578.772			0.930				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.680	2.135	8.440	10.576	
	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	0.150	0.471	1.413	1.884	
	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	0.100	0.314	0.942	1.256	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.196	4.272	5.468	



TPM JE

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

Book No. :-

Page No. :- 013

Page 3

Manhole MB Bagwan Function Hall

Date	Particulars of work	DETAILS					Content of arrears	Last measurment		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EX.L							
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						2.920				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.680	0.72			
	soiling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.20			
		Net Qty = A - B						1.72	6.52	8.25	
	BFS										
	CH15.55	579.802	579.052	578.802			1.000				
	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	0.750	2.355	10.576	12.931	
	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	1.884	2.355	
	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	0.100	0.314	1.256	1.570	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.270	5.468	6.738	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.140			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.750	0.79			
	soiling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murram bedding							0.00			
	Total (B)							1.27			
		Net Qty = A - B						1.87	8.25	10.12	
	BFS										
	CH19.05	579.920	579.120	578.870			1.050				
	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	0.800	2.512	12.931	15.443	
	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	2.355	2.826	
	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	0.100	0.314	1.570	1.884	
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.323	6.738	8.060	



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Manhole MB Bagwan Function Hall

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No		L	B		D	Page		Quantity
			IL	EXL							
	Item No. 30 -> Refilling the excavated trenches ...										
	Total Excavation(A)=						3.297				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.800	0.85			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)							1.32			
		Net Qty = A - B							10.12	12.09	



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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 Nakohawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegam, CIDCO (Airport), Constructing, Erecting, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegam, Coliwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying, jointing and testing rising main GRP DI pipe line from Coliwadi SPS to Nakohawadi (Kanchanwadi) STP and Ward No.98 to

Quantity Abstract Bagwan Function Hall

QUANTITY ABSTRACT
BAGWAN FUNCTION HALL

SR NO	Discription	MB/PG	ITEM 1		ITEM 2		ITEM 4		ITEM 7		ITEM 11		ITEM 12		ITEM 13		ITEM 30		ITEM 35		Extra Item 2		Extra Item 2.a				
			0-1.5	4.535	0-1.5	0.926	0-1.5	0.617	0-1.5	0.815	0-1.5	0.815	0-1.5	0.815	1.063	160mm	14.850	160mm	14.850	14.850	5.015	12.092	0.050	0.050	0-1.5 m	6.00	Rebato
1	For Pipe		15.443	2.826	1.884	8.060	9.124	14.850	14.850	17.107	17.107	14.850	14.850	14.850	14.850	14.850	14.850	14.850	14.850	14.850	14.850	14.850	14.850	14.850	6.00	6.00	-13.61
2	For Manhole		19.98	3.752	2.501	8.060	9.124	14.850	14.850	17.107	17.107	14.850	14.850	14.850	14.850	14.850	14.850	14.850	14.850	14.850	14.850	14.850	14.850	6.00	6.00	-13.61	
	Total																										


CONTRACTOR
 Authorized Signatory
 Mumbai


PMC
 Project Manager
 Jr. Engineer
 Dy. Engineer
 Ex. Engineer


CLIENT

10	Total up to Date
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9th RA BILL MEASUREMENTS DWC PIPE PUSPNAGARI (NEAR BUS STAND)

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No IL	EX.L	L	B	D		Page	Quantity	
	DWC - 200 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.200+0.5=0.700m										
	For Lift 1.5 to 3.00m- 0.200+0.5+0.4=1.100m										
	For Lift 3.0 to 4.5m- 0.200+0.5+0.4+0.4=1.500m										
	PN 1 TO PN 2										
	CH0.00	558.595	556.485	556.385			2.210	2.120			
	CH15.90	559.755	557.825	557.725			2.030				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.240	1.100	1.250	18.205	0.000	18.205	
	(b) For Lift 1.5m to 3.0m	1			13.240	0.700	0.620	5.746	0.000	5.746	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			13.240	1.100	0.150	2.185	0.000	2.185	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			13.240	1.100	0.100	1.456	0.000	1.456	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			14.240	0.700	0.100	0.997	0.000	0.997	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.444	0.000	1.444	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			14.740			14.740	0.000	14.740	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							27.592			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	14.240	0.200	0.200	0.447			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.997			
								1.444			
	Net Qty = A - B							26.148	0.000	26.148	
	PN 2 TO PN 3										
	CH15.90	559.755	557.825	557.725			2.030	2.123			
	CH40.80	560.735	558.620	558.520			2.215				



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Pipe Lying MB Pusnagari (Near bus stand)

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										
	(a) For Lift 0 to 1.5m	1			22.240	1.100	1.250	30.580	18.205	48.785	
	(b) For Lift 1.5m to 3.0m	1			22.240	0.700	0.623	9.699	5.746	15.445	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			22.240	1.100	0.150	3.670	2.185	5.854	
	(b) For Lift 1.5m to 3.0m	1			22.240	0.700	0.000	0.000	0.000	0.000	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			22.240	1.100	0.100	2.446	1.456	3.903	
	(b) For Lift 1.5m to 3.0m	1			22.240	0.700	0.000	0.000	0.000	0.000	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			23.240	0.700	0.100	1.627	0.997	2.624	
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.357	1.444	3.800	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			23.740			23.740	14.740	38.480	
	Item No. 30 :- Refilling the excavated trenches ...							46.395			
	Total Excavation=										
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	23.240	0.200	0.200	0.730			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.627			
								2.357			
								Net Qty = A - B			
								44.038	26.148	70.187	
	PN 3 TO PN 4										
	CH40.80	560.735	558.620	558.520			2.215	1.887			
	CH71.80	560.795	559.335	559.235			1.560				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			28.340	1.100	1.250	38.968	48.785	87.753	
	(b) For Lift 1.5m to 3.0m	1			28.340	0.700	0.387	7.687	15.445	23.132	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			28.340	1.100	0.150	4.676	5.854	10.530	



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Date	Particulars of work	DETAILS					Content of arrears	Last measurment		Total Upto Date Quantity		
		No			L	B		D	Page		Quantity	
		GL	IL	EX.L								
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			28.340	1.100	0.100	3.117		3.903	7.020	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			29.340	0.700	0.100	2.054		2.624	4.677	
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.975		3.800	6.776	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			29.840			29.840		38.480	68.320	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation=							54.448				
	Deduction of 200mm dia pipe											
	pipe area	1.000		0.785	29.340	0.200	0.200	0.921				
	soling							0.000				
	PCC							0.000				
	Murrum bedding							2.054				
								2.975				
								Net Qty = A - B		51.473	70.187	121.660
	PN 4 TO PN 5											
	CH71.80	560.795	559.335	559.235			1.560					
	CH100.20	561.035	559.395	559.295			1.740	1.650				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc											
	(a) For Lift 0 to 1.5m	1			25.740	1.100	1.250	35.393		87.753	123.145	
	(b) For Lift 1.5m to 3.0m	1			25.740	0.700	0.150	2.703		23.132	25.835	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			25.740	1.100	0.150	4.247		10.530	14.777	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.											
	(a) For Lift 0 to 1.5m	1			25.740	1.100	0.100	2.831		7.020	9.852	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			26.740	0.700	0.100	1.872		4.677	6.549	
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.711		6.776	9.487	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			27.240			27.240		48.320	96.560	



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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=						45.174				
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	26.740	0.200	0.200	0.840			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.872			
								2.711			
		Net Qty = A - B						42.462	121.660	164.122	
	PN5 TO PN 6										
	CH100.20	561.035	559.395	559.295			1.740	1.785			
	CH121.10	561.165	559.435	559.335			1.830				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			18.240	1.100	1.250	25.080	123.145	148.225	
	(b) For Lift 1.5m to 3.0m	1			18.240	0.700	0.285	3.639	25.835	29.474	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			18.240	1.100	0.150	3.010	14.777	17.787	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			18.240	1.100	0.100	2.006	9.852	11.858	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			19.240	0.700	0.100	1.347	6.549	7.896	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.951	9.487	11.438	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			19.740			19.740	95.560	115.300	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							33.735			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	19.240	0.200	0.200	0.604			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.347			
								1.951			
		Net Qty = A - B						31.784	164.122	195.906	
	PN 6 TO PN 7										
	CH121.10	561.165	559.435	559.335			1.830	1.885			
	CH156.60	561.335	559.495	559.395			1.940				



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

Page 5

Pipe Lying MB Puspnagari (Near bus stand)

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										
	(a) For Lift 0 to 1.5m	1			32.840	1.100	1.250	45.155		148.225	193.380
	(b) For Lift 1.5m to 3.0m	1			32.840	0.700	0.385	8.850		29.474	38.324
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			32.840	1.100	0.150	5.419		17.787	23.206
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			32.840	1.100	0.100	3.612		11.858	15.470
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			33.840	0.700	0.100	2.369		7.896	10.265
	Item No. : 11 Transportation of earth Transportation charges including loading &							3.431		11.438	14.869
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			34.340			34.340		115.300	149.640
	Item No. 30 :- Refilling the excavated trenches _										
	Total Excavation=							63.036			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	33.840	0.200	0.200	1.063			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							2.369			
								3.431			
								59.605		195.906	255.511
	Net Qty = A - B										
	PN 7 TO PN 8										
	CH156.60	561.335	559.495	559.395			1.940	1.938			
	CH195.50	561.550	559.715	559.615			1.935				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			36.240	1.100	1.250	49.830		193.380	243.210
	(b) For Lift 1.5m to 3.0m	1			36.240	0.700	0.438	11.099		38.324	49.423
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			36.240	1.100	0.150	5.980		23.206	29.185
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			36.240	1.100	0.100	3.986		15.470	19.457



MPU 50

Page 6

Pipe Lying MB Puspnagari (Near bus stand)

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			37.240	0.700	0.100	2.607		10.265	12.872
	Item No. : 11 Transportation of earth Transportation charges including loading &							3.776		14.869	18.645
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			37.740			37.740		149.640	187.380
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							70.895			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	37.240	0.200	0.200	1.169			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							2.607			
								3.776			
								Net Qty = A - B		255.511	322.629
	PN 6 TO PN 6.1										
	CH0.00	561.165	559.435	559.335			1.830				
	CH3.00	561.195	560.185	560.085			1.110	1.470			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.670	0.700	1.220	0.572		243.210	243.782
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.670	0.700	0.150	0.070		29.185	29.256
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.670	0.700	0.100	0.047		19.457	19.504
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.470	0.700	0.100	0.103		12.872	12.975
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.149		18.645	18.794
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			1.970			1.970		187.380	189.350
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.689			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	1.470	0.200	0.200	0.046			



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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 R.P/DI nine line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to

Book No. :-
Page No. 023

Page 7

Pipe Lying MB Puspnagari (Near bus stand)

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	soling						0.000				
	PCC						0.000				
	Murram bedding						0.103				
							0.149				
							0.540	322.629	323.170		
							Net Qty = A - B				
	PN 4TO PN 4.1L										
	CH0.00	560.795	559.335	559.235		1.560	1.510				
	CH1.50	560.805	559.445	559.345		1.460					
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			0.500		0.500	189.350	189.850		
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						0.000				
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	0.000	0.200	0.200	0.000			
	soling						0.000				
	PCC						0.000				
	Murram bedding						0.000				
							0.000	323.170	323.170		
							Net Qty = A - B				
	PN 3 TO PN 3.1L										
	CH0.00	560.735	558.620	558.520		2.215	1.575				
	CH3.00	560.770	559.935	559.835		0.935					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc										
	(a) For Lift 0 to 1.5m	1			0.670	0.700	1.250	0.586	243.782	244.368	
	(b) For Lift 1.5m to 3.0m	1			0.670	0.700	0.075	0.035	49.423	49.458	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.670	0.700	0.150	0.070	29.256	29.326	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.670	0.700	0.100	0.047	19.504	19.551	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.470	0.700	0.100	0.103	12.975	13.077	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.149	18.794	18.944	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			1.970			1.970	189.850	191.820	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=						0.739				



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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 200mm dia pipe										
	pipe area	1.000		0.785	1.470	0.200	0.200	0.046			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.103			
								0.149			
		Net Qty = A - B						0.590	323.170	323.759	
	PN 4 TO PN 4.1										
	CH0.00	560.795	559.335	559.235			1.560	1.460			
	CH22.60	560.865	559.605	559.505			1.360				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			20.270	0.700	1.210	17.169	244.368	261.537	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			20.270	0.700	0.150	2.128	29.326	31.454	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			20.270	0.700	0.100	1.419	19.551	20.970	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			21.070	0.700	0.100	1.475	13.077	14.552	
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.136	18.944	21.080	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			21.570			21.570	191.820	213.390	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							20.716			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	21.070	0.200	0.200	0.662			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.475			
								2.136			
		Net Qty = A - B						18.579	323.759	342.339	
	PN 4.1 TO PN 4.2										
	CH22.60	560.865	559.605	559.505			1.360	1.355			
	CH41.10	561.025	559.775	559.675			1.350				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			16.500	0.700	1.105	12.763	261.537	274.300	



MPH JE

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

Book No. :-
Page No. :- 025

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			16.500	0.700	0.150	1.733		31.454	33.187
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			16.500	0.700	0.100	1.155		20.970	22.125
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			17.100	0.700	0.100	1.197		14.552	15.749
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.734		21.080	22.814
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			17.600			17.600		213.390	230.990
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							15.650			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	17.100	0.200	0.200	0.537			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							1.197			
								1.734			
								Net Qty = A - B		342.339	356.255
	PN 4.2 TO PN 4.3										
	CH41.10	561.025	559.775	559.675				1.350			
	CH58.90	561.195	559.965	559.865				1.330		1.340	
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			15.800	0.700	1.090	12.055		274.300	286.355
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			15.800	0.700	0.150	1.659		33.187	34.846
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			15.800	0.700	0.100	1.106		22.125	23.231
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			16.400	0.700	0.100	1.148		15.749	16.897
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.663		22.814	24.477



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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

Book No. 026
Page No. :-

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Pipe Lying MB Puspnagari (Near bus stand)

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. 13 :- (b) Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			16.900			16.900		230.990	247.890
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							14.820			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	16.400	0.200	0.200	0.515			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.148			
								1.663			
								Net Qty = A - B		356.255	369.412
	PN 4.3 TO PN 4.4										
	CH58.90	561.195	559.965	559.865			1.330	1.308			
	CH64.70	561.235	560.050	559.950			1.285				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			3.800	0.700	1.058	2.814		286.355	289.170
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.800	0.700	0.150	0.399		34.846	35.245
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.800	0.700	0.100	0.266		23.231	23.497
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.400	0.700	0.100	0.308		16.897	17.205
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.446		24.477	24.923
	Item No. 13 :- (b) Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			4.900			4.900		247.890	252.790
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							3.479			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	4.400	0.200	0.200	0.138			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.308			
								0.446			
								Net Qty = A - B		369.412	372.446
	PN 4.4 TO PN 4.5										



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

Book No. :-
Page No. :- 027

Pipe Lying MB Puspnagari (Near bus stand)

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	CH64.70	561.235	560.050	559.950			1.285	1.353			
	CH72.70	561.405	560.085	559.985			1.420				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			6.000	0.700	1.103	4.633	289.170	293.802	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.000	0.700	0.150	0.630	35.245	35.875	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			6.000	0.700	0.100	0.420	23.497	23.917	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			6.600	0.700	0.100	0.462	17.205	17.667	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.669	24.923	25.592	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			7.100			7.100	252.790	259.899	
	Item No. 30 :- Refilling the excavated trenches										
	Total Excavation=							5.683			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	6.600	0.200	0.200	0.207			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.462			
								0.669			
								5.013	372.446	377.459	
	PN 4.5 TO PN 4.6										
	CH72.70	561.405	560.085	559.985			1.420	1.435			
	CH79.40	561.495	560.145	560.045			1.450				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			4.700	0.700	1.185	3.899	293.802	297.701	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.700	0.700	0.150	0.494	35.875	36.368	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			4.700	0.700	0.100	0.329	23.917	24.246	



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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

Book No. :- 028
Page No. :-

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Pipe Lying MB Puspnagari (Near bus stand)

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			5.300	0.700	0.100	0.371		17.667	18.038
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.537		25.592	26.130
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			5.800			5.800		259.890	265.690
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							4.721			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	5.300	0.200	0.200	0.166			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.371			
								0.537			
								4.184		377.459	381.643
	Net Qty = A - B										
	PN 4.6 TO PN 4.7										
	CH79.40	561.495	560.145	560.045			1.450	1.275			
	CH95.40	561.495	560.495	560.395			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			14.000	0.700	1.025	10.045		297.701	307.746
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			14.000	0.700	0.150	1.470		36.368	37.838
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			14.000	0.700	0.100	0.980		24.246	25.226
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			14.600	0.700	0.100	1.022		18.038	19.060
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.480		26.130	27.610
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			15.100			15.100		265.690	280.790
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							12.495			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	14.600	0.200	0.200	0.458			



10/5/15

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. :-

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Pipe Lying MB Puspnagari (Near bus stand)

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.022			
								1.480			
		Net Qty = A - B						11.015	381.643	392.657	
	PN 4.7 TO PN 4.8										
	CH95.40	561.495	560.495	560.395			1.100	1.068			
	CH96.90	561.495	560.560	560.460			1.035				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			0.500	0.700	0.818	0.286	307.746	308.032	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.500	0.700	0.150	0.053	37.838	37.891	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.500	0.700	0.100	0.035	25.226	25.261	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			0.800	0.700	0.100	0.056	19.060	19.116	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.081	27.610	27.691	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			1.050			1.050	280.790	281.840	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							0.374			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	0.800	0.200	0.200	0.025			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.056			
								0.081			
		Net Qty = A - B						0.293	392.657	392.950	
	PN 3 TO PN 3.1										
	CH0.00	560.735	558.620	558.520			2.215	1.870			
	CH6.00	560.690	559.265	559.165			1.525				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			3.340	1.100	1.250	4.593	308.032	312.625	
	(b) For Lift 1.5m to 3.0m	1			3.340	0.700	0.370	0.865	49.458	50.323	



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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			3.340	1.100	0.150	0.551		37.891	38.442
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			3.340	1.100	0.100	0.367		25.261	25.628
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
		1			4.340	0.700	0.100	0.304		19.116	19.420
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.440		27.691	28.131
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia										
		1			4.840			4.840		281.840	286.680
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.376			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	4.340	0.200	0.200	0.136			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.304			
								0.440			
								5.936		392.950	398.886
	Net Qty = A - B										
	PN 3.1 TO PN 3.2										
	CH6.00	560.690	559.265	559.165			1.525	1.883			
	CH19.90	560.925	558.785	558.685			2.240				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			11.240	1.100	1.250	15.455		312.625	328.080
	(b) For Lift 1.5m to 3.0m	1			11.240	0.700	0.383	3.013		50.323	53.336
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			11.240	1.100	0.150	1.855		38.442	40.296
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			11.240	1.100	0.100	1.236		25.628	26.864
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)										
		1			12.240	0.700	0.100	0.857		19.420	20.277



MPU 30

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

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Pipe Lying MB Puspnagari (Near bus stand)

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.241		28.131	29.373
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			12.740			12.740		286.680	299.420
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							21.559			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	12.240	0.200	0.200	0.384			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.857			
								1.241			
								20.318		398.886	419.204
	PN 3.2 TO PN 3.3										
	CH19.90	560.925	558.785	558.685				2.240			
	CH34.90	561.095	559.775	559.675				1.420			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc										
	(a) For Lift 0 to 1.5m	1			12.340	1.100	1.250	16.968		328.080	345.047
	(b) For Lift 1.5m to 3.0m	1			12.340	0.700	0.330	2.851		53.336	56.187
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			12.340	1.100	0.150	2.036		40.296	42.333
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			12.340	1.100	0.100	1.357		26.864	28.222
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.340	0.700	0.100	0.934		20.277	21.211
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.353		29.373	30.725
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			13.840			13.840		299.420	313.260
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							23.212			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	13.340	0.200	0.200	0.419			
	soling							0.000			
	PCC							0.000			



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Pipe Lying MB Puspnagari (Near bus stand)

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Murrum bedding						0.934				
							1.353				
		Net Qty = A - B					21.859	419.204	441.063		
	PN 3.3 TO PN 3.4										
	CH34.90	561.095	559.775	559.675			1.420	1.310			
	CH45.60	561.185	560.085	559.985			1.200				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			8.370	0.700	1.060	6.211	345.047	351.258	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.370	0.700	0.150	0.879	42.333	43.211	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.370	0.700	0.100	0.586	28.222	28.808	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.170	0.700	0.100	0.642	21.211	21.853	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.930	30.725	31.655	
	Item No. 13 :- (b)Lowering & Laying of Polyethylene DWC pipe of 200mm Dia	1			9.670			9.670	313.260	322.930	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							7.675			
	Deduction of 200mm dia pipe										
	pipe area	1.000		0.785	9.170	0.200	0.200	0.288			
	soling							0.000			
	PCC							0.000			
	Murrum bedding							0.642			
								0.930			
		Net Qty = A - B					6.745	441.063	447.809		
	Conections from PN 3.3, PN 4.5, PN 4.2 and PN 4.6										
	CH0.00										
	CH9.00										
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			2.800	0.700	1.060	2.878	351.258	353.335	
	(b) For Lift 1.5m to 3.0m	1			2.800	0.700	0.000	0.000	56.187	56.187	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										



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

Book No. :- 034
Page No. :-

Page 1

Manhole MB Puspnagari (Near bus stand)

9th R A BILL MEASURMENTS DWC CHEMBER PUSPNAGARI (NEAR BUS STAND)

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 - 200mm Dia										
	Excavation of Chamber - For 1.20 dia chamber (upto 2.0m depth)- 1.20+0.50+0.5+0.5=2.66m										
	Area for chamber upto 2m=2.66*2.66=7.075m										
	Excavation of Chamber - For 0.9 mt.Dia of chamber up to Depth of 1.5mt.- 0.9+0.5+0.3+0.3=2.0m										
	Area for Square chamber up to Depth of 2m= 2 * 2=4m										
	PN1										
	CH0.00	558.595	556.485	556.235			2.360				
	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	1.250	6.942	0.000	6.942	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.860	4.776	0.000	4.776	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	0.000	0.833	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.100	0.555	0.000	0.555	
	Item No. : 11 Transportation of earth Transportation charges including loading &							3.596	0.000	3.596	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							13.107			
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	2.110	2.84			
	soling							0.00			
	PCC	1.00		0.785	1.96	1.96	0.25	0.75			
	Murrum bedding							0.00			
	Total (B)							3.60			
								Net Qty = A - B	9.51	9.51	
	PN2										
	CH15.90	559.755	557.825	557.575			2.180				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										



MPW 16

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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Manhole MB Puspnagari (Near bus stand)

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.250	6.942		6.942	13.885
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.680	3.777		4.776	8.553
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833		0.833	1.666
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.100	0.555		0.555	1.111
	Item No. : 11 Transportation of earth Transportation charges including loading &							3.354		3.596	6.950
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							12.107			
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	1.930	2.60			
	soling							0.00			
	PCC	1.00		0.785	1.96	1.96	0.25	0.75			
	Murrum bedding							0.00			
	Total (B)							3.35			
	Net Qty = A - B							8.75		9.51	18.26
	PN3										
	CH40.80	560.735	558.620	558.370				2.365			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	1.200	6.665		13.885	20.549
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.915	5.082		8.553	13.635
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833		1.666	2.499
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.100	0.555		1.111	1.666
	Item No. : 11 Transportation of earth Transportation charges including loading &							3.603		6.950	10.553
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							13.135			
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	2.115	2.85			
	soling							0.00			
	PCC	1.00		0.785	1.96	1.96	0.25	0.75			
	Murrum bedding							0.00			



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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Total (B)						3.60				
		Net Qty = A - B						9.53		18.26	27.80
	PN4										
	CH71.80	560.795	559.335	559.085			1.710				
	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	1.250	6.942		20.549	27.492
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.210	1.166		13.635	14.801
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833		2.499	3.332
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.100	0.555		1.666	2.222
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.721		10.553	13.274
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						9.497				
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	1.460	1.97			
	soling							0.00			
	PCC	1.00		0.785	1.96	1.96	0.25	0.75			
	Murrum bedding							0.00			
	Total (B)						2.72				
		Net Qty = A - B						6.78		27.80	34.57
	PN5										
	CH100.20	561.035	559.395	559.145			1.890				
	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	1.250	6.942		27.492	34.434
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.390	2.166		14.801	16.967
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833		3.332	4.165
	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		2.222	2.777
	Item No. : 11 Transportation of earth Transportation charges including loading &							2.963		13.274	16.237



MPH JLS

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. :-

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Manhole MB Puspnagari (Near bus stand)

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(A)=						10.497				
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	1.640	2.21			
	soling							0.00			
	PCC	1.00		0.785	1.96	1.96	0.25	0.75			
	Murum bedding							0.00			
	Total (B)							2.96			
		Net Qty = A - B						7.53	34.57	42.11	
	PN6										
	CH121.10	561.165	559.435	559.185			1.980				
	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	7.075	1.250	6.942	34.434	41.376	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.480	2.666	16.967	19.633	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833	4.165	4.998	
	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	2.777	3.332	
	Item No. : 11 Transportation of earth Transportation charges including loading &							3.084	16.237	19.322	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							10.997			
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	1.730	2.33			
	soling							0.00			
	PCC	1.00		0.785	1.96	1.96	0.25	0.75			
	Murum bedding							0.00			
	Total (B)							3.08			
		Net Qty = A - B						7.91	42.11	50.02	
	PN7										
	CH156.60	561.335	559.495	559.245			2.090				
	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	7.075	1.250	6.942	41.376	48.319	
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.590	3.277	19.633	22.910	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										



18/11/20

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. :- 033
Page No. :-

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Manhole MB Puspnagari (Near bus stand)

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833		4.998	5.832
	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		3.332	3.888
	Item No. : 11 Transportation of earth Transportation charges including loading &							3.233		19.322	22.554
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							11.608			
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	1.840	2.48			
	soling							0.00			
	PCC	1.00		0.785	1.96	1.96	0.25	0.75			
	Murum bedding							0.00			
	Total (B)							3.23			
					Net Qty = A - B			8.37		50.02	58.39
	PN8										
	CH195.50	561.550	559.715	559.465			2.085				
	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	7.075	1.250	6.942		48.319	55.261
	(b) For Lift 1.5m to 3.0m	1			0.785	7.075	0.370	2.055		22.910	24.965
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.150	0.833		5.832	6.665
	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		3.888	4.443
	Item No. : 11 Transportation of earth Transportation charges including loading &							3.226		22.554	25.780
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							10.386			
	Deduction										
	Brick work	1.00		0.785	1.31	1.31	1.835	2.47			
	soling							0.00			
	PCC	1.00		0.785	1.96	1.96	0.25	0.75			
	Murum bedding							0.00			
	Total (B)							3.23			
					Net Qty = A - B			7.16		58.39	65.55
	PN6.1										
	CH3.00	561.195	560.185	559.935			1.260				



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

Book No. :-

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Manhole MB Puspnagari (Near bus stand)

Date	Particulars of work	DETAILS					Content of arrears	Last measurment		Total Upto Date Quantity	
		No			L	B		D	Page		Quantity
		GL	IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.010	3.171	55.261	58.432	
	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	6.665	7.136	
	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	0.100	0.314	4.443	4.757	
	Item No. : 11 Transportation of earth Transportation charges							1.544	25.780	27.325	
	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	1.07			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murrum bedding							0.00			
	Total (B)							1.54			
	Net Qty = A - B								2.41	65.55	67.97
	PN4.1L										
	CH1.50	560.805	559.445	559.195			1.610				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.250	3.925	58.432	62.357	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.110	0.345	24.965	25.310	
	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	7.136	7.607	
	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	0.100	0.314	4.757	5.071	
	Item No. : 11 Transportation of earth Transportation charges							1.914	27.325	29.239	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.055			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.360	1.44			
	soling							0.00			



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

Book No. :- 04J
Page No. :-

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Manhole MB Puspnagari (Near bus stand)

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)							1.91			
		Net Qty = A - B						3.14	67.97	71.11	
	PN3.1L										
	CH3.00	560.770	559.935	559.685			1.085				
	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	0.835	2.622	62.357	64.979	
	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	7.607	8.076	
	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	0.100	0.314	5.071	5.385	
	Item No. : 11 Transportation of earth Transportation charges							1.360	29.239	30.599	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.407			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	0.835	0.88			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)							1.36			
		Net Qty = A - B						2.05	71.11	73.15	
	PN4.1										
	CH22.60	560.865	559.605	559.355			1.510				
	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	64.979	68.904	
	(b) For Lift 1.5 to 3.0m	1			0.785	4.000	0.010	0.031	25.310	25.341	
	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	8.078	8.549	
	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	0.100	0.314	5.385	5.699	
	Item No. : 11 Transportation of earth Transportation charges							1.809	30.599	32.407	



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

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Manhole MB Puspnagari (Near bus stand)

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(A)=						4.741				
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.260	1.33			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)							1.81			
		Net Qty = A - B						2.93		73.15	76.09
	PN4.2										
	CH41.10	561.025	559.775	559.525			1.500				
	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		68.904	72.829
	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		8.549	9.020
	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	0.100	0.314		5.699	6.013
	Item No. : 11 Transportation of earth Transportation charges							1.798		32.407	34.205
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.710			
	Deduction										
	Brick work	1.00		0.785	1.160	1.160	1.250	1.32			
	soling							0.00			
	PCC	1.00		0.785	1.560	1.560	0.250	0.48			
	Murum bedding							0.00			
	Total (B)							1.80			
		Net Qty = A - B						2.91		76.09	79.00
	PN4.3										
	CH58.90	561.195	559.965	559.715			1.480				
	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	1.230	3.862		72.829	76.692
	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		9.020	9.491



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