

9th R A BILL MEASUREMENTS OF CHEMBERS SANJAY NAGAR-03 NIJAMGANJ COLONY

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Excavation of Chamber - For 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										
Part - 01	SANJAY NAGAR-03 NIJAMGANJ COLONY										
	SN 02										
	CH14.60	584.580	583.505	583.255			1.325				
	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	0.725	2.277	0.000	2.277	
	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	0.400	1.256	0.000	1.256	
	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							1.613	0.000	1.613	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.161			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.075	1.136			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.613			
	Net Qty = A - B							2.547	0.000	2.547	
	SN 03										
	CH22.35	584.730	583.830	583.580			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	0.550	1.727	2.277	4.004	
	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	0.400	1.256	1.256	2.512	
	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	0.628	1.256	
	Item No. : 11 Transportation of earth Transportation charges							1.428	1.613	3.041	
	Item No. 30 :- Refilling the excavated trenches ...										



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Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B	D		Page	Quantity		
	Total Excavation(A)=							3.611				
	Deduction											
	Brick work	1		0.785	1.160	1.160	0.900	0.951				
	soling							0.000				
	PCC	1		0.785	1.560	1.560	0.250	0.478				
	Murrum bedding							0.000				
	Total (B)							1.428				
		Net Qty = A - B										
	SN 04							2.183		2.547	4.730	
	CH33.35	584.770	583.940	583.690			1.080					
	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		4.004	5.511	
	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	0.400	1.256		2.512	3.768	
	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		1.256	1.884	
	Item No. : 11 Transportation of earth Transportation charges							1.354		3.041	4.396	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							3.391				
	Deduction											
	Brick work	1		0.785	1.160	1.160	0.830	0.877				
	soling							0.000				
	PCC	1		0.785	1.560	1.560	0.250	0.478				
	Murrum bedding							0.000				
	Total (B)							1.354				
		Net Qty = A - B										
	SN 05							2.037		4.730	6.767	
	CH43.95	584.870	584.060	583.810			1.060					
	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	0.460	1.444		5.511	6.955	
	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	0.400	1.256		3.768	5.024	
	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		1.884	2.512	
	Item No. : 11 Transportation of earth Transportation charges							1.333		4.396	5.729	
	Item No. 30 :- Refilling the excavated trenches ...											
	Total Excavation(A)=							3.328				
	Deduction											



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Name of work:- Development and Commissioning of Sewage Treatment 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.

Page No. :- 005

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

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Sanjay Nagar-03 Nijamganj Colony-Meas.Chember

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Brick work	1		0.785	1.160	1.160	0.810	0.856			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.333			
		Net Qty = A - B								6.767	8.762
	SN 06										
	CH53.05	584.920	584.160	583.910			1.010				
	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	0.410	1.287		6.955	8.243
	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	0.400	1.256		5.024	6.280
	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		2.512	3.140
	Item No. : 11 Transportation of earth Transportation charges							1.280		5.729	7.009
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.171			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.760	0.803			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murum bedding							0.000			
	Total (B)							1.280			
		Net Qty = A - B								8.762	10.653
	SN 07										
	CH63.45	584.930	584.320	584.070			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			0.785	4.000	0.260	0.816		8.243	9.059
	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	0.400	1.256		6.280	7.536
	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		3.140	3.768
	Item No. : 11 Transportation of earth Transportation charges							1.122		7.009	8.131
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.700			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.610	0.644			
	soling							0.000			



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and Zone Salam Ali, Compacting, 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.

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			
	Murram bedding							0.000			
	Total (B)							1.122			
		Net Qty = A - B								10.653	12.232
	SN 08										
	CH76.15	585.120	584.430	584.180			0.940				
	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	0.340	1.068	9.059	10.126	
	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	0.400	1.256	7.536	8.792	
	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	3.768	4.396	
	Item No. : 11 Transportation of earth Transportation charges							1.206	8.131	9.338	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.952			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.690	0.729			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	Total (B)							1.206			
		Net Qty = A - B								12.232	13.977
	SN 09										
	CH82.50	584.990	584.200	583.950			1.040				
	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	0.440	1.382	10.126	11.508	
	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	0.400	1.256	8.792	10.048	
	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	4.396	5.024	
	Item No. : 11 Transportation of earth Transportation charges							1.312	9.338	10.650	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.266			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.790	0.834			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			



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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)						1.312				
		Net Qty = A - B						1.954	13.977	15.930	
	SN 10										
	CH90.20	584.760	584.010	583.760			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	0.400	1.256	11.508	12.764	
	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	0.400	1.256	10.048	11.304	
	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	5.024	5.652	
	Item No. : 11 Transportation of earth Transportation charges							1.270	10.650	11.920	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.140				
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.750	0.792			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)						1.270				
		Net Qty = A - B						1.870	15.930	17.801	
	SN 11										
	CH96.45	584.680	583.940	583.690			0.990				
	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	0.390	1.225	12.764	13.989	
	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	0.400	1.256	11.304	12.560	
	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	5.652	6.280	
	Item No. : 11 Transportation of earth Transportation charges							1.259	11.920	13.179	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						3.109				
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.740	0.782			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)						1.259				
		Net Qty = A - B						1.849	17.801	19.650	



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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							
SN 12											
	CH102.85	584.470	583.880	583.630			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			0.785	4.000	0.240	0.754	13.989	14.742	
	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	0.400	1.256	12.560	13.816	
	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	6.280	6.908	
	Item No. : 11 Transportation of earth Transportation charges							1.101	13.179	14.280	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.638			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.590	0.623			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.101			
					Net Qty = A - B			1.537	19.650	21.187	
SN 13											
	CH111.45	584.350	583.870	583.620			0.730				
	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	0.130	0.408	14.742	15.150	
	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	0.400	1.256	13.816	15.072	
	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	6.908	7.536	
	Item No. : 11 Transportation of earth Transportation charges							0.985	14.280	15.264	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.292			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.480	0.507			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							0.985			
					Net Qty = A - B			1.308	21.187	22.494	
SN 02/01											
	CH12.65	585.110	584.460	584.210			0.900				



Signature

Sanjay Nagar-03 Nijamganj Colony-Meas.Chember
 Construction, Erection, Testing and Commissioning of Sewage Treatment
 Plant based on modern technology at Nakshrawadi (Kanchanwadi), Banewadi, Siddharth
 Garden, Zalta, Padegaon, CDDO (Airport), Construction, Erection, Testing and Commissioning
 of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward
 No.98 and CDDO (Airport). Providing, lowering, laying jointing and testing rising main
 GRTD pipe line from Golwadi SPS to Nakshrawadi (Kanchanwadi) STP and Ward No.98 to
 STP for Aerobicated City

Name of Agency:- M's Khatri Infrastructure Pvt.Ltd. & GECPL (Joint Veneture)

Sanjay Nagar-03 Nijamganj Colony-Meas.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			0.785	4.000	0.750	2.355		19.421	21.776
	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		16.956	17.584
	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		8.792	9.420
	Item No. : 11 Transportation of earth Transportation charges							1.428		18.184	19.612
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.611			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.900	0.951			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.428			
	Net Qty = A - B							2.183		26.985	29.168
	NCS 05										
	CH51.30	585.250	584.460	584.210			1.040				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.640	2.010		21.776	23.785
	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		17.584	18.212
	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		9.420	10.048
	Item No. : 11 Transportation of earth Transportation charges							1.312		19.612	20.924
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.266			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.790	0.834			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.312			
	Net Qty = A - B							1.954		29.168	31.121
	NCS 06										
	CR5A.30	585.440	584.770	584.520			0.920				



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

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

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

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 complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	0.520	1.633		23.785	25.418
	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		18.212	18.840
	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		10.048	10.676
	Item No. : 11 Transportation of earth Transportation charges							1.185		20.924	22.110
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.889			
	Deduction										
	Brick work	1		0.785	1.160	1.160	0.670	0.708			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.185			
	Net Qty = A - B							1.703		31.121	32.825
	NCS 03/01										
	CH8.30	584.740	583.730	583.480				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	0.860	2.700		25.418	28.119
	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		18.840	19.468
	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		10.676	11.304
	Item No. : 11 Transportation of earth Transportation charges							1.544		22.110	23.654
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.956			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.010	1.067			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.544			
	Net Qty = A - B							2.412		32.825	35.237
	NCS 03/02										
	CH14.50	584.920	584.195	583.945				0.975			



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Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banowadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commissioning of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying, jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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

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

Sanjay Nagar-03 Nijamganj Colony-Quantity Abstract

QUANTITY ABSTRACT
SANJAY NAGAR-03 NIJAMGANJ COLONY

Sr. No.	Description	MB/PG	ITEM 1		ITEM 2		ITEM 3		ITEM 4		ITEM 7		ITEM 11		ITEM 12		ITEM 13		ITEM 30		ITEM 35		Extra Item 2		Extra Item 2.a		Extra Item No. 9.1		Extra Item No. 9.2		
			0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	0-1.5	315mm	315mm	315mm	315mm	315mm	315mm	0-1.5 m	Rebate	e	e	e	e					
1	For Pipe		58.796	42.747	0.000	26.707	14.259	27.889	165.700	165.700	100.361	0.200	0.200	0.200	20.000	-47.333	19.2	19.20													
2	For Manhole		32.028	20.724	0.000	12.560	26.241	165.700	165.700	139.432	0.200	0.200	0.200	20.000	-47.333	19.2	19.20														
	Total		90.824	63.471	0.000	39.267	14.259	54.130	165.700	165.700	139.432	0.200	0.200	20.000	-47.333	19.2	19.20														



Authorized Signatory



Project Engineer



Project Manager



Jr. Engineer

CLIENT



Ex. Engineer



Dy. Engineer

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Up to Date

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

Name of Author

9th R A BILL MEASUREMENTS

Measurements of Road Work at Nawabpura

Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation	Qty of Excavation
1	0	20.0	2.40	2.6	0.35	18.2
2	5		2.30			
3	10		2.30			
4	15		3.00			
5	20		3.00			
6	25	20.0	2.70	2.6	0.35	18.2
7	30		2.40			
8	35		2.50			
9	40	20.0	2.80	2.6	0.35	18.2
10	45		2.80			
11	50		2.80			
12	55		2.50			
13	60		2.30			
14	65	20.0	2.30	2.7	0.35	18.55
15	70		2.50			
16	75		3.00			
17	80		2.80			
18	85	20.0	2.80	2.5	0.35	17.675
19	90		2.30			
20	95		2.40			
21	100	20.0	2.60	2.8	0.35	19.425
22	105		2.60			
23	110		3.00			
24	115		2.80			
25	120		2.70			
26	125	20	2.50	2.5	0.35	17.325
27	130		2.40			
28	135		2.55			
29	140	20.0	2.45	2.5	0.35	17.7625
30	145		2.50			
31	150		2.35			
32	155		2.50			
33	160		2.80			
34	165	20.0	2.70	2.7	0.35	18.9875
35	170		2.65			
36	175		2.70			
37	180	20.0	2.80	2.6	0.35	18.4625
38	185		2.80			
39	190		2.75			
40	195		2.70			
41	200		2.30			
42	205	20.0	2.35	2.4	0.35	16.7125
43	210		2.40			
44	215		2.50			
45	220		2.30			
46	225	20.0	2.40	2.5	0.35	17.5
47	230		2.60			
48	235		2.50			
49	240	20.0	2.50	2.8	0.35	19.25
50	245		2.70			
51	250		2.80			
52	255		2.70			
53	260		2.80			
54	265	11.0	2.85	2.9	0.35	11.0
55	271		2.85			
		271.0		2.614		247.2225
		Say		2.500		

Total up to Date

10





Measurement Book



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

Book No. :- 016

Page No. :-

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

9th R A BILL MEASUREMENTS

ROAD WORK AT NAWABPURA

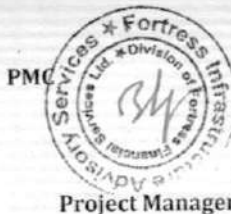
Sr. No.	Descriptions of Items	Unit	Nos	L	B	D	Qty
1	ITEM NO. 1 :- Excavation for foundation/pipe trenches in earth soils of all types sand gravel and soft murum, manually or by using mechanical means including & removing the excavated materials, up to a distance of 50.0 m beyond the area, and lifts as below. Stacking and spreading as directed by engineer-in-charge, normal dewatering preparing the bed for foundation and excluding back filling etc complete.	Cum	1	271	2.50	0.35	237.13
2	Item No. 11:- Disposal of excavated material including loading the excavated material in trucks / tractors and unloading the same at a distance of 10 KMS as directed by engineer-in-charge.	Cum	1	271	2.50	0.3	203.25
3	Item No. : 31 Road restoration - Supply, Spreading, Compacting 80mm and 40 mm metal. Providing and laying 75mm hot mix bitumen layer, 20mm bituminous premix carpet using 60/70 grade, Providing liquid seal coat as per detailed specifications, etc complete as directed by Engineer-in-Charge. (RR only for WBM (80mm & 40mm Layer) work 730 - 533.08 = 196.92 & Hold 5% amount for material without proper Gradation)	Sq. Mtr	1	271	2.50		677.50



Authorized Signatory



Project Engineer



Project Manager

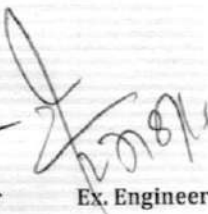


Jr. Engineer



By. Engineer

CLIENT



Ex. Engineer

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

Book No. :- 017

Page No. :-

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

Page 1 of 1

9th R A BILL MEASUREMENTS

ROAD WORK AT HARRI MASJIT TO OLD BAZAR

Sr. No.	Descriptions of Items	Nos	L	B	D	Unit	Qty
1	ITEM NO. 1 :- Excavation for foundation/pipe trenches in earth soils of all types sand gravel and soft murum, manually or by using mechanical means including & removing the excavated materials, up to a distance of 50.0 m beyond the area, and lifts as below. Stacking and spreading as directed by engineer-in-charge, normal dewatering preparing the bed for foundation and excluding back filling etc complete.						
		1	260	2.5	0.4	Cum	260.00
					0.5	Cum	325.00
						Cum	325.00
2	Item No. 11:- Disposal of excavated material including loading the excavated material in trucks / tractors and unloading the same at a distance of 10 KMS as directed by engineer-in-charge.						
		1	260	2.5	0.35	Cum	260.00
					0.45	Cum	227.5
						Cum	292.50
						Cum	292.50
3	Item No. : 31 Road restoration - Supply, Spreading, Compacting 80mm and 40 mm metal. Providing and laying 75mm hot mix bitumen layer, 20mm bituminous premix carpet using 60/70 grade, Providing liquid seal coat as per detailed specifications, etc complete as directed by Engineer-in-Charge. (RR only for WBM (80mm & 40mm Layer) work 730 - 533.08 = 196.92 & Hold 5% amount for material without proper Gradation)						
		1	260	2.5		Sq. Mtr	650.00
						Sq. Mtr	650.00
4	Extra Item : 5(a) Providing Rubble Soling in 15 to 20cm thk. layer etc completed						
		1	260	2.5	0.15	Cum	97.50
						Cum	97.50



Authorized Signatory



Project Engineer

PMC



Project Manager

Jr. Engineer

CLIENT

Dy. Engineer

Ex. Engineer

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27/8/16

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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. :-

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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Page 1 of 1

9th R A BILL MEASURMENTS

Measurements of Road Work at GANESH COLONY

Sr. No.	Chainage	Length of Road	Width Of Excavation	Avg. Width by Part wise	Depth of Excavation	Qty of Excavation
1	0	40.000	2.490	2.498	0.350	34.972 ✓
2	10		2.550			
3	20		2.500			
4	30		2.450			
5	40		2.500			
6	50	40.000	2.600	2.535	0.350	35.490 ✓
7	60		2.550			
8	70		2.490			
9	80		2.500			
10	90	40.000	2.550	2.500	0.350	35.000 ✓
11	100		2.600			
12	110		2.450			
13	120		2.400			
14	130	40.000	2.650	2.550	0.350	35.700 ✓
15	140		2.550			
16	150		2.550			
17	160		2.450			
18	170	15.000	2.500	2.525	0.350	13.256 ✓
19	175		2.550			
		175.000		2.522		154.418 ✓
		Say		2.500		



Name of work:- Development of Underground Sewerage Collection System for Zone 1 in 11 and Zone Salim Ali, Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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

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


9th R A BILL MEASUREMENTS

ROAD WORK AT GANESH COLONY							
Sr. No.	Descriptions of Items	Nos	L	B	D	Unit	Qty
1	ITEM NO. 1 :- Excavation for foundation/pipe trenches in earth soils of all types sand gravel and soft murum, manually or by using mechanical means including & removing the excavated materials, up to a distance of 50.0 m beyond the area, and lifts as below. Stacking and spreading as directed by engineer-in-charge, normal dewatering preparing the bed for foundation and excluding back filling etc complete.						
		1	175	2.500	0.35	Cum	153.13
						Cum	153.13
2	Item No. 11:- Disposal of excavated material including loading the excavated material in trucks / tractors and unloading the same at a distance of 10 KMS as directed by engineer-in-charge.						
		1	175	2.500	0.3	Cum	131.25
						Cum	131.25
3	Item No. : 31 Road restoration - Supply, Spreading, Compacting 80mm and 40 mm metal. Providing and laying 75mm hot mix bitumen layer, 20mm bituminous premix carpet using 60/70 grade, Providing liquid seal coat as per detailed specifications, etc complete as directed by Engineer-in-Charge. (RR only for WBM (80mm & 40mm Layer) work 730 - 533.08 = 196.92 & Hold 5% amount for material without proper Gradation)						
		1	175	2.500		Sq. Mtr	437.50
						Sq. Mtr	437.50


Authorized Signatory


Project Engineer

PMC

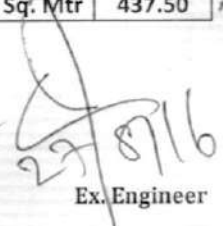

Project Manager

Jr. Engineer

CLIENT

Dy. Engineer

Ex. Engineer



Name of work:- Development of Underground Sewerage Collection system for Zone 1 to V1 and Zone Salim Ali, Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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

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


9th R A BILL MEASUREMENTS

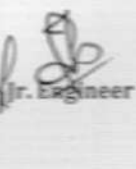
ROAD WORK AT ROSHAN GATE TO CHAMPA CHOWK							
Sr. No.	Descriptions of Items	Nos	L	B	D	Unit	Qty
1	ITEM NO. 1 :- Excavation for foundation/pipe trenches in earth soils of all types sand gravel and soft murum, manually or by using mechanical means including & removing the excavated materials, up to a distance of 50.0 m beyond the area, and lifts as below. Stacking and spreading as directed by engineer-in-charge, normal dewatering preparing the bed for foundation and excluding back filling etc complete.						
		1	375	2.500	0.4	Cum	375.00 ✓
						Cum	375.00 ✓
2	Item No. 11:- Disposal of excavated material including loading the excavated material in trucks / tractors and unloading the same at a distance of 10 KMS as directed by engineer-in-charge.						
		1	375	2.500	0.35	Cum	328.13 ✓
						Cum	328.13 ✓
3	Item No. : 31 Road restoration - Supply, Spreading, Compacting 80mm and 40 mm metal. Providing and laying 75mm hot mix bitumen layer, 20mm bituminous premix carpet using 60/70 grade, Providing liquid seal coat as per detailed specifications, etc complete as directed by Engineer-in-Charge. (RR only for WBM (80mm & 40mm Layer) work 730 - 533.08 = 196.92 & Hold 5% amount for material without proper Gradation)						
		1	375	2.500		Sq. Mtr	937.50 ✓
						Sq. Mtr	937.50 ✓


Authorized Signatory

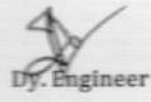

Project Engineer

PMC


Project Manager


Jr. Engineer

CLIENT


Dy. Engineer


Ex. Engineer

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 Nakshatrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commissioning of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport). Providing, lowering, laying, jointing and testing rising main GRP/DI pipe line from Golwadi STP to Nakshatrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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

Authority No. AMC/Ward B&C/UIDSSMT/2014/084 **Date:** 01.07.2014


9th R A BILL MEASUREMENTS

ROAD WORK AT CHAMPA CHOWK TO NIZZAMUDDIN CHOWK

Sr. No.	Descriptions of Items	Nos	L	B	D	Unit	Qty
1	ITEM NO. 1 :- Excavation for foundation/pipe trenches in earth soils of all types sand gravel and soft murum, manually or by using mechanical means including & removing the excavated materials, up to a distance of 50.0 m beyond the area, and lifts as below. Stacking and spreading as directed by engineer-in-charge, normal dewatering preparing the bed for foundation and excluding back filling etc complete.						
		1	105	2.500	0.35	Cum	91.88
						Cum	91.88
2	Item No. 11:- Disposal of excavated material including loading the excavated material in trucks / tractors and unloading the same at a distance of 10 KMS as directed by engineer-in-charge.						
		1	105	2.500	0.3	Cum	78.75
						Cum	78.75
3	Item No. : 31 Road restoration - Supply, Spreading, Compacting 80mm and 40 mm metal. Providing and laying 75mm hot mix bitumen layer, 20mm bituminous premix carpet using 60/70 grade, Providing liquid seal coat as per detailed specifications, etc complete as directed by Engineer-in-Charge. (RR only for WBM (80mm & 40mm Layer) work 730 - 533.08 = 196.92 & Hold 5% amount for material without proper Gradation)						
		1	105	2.500		Sq. Mtr	262.50
						Sq. Mtr	262.50

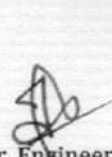
CONTRACTOR

 Authorized Signatory

Fortress Infrastructure Services Pvt. Ltd.

 Project Engineer

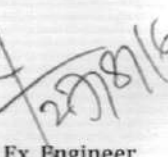
PMC

 Project Manager


 Jr. Engineer

CLIENT

 Dy. Engineer


 Ex. Engineer

Roshan Gate Sharif Colony-02 250mm-MB

9th R A BILL MEASUREMENTS
ROSHAN GATE SHARIF COLONY-02

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	RCC 250mm Dia										
	Width of Trench -										
	For Bottom Lift 0.00-1.50m- 0.25+0.06+0.06+0.5=0.87m										
	From Bottom Lift 1.50m-3.00m- 0.25+0.06+0.06+0.5+0.4=1.27m										
	From Bottom Lift 3.00m-4.50m- 0.25+0.06+0.06+0.5+0.4+0.4 = 1.67m										
	RG1 TO RG2										
	CH4.90	583.330	582.790	582.590							
	CH4.90	583.230	582.680	582.480			0.74				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of						0.75	0.745			
	(a) For Lift 0 to 1.5m	1			2.900	0.870	0.645	1.627	0.000	1.627	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.870	0.100	0.252	0.000	0.252	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			2.900	0.870	0.200	0.505	0.000	0.505	
	Item No. : 11 Transportation of earth Transportation charges including							0.723	0.000	0.723	
	Extra Item No 9.4 b):-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			4.000			4.000	0.000	4.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A										
	Deduction							1.880			
	pipe area	1									
	soling			0.785	2.900	0.310	0.310	0.219			
	PCC							0.000			
	Murum bedding							0.000			
	Total = B							0.505			
								0.723			
								1.156	0.000	1.156	
	RG2 TO RG3										
	CH4.90	583.230	582.680	582.480							
	CH9.80	583.290	582.580	582.380			0.75				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.						0.91	0.830			
	(a) For Lift 0 to 1.5m	1			2.900	0.870	0.730	1.842	1.627	3.469	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.870	0.100	0.252	0.252	0.505	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			2.900	0.870	0.200	0.505	0.505	1.009	
	Item No. : 11 Transportation of earth Transportation charges including							0.723	0.723	1.447	
	Extra Item No 9.4 b):-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			4.000			4.000	4.000	8.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A										
	Deduction							2.094			
	pipe area	1									
	soling			0.785	2.900	0.310	0.310	0.219			
	PCC							0.000			
	Murum bedding							0.000			
	Total = B							0.000			



Plant based on modern technology at Nakshtrawadi (Kanchanwadi) Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No.98 and CIDCO (Airport), Providing, lowering, laying jointing and testing rising main GRP/DI pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	PCC										
	Murum bedding						0.000				
	Total = B						0.505				
							0.723				
		Net Qty = A - B						1.371	1.156	2.527	
	RG3 TO RG4										
	CH9.80	583.290	582.580	582.380			0.91	0.900			
	CH14.70	583.170	582.480	582.280			0.89				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.870	0.800	2.018	3.469	5.488	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.870	0.100	0.252	0.505	0.757	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.900	0.870	0.200	0.505	1.009	1.514	
	Item No. : 11 Transportation of earth Transportation charges including							0.723	1.447	2.170	
	Extra Item No 9.4 b)-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			4.000			4.000	8.000	12.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							2.271			
	Deduction										
	pipe area	1		0.785	2.900	0.310	0.310	0.219			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.505			
	Total = B							0.723			
		Net Qty = A - B						1.547	2.527	4.074	
	RG4 TO RG5										
	CH14.70	583.170	582.480	582.280			0.89	0.920			
	CH23.60	583.130	582.380	582.180			0.95				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			6.900	0.870	0.820	4.922	5.488	10.410	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock										
	(a) For Lift 0 to 1.5m	1			6.900	0.870	0.100	0.600	0.757	1.357	
	Item No. 7 :- Filling in plinth and floors/ trenches etc	1			6.900	0.870	0.200	1.201	1.514	2.714	
	Item No. : 11 Transportation of earth Transportation charges including							1.721	2.170	3.891	
	Extra Item No 9.4 b)-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			8.000			8.000	12.000	20.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							5.523			
	Deduction										
	pipe area	1		0.785	6.900	0.310	0.310	0.521			
	soling							0.000			
	PCC							0.000			
	Murum bedding							1.201			
	Total = B							1.721			
		Net Qty = A - B						3.802	4.074	7.876	
	RG5 TO RG6										
	CH23.60	583.130	582.380	582.180			0.95	0.920			
	CH26.50	582.980	582.290	582.090			0.89				



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

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

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Roshan Gate Sharif Colony-02 250mm-MB

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	RG7 TO RG8										
	CH31.40	582.880	582.250	582.050							
	CH42.30	582.780	582.230	582.030			0.83				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.						0.75	0.790			
	(a) For Lift 0 to 1.5m	1			8.900	0.870	0.340	2.633		11.812	14.445
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.900	0.870	0.350	2.710		1.157	3.867
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.900	0.870	0.100	0.774		1.688	2.462
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			8.900	0.870	0.200	1.549		3.376	4.924
	Item No. : 11 Transportation of earth Transportation charges including							2.220		4.839	7.059
	Extra Item No 9.4 b)-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			10.000			10.000		26.000	36.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							6.117			
	Deduction										
	pipe area	1									
	soling			0.785	8.900	0.310	0.310	0.671			
	PCC							0.000			
	Murum bedding							0.000			
	Total = B							1.549			
								2.220			
								3.897		9.818	13.715
	RG8 TO RG9										
	CH42.30	582.780	582.230	582.030							
	CH53.20	582.640	582.080	581.880			0.75				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.						0.76	0.755			
	(a) For Lift 0 to 1.5m	1			8.900	0.870	0.305	2.362		14.445	16.807
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.900	0.870	0.350	2.710		3.867	6.577
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.900	0.870	0.100	0.774		2.462	3.236
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			8.900	0.870	0.200	1.549		4.924	6.473
	Item No. : 11 Transportation of earth Transportation charges including							2.220		7.059	9.279
	Extra Item No 9.4 b)-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			10.000			10.000		36.000	46.000
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							5.846			
	Deduction										
	pipe area	1									
	soling			0.785	8.900	0.310	0.310	0.671			
	PCC							0.000			
								0.000			



and Zone Saham 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.

Roshan Gate Sharif Colony-02 250mm-MB

Date	Particulars of work	DETAILS						Content of area	Last measurement		TOTAL TO DATE
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Murram bedding							1.549			
	Total = B							2.220			
		Net Qty = A - B						3.626	13.715	17.341	
	RG9 TO RG10										
	CH53.20	582.640	582.080	581.880			0.76	0.815			
	CH56.10	582.640	581.970	581.770			0.87				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.900	0.870	0.365	0.286	16.807	17.092	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.900	0.870	0.350	0.274	6.577	6.851	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			0.900	0.870	0.100	0.078	3.236	3.315	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			0.900	0.870	0.200	0.157	6.473	6.629	
	Item No. : 11 Transportation of earth Transportation charges including							0.224	9.279	9.504	
	Extra Item No 9.4 b):-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			2.000			2.000	46.000	48.000	
	Item No 30 :- Refilling the excavated trenches ...										
	Total Excavation = A							0.638			
	Deduction										
	pipe area	1		0.785	0.900	0.310	0.310	0.068			
	soling							0.000			
	PCC							0.000			
	Murram bedding							0.157			
	Total = B							0.224			
		Net Qty = A - B						0.414	17.341	17.755	
	RG10 TO RG11										
	CH56.10	582.640	581.970	581.770			0.87	0.910			
	CH61.00	582.600	581.850	581.650			0.95				
	Item No. 1 :- Excavation for foundation/pipe trenches in all types of soil & soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.870	0.460	1.161	17.092	18.253	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.870	0.350	0.883	6.851	7.734	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.900	0.870	0.100	0.252	3.315	3.567	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			2.900	0.870	0.200	0.505	6.629	7.134	
	Item No. : 11 Transportation of earth Transportation charges including							0.723	9.504	10.227	
	Extra Item No 9.4 b):-Lowering & Laying RCC NP3 class pipe of 250mm Dia	1			4.000			4.000	48.000	52.000	
	Item No 30 :- Refilling the excavated trenches										
	Total Excavation = A							2.296			



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.95 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. :- 033
Page No. :-

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

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Roshan Gate Sharif Colony-02 Chamber Measurement

9th RA BILL MEASUREMENTS OF CHAMBERS ROSHAN GATE SHARIF COLONY -02

Date	Particulars of work	DETAILS					Content of arrears	Last measurement		Total Upto Date Quantity	
		GL	No IL	EX.L	L	B		D	Page		Quantity
	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										
	RG1										
	CH0.00	583.330	582.790	582.540			0.790				
	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	0.690	2.167	0.000	2.167	
	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							1.048	0.000	1.048	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						2.481				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.540	0.57			
	soiling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)						1.05				
	Net Qty = A - B						1.43	0.00	1.43		
	RG2										
	CH4.90	583.230	582.680	582.430			0.800				
	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	0.700	2.198	2.167	4.365	
	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							1.059	1.048	2.107	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=						2.512				
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.550	0.58			
	soiling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murrum bedding							0.00			
	Total (B)						1.06				
	Net Qty = A - B						1.45	1.43	2.89		
	RG3										
	CH0.00	583.290	582.580	582.330			0.960				



Name of work:- Development of Sewage Treatment 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.

Page No. 4-1030
 Date: 01/07/2014

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

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Roshan Gate Sharif Colony-02 Chamber Measurement

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. 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		1.884	2.198
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.143		7.017	8.160
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.763			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.630	0.67			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.14			
								1.62		10.03	11.65
	RG8										
	CH42.30	582.780	582.230	581.980			0.800				
	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	0.350	1.099		14.318	15.417
	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	0.350	1.099		3.297	4.396
	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		2.198	2.512
	Item No. : 11 Transportation of earth Transportation charges including loading & unloading							1.059		8.160	9.218
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.512			
	Deduction										
	Brick work	1.00		0.785	1.16	1.16	0.550	0.58			
	soling							0.00			
	PCC	1.00		0.785	1.56	1.56	0.25	0.48			
	Murum bedding							0.00			
	Total (B)							1.06			
								1.45		11.65	13.11
	RG9										
	CH53.20	582.640	582.080	581.830			0.810				
	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	0.360	1.130		15.417	16.548
	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	0.350	1.099		4.396	5.495



