



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Zalta, CIDCO (Airport).

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Sr. No.	Unit	Site		Volume	Allowed Vol. Loss in 24 hrs cum	Allowed Vol. Loss in 7 Days cum	Water level Readings							Total Loss in height m	Volume after 7 days cum	Volume Loss on 7th Day cum	Loss observed within permissible limit	Tank structure is hydraulic ally OK	Remark	
		Length m	Breadth m				Height m	15/03/2017	16/03/2017	17/03/2017	18/03/2017	19/03/2017	20/03/2017							21/03/2017
4000	4000	4.000	3.500	56.00	0.03	0.20	3.502	3.501	3.501	3.500	3.500	3.500	3.500	0.002	56.00	0.00				
5	Recirculation sump	4.500	2.500	33.75	0.02	0.12	3.000	2.999	2.999	2.999	2.999	2.999	2.998	0.002	33.75	0.02				
6	Recirculation sump	5.500	4.500	74.25	0.04	0.26	3.000	2.999	2.999	2.999	2.999	2.999	2.998	0.002	74.20	0.05				
Quantity executed upto RA Bill 12		25.00%		Quantity executed in RA Bill 13		60.00%														
Total Quantity		100.00%		Quantity executed upto date		85.00%														
				Percentage work done upto date		85.00%														
A Civil Work																				
2 Buildings Structure Work																				
2.2 Chlorination Building @ 1.5%																				
h Doors, Windows, Ventilator and Flooring Complete																				
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ²)														
	Ground Floor Flooring																			
	Door D	2	1.000	0.000	2.40	4.80														
	Window W	3	1.800	0.000	1.50	8.10														
	Ventilator V	3	1.800	0.000	0.60	3.24														
Quantity executed upto RA Bill 12		0.00		Quantity executed in RA Bill 13		16.14														
Total Quantity		16.14		Quantity executed upto date		16.14														
				Percentage work done upto date		100.0%														
2.3 Centrifuge feed pump house and Centrifuge Building @ 1.5%																				
h Doors, Windows, Ventilator and Flooring Complete																				

Handwritten signature and initials



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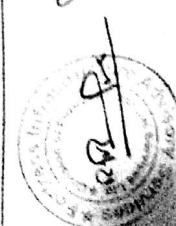
Authority No. AMC Ward B&C UIDSSMT 2014 184 Date 01.07.2014

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Kerb Stone Fixing		1	584.0	Completed		
BM		1	584.0			
AC		1	584.0			
Quantity executed upto RA Bill 12		0.00%	Quantity executed in RA Bill 13		56.82%	
Total Items		100.00%	Quantity executed upto date		56.82%	
			Percentage work done upto date		56.82%	
B Mechanical Work @ 38%						
2 Detritus Mechanisms @ 1.5%						
2.2 On Erection / Installation Complete @ 15%						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals
	Detritor Mechanism (8.0 M sq. x 0.9 M SWD x 0.5 M FB)					1 ✓
	Detritor Mechanism (8.0 M sq. x 0.9 M SWD x 0.5 M FB)					1 ✓
Quantity executed upto RA Bill 12		0.00	Quantity executed in RA Bill 13			2.00
Total Quantity		2.00	Quantity executed upto date			2.00
			Percentage work done upto date			100.00%
3 Aeration Assembly (including Diffusers and Air Grid), Coarse bubble diffusers in selector Zone						
3.2 On Erection / Installation Complete @ 15%						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals
	Aeration Assembly (Including Diffusers and Air Grid), Coarse bubble diffusers in selector Zone					2 Sets ✓
Quantity executed upto RA Bill 12		0.00%	Quantity executed in RA Bill 13			16.67% ✓
Total Quantity		100%	Quantity executed upto date			16.67% ✓
			Percentage work done upto date			16.67% ✓
4 Air Blowers for SBR Basin (Turbo)						
4.2 On Erection / Installation Complete @ 15%						

for civil work
Done by K. K. K.
3/8/14





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Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals
	On Supply of Air Blowers for SBR Basin (Turbo) Model Name MAX300-C060S1, Sr. No. MAX300-160201 to 203 (3 nos)	0.00%				3 Sets
	Total Quantity	100%				83.33%
	Lot					83.33%
	Percentage work done upto date					
	83.33%					
	83.33%					
	83.33%					
5	Treated Water Draw off Units (Decanters)					
5.2	On Erection/Installation Complete @ 15%					
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals
	On Supply of Treated Water Draw off units (Decanters) Sr.No.150104-A(Z1), 150104-B(Z2), 150104-C(Z3), 150104-D(Z4).	80.00%				4 Sets
	Total Quantity	100%				13.33%
	Lot					93.33%
	Percentage work done upto date					
	93.33%					
	93.33%					
	93.33%					
6	Returned Activated and Surplus Sludge Pumps					
6.2	On Erection/Installation Complete @ 15%					
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals
	On Supply of Returned Activated and Surplus Sludge Pumps (RAS- Sr.No.25724-05 Nos., SAS Sr.No.25725-05 Nos) along with all accessories.	0.00%				8 Pumps
	Total Quantity	100%				83.33%
	Lot					83.33%
	Percentage work done upto date					
	83.33%					
	83.33%					

Note :- 100% Quantity Executed upto RA 12th so hold amount to be release in this RA



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Total Quantity		100%	Lot	Quantity executed upto date		83.33%
				Percentage work done upto date		83.33%
6 Centrifuge Seed Pumps & Centrifuges, Sludge Thickener @ 2%						
c Sludge Thickener @ 1%						
B.2 On Erection/Installation Complete @ 15%						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals
	Sludge Thickener (13.5 M dia x 3.0 M SWD + 0.5 M FB)					1
Quantity executed upto RA Bill 12		0.00	Quantity executed in RA Bill 13			1.00
Total Quantity		1.00	Quantity executed upto date			1.00
			Percentage work done upto date			100.00%
C Electrical Work @ 10%						
1 H.T.Substation @ 2%						
a Transformer @ 0.5%						
a.2 On Erection/Installation Complete @ 15%						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals
	On Supply of Transformer (11 KV 1250 KVA OLTTC Transformer) Sr.No./N-45724/01					2
Quantity executed upto RA Bill 12		0.00%	Quantity executed in RA Bill 13			66.67%
Total Quantity		100%	Quantity executed upto date			66.67%
			Percentage work done upto date			66.67%
b D.G. Set @ 0.9%						
b.2 On Erection/Installation Complete @ 15%						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals



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On Supply of D.G.set (625 KVA) Engine Model DV12TAG2 Sr.No.-DV2.8301/1620010		Quantity executed upto RA Bill 12	0.00%	Quantity executed in RA Bill 13	50.00%	1	
Total Quantity		100%	Let	Quantity executed upto date	50.00%	4	
				Percentage work done upto date	50.00%		
2 MCC @ 1%							
2.1 On Supply of Material on site duly tested and inspected @ 75%							
Date of Measur	Particulars of work	DC No	Dated	Supplied By	Make	Quantity	Remark
	On Supply of Control Panel MCC-1, MCC-2 and APFC Panel, MLP (Main Lighting Panel)	M-000017	12/04/2017	Chavare Engineering	Chavare Engineering	4	Inspection SGS(Third Party)Report Attached
Quantity executed upto RA Bill 09	0.00	Quantity executed in RA Bill 10	4.00				
Total Quantity	L.S.	Quantity executed upto date	4.00				
				Percentage work done upto date	100.00%		
3 PCC @ 1%							
3.1 On Supply of Material on site duly tested and inspected @ 75%							
Date of Measur	Particulars of work	DC No	Dated	Supplied By	Make	Quantity	Remark
	On Supply of Control Panel PCC, Operator Console, PC Console, Lighting Material, Lighting DBS	M-000017	12/04/2017	Chavare Engineering	Chavare Engineering	1	Inspection SGS(Third Party)Report Attached
Quantity executed upto RA Bill 09	0.00	Quantity executed in RA Bill 10	1.00				
Total Quantity	L.S.	Quantity executed upto date	1.00				
				Percentage work done upto date	100.00%		
4 Cabling (Plant and Building) @ 2%							
b.1 Cabling @ 1.5%							
On Supply of Material on site duly tested and inspected @ 75%							
Date of Measur	Particulars of work	DC No	Dated	Supplied By	Make	Quantity (Rmt)	Remark
	On Supply of L.T. Cable & H.T. Cable HT Cable, LT Power Cable, LT Control Cable, Instrumentation Cable	0041	29/04/2017	Chavare Engineering	Chavare Engineering	1 Lot	
Quantity executed upto RA Bill 09	0.00	Quantity executed in RA Bill 10	1.00				
Total Quantity	L.S.	Quantity executed upto date	1.00				
				Percentage work done upto date	100.00%		

Dr. E. S. ...





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Quantity as per BOQ	Upto date quantity	Quantity Upto last bill	Quantity Since Previous	Item No.	Description of Item	MB page No.	Unit	Rate		Part rate	Payment on the basis of actual measurements (Amount)		
								Full Rate	8		Upto date Amount	10	Amount Upto last bill
1	2	3	4	4	5	6	7	8	9	10	11	12	
0.50%	0.400%	0.300%	0.100%	4.	Approval of RCC, Mechanical, electrical & instrumentation design			1510789		1208631	906473	302158	
9.00%	8.90%	7.03%	0.10%		Total			27194197		26892040	26589882	302158	
				II	CONSTRUCTION WORK PAYMENT SCHEDULE								
				A	Civil Works - Total 35%			105755210					
				1	Water Retaining Structure								
				1.1	Inlet chamber, fine Screen Chamber @ 0.5%								
7.50%	7.500%	7.500%	0.000%	a	Excavation and dressing Complete			1510789					
10.00%	10.000%	10.000%	0.000%	b	PCC M15 for Bed Concrete / Levelling Course Complete			113309		113309	113309	0	
30.00%	30.000%	30.000%	0.000%	c	RCC Raft			453237		453237	453237	0	
20.00%	20.000%	20.000%	0.000%	d	Walls Half Height Complete			302158		302158	302158	0	
20.00%	20.000%	20.000%	0.000%	e	Walls Full Height Complete			302158		302158	302158	0	
5.00%	3.500%	2.500%	1.000%	f	Platforms / Walkway and Railling Complete			75539		52878	37770	15108	
100.00%	91.00%	90.00%	1.00%		Total			1510789		1374819	1359711	15108	
7.50%	7.500%	7.500%	0.000%	1.2	Degritting Units @ 0.5%			1510789					
10.00%	10.000%	10.000%	0.000%	a	Excavation and dressing Complete			113309		113309	113309	0	
30.00%	30.000%	30.000%	0.000%	b	PCC M15 for Bed Concrete / Levelling Course Complete			151079		151079	151079	0	
20.00%	20.000%	20.000%	0.000%	c	RCC Raft			453237		453237	453237	0	
20.00%	20.000%	20.000%	0.000%	d	Walls Half Height Complete			302158		302158	302158	0	
20.00%	20.000%	20.000%	0.000%	e	Walls Full Height Complete			302158		302158	302158	0	
5.00%	4.000%	2.500%	1.500%	f	Platforms / Walkway and Railling Complete			75539		60432	37770	22662	
100.00%	91.50%	90.00%	1.50%		Total			1510789		1382373	1359711	22662	
7.50%	7.500%	7.500%	0.000%	1.3	SHR Basin 14.5%			43012873					
10.00%	10.000%	10.000%	0.000%	a	Excavation and dressing Complete			3285965		3285965	3285965	0	
30.00%	30.000%	30.000%	0.000%	b	PCC M15 for Bed Concrete / Levelling Course Complete			4381287		4381287	4381287	0	
20.00%	20.000%	20.000%	0.000%	c	RCC Raft			13143862		13143862	13143862	0	
20.00%	20.000%	20.000%	0.000%	d	Walls Half Height Complete			8762575		8762575	8762575	0	

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Quantity as per BOQ	Upto date quantity	Quantity Upto last bill	Quantity Since Previous	Item No.	Description of Item	MB page No.	Unit	Rate		Payment on the basis of actual measurements (Amount)		
								Full Rate	Part rate	Upto date Amount	Amount Upto last bill	Since Previous
1	2	3	4	4	5	6	7	8	9	10	11	12
20.00%	20.000%	20.000%	0.000%	e	Walls Full Height Complete			8762575		8762575	8762575	0
5.00%	5.000%	4.057%	0.944%	f	Platforms / Walkway and Railling Complete			2190644		1777269	1777269	413375
100.00%	92.50%	91.56%	0.94%		Total			43812873		40526908	40113533	413375
7.50%	7.500%	7.500%	0.000%	1.4	Chlorine Contact Tank 1%			3021577				0
10.00%	10.000%	10.000%	0.000%	a	Excavation and dressing Complete			226618		226618	226618	0
30.00%	30.000%	30.000%	0.000%	b	PCC M15 for Bed Concrete / Levelling Course Complete			302158		302158	302158	0
20.00%	20.000%	20.000%	0.000%	c	RCC Raft			906473		906473	906473	0
20.00%	20.000%	20.000%	0.000%	d	Walls Half Height Complete			604315		604315	604315	0
20.00%	20.000%	20.000%	0.000%	e	Walls Full Height Complete			604315		604315	604315	0
5.00%	5.000%	5.000%	0.000%	f	Platforms / Walkway and Railling Complete			151079		151079	151079	0
100.00%	92.50%	92.50%	0.00%		Total			3021577		2794958	2794958	0
7.50%	7.500%	7.500%	0.000%	1.5	Gravity Sludge Thickner and Thickned Sludge Sump @ 0.75%			2266183				
10%	10.000%	10.000%	0.000%	a	Excavation and dressing Complete			169964		169964	169964	0
30%	30.000%	30.000%	0.000%	b	PCC M15 for Bed Concrete / Levelling Course Complete			226618		226618	226618	0
20.00%	20.000%	20.000%	0.000%	c	RCC Raft			679855		679855	679855	0
20.00%	20.000%	20.000%	0.000%	d	Walls Half Height Complete			453237		453237	453237	0
20.00%	20.000%	20.000%	0.000%	e	Walls Full Height Complete			453237		453237	453237	0
5.00%	5.000%	2.500%	2.500%	f	Platforms / Walkway and Railling Complete			113309		113309	56654	56654
100.00%	92.500%	90.000%	2.500%		Total			2266183		2096220	2039566	56654
100.00%	50.000%	50.000%	0.000%	1.6	Sewerage Network in the STP Premises @ 0.25%			755394				
100.00%	50.000%	50.000%	0.000%	a	Excavation and dressing Complete			755394		377697	377697	0
100.00%	50.00%	50.00%	0.00%		Total			755394		377697	377697	0
100.00%	85.000%	25.000%	60.000%	1.7	Hydraulic Test of Water Retaining Structure @ 4%			12086310				
100.00%	85.000%	25.000%	60.000%	a	Hydraulic Test of Water Retaining Structure			12086310		10273363	3021577	7251786
100.00%	85.000%	25.000%	60.000%		Total			12086310		10273363	3021577	7251786
				2	Buildings Structure Work @ 13.50%							





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Quantity as per BOQ	Upto date quantity	Quantity Upto last bill	Quantity Since Previous	Item No.	Description of Item	MB page No.	Unit	Rate		Payment on the basis of actual measurements (Amount)		
								Full Rate	Part rate	Upto date Amount	Amount Upto last bill	Since Previous
1	2	3	4	4	5	6	7	8	9	10	11	12
				2.1 & 2.4	Administration Building @ 3% & Blower and MCC House @ 3.5% Total is 6.5%			19640253				
5.00%	5.000%	5.000%	0.000%	a	Excavation and dressing Complete			982013		982013	982013	0
7.00%	7.000%	7.000%	0.000%	b	PCC M15 for Bed Concrete / Levelling Course Complete			1374818		1374818	1374818	0
20.00%	20.000%	20.000%	0.000%	c	RCC Raft / Footing, Piling and Column upto Plinth Level			3928051		3928051	3928051	0
15.00%	15.000%	15.000%	0.000%	d	RCC Super Structure upto Lintel Level			2946038		2946038	2946038	0
15.00%	15.000%	15.000%	0.000%	e	RCC Super Structure from Lintel Level to roof slab			2946038		2946038	2946038	0
10.00%	10.000%	10.000%	0.000%	f	Brick work Complete			1964025		1964025	1964025	0
8.00%	8.000%	8.000%	0.000%	g	Inside outside Plaster Complete			1571220		1571220	1571220	0
100.00%	80.000%	80.000%	0.000%		Total			19640253	0	15712203	15712203	0
				2.2	Chlorination Building @ 1.5%			4532366				
5.00%	5.000%	5.000%	0.000%	a	Excavation and dressing Complete			226618		226618	226618	0
7.00%	7.000%	7.000%	0.000%	b	PCC M15 for Bed Concrete / Levelling Course Complete			317266		317266	317266	0
20.00%	20.000%	20.000%	0.000%	c	RCC Raft / Footing, Piling and Column upto Plinth Level			906473		906473	906473	0
15.00%	15.000%	15.000%	0.000%	d	RCC Super Structure upto Lintel Level			679855		679855	679855	0
15.00%	15.000%	15.000%	0.000%	e	RCC Super Structure from Lintel Level to roof slab			679855		679855	679855	0
10.00%	10.000%	10.000%	0.000%	f	Brick work Complete			453237		453237	453237	0
8.00%	8.000%	8.000%	0.000%	g	Inside outside Plaster Complete			362589		362589	362589	0
5.00%	5.000%	5.000%	2.500%	h	Doors, Windows, Ventilator and Flooring Complete			226618		226618	113309	113309
5.00%	4.000%	4.000%	0.000%	i	Water supply, sanitation, plumbing etc Complete with Fixtures.			226618		181295	181295	0
100.00%	89.000%	86.500%	2.500%		Total			4532366	0	4033806	3920497	113309
				2.3	Centrifuge feed pump house and Centrifuge Building @ 1.5%			4532366				
5.00%	5.00%	5.00%	0.00%	a	Excavation and dressing Complete			226618		226618	226618	0
7.00%	7.00%	7.00%	0.00%	b	PCC M15 for Bed Concrete / Levelling Course Complete			317266		317266	317266	0
20.00%	20.00%	20.00%	0.00%	c	RCC Raft / Footing, Piling and Column upto Plinth Level			906473		906473	906473	0
15.00%	15.00%	15.00%	0.00%	d	RCC Super Structure upto Lintel Level			679855		679855	679855	0
15.00%	15.00%	15.00%	0.00%	e	RCC Super Structure from Lintel Level to roof slab			679855		679855	679855	0
10.00%	10.00%	10.00%	0.00%	f	Brick work Complete			453237		453237	453237	0
8.00%	8.00%	8.00%	0.00%	g	Inside outside Plaster Complete			362589		362589	362589	0

Cost V.K.S.



Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission

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Quantity as per BOQ	Upto date quantity	Quantity Upto last bill	Quantity Since Previous	Item No.	Description of Item	MB page No.	Unit	Rate		Payment on the basis of actual measurements (Amount)		
								Full Rate	Part rate	Upto date Amount	Amount Upto last bill	Since Previous
1	2	3	4	4	5	6	7	8	9	10	11	12
5.00%	5.00%	0.00%	5.00%	h	Doors, Windows, Ventilator and Flooring Complete			226618		226618	0	226618
5.00%	5.00%	5.00%	0.00%	i	Water supply, sanitation, plumbing etc Complete with Fixtures.			226618		226618	226618	0
100.00%	90.0000%	85.0000%	5.0000%		Total			4532366	0	4079129	3852511	226618
5.00%	5.00%	5.00%	0.00%	2.5	H.T. Substation Civil work @ 1%			3021577		151079	151079	0
7.00%	7.00%	7.00%	0.00%	a	Excavation and dressing Complete			151079		211510	211510	0
20.00%	20.00%	20.00%	0.00%	b	PCC M15 for Bed Concrete / Levelling Course Complete			604315		604315	604315	0
15.00%	15.00%	15.00%	0.00%	c	RCC Raft / Footing, Piling and Column upto Plinth Level Complete			453237		453237	453237	0
15.00%	15.00%	15.00%	0.00%	d	RCC Super Structure upto Lintel Level			453237		453237	453237	0
10.00%	10.00%	10.00%	0.00%	e	RCC Super Structure from Lintel Level to roof slab Complete			302158		302158	302158	0
8.00%	8.00%	8.00%	0.00%	f	Brick work Complete			241726		241726	241726	0
5.00%	2.50%	0.00%	2.50%	g	Inside outside Plaster Complete			151079		75539	0	75539
5.00%	3.00%	3.00%	0.00%	h	Doors, Windows, Ventilator and Flooring Complete			151079		90647	90647	0
100.00%	85.5000%	83.0000%	2.5000%	i	Water supply, sanitation, plumbing etc Complete with			3021577	0	2583448	2507909	75539
					Total			3021577				
5.00%	5.00%	5.00%	0.00%	2.6	Roads @ 1 %			151079		151079	151079	0
7.00%	7.00%	5.00%	2.00%	a	Excavation and dressing Complete			211510		211510	151079	60431
88.00%	50.00%	0.00%	50.00%	b	PCC M15 for Bed Concrete / Levelling Course Complete			2658988		1510789	0	1510789
100.00%	62.0000%	10.0000%	52.0000%		Total			3021577		1873378	302158	1571220
					A-Total for Civil Work					1140003442	103951913	10048429
				B	Mechanical Works - Total 36%			108776787				
				I	Fine Screen @ 1.5%			4532366				
				a	Gates @ 0.75%			2266183				
75.00%	75.00%	75.00%	0.00%	1.1	On Supply of Material on site duly tested and inspected @ 75%			1699637		1699637	1699637	0

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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshirawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward

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Quantity as per BOQ	Upto date quantity	Quantity Upto last bill	Quantity Since Previous	Item No.	Description of Item	MB page No.	Unit	Rate		Part rate	Payment on the basis of actual measurements (Amount)		
								Full Rate			Upto date Amount	Amount Upto last bill	Since Previous
1	2	3	4	4	5	6	7	8		9	10	11	12
15.00%	15.00%	15.00%	0.00%	1.2	On Erection / Installation Complete @ 15%			339927			339927	339927	0
100.00%	90.00%	90.00%	0.00%					2266183	0	2039364	2039364	2039364	0
75.00%	75.00%	75.00%	0.00%	b	Fine Screen @ 0.75%			2266183			1699637	1699637	0
15.00%	12.00%	12.00%	0.00%	1.1	On Supply of Material on site duly tested and inspected @ 75%			339927			271942	271942	0
100.00%	87.00%	87.00%	0.00%	1.2	On Erection / Installation Complete @ 15%			2266183	0	1971579	1971579	1971579	0
				2	Detritus Mechanisms @ 1.5%			4532366					
75.00%	75.00%	75.00%	0.00%	2.1	On Supply of Material on site duly tested and inspected @ 75%			3399275			3399275	3399275	0
15.00%	15.00%	0.00%	15.00%	2.2	On Erection / Installation Complete @ 15%			679855			679855	0	679855
100.00%	90.00%	75.00%	15.00%					4532366	0	4079130	3399275	3399275	679855
				3	Aeration Assembly (Including Diffusers and Air Grid), Coarse bubble diffusers in selector Zone @ 3%			9064732					
75.00%	75.00%	75.00%	0.00%	3.1	On Supply of Material on site duly tested and inspected @ 75%			6798549			6798549	6798549	0
15.00%	2.50%	0.00%	2.50%	3.2	On Erection / Installation Complete @ 15%			1359710			226618	0	226618
100.00%	77.50%	75.00%	2.50%					9064732	0	7025167	6798549	6798549	226618
				4	Air Blowers for SBR Basin (Turbo) @ 2%			6043155					
75.00%	75.00%	75.00%	0.00%	4.1	On Supply of Material on site duly tested and inspected @ 75%			4532366			4532366	4532366	0
15.00%	12.50%	0.00%	12.50%	4.2	On Erection / Installation Complete @ 15%			906473			755394	0	755394
100.00%	87.50%	75.00%	12.50%					6043155	0	5287760	4532366	4532366	755394
				5	Treated Water Draw off Units (Decaners) @ 6%			18129465					
75.00%	75.00%	75.00%	0.00%	5.1	On Supply of Material on site duly tested and inspected @ 75%			13597098			13597098	13597098	0
15.00%	14.00%	12.00%	2.00%	5.2	On Erection / Installation Complete @ 15%			2719420			2538125	2175536	362589
100.00%	89.00%	87.00%	2.00%					18129465	0	16135223	15772634	15772634	362589
				6	Returned Activated and Surplus Sludge Pumps @ 2%			6043155					



Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Sahaj Ah. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshirawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commissioning of Sewerage Collection system at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward

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Quantity as per BOQ	Upto date quantity	Quantity Upto last bill	Quantity Since Previous	Item No.	Description of Item	MB page No.	Unit	Rate		Payment on the basis of actual measurements (Amount)		
								Full Rate	Part Rate	Upto date Amount	Amount Up to last bill	Since Previous
1	2	3	4	4	5	6	7	8	9	10	11	12
75.00%	75.00%	75.00%	0.00%	6.1	On Supply of Material on site duly tested and inspected @ 75%			4532366		4532366	4532366	0
15.00%	12.50%	0.00%	12.50%	6.2	On Erection / Installation Complete @ 15%			906473	0	755394	0	755394
100.00%	87.50%	75.00%	12.50%					6043155	0	5287760	4532366	755394
				7	Chlorination system (Chlorinators) @ 2%			6043155				
75.00%	75.00%	75.00%	0.00%	7.1	On Supply of Material on site duly tested and inspected @ 75%			4532366		4532366	4532366	0
100.00%	75.00%	75.00%	0.00%		Total			6043155	0	4532366	4532366	0
				B	Centrifuge Seed Pumps & Centrifuges, Sludge Thickener @ 2%			6043155				
				c	Sludge Thickener @ 1%			3021577				
75.00%	75.00%	75.00%	0.00%	B.1	On Supply of Material on site duly tested and inspected @ 75%			2266183		2266183	2266183	0
15.00%	15.00%	0.00%	15.00%	B.2	On Erection / Installation Complete @ 15%			453237		453237	0	453237
100.00%	90.00%	75.00%	15.00%					3021577	0	2719420	2266183	453237
				9	Interconnecting Air Piping @ 13%			39280506				
75.00%	59.76%	59.76%	0.00%	9.1	On Supply of Material on site duly tested and inspected @ 75%			29460380		23474031	23474031	0
15.00%	10.52%	10.52%	0.00%	9.2	On Erection / Installation Complete @ 15%			5892076		4133880	4133880	0
100.00%	70.28%	70.20%	0.00%		Total			39280506	0	27607911	27607911	0
					B-Total For Mechanical Work			30215774		76685880	73452793	3233087
				C	Electrical Works - Total 10%			6043155				
				1	H.T.Substation @ 2%			1812946				
				a	Transformer @ 0.6%			1359710		1359710	1359710	0
75.00%	75.00%	75.00%	0.00%	a.1	On Supply of Material on site duly tested and inspected @ 75%			271942		181295	0	181295
15.00%	10.00%	0.00%	10.00%	a.2	On Erection / Installation Complete @ 15%			1812946	0	1541005	1359710	181295
100.00%	85.00%	75.00%	10.00%					2719420				
				b	D.G. Set @ 0.9%			2039565		2039565	2039565	0
75.00%	75.00%	75.00%	0.00%	b.1	On Supply of Material on site duly tested and inspected @ 75%			407913		203956	0	203956
15.00%	7.50%	0.00%	7.50%	b.2	On Erection / Installation Complete @ 15%							

Handwritten signature and official stamps of the Maharashtra Government Engineering Department, including the name 'K. M. Infrate Pvt. Ltd. Navi Mumbai'.



Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport). Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Ward

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Quantity as per BOQ	Upto date quantity	Quantity Upto last bill	Quantity Since Previous	Item No.	Description of Item	MB page No.	Unit	Rate		Payment on the basis of actual measurements (Amount)			Since Previous
								Full Rate	Part rate	Upto date Amount	Amount Upto last bill	Amount	
100.00%	82.50%	75.00%	7.50%	4	5	6	7	8	9	10	11	12	203956
75.00%	75.00%	75.00%	0.00%	c	H.T.Panel @ 0.3%			2719420	0	2243521	2039565		
100.00%	75.00%	75.00%	0.00%	c.1	On Supply of Material on site duly tested and Inspected @ 75%			906473		679855	679855		0
				2	MCC @ 1%			906473	0	679855	679855		0
75.00%	75.00%	0.00%	75.00%	2.1	On Supply of Material on site duly tested and Inspected @ 75%			3021577					
100.00%	75.00%	0.00%	75.00%					2266183		2266183	0		2266183
				3	PCC @ 1%			3021577	0	2266183	0		2266183
75.00%	75.00%	0.00%	75.00%	3.1	On Supply of Material on site duly tested and Inspected @ 75%			3021577					
100.00%	75.00%	0.00%	75.00%					2266183		2266183	0		2266183
				4	Cabling (Plant and Building) @ 2%			3021577	0	2266183	0		2266183
				a	Cable Tray @ 0.4%			6043155					
75.00%	75.00%	75.00%	0.00%	a.1	On Supply of Material on site duly tested and Inspected @ 75%			1208631					
15.00%	5.00%	5.00%	0.00%	a.2	On Errection / Installation Complete @ 15%			906473		906473	906473		0
100.00%	80.00%	80.00%	0.00%					181295		60432	60432		0
				b	Cabling @ 1.6%			1208631	0	966905	966905		0
75.00%	75.00%	0.00%	75.00%	b.1	On Supply of Material on site duly tested and Inspected @ 75%			4834524					
15.00%	0.00%	0.00%	0.00%	b.2	On Errection / Installation Complete @ 15%			3625893		3625893	0		3625893
100.00%	75.00%	0.00%	75.00%					725179		0	0		0
				5	Lightening Distribution boards / Misc. panels / Area Lightening / Building Illumination @ 2%			4834524	0	3625093	0		3625093
75.00%	0.00%	0.00%	0.00%	5.1	On Supply of Material on site duly tested and Inspected @ 75%			6043155					
15.00%	0.00%	0.00%	0.00%	5.2	On Errection / Installation Complete @ 15%			4532366		0	0		0
100.00%	0.00%	0.00%	0.00%					906473		0	0		0
				6	PLC and PLC Panel @ 1%			6043155	0	0	0		0
								3021577		0	0		0

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AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

Name of work:- Development of Underground Sewerage Collection system for Zone I to VI and Zone Salim Ali. Constructing, Erecting, Testing and Commissioning of Sewage Treatment Plant based on modern technology at Nakshtrawadi (Kanchanwadi), Banewadi, Siddharth Garden, Zalta, Padegaon, CIDCO (Airport), Construction, Erection, Testing and Commission of Sewage pumping stations at Banewadi, Siddharth Garden, Padegaon, Golwadi, Zalta, Wood

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Quantity as per BOQ	Upto date quantity	Quantity Upto last bill	Quantity Since Previous	Item No.	Description of Item	MB page No.	Unit	Rate		Payment on the basis of actual measurements (Amount)		
								Full Rate	Part rate	Upto date Amount	Amount Upto last bill	Since Previous
1	2	3	4	4	5	6	7	8	9	10	11	12
75.00%	65.00%	65.00%	0.00%	6.1	On Supply of Material on site duly tested and inspected @ 75%			2266183		1964025	1964025	0
100.00%	65.00%	65.00%	0.00%		C-Total For Electrical Work			3021577	0	1964025	1964025	0
					Total For Zalta STP (A+B+C)					15553570	7010060	8543510
										206239792	184414766	21825026



Authorized Signatory Contractor



Assistant Manager PMC



Project Manager PMC

Jr. Engineer AMC

Dy. Engineer AMC

Executive Engineer AMC

total up to Date

10