

Name of work:- Development of Underground Sewerage Connection System at Zalta 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.

Zalta

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

Measurements of Ninth Running Account Bill

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

1.7 Sewage Pumping Station and Pump House at Zalta						
II CONSTRUCTION WORK PAYMENT SCHEDULE						
1 Civil Work @ 96%						
Water Retaining Structure						
Item 1.2 Raft Slab including PCC						
1.2.1 PCC M15 for Bed Concrete / Levelling Course Complete						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
	PCC M15 for Bed Concrete / Levelling Course Complete	1	0.785	247.1184	0.15	29.10
Quantity executed upto RA Bill 08		0.00	Quantity executed in RA Bill 09			29.10
Total Quantity		29.10	Quantity executed upto date			29.098
						Percentage work done upto date
						100.0%
1.2.2 Raft Slab						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
	Raft Slab of grade M 30	1	0.785	240.8704	0.325	61.45
	Pt Wall	1	25.12	0.38	0.62	5.92
Quantity executed upto RA Bill 08		0.00	Quantity executed in RA Bill 09			67.37
Total Quantity		67.37	Quantity executed upto date			67.370
						Percentage work done upto date
						100.0%
						Percentage of (PCC + Raft slab) work done upto date
						100.0%

Item 1.3 & 1.4 RCC Walls and Column Structures, staircase Walkways up to Floor level & Coarse Screen Chambers						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
	RCC Wall	1	45.1532	0.38	4.45	76.35
	RCC Wall	1	44.6822	0.23	6.8	69.88
	C1	1	0.38	0.3	11.25	1.28
	C2	1	0.38	0.3	11.25	1.28
	C3	1	0.38	0.3	11.25	1.28
	C4	1	0.38	0.3	11.25	1.28
	C8	1	0.38	0.3	11.25	1.28
	C9	1	0.38	0.3	11.25	1.28
	C11	1	0.38	0.3	11.25	1.28
	C12	1	0.38	0.3	11.25	1.28
	C16	1	0.3	0.3	11.25	1.01
	C17	1	0.3	0.3	11.25	1.01
	S1 Slab	1	6.73	5.362	0.2	7.22
	S2 Slab	1	6.73	6.081	0.15	6.14
	DEDUCTION	3	1.65	1.15	0.15	0.85
	DEDUCTION	1	1.65	1	0.15	0.25
	CS1 Slab	1	3.953	3.76	0.15	2.23
	CS1 Slab	1	4.044	4.974	0.15	3.02
	CS1 Slab	1	4.624	5.173	0.15	3.59
	WS1 Slab	1	3.027	1.2	0.14	0.51
	CS2 Slab	1	3.756	0.77	0.15	0.43
	CS2 Slab	1	1.23	2.245	0.15	0.41
	FS1 Slab	1	3.953	3.76	0.15	2.23
	FS1 Slab	1	4.044	4.974	0.15	3.02
	FS1 Slab	1	4.624	5.173	0.15	3.59
	FS1 Slab	1	2.182	2.427	0.15	0.79
	FS1 Slab	1	2.674	2.427	0.15	0.97
	FS2 Slab	1	2.3	1.54	0.15	0.53
	FS2 Slab	1	2.3	1.5	0.15	0.52
	FS2 Slab	1	2.3	1.592	0.15	0.55
	FS2 Slab	1	1.195	3.931	0.15	0.70
	FS2 Slab	1	2.3	0.899	0.15	0.31
	FS2 Slab	1	3.85	1.54	0.15	0.89
	FS2 Slab	1	3.85	1.592	0.15	0.92
	FS2 Slab	1	3.85	0.899	0.15	0.52
	FS2 Slab	1	1.921	0.905	0.15	0.26



Gore V.K

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 Nakhshrawadi (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 Nakhshrawadi (Kanchanwadi) STP and Ward No.98 to STP for Aurangabad City.

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

Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
	FS2 Slab	1	0.899	0.905	0.15	0.12
	FS2 Slab	1	1.02	3.16	0.15	0.48
	WS1 Slab	1	3.027	1.2	0.13	0.47
	w2 wall	1	5.362	0.6	11.25	36.19
	w2 wall	1	3.906	0.6	11.25	26.37
	SB1 wall	3	6.73	0.2	1.55	6.26
	SB2 wall	2	6.73	0.2	1.55	4.17
	Baffle wall	1	3.951	0.2	2.4	1.90
	B1 beam	2	6.45	0.3	0.55	2.13
	TB1 beam	1	4.347	0.3	0.38	0.50
	TB1 beam	1	3.08	0.3	0.38	0.35
	TB1 beam	1	3.794	0.3	0.38	0.43
	TB1 beam	1	3.017	0.3	0.38	0.34
	MB1 beam	8	1.8	0.3	0.3	1.30
	MB1 beam	8	0.91	0.3	0.45	0.98
	CB1 beam	1	3.08	0.3	0.45	0.42
	CB2 beam	1	0.859	0.3	0.45	0.12
	CB3 beam	1	3.08	0.3	0.45	0.42
	CB4 beam	1	0.859	0.3	0.45	0.12
	CB5 beam	1	0.308	0.3	0.45	0.04
	CB6 beam	1	4.95	0.3	0.3	0.45
	CB7 beam	1	4.374	0.3	0.3	0.39
	CB8 beam	1	3.08	0.3	0.3	0.28
	CB9 beam	1	3.794	0.3	0.3	0.34
	CB10 beam	1	3.017	0.3	0.3	0.27
	CB11 beam	1	2.427	0.3	0.45	0.33
	CB12 beam	1	3.85	0.3	0.45	0.52
	CB13 beam	1	0.79	0.3	0.45	0.11
	CB14 beam	1	3.017	0.3	0.3	0.27
	CB15 beam	1	2.427	0.3	0.45	0.33
	CB16 beam	1	2.427	0.3	0.3	0.22
	CB17 beam	1	3.85	0.3	0.45	0.52
	CB18 beam	1	0.79	0.3	0.45	0.11
	FB1 beam	1	1.97	0.3	0.53	0.31
	FB2 beam	1	3.08	0.3	0.53	0.49
	FB3 beam	1	0.859	0.3	0.53	0.14
	FB4 beam	1	1.54	0.3	0.53	0.24
	FB5 beam	1	3.08	0.3	0.53	0.49
	FB6 beam	1	0.859	0.3	0.53	0.14
	FB7 beam	1	1.62	0.3	0.53	0.26
	FB7A beam	1	3.41	0.3	0.53	0.54
	FB8 beam	1	3.08	0.3	0.53	0.49
	FB9 beam	1	3.08	0.3	0.53	0.49
	FB9 beam	1	4.764	0.3	0.53	0.76
	FB10 beam	1	4.374	0.3	0.53	0.70
	FB11 beam	1	3.08	0.3	0.53	0.49
	FB12 beam	1	3.794	0.3	0.53	0.60
	FB13 beam	1	2.427	0.3	0.53	0.39
	FB13 beam	1	2.427	0.3	0.53	0.39
	FB14 beam	1	2.25	0.3	0.53	0.36
	FB14 beam	1	2.25	0.3	0.53	0.36
	FB14 beam	1	3.85	0.3	0.53	0.61
	FB14 beam	1	3.85	0.3	0.53	0.61
	FB16 beam	1	3.017	0.3	0.53	0.48
	FB17 beam	1	2.427	0.3	0.53	0.39
	FB18 beam	1	2.25	0.3	0.53	0.36
	FB18 beam	1	3.85	0.3	0.53	0.61
	FB19 beam	1	0.79	0.3	0.53	0.13
	FB20 beam	1	2.25	0.3	0.53	0.36
	FB20 beam	1	3.85	0.3	0.53	0.61
	FB20 beam	1	3.85	0.3	0.53	0.61
	FB21 beam	1	3.017	0.3	0.53	0.48
	FB22 beam	1	2.427	0.3	0.53	0.39
	FB23 beam	1	2.25	0.3	0.53	0.36
	FB24 beam	1	3.85	0.3	0.53	0.61
	FB25 beam	1	0.79	0.3	0.53	0.13
	FB26 beam	1	2.427	0.3	0.53	0.39



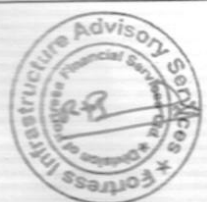
Gare vix

Name of work:- Development of Underground Sewerage 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 STP for Aurangabad City.

Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
	STAIR					
	1st flight	1	1.539	0.9	0.15	0.21
	1st flight Landing	1	1.8	0.9	0.15	0.24
	2,3,4,5,6,7,8 flight	7	2.7	0.9	0.15	2.55
	2,3,4,5,6,7,8 flight Landing	7	1.8	0.9	0.15	1.70
	rise	75	0.9	0.27	0.15	2.73
	Quantity executed upto RA Bill 08	0.00				308.38
	Total Quantity	308.38				308.377
						Percentage work done upto date
						100.0%

Item 1.5 RCC works for pump House						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
	C5,6,7,10,13,14,15	7	0.35	0.35	4.5	3.86
	C8,9,11,12	4	0.38	0.3	4.5	2.05
	RS1 Slab	1	3.953	3.76	0.13	1.93
	RS1 Slab	1	4.044	4.974	0.13	2.61
	RS1 Slab	1	4.624	5.173	0.13	3.11
	RS2 Slab	1	4.917	2.427	0.13	1.55
	RS2 Slab	1	3.16	2.427	0.13	1.00
	RS2 Slab	1	2.48	3.772	0.13	1.22
	RS2 Slab	1	1.564	2.472	0.13	0.50
	RB1 beam	1	2.915	0.3	0.32	0.28
	RB2 beam	1	5.33	0.3	0.32	0.51
	RB3 beam	1	3.08	0.3	0.32	0.30
	RB4 beam	1	1.475	0.3	0.32	0.14
	RB5 beam	1	4.374	0.3	0.32	0.42
	RB6 beam	1	3.08	0.3	0.32	0.30
	RB7 beam	1	3.794	0.3	0.32	0.36
	RB8 beam	1	3.057	0.3	0.32	0.29
	RB9 beam	1	2.427	0.3	0.32	0.23
	RB10 beam	1	2.913	0.3	0.32	0.28
	RB12 beam	1	2.427	0.3	0.32	0.23
	RB11 beam	1	3.747	0.3	0.32	0.36
	RB 13,14,15,16 BOTTOM	1	18.54	0.3	0.57	3.17
	RB17 beam bottom	1	4.35	0.3	0.57	0.74
	Quantity executed upto RA Bill 08	0.00				25.46
	Total Quantity	25.46				25.456
						Percentage work done upto date
						100.0%

Item 1.6 Brick Masonry, Doors and Windows						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
	C7 to C10	1	2.59	0.23	3.8	2.26
	C10 to C14	1	5.7	0.23	3.8	4.98
	C14 to C15	1	3.17	0.23	3.8	2.77
	C15 to C13	1	5.1	0.23	3.8	4.46
	C5 to C8	1	2.915	0.23	4.05	2.72
	C5 to C8	1	2.819	0.23	4.05	2.63
	C8 to C8	1	3.08	0.23	4.05	2.87
	C8 to C17	1	3.41	0.23	4.05	3.18
	C17 to C7	1	1.62	0.23	4.05	1.51
	C7 to C8 PARAPIT WALL	1	22.89	0.23	0.3	1.58
	C7 to C8 PARAPIT WALL	1	9.155	0.23	0.3	0.63
	C5 to C8 PARAPIT WALL	1	3.209	0.23	0.3	0.22
	C5 to C8 PARAPIT WALL	1	3.265	0.23	0.3	0.23
	DEDUCTION					
	DOOR	1	0.9	0.23	2.1	-0.43
	W	6	1.5	0.23	1.5	-3.11
	V	3	1.5	0.23	0.6	-0.62
	OP	1	0.75	0.23	2.1	-0.36
	Quantity executed upto RA Bill 08	0.00				25.50
	Total Quantity	25.50				25.504
						Percentage work done upto date
						100.0%
						5% hold for Doors & Windows
						95.0%



Gare v. k

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

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

Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
Item 1.7 Plastering and Flooring, Painting, Railing, misc works etc						
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
External						
	C7 to C13	1	18.54		5.1	94.55
	C6 to C5	1	3.615		4.8	17.35
	C5 to C9	1	3.234		4.8	15.52
	C9 to C7	1	9.155		4.8	43.94
	C10,C14,C15,C13	8	0.12		4.1	3.94
	DOOR CHAJJA	2	1.2		0.6	1.44
	DOOR CHAJJA SIDE	2	0.6		0.1	0.12
	DOOR CHAJJA SIDE	1	1.2		0.1	0.12
	OP CHAJJA	2	1.2		0.6	1.44
	OP CHAJJA SIDE	2	0.6		0.1	0.12
	OP CHAJJA SIDE	1	1.2		0.1	0.12
Internal						
	C7 to C13	1	18.54		4.37	81.02
	C6 to C5	1	2.915		4.37	12.74
	C5 to C9	1	3.234		4.37	14.13
	C9 to C7	1	8.79		4.37	38.41
	C11	1	1.36		4.05	5.51
	C12	1	1.36		4.05	5.51
	DOOR SIDE	2	0.23		2.1	0.97
	DOOR LINTEN BEAM BOTTOM	1	0.23		0.9	0.21
	OP SIDE	2	0.23		2.1	0.97
	OP LINTEN BEAM BOTTOM	1	0.23		0.75	0.17
	C7 to C9 PARAPIT WALL	1	9.33		0.3	2.80
	C7 to C9 PARAPIT WALL	1	9.33		0.23	2.15
	C6 to C5 PARAPIT WALL	1	3.265		0.3	0.98
	C6 to C5 PARAPIT WALL	1	3.265		0.23	0.75
	C9 to C5 PARAPIT WALL	1	3.209		0.3	0.96
	C9 to C5 PARAPIT WALL	1	3.209		0.23	0.74
	C6 to C13 PARAPIT WALL	1	4.35		0.3	1.31
	C6 to C13 PARAPIT WALL	1	4.35		0.23	1.00
DEDUCTION						
	DOOR	1	0.9		2.1	-1.89
	W	6	1.5		1.5	-13.50
	V	3	1.5		0.6	-2.70
	OP	1	0.75		2.1	-1.58
Quantity executed upto RA Bill 08		0.00	Quantity executed in RA Bill 09			329.32
Total Quantity		329.32	Quantity executed upto date			329.317
						Percentage work done upto date
						100.0%
20% hold for Flooring, Painting, Railing, misc works etc						80.0%



AM
Gate V.K

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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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 :												
SPS												
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 (
							Unit	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 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.							
					Items to include 1) Carrying out contour survey of pumping station site, and collection of data such as foundation strata, water table level, HFL levels, etc, necessary for design of Pumping station 2) The design shall be in accordance with various relevant I.S. specification (I.S.456/2000, I.S. 875-1987, I.S. 3370-1965 or revised 3) Designing of Pumping stations comprising of Sump to adequate capacity for ultimate stage flow and pump house of required size with floor level 1.0 m above the HFL to accommodate pumps required to be installed as specified in details scope of work, designing of pumping machinery as specified and approved by Engineer In Charge etc complete.							


 G. V. K.



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
					10) Providing and fixing steel rolling shutters, doors, windows, ventilators, providing and fixing polished kota flooring with False flooring as and when required, providing necessary electrification inside and outside plaster, providing and applying oil bound distemper from inside and snow cement paint to external exposed walling of the pump house for each of the pumping stations as specified in detailed scope of work etc complete							
					11) Providing necessary automation to enable unmanned operation							

[Signature]
Gore v.r



to

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
				1.7	Sewage Pumping Station and Pump House at Zalta		No	6164054				
				I	PRELIMINARY WORK PAYMENT SCHEDULE @ 4%			246562				
50.00%	50.00%	50.00%	0.00%	1	Submission of RCC Design & Drawing			123281		123281	76154	47127
50.00%	50.00%	50.00%	0.00%	2	Approval of RCC Design & Drawing			123281		123281	76154	47127
100.00%	100.00%	100.00%	0.00%	I	Total			246562		246562	152308	94254
				II	CONSTRUCTION WORK PAYMENT SCHEDULE							
				1	Civil Works - Total 96%			5917492				
16.67%	16.667%	16.667%	0.000%	1.1	Excavation work			986268		986268	609242	377026
6.67%	6.670%	0.000%	6.670%	1.2	Raft Slab including PCC			394460		394460	0	394697
13.33%	13.330%	0.000%	13.330%	1.3	RCC Walls and Column Structures, staircase Walkways up to Floor level			788979		788979	0	788802
10.00%	10.00%	0.00%	10.000%	1.4	Coarse Screen Chambers			591749		591749	0	591749
23.33%	23.33%	0.00%	23.330%	1.5	RCC works for pump House			1380728		1380551	0	1380551
16.67%	15.84%	0.00%	15.840%	1.6	Brick Masonary, Doors and Windows			986268		937331	0	937331
6.67%	5.33%	0.00%	5.330%	1.7	Plastering and Flooring, Painting, Railing, misc works etc			394519		315402	0	315402
6.67%				1.8	Hydraulic Test of Water Retaining Structures Completion			394519				
100.00%	91.17%	16.67%	74.50%	I	Total			5917492		5394800	609242	4785558
					Total For SPS					5641362	761550	4879812
					After Above 21.69%					1223611	165180	1058431
					Total Amount					6864973	946730	5938243

[Signature]
Executive Engineer
AMC

[Signature]
Dy. Engineer
AMC

[Signature]
Jr. Engineer
AMC
[Signature]
Steve v. n

