

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.

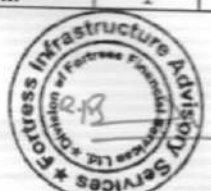
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Saujanya Nagar (New Balaji Nagar) Meas.Chember

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. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.000	3.140		121.461	124.601
	Item No. : 11 Transportation of earth Transportation charges							1.270		42.736	44.005
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.140</b>			
	<b>Deduction</b>										
	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			
	<b>Total (B)</b>							<b>1.270</b>			
								<b>Net Qty = A - B</b>		<b>102.524</b>	<b>104.394</b>
	Excavation of Chamber - For 0.6m X 0.9m Manhole (upto a depth of 1.5m)- 0.6+0.25+0.25+0.6=1.70m										
	Breadth 0.90+0.25+0.25+0.6=2.0m										
	SN 1/1										
	CH4.00	584.043	582.543	582.293			1.750				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	1.500	5.100		124.601	129.701
	(b) For Lift 1.5m to 3.0m	1			2.000	1.700	0.250	0.850		19.633	20.483
	Item No. : 11 Transportation of earth Transportation charges							2.830		44.005	46.835
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>5.950</b>			
	<b>Deduction</b>										
	Brick work	1			1.400	1.100	1.500	2.310			
	soling							0.000			
	PCC	1			1.600	1.300	0.250	0.520			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>2.830</b>			
								<b>Net Qty = A - B</b>		<b>104.394</b>	<b>107.514</b>
	SN 5/1										
	CH2.40	584.833	583.533	583.283			1.550				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.000	1.700	1.500	5.100		129.701	134.801
	(b) For Lift 1.5m to 3.0m	1			2.000	1.700	0.050	0.170		20.483	20.653



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Sl. No.	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 11 Transportation of earth Transportation charges							2.522		46.835	49.357
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							5.270			
	Deduction										
	Brick work	1			1.400	1.100	1.300	2.002			
	soling							0.000			
	PCC	1			1.600	1.300	0.250	0.520			
	Murrum bedding							0.000			
	Total (B)							2.522			
		Net Qty = A - B						2.748		107.514	110.262
	SN 2/2/1										
	CH10.30	585.383	584.203	583.953			1.430				
	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	1.430	4.490		134.801	139.291
	Item No. : 11 Transportation of earth Transportation charges							1.724		49.357	51.081
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.490			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.180	1.246			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.724			
		Net Qty = A - B						2.766		110.262	113.028
	SN 2/2/2										
	CH24.80	585.493	584.323	584.073			1.420				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.420	4.459		139.291	143.750
	Item No. : 11 Transportation of earth Transportation charges							1.713		51.081	52.795
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.459			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.170	1.236			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.713			
		Net Qty = A - B						2.745		113.028	115.773
	SN 2/2/3										
	CH36.40	585.773	584.573	584.323			1.450				



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Saujanya Nagar (New Balaji Nagar) Meas.Chamber

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	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	1.450	4.553		143.750	148.303
	Item No. : 11 Transportation of earth Transportation charges							1.745		52.795	54.540
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>4.553</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.200	1.268			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>1.745</b>			
		<b>Net Qty = A - B</b>							<b>2.808</b>	<b>115.773</b>	<b>118.581</b>
	SN 2/2/4										
	CH43.80	585.923	584.733	584.483			1.440				
	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	1.440	4.522		148.303	152.824
	Item No. : 11 Transportation of earth Transportation charges							1.735		54.540	56.275
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>4.522</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.190	1.257			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>1.735</b>			
		<b>Net Qty = A - B</b>							<b>2.787</b>	<b>118.581</b>	<b>121.368</b>
	SN 1/1										
	CH14.50	584.073	582.743	582.493			1.580				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.500	4.710		152.824	157.534
	(b) For Lift 1.5m to 3.0m	1			0.785	4.000	0.080	0.251		20.653	20.904
	Item No. : 11 Transportation of earth Transportation charges							1.882		56.275	58.157
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>4.961</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.330	1.405			
	soling							0.000			



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Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone VII. M. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshatravadi (Kanchanwadi), Banewadi, Siddharth Garden, Janta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commissioning of sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward No. 4 and CIDCO (Airport). Providing, lowering, laying jointing and testing rising main (RTM) from Colaba SPS to Nakshatravadi (Kanchanwadi) STP and Ward No. 09 & 10.

Saujanya Nagar (New Balaji Nagar) 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							
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.882			
	Net Qty = A - B								3.079	121.368	124.447
	SN 1.2										
	CH24.20	583.983	582.763	582.513			1.470				
	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	1.470	4.616	157.534	162.150	
	Item No. : 11 Transportation of earth Transportation charges							1.766	58.157	59.923	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.616			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.220	1.289			
	soiling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.766			
	Net Qty = A - B								2.850	124.447	127.297
	SN 1/3										
	CH34.20	583.963	582.873	582.623			1.340				
	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	1.340	4.208	162.150	166.358	
	Item No. : 11 Transportation of earth Transportation charges							1.629	59.923	61.552	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							4.208			
	Deduction										
	Brick work	1		0.785	1.160	1.160	1.090	1.151			
	soiling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	Total (B)							1.629			
	Net Qty = A - B								2.579	127.297	129.875
	SN 1.4										
	CH44.50	584.093	582.943	582.693			1.400				
	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	1.400	4.396	166.358	170.754	
	Item No. : 11 Transportation of earth Transportation charges							1.692	61.552	63.245	



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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.

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Saujanya Nagar (New Balaji Nagar) 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. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>						<b>4.396</b>				
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.150	1.215			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	<b>Total (B)</b>							<b>1.692</b>			
		Net Qty = A - B						<b>2.704</b>	129.875	132.579	
	SN 1/5										
	CH52.95	584.033	582.963	582.713			1.320				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	4.000	1.320	4.145	170.754	174.899	
	Item No. : 11 Transportation of earth Transportation charges							1.608	63.245	64.852	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>4.145</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	1.070	1.130			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	<b>Total (B)</b>							<b>1.608</b>			
		Net Qty = A - B						<b>2.537</b>	132.579	135.116	
	SN 2/8/1										
	CH6.00	585.443	584.743	584.493			0.950				
	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	0.750	2.355	174.899	177.254	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murram etc complete.										
	(a) For Lift 0 to 1.5m	1			0.785	7.075	0.200	1.111	0.000	1.111	
	Item No. : 11 Transportation of earth Transportation charges							1.217	64.852	66.069	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.466</b>			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.700	0.739			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murram bedding							0.000			
	<b>Total (B)</b>							<b>1.217</b>			
		Net Qty = A - B						<b>2.249</b>	135.116	137.365	



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Name of work :- Construction of Underground Sewerage Collection system for Zone I to VI  
 Nature of work :- Contracting, Erecting, Testing and Commissioning of Sewerage Treatment  
 Plant using modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth  
 Garden, Pata, Padgaon, CIDCO (Airport), Construction, Erection, Testing and Commission  
 of Sewerage treatment stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward  
 No.98 and CIDCO (Airport) Providing, lowering, laying jointing and testing rising main  
 from Banewadi to Banewadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to  
 STP at Banewadi City.

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

Saujanya Nagar (New Balaji Nagar) 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							
SN 2/8/2											
CH17.60		585.863	585.233	584.983			0.880				
	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	0.680	2.135		177.254	179.389
	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	0.200	1.111		1.111	2.222
	Item No. : 11 Transportation of earth Transportation charges							1.143		66.069	67.212
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							3.246			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.630	0.665			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							1.143			
								<b>Net Qty = A - B</b>			
SN 2/8/3								2.103	137.365	139.468	
CH24.40		586.093	585.453	585.203			0.890				
	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	4.000	0.690	2.167		179.389	181.555
	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	0.200	1.111		2.222	3.332
	Item No. : 11 Transportation of earth Transportation charges							1.154		67.212	68.366
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							3.277			
	<b>Deduction</b>										
	Brick work	1		0.785	1.160	1.160	0.640	0.676			
	soling							0.000			
	PCC	1		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							1.154			
								<b>Net Qty = A - B</b>			
SN 2/2/1/1								2.124	139.468	141.591	
CH9.20		585.573	584.663	584.413			1.160				



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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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Saujanya Nagar (New Balaji Nagar) 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	1.160	3.642		181.555	185.198	
	Item No. : 11 Transportation of earth Transportation charges							1.439		68.366	69.805	
	Item No. 30 :- Refilling the excavated trenches ...											
	<b>Total Excavation(A)=</b>							<b>3.642</b>				
	<b>Deduction</b>											
	Brick work	1		0.785	1.160	1.160	0.910	0.961				
	soling							0.000				
	PCC	1		0.785	1.560	1.560	0.250	0.478				
	Murrum bedding							0.000				
	<b>Total (B)</b>							<b>1.439</b>				
		<b>Net Qty = A - B</b>										
	<b>SN 2/2/1/2</b>							<b>2.204</b>		<b>141.591</b>	<b>143.795</b>	
	CH22.00	585.553	584.813	584.563			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	0.990	3.109		185.198	188.306	
	Item No. : 11 Transportation of earth Transportation charges							1.259		69.805	71.064	
	Item No. 30 :- Refilling the excavated trenches ...											
	<b>Total Excavation(A)=</b>							<b>3.109</b>				
	<b>Deduction</b>											
	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				
	<b>Total (B)</b>							<b>1.259</b>				
		<b>Net Qty = A - B</b>										
	<b>SN 1/1 A</b>							<b>1.849</b>		<b>143.795</b>	<b>145.644</b>	
	CH4.40	583.993	582.993	582.743			1.250					
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			2.000	1.700	1.250	4.250		188.306	192.556	
	Item No. : 11 Transportation of earth Transportation charges							2.060		71.064	73.124	
	Item No. 30 :- Refilling the excavated trenches ...											
	<b>Total Excavation(A)=</b>							<b>4.250</b>				
	<b>Deduction</b>											
	Brick work	1			1.400	1.100	1.000	1.540				
	soling							0.000				
	PCC	1			1.600	1.300	0.250	0.520				



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Saujanya Nagar (New Balaji Nagar) 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							
	Murrum bedding										
	Total (B)						0.000				
		Net Qty = A - B						2.060			
		Net Qty = A - B						2.190	145.644	147.834	
	Excavation of Chamber - For 0.6m X 0.45m Manhole (upto a depth of 1.5m)- 0.45+0.25+0.25+0.6=1.55m										
	Breadth 0.60+0.25+0.25+0.5=1.70m										
	SN 2/1										
	CH7.00	584.283	583.683	583.233			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			1.550	1.700	1.050	2.767	152.824	155.591	
	Item No. : 11 Transportation of earth Transportation charges							1.351	56.275	57.625	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.767			
	Deduction										
	Brick work	1			1.100	0.950	0.600	0.627			
	PCC	1			1.300	1.150	0.250	0.374			
	Soling	1			1.400	1.250	0.200	0.350			
								1.351			
		Net Qty = A - B						1.416	121.368	122.784	
	SN 2/2										
	CH10.00	584.283	583.683	583.233			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			1.550	1.700	1.050	2.767	155.591	158.358	
	Item No. : 11 Transportation of earth Transportation charges							1.351	57.625	58.976	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							2.767			
	Deduction										
	Brick work	1			1.100	0.950	0.600	0.627			
	PCC	1			1.300	1.150	0.250	0.374			
	Soling	1			1.400	1.250	0.200	0.350			
								1.351			
		Net Qty = A - B						1.416	122.784	124.200	
	SN 3/1										
	CH11.00	584.558	583.958	583.508			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			1.550	1.700	1.050	2.767	158.358	161.125	
	Item No. : 11 Transportation of earth Transportation charges							1.351	58.976	60.327	



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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.

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Saujanya Nagar (New Balaji Nagar) Meas.Chember

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. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>						2.767				
	<b>Deduction</b>										
	Brick work	1			1.100	0.950	0.600	0.627			
	PCC	1			1.300	1.150	0.250	0.374			
	Soling	1			1.400	1.250	0.200	0.350			
							1.351				
							<b>Net Qty = A - B</b>	1.416	124.200	125.616	
	SN 3/2										
	CH3.00	584.558	583.958	583.508			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			1.550	1.700	1.050	2.767	161.125	163.891	
	Item No. : 11 Transportation of earth Transportation charges							1.351	60.327	61.678	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>						2.767				
	<b>Deduction</b>										
	Brick work	1			1.100	0.950	0.600	0.627			
	PCC	1			1.300	1.150	0.250	0.374			
	Soling	1			1.400	1.250	0.200	0.350			
							1.351				
							<b>Net Qty = A - B</b>	1.416	125.616	127.032	
	SN 2/3/2										
	CH7.00	584.343	583.743	583.293			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			1.550	1.700	1.050	2.767	163.891	166.658	
	Item No. : 11 Transportation of earth Transportation charges							1.351	61.678	63.028	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>						2.767				
	<b>Deduction</b>										
	Brick work	1			1.100	0.950	0.600	0.627			
	PCC	1			1.300	1.150	0.250	0.374			
	Soling	1			1.400	1.250	0.200	0.350			
							1.351				
							<b>Net Qty = A - B</b>	1.416	127.032	128.448	
	SN 2/3/4										
	CH9.00	0.000	0.000	-0.450			0.450				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.550	1.700	0.450	1.186	166.658	167.844	
	Item No. : 11 Transportation of earth Transportation charges							0.724	63.028	63.752	



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Saujanya Nagar (New Balaji Nagar) Meas.Chember

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 ...										
	<b>Total Excavation=</b>						1.186				
	<b>Deduction</b>										
	Brick work	1			1.100	0.950	0.000				
	PCC	1			1.300	1.150	0.250				
	Soling	1			1.400	1.250	0.200				
							0.724				
							<b>Net Qty = A - B</b>	0.462	128.448	128.910	
	SN 2/8/1										
	CH5.00	585.473	584.873	584.423			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			1.550	1.700	1.050	2.767	167.844	170.611	
	Item No. : 11 Transportation of earth Transportation charges							1.351	63.752	65.103	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							2.767			
	<b>Deduction</b>										
	Brick work	1			1.100	0.950	0.600	0.627			
	PCC	1			1.300	1.150	0.250	0.374			
	Soling	1			1.400	1.250	0.200	0.350			
								1.351			
							<b>Net Qty = A - B</b>	1.416	128.910	130.326	
	SN 2/8/2										
	CH3.40	585.473	584.873	584.423			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			1.550	1.700	1.050	2.767	170.611	173.377	
	Item No. : 11 Transportation of earth Transportation charges							1.351	65.103	66.454	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							2.767			
	<b>Deduction</b>										
	Brick work	1			1.100	0.950	0.600	0.627			
	PCC	1			1.300	1.150	0.250	0.374			
	Soling	1			1.400	1.250	0.200	0.350			
								1.351			
							<b>Net Qty = A - B</b>	1.416	130.326	131.742	
	SN 2/8/3										
	CH8.40	0.000	0.000	-0.450			0.450				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.550	1.700	0.450	1.186	173.377	174.563	
	Item No. : 11 Transportation of earth Transportation charges							0.724	66.454	67.177	



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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.

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Saujanya Nagar (New Bala) Nagar Meas.Chamber

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EXL							
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>						1.186				
	<b>Deduction</b>										
	Brick work	1			1.100	0.950	0.000	0.000			
	PCC	1			1.300	1.150	0.250	0.374			
	Soling	1			1.400	1.250	0.200	0.350			
							0.724				
	<b>Net Qty = A - B</b>						0.462	131.742	132.204		
	SN 2/2/1/1										
	CH2.60	585.483	584.883	584.433			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			1.550	1.700	1.050	2.767	174.563	177.330	
	Item No. : 11 Transportation of earth Transportation charges							1.351	67.177	68.528	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>						2.767				
	<b>Deduction</b>										
	Brick work	1			1.100	0.950	0.600	0.627			
	PCC	1			1.300	1.150	0.250	0.374			
	Soling	1			1.400	1.250	0.200	0.350			
							1.351				
	<b>Net Qty = A - B</b>						1.416	132.204	133.620		
	SN 2/2/1/2										
	CH5.20	585.483	584.883	584.433			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			1.550	1.700	1.050	2.767	177.330	180.097	
	(b) For Lift 1.5m to 3.0m	1			1.550	1.700	0.000	0.000	20.653	20.653	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.550	1.700	0.000	0.000	3.332	3.332	
	Item No. 4:- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			1.550	1.700	0.000	0.000	4.165	4.165	
	Item No. : 11 Transportation of earth Transportation charges							1.351	68.528	69.879	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>						2.767				
	<b>Deduction</b>										
	Brick work	1			1.100	0.950	0.600	0.627			
	PCC	1			1.300	1.150	0.250	0.374			
	Soling	1			1.400	1.250	0.200	0.350			
							1.351				
	<b>Net Qty = A - B</b>						1.416	133.620	135.036		



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... Sewerage Collection system for Zone I to VI  
... Testing and Commissioning of Sewage Treatment  
... (Kanchanwadi), Banewadi, Siddharth  
... (Airport), Construction, Erection, Testing and Commission  
... Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward  
... laying jointing and testing rising main

**Saujanya Nagar (New Balaji Nagar) CHEMBER  
ITEM 2 & 2.111 MEASUREMENTS CHEMBER DETAILS SAUJANYA NAGAR (NEW BALAJI  
NAGAR)**

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth		Total Rebate Qty for 50 cm
		No			of 2.0 mtr		
		GL	IL	DEPTH	For per 50 cm		
<b>A</b> Item No. 21 : Providing and constructing on sewer.BBM manhole 1.2 m dia at bottom and 0.5 m dia at top and up to a depth of 2.0 M etc., complete							
SAUJANYA NAGAR (NEW BALAJI NAGAR)							
1	SN 0	583.683	581.883	1.800	2.000	-0.200	-14.610 ✓
2	SN 1	583.993	582.213	1.780	2.000	-0.220	
3	SN 2	584.183	582.593	1.590	2.000	-0.410	
4	SN 3	584.458	582.833	1.625	2.000	-0.375	
5	SN 4	584.703	583.103	1.600	2.000	-0.400	
6	SN 5	584.783	583.283	1.500	2.000	-0.500	
7	SN 6	585.343	583.703	1.640	2.000	-0.360	
8	SN 7	585.543	583.933	1.610	2.000	-0.390	
9	SN 8	585.743	584.263	1.480	2.000	-0.520	
10	SN 9	585.833	584.533	1.300	2.000	-0.700	
11	SN 2/1	584.243	582.883	1.360	2.000	-0.640	
12	SN 2/2	584.213	583.043	1.170	2.000	-0.830	
13	SN 2/3	584.243	583.103	1.140	2.000	-0.860	
14	SN 2/4	584.303	583.203	1.100	2.000	-0.900	
<b>TOTAL</b>						<b>-7.305</b>	<b>-14.610</b>
SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth		Total Rebate Qty for 30 cm
		No			of 1.5 mtr		
		GL	IL	DEPTH	For per 30 cm		
<b>B</b> Extra Item No. 02 : Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete							
SAUJANYA NAGAR (NEW BALAJI NAGAR)							
1	SN 2/5	585.353	584.367	0.986	1.500	-0.514	-31.047 ✓
2	SN 2/6	585.313	584.453	0.860	1.500	-0.640	
3	SN 2/7	585.333	584.463	0.870	1.500	-0.630	
4	SN 2/8	585.373	584.623	0.750	1.500	-0.750	
5	SN 2/2/1	585.383	584.203	1.180	1.500	-0.320	
6	SN 2/2/2	585.493	584.323	1.170	1.500	-0.330	
7	SN 2/2/3	585.773	584.573	1.200	1.500	-0.300	
8	SN 2/2/4	585.923	584.733	1.190	1.500	-0.310	
9	SN 1/1	584.073	582.743	1.330	1.500	-0.170	
10	SN 1/2	583.983	582.763	1.220	1.500	-0.280	
11	SN 1/3	583.963	582.873	1.090	1.500	-0.410	
12	SN 1/4	584.093	582.943	1.150	1.500	-0.350	
13	SN 1/5	584.033	582.963	1.070	1.500	-0.430	
14	SN 2/8/1	585.443	584.743	0.700	1.500	-0.800	
15	SN 2/8/2	585.863	585.233	0.630	1.500	-0.870	
16	SN 2/8/3	586.093	585.453	0.640	1.500	-0.860	
17	SN 2/2/1/1	585.573	584.663	0.910	1.500	-0.590	
18	SN 2/2/1/2	585.553	584.813	0.740	1.500	-0.760	
<b>TOTAL</b>						<b>-9.314</b>	<b>-31.047</b>
SR NO	CHEMBER NUMBER	DETAILS			Rebate up to Depth		Total Rebate Qty for 30 cm
		No			of 1.5 mtr		
		GL	IL	DEPTH	For per 30 cm		
<b>C</b> Extra Item No. 03 : Providing and constructing on sewer.BBM manhole 0.6 x 0.9 m dia at and up to a depth of 1.5 M etc., complete							
SAUJANYA NAGAR (NEW BALAJI NAGAR)							
1	SN 1/1	584.043	582.543	1.500	1.500	0.000	-2.333
2	SN 5/1	584.833	583.533	1.300	1.500	-0.200	
3	SN 1/1A	583.993	582.993	1.000	1.500	-0.500	
<b>TOTAL</b>						<b>-0.700</b>	<b>-2.333</b>



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Name of work:- Development of Underground Sewerage Collection System 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)

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

1

Saujanya Nagar (New Balaji Nagar) BBM Work

**9<sup>th</sup> RA BILL MEASUREMENTS (BBM WORK)  
SAUJANYA NAGAR (NEW BALAJI 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							
	<b>Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.</b>										
	Long Wall	40			1.060	0.230	0.600	5.851		5.851	
	Short Wall	40			0.450	0.230	0.600	2.484	0.000	8.335	
	<b>Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.</b>										
	Long Wall	40			0.600		0.600	14.400	0.000	14.400	
	Short Wall	40			0.450		0.600	10.800	14.400	25.200	
	<b>Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.</b>										
	(a) Long Wall	40			1.060		0.600	25.440	0.000	25.440	
	(b) Short Wall	40			0.910		0.600	21.840	25.440	47.280	
	<b>Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.</b>										
	(a) Long Wall Internal	40			0.600		0.600	14.400	0.000	14.400	
	(b) Short Wall Internal	40			0.450		0.600	10.800	14.400	25.200	
	(c) Long Wall External	40			1.060		0.600	25.440	25.200	50.640	
	(d) Short Wall External	40			0.910		0.600	21.840	50.640	72.480	
	<b>Extra Item :5(b) - Providing &amp; Casting M15 Grade PCC for manhole etc complete.</b>										
	PCC	20			1.300	1.150	0.150	4.485	0.000	4.485	
	<b>Extra Item 9.8 a) Supplying of Heavy Duty RCC (S.F.R.C.) Manhole cover with frame of Size 0.6mx0.45m</b>	20						20.000	0.000	20.000	



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Saujanya Nagar (New Bahaji Nagar) Quantity Abstract

QUANTITY ABSTRACT

Sr. No.	Description	ITEM 1		ITEM 3		ITEM 4		ITEM 7 (ITEM 1)		ITEM 12		ITEM 21		ITEM 21.1		ITEM 30		ITEM 35		Extra Item 2		Extra Item 3		Extra Item 3.a		Extra Item 4				Extra Item 5.1				Extra Item 5.2														
		Q	Rate	Q	Rate	Q	Rate	Q	Rate	Q	Rate	Q	Rate	Q	Rate	Q	Rate	Q	Rate	Q	Rate	Q	Rate	Q	Rate	a	b	c	d	e	f	g	h	i	j													
	For Pipe	0-1.5	18.336	0-1.5	0.036	0-1.5	0.036	0-1.5	0.036	250mm	215.320	0-2 m	14.000	-14.610	325.745	0.500	0-1.5 m	16.000	0-1.5 m	16.000	RR 1420	2.000	0-1.5 m	3.000	0-1.5 m	3.000	25.200	8.335	25.200	72.480	72.480	4.49	180.43	41.00	70.35	0.00	180.43	41.00	70.35	0.00	180.43	41.00	70.35	0.00	180.43	41.00	70.35	0.00
	For Manholes	180.000	30.000	20.000	3.000	20.000	3.000	20.000	3.000	215.320	215.320	14.000	-14.610	460.781	0.500	16.000	2.000	2.000	2.000	31.047	31.047	2.000	3.000	-2.33	8.335	25.200	8.335	25.200	72.480	72.480	4.49	180.43	41.90	79.35	0.00	180.43	41.90	79.35	0.00	180.43	41.90	79.35	0.00	180.43	41.90	79.35	0.00	
	Total	180.000	30.000	20.000	3.000	20.000	3.000	20.000	3.000	215.320	215.320	14.000	-14.610	460.781	0.500	16.000	2.000	2.000	2.000	31.047	31.047	2.000	3.000	-2.33	8.335	25.200	8.335	25.200	72.480	72.480	4.49	180.43	41.90	79.35	0.00	180.43	41.90	79.35	0.00	180.43	41.90	79.35	0.00					

*(Signature)*  
 Ex. Engineer

*(Signature)*  
 Dy. Engineer

*(Signature)*  
 Jr. Engineer



PMC



Total up to Date	10
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9th RA BILL MEASUREMENTS SW PIPE VISHNU 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							
	<b>SW PIPE - 300 mm Dia</b>										
	Width of Trench - For Lift 0 to 1.50m- $0.300+0.02+0.02+0.5=0.840m$										
	For Lift 1.5 to 3.00m- $0.300+0.02+0.02+0.5+0.4=$ 1.240m										
	For Lift 3.0 to 4.5m- $0.300+0.02+0.02+0.5+0.4+0.4$ =1.640m										
	<b>V0 TO V1</b>										
	CH0.00	581.260	580.800	580.700			0.560	0.690			
	CH9.50	581.560	580.840	580.740			0.820				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.500	0.840	0.590	4.213	0.000	4.213 ✓	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			8.500	0.840	0.100	0.714	0.000	0.714 ✓	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			8.800	0.840	0.100	0.739	0.000	0.739 ✓	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.447	0.000	1.447 ✓	
	Extra Item No.9.2 :- Lowering,Laying & jointing of SW pipe of 300mm Dia	1			9.050			9.050	0.000	9.050 ✓	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							4.927			
	<b>Deduction</b>										
	pipe area	1.00		0.785	8.800	0.320	0.320	0.707			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.739			
								1.447			
								<b>Net Qty = A - B</b>	3.480	0.000	3.480 ✓
	<b>V1 TO V2</b>										
	CH9.50	581.560	580.840	580.740			0.820	0.835			
	CH13.70	581.600	580.850	580.750			0.850				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			2.500	0.840	0.735	1.543	4.213	5.756 ✓	
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			2.500	0.840	0.100	0.210	0.714	0.924 ✓	



*f*

Vishnu Nagar SW Pipe-Measurment Line

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete (bedding)	1			2.800	0.840	0.100	0.235		0.739	0.974 ✓
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.460		1.447	1.907 ✓
	Extra Item No.9.2 :- Lowering,Laying & jointing of SW pipe of 300mm Dia	1			3.300			3.300		9.050	12.350 ✓
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>1.753</b>			
	<b>Deduction</b>										
	pipe area	1.00		0.785	2.800	0.320	0.320	0.225			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.235			
								<b>0.460</b>			
								<b>Net Qty = A - B</b>		<b>1.293</b>	<b>3.480</b>
	V2 TO V3									<b>4.773</b>	<b>4.773</b> ✓
	CH13.70	581.600	580.850	580.750				0.850			
	CH22.20	581.770	581.010	580.910				0.860	0.855		
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			7.100	0.840	0.755	4.503		5.756	10.259 ✓
	Item No. 4 :- Excavation for foundation/pipe trenches in soft rock etc complete.										
	(a) For Lift 0 to 1.5m	1			7.100	0.840	0.100	0.596		0.924	1.520 ✓
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			7.100	0.840	0.100	0.596		0.974	1.571 ✓
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.167		1.907	3.074 ✓
	Extra Item No.9.2 :- Lowering,Laying & jointing of SW pipe of 300mm Dia	1			7.600			7.600		12.350	19.950 ✓
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>5.099</b>			
	<b>Deduction</b>										
	pipe area	1.00		0.785	7.100	0.320	0.320	0.571			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.596			
								<b>1.167</b>			
								<b>Net Qty = A - B</b>		<b>3.932</b>	<b>4.773</b>
	Item No :35 Shifting of Existing Utilities Length considered up to 400mm including all and as directed by Engineer in-Charge				0.019						0.019 ✓



*J*



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 Nakshtravadi (Kancharwadi), Banerwadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Constructing, Erection, Testing and Commissioning of Sewage pumping stations at Banerwadi, 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 Nakshtravadi (Kancharwadi) STP and Ward No.98 STP for Aurangabad City.

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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

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Vishnu Nagar SW Pipe-Chamber Meas.

**9th RA BILL MEASUREMENTS CHEMBER VISHNU 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							
	<b>SW - 315mm Dia</b>										
	Excavation of Chamber - For 0.9 Dia. chamber up to Depth of 1.5mt- 0.9+0.5+0.3+0.3=2.0m										
	Area = 2 * 2=4m										
	V1										
	CH9.50	581.560	580.840	580.590			0.970				
	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	0.870	2.732	0.000	2.732 ✓	
	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 &							1.238	0.000	1.238 ✓	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.046</b>			
	<b>Deduction of 250mm dia pipe</b>										
	Brick work	1.00		0.785	1.160	1.160	0.720	0.761			
	soling							0.000			
	PCC	1.00		0.785	1.560	1.560	0.250	0.478			
	Murrum bedding							0.000			
	<b>Total (B)</b>							<b>1.238</b>			
	<b>Net Qty = A - B</b>							<b>1.808</b>	<b>0.000</b>	<b>1.808 ✓</b>	



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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 G.P.I.P pipe line from Golwadi SPS to Nakshtrawadi (Kanchanwadi) STP and Ward No.98 to STP at Sarangabad City.

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Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Vencture)  
Authority No. AMC/Ward B&C/UIDSSMT/2014/184 Date 01.07.2014

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Vishnu Nagar SW Pipe-CHEMBER

**9th R A BILL CHEMBER DETAILS VISHNU NAGAR**

SR NO	CHEMBER NUMBER	DETAILS			Rebate up to		Total
		No			Depth of 1.5		
		GL	IL	DEPTH	For per 30 cm		Qty for 30
A	Extra Item No. :2 Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	V1	581.560	580.840	0.720	1.5	-0.780	-2.60
	Total					-0.780	-2.600



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Vishnu Nagar SW Pipe-Quantity Abstract

QUANTITY ABSTRACT

VISHNU NAGAR

SR NO	Discription	MB/PG	ITEM 1		ITEM 4		ITEM 7		ITEM 11		ITEM 30		ITEM 35		Extra Item 2		Extra Item 2.a		Extra Item No.9.1		Extra Item No.9.2		
			0-1.5	10.259	0-1.5	1.520	1.571	3.074	8.705	0.019	0-1.5 m	Rebate	300mm	300mm	19.950	19.950	19.950	19.950	19.950	19.950	19.950	19.950	
1	For Pipe			10.259	1.520	1.571	3.074	8.705	0.019														
2	For Manhole			2.732	0.314		1.238	1.808															
	<b>Total</b>			12.991	1.834	1.571	4.312	10.513	0.019														



Authorized Signatory



PMC

Project Engineer

*[Signature]*

Jr. Engineer

CLIENT

*[Signature]*  
By Engineer

*[Signature]*  
Ex. Engineer

Sindhi colony (Balaji Nagar) SW Pipe Measurement Line

**Part A BILL MEASUREMENTS SW PIPE SINDHI COLONY(BALAJI 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							
	<b>SW PIPE - 250 mm Dia</b>										
	Width of Trench - For Lift 0 to 1.50m- $0.250+0.02+0.02+0.5=0.79m$										
	For Lift 1.5 to 3.00m- $0.250+0.02+0.02+0.5+0.4=1.19m$										
	For Lift 3.0 to 4.5m- $0.250+0.5+0.02+0.02+0.4+0.4=1.59m$										
	S1 (old) TO S2										
	CH1.00	582.060	580.810	580.710			1.350				
	CH3.10	582.040	580.840	580.740			1.300	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			1.650	0.790	1.325	1.727	0.000	1.727	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.950	0.790	0.100	0.154	0.000	0.154	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.266	0.000	0.266	
	Extra Item No.9.2:-Lowering & Laying of SW pipe of 250mm Dia	1			2.200			2.200	0.000	2.200	
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.727			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	1.950	0.270	0.270	0.112			
	soil							0.000			
	P.C.C							0.000			
	Murrum bedding							0.154			
								0.266			
	<b>Net Qty = A - B</b>							1.461	0.000	1.461	
	CH1.00	582.040	580.840	580.740			1.300				
	CH3.10	582.130	581.130	581.030			1.100	1.200			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.400	0.790	1.200	1.327	1.727	3.054	



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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), Constructing, 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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2

Sindhi colony (Balaji Nagar) SW Pipe Measurement Line

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			2.000	0.790	0.100	0.158		0.154	0.312
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.272		0.266	0.538
	Extra Item No.9.2:-Lowering & Laying of SW pipe of 250mm Dia	1			2.500			2.500		2.200	4.700
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.327			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	2.000	0.270	0.270	0.114			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.158			
								0.272			
								Net Qty = A - B		1.055	2.516
	S3 TO S4									1.461	2.516
	CH6.20	582.130	581.130	581.030			1.100				
	CH9.25	582.180	581.280	581.180			1.000	1.050			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.350	0.790	1.050	1.120		3.054	4.174
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.950	0.790	0.100	0.154		0.312	0.466
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.266		0.538	0.804
	Extra Item No.9.2:-Lowering & Laying of SW pipe of 250mm Dia	1			2.450			2.450		4.700	7.150
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.120			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	1.950	0.270	0.270	0.112			
	soling							0.000			
	PCC							0.000			
	Murum bedding							0.154			
								0.266			
								Net Qty = A - B		0.854	3.370
	S4 TO S5									2.516	3.370
	CH9.25	582.180	581.280	581.180			1.000				



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Sindhi colony (Belaji Nagar) SW Pipe Measurement Line

Sl. No.	Description of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
		582.280	581.380	581.280			1.000	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			1.300	0.790	1.000	1.027		4.174	5.201
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.900	0.790	0.100	0.150		0.466	0.616
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.259		0.804	1.063
	Extra Item No.9.2:-Lowering & Laying of SW pipe of 250mm Dia	1			2.400			2.400		7.150	9.550
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.027			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	1.900	0.270	0.270	0.109			
	soiling							0.000			
	PCC							0.000			
	Murrum bedding							0.150			
								0.259			
								<b>Net Qty = A - B</b>		3.370	4.139
	SS TO S6							0.768			
	CH12.25	582.280	581.380	581.280			1.000				
	CH15.25	582.380	581.530	581.430			0.950	0.975			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.300	0.790	0.975	1.001		5.201	6.202
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			1.900	0.790	0.100	0.150		0.616	0.766
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.259		1.063	1.321
	Extra Item No.9.2:-Lowering & Laying of SW pipe of 250mm Dia	1			2.400			2.400		9.550	11.950
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							1.001			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	1.900	0.270	0.270	0.109			
	soiling							0.000			
	PCC							0.000			



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Sindhi colony (Balaji Nagar) SW Pipe Chamber Meas.

**Part 3 - BILL MEASUREMENTS SW CHAMBER SINDHI COLONY (BALAJI 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							
	<b>SW - 250mm Dia</b>										
	Excavation of Chamber - For 1.7m Length for square chamber up to Depth of 2.0 m. L=0.6+0.5+0.3+0.3=1.7m										
	0.45m Width = B =0.45+0.5+0.3+0.3 =1.55m										
	S2										
	CH3.10	582.040	580.840	580.590			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			1.700	1.550	1.450	3.821	0.000	3.821 ✓	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.628	0.000	1.628 ✓	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.821</b>			
	Deduction of 250mm dia pipe										
	Brick work	1.00			1	1.100	0.950	1.200	1.254		
	soling								0.000		
	PCC	1.00			1	1.300	1.150	0.250	0.374		
	Murrum bedding								0.000		
	<b>Total (B)</b>								<b>1.628</b>		
	<b>Net Qty = A - B</b>							<b>2.193</b>	<b>0.000</b>	<b>2.193 ✓</b>	
	S3										
	CH6.20	582.130	581.130	580.880			1.250				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	1.250	3.294	3.821	7.114 ✓	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.419	1.628	3.046 ✓	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation(A)=</b>							<b>3.294</b>			
	Deduction of 250mm dia pipe										
	Brick work	1.00			1	1.100	0.950	1.000	1.045		
	soling								0.000		
	PCC	1.00			1	1.300	1.150	0.250	0.374		
	Murrum bedding								0.000		
	<b>Total (B)</b>								<b>1.419</b>		
	<b>Net Qty = A - B</b>							<b>1.875</b>	<b>2.193</b>	<b>4.068 ✓</b>	
	S4										
	CH9.25	582.180	581.280	581.030			1.150				



*Jr*



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.

2

## Sindhi colony (Balaji Nagar) SW Pipe Chamber Meas.

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	1.150	3.030		7.114	10.145 ✓
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.314		3.046	4.361 ✓
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.030			
	Deduction of 250mm dia pipe										
	Brick work	1.00			1	1.100	0.950	0.900	0.940		
	soling								0.000		
	PCC	1.00			1	1.300	1.150	0.250	0.374		
	Murrum bedding								0.000		
	Total (B)							1.314			
		Net Qty = A - B						1.716		4.068	5.784 ✓
	S5										
	CH12.25	582.280	581.380	581.130			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			1.700	1.550	1.150	3.030		10.145	13.175 ✓
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.314		4.361	5.675 ✓
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							3.030			
	Deduction of 250mm dia pipe										
	Brick work	1.00			1	1.100	0.950	0.900	0.940		
	soling								0.000		
	PCC	1.00			1	1.300	1.150	0.250	0.374		
	Murrum bedding								0.000		
	Total (B)							1.314			
		Net Qty = A - B						1.716		5.784	7.500 ✓
	S6										
	CH15.25	582.380	581.530	581.280			1.100				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			1.700	1.550	1.100	2.899		13.175	16.073 ✓
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.262		5.675	6.937 ✓
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation(A)=							2.899			



2



1

Sindhi colony (Balaji Nagar) SW Pipe 0.6mX0.45m MH Work

**9th R A BILL MEASUREMENTS OF BBM WORK**

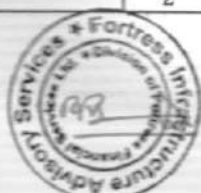
Date	Particulars of work	DETAILS				Content of arrears	Last measurement		Total Upto Date Quantity
		No	L	B	D		Page	Quantity	
<b>A Sindhi colony (balaji nagar)(Size 0.6m X0.45m)</b>									
<b>S2</b>									
	<b>Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.</b>								
	(a) Long Wall	2	1.060	0.230	1.300	0.634		0.000	0.634
	(b) Short Wall	2	0.450	0.230	1.300	0.269		0.000	0.269
	<b>Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.</b>								
	(a) Long Wall	2	0.600		1.300	1.560		0.000	1.560
	(b) Short Wall	2	0.450		1.300	1.170		0.000	1.170
	<b>Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.</b>								
	(a) Long Wall	2	1.060		1.300	2.756		0.000	2.756
	(b) Short Wall	2	0.910		1.300	2.366		0.000	2.366
	<b>Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.</b>								
	(a) Long Wall Internal	2	0.600		1.300	1.560		0.000	1.560
	(b) Short Wall Internal	2	0.450		1.300	1.170		0.000	1.170
	(c) Long Wall External	2	1.060		1.300	2.756		0.000	2.756
	(d) Short Wall External	2	0.910		1.300	2.366		0.000	2.366
	<b>Extra Item :5(b) - Providing &amp; Casting M15 Grade PCC for manhole etc complete.</b>								
	PCC	1	1.260	1.110	0.150	0.210		0.000	0.210
<b>S3</b>									
	<b>Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.</b>								
	(a) Long Wall	2	1.060	0.230	1.100	0.536		0.634	1.170
	(b) Short Wall	2	0.450	0.230	1.100	0.228		0.269	0.497
	<b>Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.</b>								
	(a) Long Wall	2	0.600		1.100	1.320		1.560	2.880
	(b) Short Wall	2	0.450		1.100	0.990		1.170	2.160
	<b>Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.</b>								
	(a) Long Wall	2	1.060		1.100	2.332		2.756	5.088
	(b) Short Wall	2	0.910		1.100	2.002		2.366	4.368



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## Sindhi colony (Balaji Nagar) SW Pipe 0.6mX0.45m MH Work

Extra Item :4(e) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.								
(a) Long Wall Internal	2	0.600		1.100	1.320		1.560	2.880
(b) Short Wall Internal	2	0.450		1.100	0.990		1.170	2.160
(c) Long Wall External	2	1.060		1.100	2.332		2.756	5.088
(d) Short Wall External	2	0.910		1.100	2.002		2.366	4.368
Extra Item :5(b) - Providing & Casting M15 Grade PCC for manhole etc complete.								
PCC	1	1.260	1.110	0.150	0.210		0.210	0.420
		S4						
Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.								
(a) Long Wall	2	1.060	0.230	1.000	0.488		1.170	1.658
(b) Short Wall	2	0.450	0.230	1.000	0.207		0.497	0.704
Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.								
(a) Long Wall	2	0.600		1.000	1.200		2.880	4.080
(b) Short Wall	2	0.450		1.000	0.900		2.160	3.060
Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.								
(a) Long Wall	2	1.060		1.000	2.120		5.088	7.208
(b) Short Wall	2	0.910		1.000	1.820		4.368	6.188
Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.								
(a) Long Wall Internal	2	0.600		1.000	1.200		2.880	4.080
(b) Short Wall Internal	2	0.450		1.000	0.900		2.160	3.060
(c) Long Wall External	2	1.060		1.000	2.120		5.088	7.208
(d) Short Wall External	2	0.910		1.000	1.820		4.368	6.188
Extra Item :5(b) - Providing & Casting M15 Grade PCC for manhole etc complete.								
PCC	1	1.260	1.110	0.150	0.210		0.420	0.629
		S5						
Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.								
(a) Long Wall	2	1.060	0.230	1.000	0.488		1.658	2.145
(b) Short Wall	2	0.450	0.230	1.000	0.207		0.704	0.911
Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.								
(a) Long Wall	2	0.600		1.000	1.200		4.080	5.280
(b) Short Wall	2	0.450		1.000	0.900		3.060	3.960



2



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), Bancwadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Bancwadi, 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)

3

Sindhi colony (Balaji Nagar) SW Pipe 0.6mX0.45m MH Work

<b>Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.</b>								
(a) Long Wall	2	1.060		1.000	2.120		7.208	9.328
(b) Short Wall	2	0.910		1.000	1.820		6.188	8.008
<b>Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.</b>								
(a) Long Wall Internal	2	0.600		1.000	1.200		4.080	5.280
(b) Short Wall Internal	2	0.450		1.000	0.900		3.060	3.960
(c) Long Wall External	2	1.060		1.000	2.120		7.208	9.328
(d) Short Wall External	2	0.910		1.000	1.820		6.188	8.008
<b>Extra Item :5(b) - Providing &amp; Casting M15 Grade PCC for manhole etc complete.</b>								
PCC	1	1.260	1.110	0.150	0.210		0.629	0.839
		<b>S6</b>						
<b>Extra Item :4(a) - Construction of Brick work of 230mm thk. for manhole etc complete.</b>								
(a) Long Wall	2	1.060	0.230	0.950	0.463		2.145	2.609
(b) Short Wall	2	0.450	0.230	0.950	0.197		0.911	1.107
					<b>TOTAL</b>			3.716
<b>Extra Item :4(b) - 12mm thk. Internal Plaster for manhole etc complete.</b>								
(a) Long Wall	2	0.600		0.950	1.140		5.280	6.420
(b) Short Wall	2	0.450		0.950	0.855		3.960	4.815
					<b>TOTAL</b>			11.235
<b>Extra Item :4(c) - 20mm thk. External Plaster for manhole etc complete.</b>								
(a) Long Wall	2	1.060		0.950	2.014		9.328	11.342
(b) Short Wall	2	0.910		0.950	1.729		8.008	9.737
					<b>TOTAL</b>			21.079
<b>Extra Item :4(d) - Providing fine Cement finish 1.5mm thk. for manhole etc complete.</b>								
(a) Long Wall Internal	2	0.600		0.950	1.140		5.280	6.420
(b) Short Wall Internal	2	0.450		0.950	0.855		3.960	4.815
(c) Long Wall External	2	1.060		0.950	2.014		9.328	11.342
(d) Short Wall External	2	0.910		0.950	1.729		8.008	9.737
					<b>TOTAL</b>			32.314
<b>Extra Item :5(b) - Providing &amp; Casting M15 Grade PCC for manhole etc complete.</b>								
PCC	1	1.260	1.110	0.150	0.210		0.839	1.049
					<b>TOTAL</b>			1.049



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Work of Sewerage Treatment and Collection system for Zone I to VI  
 including the work of Construction, Testing and Commissioning of Sewage Treatment  
 Plant and its various components at Nakharwadi (Kanchanwadi), Banerwadi, Siddharth  
 Garden, Padegaon, Golwadi, Zalta, Ward No. 98 to 100, etc. (Kanchanwadi) STP and  
 Ward No. 98 to 100, etc. (Kanchanwadi) STP and Ward No. 98 to 100, etc. (Kanchanwadi) STP

Contractor: M/s. Kailash Infrastructure Pvt.Ltd. & GECPL (Joint Venture)  
 Reference: S. No. 104/Ward BAC UDSNMT/2014/184 Date 01.07.2014

Sindhi colony (Balaji Nagar) SW Pipe CEMBER

**Bill & A BILL CEMBER DETAILS SINDHI COLONY(BALAJI NAGAR)**

SR NO	CEMBER NUMBER	DETAILS			Rebate up to Depth of 1.5 mtr For per 30 cm	Total Rebate Qty for 30 cm	
		No					
		GL	IL	DEPTH			
<b>SINDHI COLONY(BALAJI NAGAR)</b>							
A	Extra Item No. :2 Providing and constructing on sewer.BBM manhole 0.9 m dia at bottom and 0.5 m dia at top and up to a depth of 1.5 M etc., complete						
1	S7	582.480	581.730	0.750	1.5	-0.750	-2.50
	Total					-0.750	-2.50



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Sindhi colony (Balaji Nagar) SW Pipe Quantity Abstract

QUANTITY ABSTRACT																								
SINDHI COLONY(BALAJI NAGAR)																								
SR NO	Discription	MB/PG	ITEM 1		ITEM 7		ITEM 11		ITEM 30		Extra Item 2		Extra Item 2.a		Extra Item 4			Extra Item 5		Extra Item No.9.1		Extra Item No.9.2		
			0-1.5										0-1.5 m	Rebate	a	b	c	d	b	250mm	250mm			
1	For Pipe		6.309	0.826	1.424	4.886																		
2	For Manhole		19.213	0.826	9.630	15.892																		
	Total		25.523	0.826	9.630	15.892																		

CLIENT

Project Manager

Project Engineer

Mr. Engineer

Dy. Engineer

Ex. Engineer

CONTRACTOR

Authorised Signatory



al up to  
Date

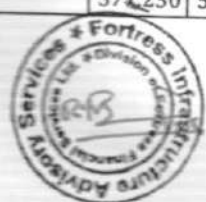
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... Sewerage Collection system for Zone I to VI  
... Testing and Commissioning of Sewage Treatment  
... (Kanchanwadi), Banewadi, Siddharth  
... Construction, Erection, Testing and Commission  
... Siddharth Garden, Padegaon, Golwadi, Zalta, Ward  
... laying, lowering, laying jointing and testing rising main  
... SPS in Nak (Kanchanwadi) STP and Ward No.98 to

Tanhaji Chowk (Shivshankar Colony) Meas. SW Pipe

**Bill Measurements SW PIPE TANHAJI CHOWK (SHIVSHANKAR COLONY)**

Date	Particulars of work	DETAILS						Content of arrears	Last measurement		Total Upto Date Quantity
		GL	No		L	B	D		Page	Quantity	
			IL	EX.L							
	SW PIPE - 250 mm Dia										
	Width of Trench - For Lift 0 to 1.50m- 0.250+0.02+0.02+0.5=0.790										
	For Lift 1.5 to 3.00m- 0.250+0.02+0.02+0.5+0.4= 1.190m										
	For Lift 3.0 to 4.5m- 0.250+0.5+0.02+0.02+0.4+0. 4=1.590m										
	TC 01 to TC 02										
	CH0.00	576.630	575.880	575.780			0.850				
	CH6.00	576.780	575.880	575.780			1.000	0.925			
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.300	0.790	0.625	2.123	0.000	2.123	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.300	0.790	0.300	1.019	0.000	1.019	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			4.600	0.790	0.100	0.363	0.000	0.363	
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.627	0.000	0.627	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			5.100			5.100	0.000	5.100	
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>3.142</b>			
	Deduction of 250mm dia pipe area	1.00		0.785	4.600	0.270	0.270	0.26			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.36			
								<b>0.63</b>			
								<b>Net Qty = A - B</b>			
	TC 02 to TC 03							2.52	0.00	2.52	
	CH6.00	576.780	575.880	575.780			1.000				
	CH20.90	577.230	576.330	576.230			1.000	1.000			



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2 Tanhaji Chowk (Shivshankar Colony) Meas. SW Pipe

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			12.900	0.790	0.700	7.134		2.123	9.257 ✓	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			12.900	0.790	0.300	3.057		1.019	4.076 ✓	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			13.500	0.790	0.100	1.067		0.363	1.430 ✓	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.839		0.627	2.466 ✓	
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			14.000			14.000		5.100	19.100 ✓	
	Item No. 30 :- Refilling the excavated trenches ...											
	<b>Total Excavation=</b>							<b>10.191</b>				
	Deduction of 250mm dia pipe											
	pipe area	1.00		0.785	13.500	0.270	0.270	0.77				
	soiling							0.00				
	PCC							0.00				
	Murrum bedding							1.07				
								<b>1.84</b>				
								<b>Net Qty = A - B</b>		<b>8.35</b>	<b>2.52</b>	<b>10.87</b> ✓
	TC 03 to TC 04											
	CH20.90	577.230	576.330	576.230			1.000	1.000				
	CH34.00	577.230	576.330	576.230			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			11.100	0.790	0.700	6.138		9.257	15.395 ✓	
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.											
	(a) For Lift 0 to 1.5m	1			11.100	0.790	0.300	2.631		4.076	6.707 ✓	
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			11.700	0.790	0.100	0.924		1.430	2.354 ✓	
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.594		2.466	4.060 ✓	



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Tanjaji Chowk (Shivshankar Colony) Meas. SW Pipe

Date	Particulars of work	DETAILS						Content of arrears	Last measurment		Total U <sub>1</sub> Date Quantit
		No			L	B	D		Page	Quantity	
		GL	IL	EX.L							
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			12.200			12.200		19.100	31.30
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							8.769			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	11.700	0.270	0.270	0.67			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.92			
								1.59			
	Net Qty = A - B							7.18		10.87	18.04
	TC 04 to TC 05										
	CH34.00	577.230	576.330	576.230			1.000	0.975			
	CH44.50	577.460	576.610	576.510			0.950				
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.500	0.790	0.675	4.533		15.395	19.928
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			8.500	0.790	0.300	2.015		6.707	8.722
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			9.100	0.790	0.100	0.719		2.354	3.073
	Item No. : 11 Transportation of earth Transportation charges including loading &							1.240		4.060	5.299
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			9.600			9.600		31.300	40.900
	Item No. 30 :- Refilling the excavated trenches ...										
	Total Excavation=							6.547			
	Deduction of 250mm dia pipe										
	pipe area	1.00		0.785	9.100	0.270	0.270	0.52			
	soling							0.00			
	PCC							0.00			
	Murrum bedding							0.72			
								1.24			
	Net Qty = A - B							5.31		18.04	23.31
	TC 05 to TC 06										
	CH44.50	577.460	576.610	576.510			0.950	0.925			
	CH51.20	577.500	576.700	576.600			0.900				

al up to Date

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Tanhaji Chowk (Shivshankar Colony) Meas. SW Pipe

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			4.700	0.790	0.625	2.321		19.928	22.248
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			4.700	0.790	0.300	1.114		8.722	9.836
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			5.300	0.790	0.100	0.419		3.073	3.492
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.722		5.299	6.021
	Extra Item No. 9.2 (d):- Lowering & Laying of SWG pipe of 250mm Dia	1			5.800			5.800		40.900	46.700
	Item No. 30 :- Refilling the excavated trenches ...										
	<b>Total Excavation=</b>							<b>3.435</b>			
	Deduction of 250mm dia pipe										
	pipe area	1.00									
	soling			0.785	5.300	0.270	0.270	0.30			
	PCC							0.00			
	Murrum bedding							0.42			
								<b>0.72</b>			
	<b>TC 06 to TC 07</b>							<b>2.71</b>		<b>23.35</b>	<b>26.06</b>
	CH51.20	577.500	576.700	576.600							
	CH56.40	577.880	576.980	576.880			0.900		0.950		
	Item No. 1 :- Excavation for foundation/pipe trenches in earth soils, Soft murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.200	0.790	0.650	1.643		22.248	23.892
	Item No. 2 :- Excavation for foundation/pipe trenches in Hard murrum etc complete.										
	(a) For Lift 0 to 1.5m	1			3.200	0.790	0.300	0.758		9.836	10.594
	Item No. 7 :- Filling in plinth and floors/ trenches etc complete.(bedding)	1			3.800	0.790	0.100	0.300		3.492	3.792
	Item No. : 11 Transportation of earth Transportation charges including loading &							0.518		6.021	6.539



2