



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 S1, Aurangabad City.

Book No. **120**
Page No. **120**

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

MS RA11 161MAD

1

II CONSTRUCTION WORK PAYMENT SCHEDULE							
A Civil Work							
2 Buildings Structure Work							
2.2 Chlorination Building @ 1.5%							
i Water supply, sanitation, plumbing etc Complete with Fixtures.							
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ²)	
	Lumsum Completed	This item is Not concern with this building so requested to release quantity and it's amount.				100.00%	
	Quantity executed upto RA Bill 10	0.00	Quantity executed in RA Bill 11			1.00	
	Total Quantity	1.00	Quantity executed upto date			1.00	
	Percentage work done upto date						100.00%
2.3 Centrifuge feed pump house and Centrifuge Building @ 1.5%							
h Doors, Windows, Ventilator and Flooring Complete							
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (Nos)	
	Rolling Shutter (RS)	1	3.000		3.00	1.00	
	MC Frame With Single Leaf Tank Wood Flush Door	2	1.000		2.10	2.00	
	Aluminum Glazed Sliding Window	9	1.500		1.20	9.00	
	Aluminum Glazed Louvered Ventilators Window	12	1.500		0.60	12.00	
	Quantity executed upto RA Bill 10	70.0%	Quantity executed in RA Bill 11			30.0%	
	Total Quantity	100.0%	Quantity executed upto date			100.0%	
	Percentage work done upto date						100.00%
i Water supply, sanitation, plumbing etc Complete with Fixtures.							
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ²)	
	Lumsum Completed	This item is Not concern with this building so requested to release quantity and it's amount.				100.00%	
	Quantity executed upto RA Bill 10	0.00	Quantity executed in RA Bill 11			1.00	
	Total Quantity	1.00	Quantity executed upto date			1.00	
	Percentage work done upto date						100.00%
B Mechanical Work @ 3%							
1 Screens @ 1.5%							
a Gates @ 0.75%							
1.2 On Erection/Installation Complete @ 1%							
Date of Measurement	Particulars of work	DC No	Dated	Supplied By	Make	Quantity	Remark
	CI Open Channel Gate						
	OG-S/1500X1500-C1-SWE-M2-SFC Location:-Grit Channel					4	
	OG-R/1500X1900-C1-SWE-E2-SFC Location:-Inlet Of C-Tech					8	
	OG-R/1400X1600-C1-SWE-M2-SFC Location:-Mechanical fine screen channel Inlet					8	
	OG-S/1500X1500-C1-SWE-M2-SFC Location:-Bypass Channel					2	
	OG-S/1550X1550-C1-SWE-M2-SFC Location:-Manual fine screen channel Inlet					1	
	OG-S/1550X1550-C1-SWE-M2-SFC Location:-Manual fine screen channel outlet					1	
	Quantity executed upto RA Bill 10	0.00	Quantity executed in RA Bill 11			24.00	
	Total Quantity	24.00	Quantity executed upto date			24.00	
	Percentage work done upto date						100.00%



Handwritten signature and initials



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. 121

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

MB RA11 161AMD

b							
1.1 On Supply of Material on site duly tested and inspected @ 7%							
Date of Measurement	Particulars of work	DC No	Dated	Supplied By	Make	Quantity	Remark
	Screenmat Fine Bar Screen Channel Width:1400mm,Channel Depth:1750mm, SWD:1200mm, Free Board:550mm, Bar Spacing:6mm, Bar Thik:2mm, Angle Of Inclination:40deg, MOC:SS 304, Discharge Height: Approx 1200mm	SI-00290	18.10.2016	Jash Engineering Ltd.	Jash Engineering Ltd.	2 ✓	SGS : No. R 142067
	Screenmat Fine Bar Screen Channel Width:1400mm,Channel Depth:1750mm, SWD:1200mm, Free Board:550mm, Bar Spacing:6mm, Bar Thik:2mm, Angle Of Inclination:40deg, MOC:SS 304, Discharge Height: Approx 1200mm	SI-00291	18.10.2016	Jash Engineering Ltd.	Jash Engineering Ltd.	2 ✓	SGS : No. R 142067
	Manual Fine Bar Screen MS-2535-1538-10-M1-S1	SI-00292	19.10.2016	Jash Engineering Ltd.	Jash Engineering Ltd.	1 ✓	SGS : No. R 142067
	Rake Assy.-1000MM Long For MS-2535-1538-10-M1-S1	SI-00292	19.10.2016	Jash Engineering Ltd.	Jash Engineering Ltd.	1 ✓	SGS : No. R 142067
	Belt Conveyor Size-600(W) x 9500(L) mm	SI-00292	19.10.2016	Jash Engineering Ltd.	Jash Engineering Ltd.	1 ✓	SGS : No. R 142067
Quantity executed upto RA Bill 10		0.00		Quantity executed in RA Bill 11		5.00	
Total Quantity		5.00		Quantity executed upto date		5.00	
		Lot		Percentage work done upto date		100.00%	

1.2 On Erection/Installation Complete @ 1%							
Date of Measurement	Particulars of work	DC No	Dated	Supplied By	Make	Quantity	Remark
	Screenmat Fine Bar Screen Channel Width:1400mm,Channel Depth:1750mm, SWD:1200mm, Free Board:550mm, Bar Spacing:6mm, Bar Thik:2mm, Angle Of Inclination:40deg, MOC:SS 304, Discharge Height: Approx 1200mm					2 ✓	
	Screenmat Fine Bar Screen Channel Width:1400mm,Channel Depth:1750mm, SWD:1200mm, Free Board:550mm, Bar Spacing:6mm, Bar Thik:2mm, Angle Of Inclination:40deg, MOC:SS 304, Discharge Height: Approx 1200mm					2 ✓	
	Manual Fine Bar Screen MS-2535-1538-10-M1-S1					1 ✓	
	Rake Assy.-1000MM Long For MS-2535-1538-10-M1-S1					1 ✓	
	Belt Conveyor Size-600(W) x 9500(L) mm					1 ✓	
Quantity executed upto RA Bill 10		0.00		Quantity executed in RA Bill 11		5.00	
Total Quantity		5.00		Quantity executed upto date		5.00	
		Lot		Percentage work done upto date		100.00%	

1 Detritus Mechanisms @ 1%							
1.1 On Supply of Material on site duly tested and inspected @ 7%							
Date of Measurement	Particulars of work	DC No	Dated	Supplied By	Make	Quantity	Remark
	Detritus Mechanisms (12.0 m.sq. x 0.9 M SWD x 0.5 M FB)	061	31.12.2016	Shivpad Engineers Pvt. Ltd.	Batilbol	2 ✓	SGS
	Detritus Mechanisms (12.0 m.sq. x 0.9 M SWD x 0.5 M FB)	062	31.12.2016	Shivpad Engineers Pvt. Ltd.	Batilbol	1 ✓	Client Inspection
	Detritus Mechanisms (12.0 m.sq. x 0.9 M SWD x 0.5 M FB)	060	31.12.2016	Shivpad Engineers Pvt. Ltd.	Batilbol	1 ✓	Client Inspection
Quantity executed upto RA Bill 10		0.00		Quantity executed in RA Bill 11		4.00	
Total Quantity		4.00		Quantity executed upto date		4.00	
		Lot		Percentage work done upto date		100.00%	



Handwritten signature and date 31/12/2017



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. :- **122**
Page No. :-

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

MB RA11 161MLO

3

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 (Nos)	
	Aeration Assembly (Including Diffusers and Air Grid), Coarse bubble diffusers in selector Zone	4				4.00 ✓	
	Quantity executed upto RA Bill 09	0.00	Quantity executed in RA Bill 10			4.00 ✓	
	Total Quantity	8.00	Quantity executed upto date			4.00 ✓	
			Percentage work done upto date			50.00% ✓	
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	
	Piping and Installation of RAS and SAS Pumps Completed		Lumsum			100% Completed ✓	
	Quantity executed upto RA Bill 10	0.00%	Quantity executed in RA Bill 10			100.00% ✓	
	Total Quantity	100.00%	Quantity executed upto date			100.00% ✓	
			Percentage work done upto date			100.00% ✓	
8 Centrifuge Seed Pumps & Centrifuges, Sludge Thickener @ 2%							
c Sludge Thickener @ 1%							
1.1 On Supply of Material on site duly tested and inspected @ 75%							
Date of Measurement	Particulars of work	DC No	Dated	Supplied By	Make	Quantity	Remark
	Sludge Thickener (28.5 M dia x 3.0 M SWD + 0.5 M FB)	060	31.12.2016	Shivpad Engineers Pvt. Ltd.	Batlibol	1 ✓	SGS
	Quantity executed upto RA Bill 10	0.00	Quantity executed in RA Bill 11			1.00 ✓	
	Total Quantity	1.00	Quantity executed upto date			1.00 ✓	
			Percentage work done upto date			100.00% ✓	
9 Interconnecting Air Piping							
9.2 On Erection / Installation Complete @ 15%							
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (RMT)	
	200 mm Dia.						
	In between Every Basins 1 to 8 in the Direction of 35 mtr wide in selector Zone	1	250			250.00 ✓	
	In between Every Basins 1 to 8 in the Direction of 35 mtr wide in selector Zone	1	27			27.00 ✓	
	Downtake Pipe	1	24			24.00 ✓	
	Quantity executed upto RA Bill 10	1630.50	Quantity executed in RA Bill 11			301.00 ✓	
	Total Quantity	3218.00	Quantity executed upto date			1931.50 ✓	
			Percentage work done upto date			60.02% ✓	
c Electrical Work @ 10%							
1 H.T.Substation @ 2%							
e.2 On Erection / Installation Complete @ 15%							
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals	
	On Erection of Transformer (11 KV 3150KVA OLTC Transformer) Sr.No.JN-45723/01.02	2				2.00 ✓	
	Quantity executed upto RA Bill 10	0.00	Quantity executed in RA Bill 11			2.00 ✓	
	Total Quantity	2.00	Quantity executed upto date			2.00 ✓	
			Percentage work done upto date			100.00% ✓	



Handwritten signature and date: 17/01/17



AURANGABAD 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. :- **123**

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

MB RALL 161MLD

b D.G. Set @ 0.9%							
b.2 On Erection / Installation Complete @ 15%							
Date of Measurement	Particulars of work	DC No	Dated	Supplied By	Make	Quantity	Remark
	On Supply of D.G .set (1250 KVA DG Set = 625 KVAX 2 Nos) Engine Model DV12TAG2 Sr.No.-DVZ.8301/1520037 and 1620009					2	Inspection SGS(Third Party)Report Attached
Quantity executed upto RA Bill 10		0.00		Quantity executed in RA Bill 11		2.00	
Total Quantity		2.00		Quantity executed upto date		2.00	
						100.00%	
Percentage work done upto date							

b Cabling @ 1.6%							
b.2 On Erection / Installation Complete @ 15%							
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals	
	On Erection of Cable	L.S.				L.S.	
Quantity executed upto RA Bill 10		0.00		Quantity executed in RA Bill 11		100.00%	
Total Quantity		L.S.		Quantity executed upto date		100.00%	
						100.00%	
Percentage work done upto date							

g Lightning Distribution boards / Misc. panels / Area lightening / Building illumination @ 2%							
g.2 On Erection / Installation Complete @ 15%							
Date of Measurement	Particulars of work	L (m)	B (m)	H (m)	Totals		
	On Supply of Lightning Distribution boards / Misc. panels / Area lightening / Building illumination	Street Light, CCT, Centrifuse House Completed.					
Quantity executed upto RA Bill 10		0.00		Quantity executed in RA Bill 11		50.00%	
Total Quantity		L.S		Quantity executed upto date		50.00%	
						100.00%	
Percentage work done upto date							

g PLC and PLC Panel @ 1%							
g.2 On Erection / Installation Complete @ 15%							
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals	
	On Erection of PLC and PLC Panel	1				1.00	
Quantity executed upto RA Bill 10		0.00		Quantity executed in RA Bill 11		1.00	
Total Quantity		1.00		Quantity executed upto date		1.00	
						100.00%	
Percentage work done upto 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 STP for Aurangabad City.

Book No. :- **124**
Page No. :-

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

Page 1 of 10

PART A - 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 pumping stations, Providing Rising Main GRP/DI pipe lines for Aurangabad City under UIDSSMT.

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

161MLD STP At Nakshatravadi

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 (Amount)	
							Full Rate	Part rate	Upto date Amount	Amount Upto last bill
1	2	3	4	4	PART-A for STP (Turnkey Work)	6	8	9	10	11
					Name of Works - Designing, Constructing, Erecting and Commissioning of Sewage Treatment Plant based on Item No. 1 : Designing (aesthetically), providing, constructing and giving satisfactory trials of modernised Sewage Treatment Plant consisting of receiving chamber, screen chamber, grit chamber, measuring Cyclic Activated Sludge Process					
					Moving Media Bio Reactor (MMBR) / FAB (Fluidised Suppling & erecting approved make of oil immersed and naturally cooled indoor /outdoor type , copper wound transformer with delta conn. on HV side & star conn. on LV side with additional neutral brought out in load side, voltage rating 11/0.433 vV with tapping of +/- 2.5 % -5 % ,continuously rated for full load with standered					
				4	STP at Nakshatravadi 161.00 MLD.	No	1096135919			
4.00%	4.000%	4.000%	0.000%	1	FOR PRELIMINARY WORK @ 9.0 %		98652233			
2.00%	2.000%	2.000%	0.000%	1	Submission of process design.		43845437		43845437	43845437
2.50%	2.500%	2.500%	0.000%	2	Approval of process design (engineer & appl.)		21922718		21922718	21922718
0.50%	0.300%	0.300%	0.000%	3	Submission of RCC, Mechanical, electrical & instrumentation design		27403398		27403398	27403398
9.00%	8.800%	8.800%	0.000%	4	Approval of RCC, Mechanical, electrical & instrumentation design		5480680		3288408	3288408
				1	Total		98652233		96459961	96459961



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. :- 125
Page No. :- 125

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

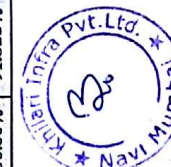
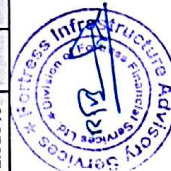
Page 2 of 10

161 Abad RA 11

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 last bill	Since Previous
1	2	3	4	4	FOR CONSTRUCTION WORK	6	7	8	9	10	11	12
				II	Civil Works - Total 35%			383647572				
				1	Water Retaining Structure @21.5%							
				1.1	Inlet chamber, fine Screen Chamber @ 0.5%			5480680				
7.50%	7.500%	7.500%	0.000%	a	Excavation and dressing Complete			411051		411051	411051	0
10%	10.000%	10.000%	0.000%	b	PCC M15 for Bed Concrete / Levelling Course Complete			548068		548068	548068	0
30%	30.000%	30.000%	0.000%	c	RCC Raft			1644204		1644204	1644204	0
20.00%	20.000%	20.000%	0.000%	d	Columns Half Height Complete			1096136		1096136	1096136	0
20.00%	20.000%	20.000%	0.000%	e	Columns Full Height Complete			1096136		1096136	1096136	0
5.00%	4.325%	2.500%	1.825%	f	Slabs / Walkway and Railing Complete			274034		237039	137017	100022
100.00%	91.825%	90.000%	1.825%		Total			5480680		5032634	4932612	100022
				1.2	Degritting Units @ 0.5%			5480680				
7.50%	7.500%	7.500%	0.000%	a	Excavation and dressing Complete			411051		411051	411051	0
10%	10.000%	10.000%	0.000%	b	PCC M15 for Bed Concrete / Levelling Course Complete			548068		548068	548068	0
30%	30.000%	30.000%	0.000%	c	RCC Raft			1644204		1644204	1644204	0
20.00%	20.000%	20.000%	0.000%	d	Walls Half Height Complete			1096136		1096136	1096136	0
20.00%	20.000%	20.000%	0.000%	e	Walls Full Height Complete			1096136		1096136	1096136	0
5.00%	4.325%	2.500%	1.825%	f	Platforms / Walkway and Railing Complete			274034		237039	137017	100022
100.00%	91.825%	90.000%	1.825%		Total			5480680		5032634	4932612	100022

Total up to Date

10



17/02/18



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. :- 127

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

Autho

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
100.00%	50.000%	50.000%	0.000%	1.6	Sewerage Network in the STP Premises @ 0.25%			2740340				
100.00%	50.00%	50.00%	0.00%	a	Excavation and dressing Complete			2740340		1370170	1370170	0
					Total			2740340		1370170	1370170	0
100.00%	50.000%	50.000%	0.000%	1.7	Hydraulic Test of Water Retaining Structure @ 4%			43845437				
100.00%	50.000%	50.000%	0.000%	a	Hydraulic Test of Water Retaining Structure			43845437		21922718	0	21922718
					Total			43845437		21922718	0	21922718
				2	Buildings Structure Work @ 13.50%			147978349				
				2.1	Administration Building @ 3%			32884078				
5.00%	5.000%	5.000%	0.000%	a	Excavation and dressing Complete			1644204		1644204	1644204	0
7.00%	7.000%	7.000%	0.000%	b	PCC M15 for Bed Concrete / Levelling Course Complete			2301885		2301885	2301885	0
20.00%	20.000%	20.000%	0.000%	c	RCC Raft / Footing, Piling and Column upto Plinth Level Complete			6576816		6576816	6576816	0
15.00%	15.000%	15.000%	0.000%	d	RCC Super Structure upto Lintel Level			4932612		4932612	4932612	0
15.00%	15.000%	15.000%	0.000%	e	RCC Super Structure from Lintel Level to roof slab Complete			4932612		4932612	4932612	0
10.00%	10.000%	10.000%	0.000%	f	Brick work Complete			3288408		3288408	3288408	0
8.00%	8.000%	8.000%	0.000%	g	Inside outside Plaster Complete			2630726		2630726	2630726	0
5.00%	2.500%	2.500%	0.000%	h	Doors, Windows, Ventilator and Flooring Complete			1644204		822102	822102	0
5.00%	2.500%	2.500%	0.000%	i	Water supply, sanitation, plumbing etc Complete with Fixtures.			1644204		822102	822102	0
100.00%	85.000%	85.000%	0.000%		Total			32884078		27951467	27951467	0

161 Abad RA 11

Page 4 of 10

Total up to Date

10





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. : 128

Page No. :-

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

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

Page 5 of 10

161 Aabd 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 (Amount)		
							Full Rate	Part rate	Upto date Amount	Amount Upto last bill	Since Previous
	2	3	4	4	5	6	8	9	10	11	12
				2.2	Chlorination Building @ 1.5% Excavation and dressing Complete		16442039		822102	822102	0
5.00%	5.000%	5.000%	0.000%	a	PCC M15 for Bed Concrete / Levelling Course Complete		822102		1150943	1150943	0
7.00%	7.000%	7.000%	0.000%	b	RCC Raft / Footing, Piling and Column upto Plinth Level Complete		3288408		3288408	3288408	0
20.00%	20.000%	20.000%	0.000%	c	RCC Super Structure upto Lintel Level		2466306		2466306	2466306	0
15.00%	15.000%	15.000%	0.000%	d	RCC Super Structure from Lintel Level to roof slab Complete		2466306		2466306	2466306	0
15.00%	15.000%	15.000%	0.000%	e	Brick work Complete		1644204		1644204	1644204	0
10.00%	10.000%	10.000%	0.000%	f	Inside outside Plaster Complete		1315363		1315363	1315363	0
8.00%	8.000%	8.000%	0.000%	g	Doors, Windows, Ventilator and Flooring Complete		822102		575471	575471	0
5.00%	3.500%	3.500%	0.000%	h	Water supply, sanitation, plumbing etc Complete with Fixtures.		822102		657682	657682	0
5.00%	4.000%	0.000%	4.000%	i							657682
100.00%	87.500%	83.500%	4.000%	Total	Centrifuse feed pump house and Centrifuse Building @ 1.5%		16442039		14386785	13729103	657682
				2.3	Excavation and dressing Complete		16442039		822102	822102	0
5.00%	5.00%	5.00%	0.00%	a	PCC M15 for Bed Concrete / Levelling Course Complete		822102		1150943	1150943	0
7.00%	7.00%	7.00%	0.00%	b	RCC Raft / Footing, Piling and Column upto Plinth Level Complete		1150943		3288408	3288408	0
20.00%	20.00%	20.00%	0.00%	c	RCC Super Structure upto Lintel Level Complete		3288408		2466306	2466306	0
15.00%	15.00%	15.00%	0.00%	d	RCC Super Structure from Lintel Level to roof slab Complete		2466306		2466306	2466306	0
15.00%	15.00%	15.00%	0.00%	e	Brick work Complete		2466306		1644204	1644204	0
10.00%	10.00%	10.00%	0.00%	f	Inside outside Plaster Complete		1644204		1315363	1315363	0
8.00%	8.00%	8.00%	0.00%	g	Doors, Windows, Ventilator and Flooring Complete		1315363		657682	657682	82211
5.00%	4.00%	3.50%	0.50%	h	Water supply, sanitation, plumbing etc Complete with Fixtures.		822102		657682	575471	82211
5.00%	4.00%	0.00%	4.00%	i					657682	0	657682
100.00%	88.000%	83.500%	4.500%	Total			16442039		14468996	13729103	739893





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. :-

129

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

Da
Me
re

Page 6 of 10

161 Abad RA 11

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
				2.4 & 2.5	Blower and MCC House @ 3.5% and H.T. Substation Civil work @ 1% (Total 4.5%)			49326116				
5.00%	5.00%	5.00%	0.00%	a	Excavation and dressing Complete			2466306		2466306	2466306	0
7.00%	7.00%	7.00%	0.00%	b	PCC M15 for Bed Concrete / Levelling Course Complete			3452828		3452828	3452828	0
20.00%	20.00%	20.00%	0.00%	c	RCC Raft / Footing, Piling and Column upto Plinth Level Complete			9865223		9865223	9865223	0
15.00%	15.00%	15.00%	0.00%	d	RCC Super Structure upto Lintel Level			7398917		7398917	7398917	0
15.00%	15.00%	15.00%	0.00%	e	RCC Super Structure From Lintel Level to roof slab Complete			7398917		7398917	7398917	0
10.00%	10.00%	10.00%	0.00%	f	Brick work Complete			4932612		4932612	4932612	0
8.00%	5.00%	5.00%	0.00%	g	Inside outside Plaster Complete			3946089		2466306	2466306	0
5.00%	3.00%	3.00%	0.00%	h	Doors, Windows, Ventilator and Flooring Complete			2466306		1479783	1479783	0
5.00%	5.00%	5.00%	0.00%	i	Water supply, sanitation, plumbing etc Complete with Fixtures.			2466306		2466306	2466306	0
100.00%	85.0000%	85.0000%	0.0000%		Total			49326116		41927198	41927198	0
				6	Roads @ 1%			10961359				
5.00%	5.00%	5.00%	0.00%	a	Excavation and dressing Complete			548068		548068	548068	0
7.00%	7.00%	7.00%	0.00%	b	PCC M15 for Bed Concrete / Levelling Course Complete			767295		767295	767295	0
88.00%	20.00%	20.00%	0.00%	c	Hard Murum of 50mm thk, 80mm Metal 150mm thk, Hard Murum of 50mm thk, 40mm Metal 100mm thk, Soft murum 25mm thk, BBM 75mm thk, SDBC 25mm thk, Road side Drain and Kerb stone fixing			9645996		2192272	2192272	0
100.00%	32.0000%	32.0000%	0.0000%		Total			10961359		3507635	3507635	0
				7	land scaping, plantation, site cleaning @ 1%			10961359				
33.33%	10.00%	10.00%	0.00%	a	Land Scaping			3653786		1096136	1096136	0
100.00%	10.0000%	10.0000%	0.0000%		Total			10961359		1096136	1096136	0
					A-Total for Civil Work					397406685	373886348	23520337

2104/18





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.

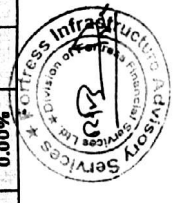
Book No. :- 130
Page No. :-

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

Page 7 of 10

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
				B	Mechanical Works - Total 36%			394608931				
				1	Fine Screen @ 1.5%			16442039				
				a	Gates @ 0.75%			8221019				
75.00%	75.00%	75.00%	0.00%	1.1	On Supply of Material on site duly tested and inspected @ 75%			6165765		6165765	6165765	0
15.00%	15.00%	0.00%	15.00%	1.2	On Errection / Installation Complete @ 15%			1233153		1233153	0	1233153
100.00%	90.00%	75.00%	15.00%					8221019	0	7398918	6165765	1233153
				b	Fine Screen @ 0.75%			8221019				
75.00%	75.00%	0.00%	75.00%	1.1	On Supply of Material on site duly tested and inspected @ 75%			6165765		6165765	0	6165765
15.00%	12.00%	0.00%	12.00%	1.2	On Errection / Installation Complete @ 15%			1233153		986522	0	986522
100.00%	87.00%	0.00%	87.00%					8221019	0	7152287	0	7152287
				2	Detritus Mechanisms @ 1.5%			16442039				
75.00%	75.00%	0.00%	75.00%	2.1	On Supply of Material on site duly tested and inspected @ 75%			12331529		12331529	0	12331529
100.00%	75.00%	0.00%	75.00%					16442039	0	12331529	0	12331529
				3	Aeration Assembly (Including Diffusers and Air Grid), Coarse bubble diffusers in selector Zone @ 3%			32884078				
75.00%	75.00%	75.00%	0.00%	3.1	On Supply of Material on site duly tested and inspected @ 75%			24663058		24663058	24663058	0
15.00%	7.50%	0.00%	7.50%	3.2	On Errection / Installation Complete @ 15%			4932612		2466306	0	2466306
100.00%	82.50%	75.00%	7.50%					32884078	0	27129364	24663058	2466306
				4	Air Blowers for SBR Basin (Turbo) @ 2%			21922718				
75.00%	75.00%	75.00%	0.00%	4.1	On Supply of Material on site duly tested and inspected @ 75%			16442039		16442039	16442039	0
15.00%	12.00%	12.00%	0.00%	4.2	On Errection / Installation Complete @ 15%			3288408		2630726	2630726	0
100.00%	87.00%	87.00%	0.00%					21922718	0	19072765	19072765	0
				5	Treated Water Draw off Units (Decanters) @ 6%			65768155				
75.00%	75.00%	75.00%	0.00%	5.1	On Supply of Material on site duly tested and inspected @ 75%			49326116		49326116	49326116	0
15.00%	15.00%	15.00%	0.00%	5.2	On Errection / Installation Complete @ 15%			9865223		9865223	9865223	0
100.00%	90.00%	90.00%	0.00%					65768155	0	59191339	59191339	0

161 Abad RA 11





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. :- 131

Page No. :-

N:

M. B. Infrastructure Pvt Ltd & GECPL (Joint Venture)

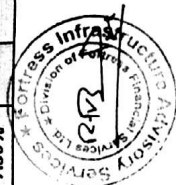
A:

D:
M:
re

Page 8 of 10

161 Abad RA 11

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
	2	3	4	4	5	6	7	8	9	10	11	12
				6	Returned Activated and Surplus Sludge Pumps @ 2%			21922718				
75.00%	75.00%	75.00%	0.00%	6.1	On Supply of Material on site duly tested and Inspected @ 75%			16442039		16442039	16442039	0
15.00%	15.00%	0.00%	15.00%	6.2	On Erection / Installation Complete @ 15%			3288408		3288408	0	3288408
100.00%	90.00%	75.00%	15.00%	7	Chlorination system (Chlorinators) @ 2%			21922718	0	19730447	16442039	3288408
75.00%	75.00%	75.00%	0.00%	7.1	On Supply of Material on site duly tested and Inspected @ 75%			21922718		16442039	16442039	0
100.00%	75.00%	75.00%	0.00%	8	Centrifuge Feed Pumps & Centrifuges, Sludge Thickener @ 2%			21922718		16442039	16442039	0
				c	Sludge Thickener @ 1%			10961359				
75.00%	75.00%	0.00%	75.00%	8.1	On Supply of Material on site duly tested and Inspected @ 75%			8221019		8221019	0	8221019
100.00%	75.00%	0.00%	75.00%	9	Interconnecting Air Piping @ 13%			10961359	0	8221019	0	8221019
75.00%	75.00%	75.00%	0.00%	9.1	On Supply of Material on site duly tested and Inspected @ 75%			142497669				
15.00%	9.00%	7.60%	1.40%	9.2	On Erection / Installation Complete @ 15%			106873252		106873252	106873252	0
100.00%	84.00%	82.60%	1.40%		B-Total for Mechanical Work			21374650		12829065	10829823	199242
				C	Electrical Works - Total 10%			142497669	0	119702317	117703075	199242
				1	H.T.Substation @ 2%			109613592		296372024	259680080	36691944
				a	Transformer @ 0.6%			21922718				
75.00%	75.00%	75.00%	0.00%	a.1	On Supply of Material on site duly tested and Inspected @ 75%			4932612		4932612	4932612	0
15.00%	7.50%	0.00%	7.50%	a.2	On Erection / Installation Complete @ 15%			986522		493261	0	493261
100.00%	82.50%	75.00%	7.50%					6576816	0	5425873	4932612	493261





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. :-

132

Page No. :-

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

Authr

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 last bill	Since Previous
4	5	6	7	8	9	10	11	12
b	D.G. Set @ 0.9%			9865223				
b.1	On Supply of Material on site duly tested and inspected @ 75%			7398917		7398917	7398917	0
b.2	On Errection / Installation Complete @ 15%			1479783		1183827	0	1183827
c	H.T.Panel @ 0.3%			9865223	0	8582744	7398917	1183827
c.1	On Supply of Material on site duly tested and inspected @ 75%			3288408				
c.2	On Errection / Installation Complete @ 15%			2466306		2466306	2466306	0
2	MCC @ 1%			493261		493261	493261	0
2.1	On Supply of Material on site duly tested and inspected @ 75%			3288408	0	2959567	2959567	0
2.2	On Errection / Installation Complete @ 15%			10961359				
3	PCC @ 1%			8221019		8221019	8221019	0
3.1	On Supply of Material on site duly tested and inspected @ 75%			1644204		1644204	1644204	0
3.2	On Errection / Installation Complete @ 15%			10961359	0	9865223	9865223	0
4	Cabling (Plant and Building) @ 2%			10961359				
a	Cable Tray @ 0.4%			21922718				
a.1	On Supply of Material on site duly tested and inspected @ 75%			8221019		8221019	8221019	0
a.2	On Errection / Installation Complete @ 15%			1644204		1644204	1644204	0
				4384544	0	9865223	9865223	0
				3288408		3288408	3288408	0
				657682		657682	657682	0
				4384544	0	3946090	3946090	0

Page 9 of 10





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. :- **133**

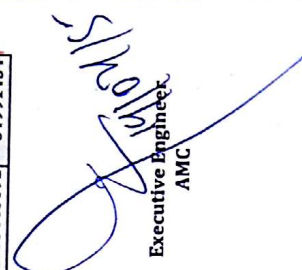

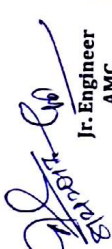



Name of Agency:- M/s Khilari Infrastructure Pvt.Ltd. & GECPL (Joint Venture)

Author:- MCGA/VED P & C/HDSM/T/2014/184 Date 01.07.2014

Date of Measurement

Page 10 of 10

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%	75.00%	75.00%	0.00%	b	Cabling @ 1.6%			17538175				
15.00%	13.00%	0.00%	13.00%	b.1	On Supply of Material on site duly tested and Inspected @ 75%			13153631		13153631	13153631	0
100.00%	88.00%	75.00%	13.00%	b.2	On Erection / Installation Complete @ 15%			2630726		2279963	0	2279963
75.00%	46.00%	46.00%	0.00%	5	Lightening Distribution boards / Misc. panels / Area lightening / Building Illumination @ 2%			17538175	0	15433594	13153631	2279963
15.00%	0.00%	0.00%	0.00%	5.1	On Supply of Material on site duly tested and Inspected @ 75%			21922718				
100.00%	46.00%	46.00%	0.00%	5.2	On Erection / Installation Complete @ 15%			16442039		10084450	10084450	0
75.00%	70.00%	70.00%	0.00%	6	PLC and PLC Panel @ 1%			3288408		0	0	0
15.00%	7.50%	0.00%	7.50%	6.1	On Supply of Material on site duly tested and Inspected @ 75%			21922718	0	10084450	10084450	0
100.00%	77.50%	70.00%	7.50%	6.2	On Erection / Installation Complete @ 15%			10961359		7672951	7672951	0
					C-Total for Electrical Work			8221019		822102	0	822102
					Total For Nakshtrawadi STP (A+B+C)			1644204		8495053	7672951	822102
								10961359		74657817	69878664	4779153
										768436526	703445092	64991434


 Sr. Engineer AMC

 Dy. Engineer AMC

 Jr. Engineer AMC

 Project Manager PMC

 Project Engineer PMC

 Authorized Signatory Contractor

Total up to Date	10
------------------	----