



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :-

Page No. :-

006

SPS Golwadi RA11

Page 1 of 3

Measurements of Eleventh Running Account Bill

SCHEDULE B - FOR PART B - B 1 (Percentage Rate Contract)

SCHEDULE B - FOR PART B - B 1 (Percentage Rate Contract)						
1.3	Sewage Pumping Station and Pump House at Golwadi					
II	CONSTRUCTION WORK PAYMENT SCHEDULE					
1	Civil Work @ 96%					
	Water Retaining Structure					
Item 1.3	RCC Walls and Column Structures, staircase Walkways up to Floor level					
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
	RCC W1 Wall (RL 527.575.55 to 533.15)	1	83.9322	0.23	5.57	107.53 ✓
	concrete for beamB1A (300X450)	2	1.2	0.3	0.3	0.22 ✓
	Concrete for beamB2A (300X450)	1	11.075	0.3	0.45	1.50 ✓
	concrete for s1 and ws1 slab	1	3.044	1.2	0.15	0.55 ✓
	Tie beam RL 529.95					0.00 ✓
	CB 10 toCB13(300X380)	1	12.89	0.3	0.38	1.47 ✓
	CB5 toCB6(300X380)	1	6.85	0.3	0.38	0.78 ✓
	CB 20 to CB25 (200X380)	3	7.447	0.2	0.38	1.70 ✓
	CB26 toCB29(300X380)	1	15.357	0.3	0.38	1.75 ✓
	Tie beam RL 525.975					0.00 ✓
	Col.C7 toC9 and C29 toC31	2	6.058	0.3	0.38	1.38 ✓
	Col. C11 to C13and C25 to C27	2	8.071	0.3	0.38	1.84 ✓
	Col.C18 toC20	1	8.488	0.3	0.38	0.97 ✓
	Col c28 to C29	1	3.85	0.3	0.38	0.44 ✓
	Col c28 to C34	1	4.85	0.3	0.38	0.55 ✓
	Col.C8 to C30	1	14.225	0.3	0.38	1.62 ✓
	Col.C2 to C33	1	23.442	0.3	0.38	2.67 ✓
	Comman header slab and baem rl 529.95					0.00 ✓
	CB31 to CB36 (300X530)	1	23.442	0.3	0.38	2.67 ✓
	CB37 to CB42 (300X530)	1	18.625	0.3	0.38	2.12 ✓
	CB1 toCB2(300X530)	1	6.058	0.3	0.38	0.69 ✓
	CB3 to CB4 (300X530)	1	8.071	0.3	0.38	0.92 ✓
	CB7 toCB9 (300X600)	1	12.275	0.3	0.45	1.66 ✓
	CB14 to CB16 (300X530)	1	11.858	0.3	0.38	1.35 ✓
	Cb17 to CB19(300X530)	1	9.845	0.3	0.38	1.12 ✓
	Concrete for comman header slab					0.00 ✓
	Area of circle=3.14Xr ² =3.14X13.25X13.25=176.83	1	176.83	1	0.15	26.52 ✓
	Concrete for floor slab and beam RL 533.15					0.00 ✓
	FB 44 to FB49 (300X600)	1	24.642	0.3	0.45	3.33 ✓
	FB52 to FB57 (300X600)	2	3	0.3	0.38	0.68 ✓
	FB 50 &FB51 (300X530)	2	9.845	0.3	0.38	2.24 ✓
	FB2 to FB 4 and FB 25 to FB27 (300X530)	2	11.858	0.3	0.38	2.70 ✓
	FB5 to FB7 and FB22 FB24 (300X530)	1	12.275	0.3	0.38	1.40 ✓
	FB15 to FB17 (300X530)	1	3.85	0.3	0.38	0.44 ✓
	FB28(300X530)	1	15.8	0.3	0.45	2.13 ✓
	FB36 to FB39 (300X600)	1	5	0.3	0.3	0.45 ✓
	FB 40 to FB42 (300X450)	1				



Handwritten signature and date



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :-
Page No. :- **007**

SPS Golwadi RA11

Page 2 of 3

FB 18 to FB21 (300X530)	1	12	0.3	0.38	1.37
FB 12 to FB 14 (300X530)	1	9.075	0.3	0.38	1.03
FB 29 to FB 34 (200X530)	3	7.3	0.2	0.38	1.66
FB 1 (300X530)	1	2.65	0.3	0.38	0.30
FB 35 (200X530)	1	3.2	0.3	0.38	0.36
Concrete for floor slab near stair case	1	5	1.5	0.15	1.13
Concrete for floor slab oppijete stair case	1	3.85	1.58	0.15	0.91
Concrete for floor slab					0.00
Area of circle=3.14Xr ² =3.14X13.25X13.25=176.83	1	176.83	1	0.15	26.52
Concrete for floor slab	1	13	9.3	0.15	18.14
Concrete for walkway near stair case	1	8.6	0.6	0.15	0.77
Quantity executed upto RA Bill 10	212.11	Quantity executed in RA Bill 11			230.12
Total Quantity	442.23	Quantity executed upto date			442.230
Percentage work done upto date					100.0%

Item 1.4 Coare Screen Chamber						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
	Rcc casting for beam and slab from RL 524.60 screen bottom					
	screen beam (300X750)	2	13.075	0.3	0.55	4.31
	Rcc casting screen bottom slab	1	11	8.2	0.2	18.04
	Rcc casting from screen wall RL524.60 to 526.60	7	8.2	0.2	2	22.96
	Rcc casting for screen top slab slab RL 526.75	1	13.01	8.2	0.15	16.00
Quantity executed upto RA Bill 10	0.00	Quantity executed In RA Bill 11			61.32	
Total Quantity	61.32	Quantity executed upto date			61.317	
Percentage work done upto date					100.0%	

Item 1.5 RCC Work For Pump House						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
	Concrete for Roof slab RL 537.65					
	RB 17 to RB23 (300X530)	1	25.01	0.3	0.38	2.85
	RB 24 to RB30 (300X530)	1	24.924	0.3	0.38	2.84
	RB33 to RB36 (300X530)	1	14.225	0.3	0.38	1.62
	RB31 and RB32 (300X530)	2	3	0.3	0.38	0.68
	RB1 to RB3 And RB13 to RB 15 (300X530)	2	9.845	0.3	0.38	2.24
	RB4 to RB6 and RB 10 to RB 12 (300X530)	2	11.858	0.3	0.38	2.70
	RB 7 to RB9 (300X530)	1	12.275	0.3	0.38	1.40
	RB 16 (230X450)	1	3.935	0.23	0.3	0.27
	RB 37 to RB 46 (300X530)	1	37.597	0.3	0.38	4.29
	Concrete for roof slab					
	Area of circle=3.14Xr ² =3.14X13.55X13.55= 288.	1	288.13	1	0.13	37.46
	Concrete for col. RL 533.15 to 537.65					
	C1,2,4,6,9,10,13,20,27,31,32,33,34	13	0.45	0.3	4.5	7.90
Quantity executed upto RA Bill 10	0.00	Quantity executed in RA Bill 11			64.26	
Total Quantity	64.26	Quantity executed upto date			64.258	
Percentage work done upto date					100.0%	



Handwritten signature and date 27/12/2017



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :-

Page No. :-

008

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

SPS Golwadi RA11 Page 3 of 3

Item 1.6 Brick Masonry, Door and Windows						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
	Brick work RL 533.15 to 537.12					
	Brick work for round wall C1 to C34	1	42.375	0.23	3.97	38.69 ✓
	Brick work for C1 to C34 center wall	1	26.96	0.23	3.97	24.62 ✓
	Brick work parapet wall RI 537.65 to 537.95					0.00
	Center wall C1 to C34	1	27.9	0.23	0.3	1.93 ✓
	Brick work parapet round wall	1	42.375	0.23	0.3	2.92 ✓
	Less opening area					0.00
	Windows size	11	1.8	0.23	1.5	6.83 ✓
	Ventilators size	11	1.8	0.23	0.45	2.05 ✓
	Door size	2	1.2	0.23	2.4	1.32 ✓
	Deduction columns Concrete					0.00
	C1,2,4,9,13,20,27,31,32,33,34,6,10,17,24,28	-16	0.45	0.23	3.97	-6.57 ✓
	Quantity executed upto RA Bill 10	0.00	Quantity executed in RA Bill 11			71.79 ✓
	Total Quantity	71.79	Quantity executed upto date			71.790 ✓
			Percentage work done upto date			100.0% ✓



Handwritten signature and date 01/07/2014



AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :- **009**
Page No. :- **009**

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

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

Page 1 of 2

Golwadi SPS Abstract RA 11

PART B - ABSTRACT OF COST												
Name of Work :- Development of Underground Sewerage Collection system for Zone I to VI & Zone Salim Ali, Construction of sewage Treatment Plants, Construction of sewage												
Date of Commencement - 01-07-2014												
Stipulated Date of Completion - 01-07-2017												
A & F Sanction No. & Date :												
Technical Sanction No. & Date :												
Serial No. of this Bill - 11 R.A. Bill Dt: 30.11.2016												
Name of Contractor - M/s. Khilari Infrastructure Pvt Ltd.												
Contract No., & Date - /AMC/WARD(B&C)/UIDSSMT/2014/184 Dt: 01.07.2014												
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 [
								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
					A) Civil Work Cost							
				1.3	Item No 1 :- Designing, Constructing, Erecting and Commissioning and giving satisfactory Performance test of seven numbers (6 Terminal + 1 Intermediate) Sewage pumping stations and pump house including cost of all equipments such as Pumps, Motors, necessary piping, valves, Starters, Change over switches, panel board, Cables, DG set, Mechanical and Manual Coarse Screen, gates, Civil/ Mechanical/Electrical work required to provide/installation of equipments as specified in detailed scope of work etc complete.		No	19674617				
				1	Sewage Pumping Station and Pump House at Golwadi			786985				
50.00%	50.00%	50.00%	0.00%	1	PRELIMINARY WORK PAYMENT SCHEDULE @ 4%			393492		393492	393492	0
50.00%	50.00%	50.00%	0.00%	2	Submission of RCC Design & Drawing			393492		393492	393492	0
100.00%	100.00%	100.00%	0.00%	1	Total			786985		786985	786984	0







AURANGABAD MUNICIPAL CORPORATION.

(From No.52)

Measurement Book

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

Book No. :- **010**
Page No. :-

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

Page 2 of 2

solwadi SPS Abstract RA 11

Quantity as per BOQ	Upto date quantity	Quantity Upto last bill	Quantity Since Previous	Item No.	Description of Item	MB page No.	Rate		Payment on the basis of actual measurements (Since Previous
							Full Rate	Part rate	Upto date Amount	Amount Upto last bill	
				II	CONSTRUCTION WORK PAYMENT SCHEDULE						
				1	Civil Works - Total 96%		18887632		3148002	3148002	0
16.67%	16.667%	16.667%	0.000%	1.1	Excavation work		3148002		1259805	1259805	0
6.67%	6.670%	6.670%	0.000%	1.2	Raft Slab Including PCC		1259050		2518288	736618	1781670
13.33%	13.333%	3.900%	9.433%	1.3	RCC Walls and Column Structures, staircase Walkways up to Floor level		2518288		1888763	0	1888763
10.00%	10.00%	0.00%	10.000%	1.4	Coarse Screen Chambers		1888763		4407051	0	4407051
23.33%	23.33%	0.00%	23.333%	1.5	RCC works for pump House		3148002		1888763	0	1888763
16.67%	10.00%	0.00%	10.000%	1.6	Brick Masonary, Doors and Windows		18887632		15110672	5144425	9966247
100.00%	80.00%	27.24%	52.77%	I	Total				15897657	5931409	9966247
					Total For Civil Work				3448202	1286523	2161679
					After Above 21.69%				19345859	7217932	12127926
					Total Amount						

Executive Engineer
 AMC

Dy. Engineer
 AMC

Jr. Engineer
 AMC

Fortness Infrastructure Services Pvt. Ltd.
 Project Manager

Fortness Infrastructure Services Pvt. Ltd.
 Project Engineer

Khilari Infra Pvt. Ltd.
 Authorized Signatory