

98 SPS

Measurements of Ninth Running Account Bill

SCHEDULE B - FOR PART B - B 1 (Percentage Rate Contract)						
1.6	Sewage Pumping Station and Pump House at Ward No 98					
I	PRELIMINARY WORK PAYMENT SCHEDULE (AS per billing Breakup) @ 4.00 %					
Item 1	Submittal Description			Submission Letter No.		
Date of Measurement	Item No. 1.Submission of RCC, Mechanical, Electrical & Instrumentation Design @ 2%					
	Submission of RCC Design & Drawing			KIPL/A'bad/681/2016		
	Quantity executed upto RA Bill 08	0.000	Quantity executed in RA Bill 09		1.000	
	Total Quantity	1.00	Quantity executed upto date		1.000	
					Percentage work done upto date	
					100.00%	
Date of Measurement	Item No. 2.Approval of RCC, Mechanical, Electrical & Instrumentation Design @ 2%					
Item 2	Submittal Description			Submission Letter No.		
	Approval of RCC Design & Drawing			FIAS/A'bad/311A/2016		
	Quantity executed upto RA Bill 08	0.000	Quantity executed in RA Bill 09		1.000	
	Total Quantity	1.00	Quantity executed upto date		1.000	
					Percentage work done upto date	
					100.00%	
II	CONSTRUCTION WORK PAYMENT SCHEDULE					
1	Civil Work @ 96%					
	Water Retaining Structure					
Item 1.1	Excavation Work					
a	Excavation and dressing Complete					
Date of Measurement	Particulars of work	No.	L (m)	B (m)	H (m)	Totals (m ³)
	Excavation for SPS Part I	1.00	0.785	144.00	4.00	452.16
	Excavation for SPS Part II	1.00	0.785	110.25	3.80	328.88
	Excavation for SPS Part III (For Pit)	1.00	3.400	3.60	1.00	12.24
	Quantity executed upto RA Bill 08	0.00	Quantity executed in RA Bill 09		793.28	
	Total Quantity	793.28	Quantity executed upto date		793.28	
					Percentage work done upto date	
					100.0%	
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	72.25	0.15	8.51
	Quantity executed upto RA Bill 08	0.00	Quantity executed in RA Bill 09		8.51	
	Total Quantity	8.51	Quantity executed upto date		8.507	
					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 Part I	1	0.785	68.890	0.400	21.63
	Raft Slab of grade M 30 Part II for wall in Pit Area	1	6.000	0.400	1.000	2.40
	Quantity executed upto RA Bill 08	0.00	Quantity executed in RA Bill 09		24.03	
	Total Quantity	24.03	Quantity executed upto date		24.031	
					Percentage work done upto date	
					100.0%	
					Percentage of (PCC + Raft slab) work done upto date	
					100.0%	



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Tanjure Anil
Sect. GSS.

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

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

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 - 9 R.A. Bill Dt : 15.06.2016

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	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.	6	7	8	9	10	11	12	
					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 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.								



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and Zone Saini A/c. 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 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)

AMC/Vol.1 R&C/HDSSMT/2014/184 Date 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
				4)	Excavation for foundation and construction of RCC sump of required capacity in all types of strata such as soil, marshy, Slushy/muddy soil, sand, gravel, murum, soft rock, hard rock, old cement and lime masonry foundation etc by chiselling, wedging line drilling by mechanical means or by any other means including well sinking works for all lifts including necessary shoring strutting, open timbering wherever necessary, removing, the excavated material up to safe distance and stacking and spreading, carting back for refilling, disposal of surplus excavated stuff up to 5 km lead as directed by, necessary dewatering for excavation and construction and necessary backfilling with						
				5)	Providing and laying in situ cement concrete in proportion M30 of trap metal for foundation and bedding, vertical walls, slabs, flooring, roof, columns stairs including bailing out water necessary formwork, compaction, and curing etc complete.						
				6)	Providing and fixing in position steel bar reinforcement of various diameters for RCC piles, Pile Caps, footing, foundations, slabs, beams, columns, canopies, staircase newels, chajis lintels, etc as per detailed design, drawings, and schedules including cutting, bending, hooking the bars binding with wires or tack welding and supporting as required etc complete (including cost of binding wire)						
				7)	providing, erecting and giving test of raw sewage pumping machinery for each pumping station as specified in detailed scope of work conforming to IS 9070 operating at 2800 RPM with necessary piping, valves, starters, panel board, cables and wiring, with CL impeller, priming funnel, cock, suitable flanges a at suction and delivery side motor shall be suitable for working on 415 V-+ 10% 3PH,50 A.C Supply. motor shall be TEFC (energy efficient motor) at suction and delivery side motor						



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

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

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
					8) providing, erecting electric valve actuators totally enclosed weather-proof and dust proof construction for each pumping station as specified in detailed scope of work with IP-67 protection class suitable for installation in any position without lubrication leakage or other operational difficulty with special grease filled gear box and hand wheel for emergency manual operation which will automatically disengage on restoration of power to motor and with 10 W single phase space heater and continuous local mechanical position indicator and individually replaceable counter gear assembly and with two torque and four limit switches with SS flap and operated with gear driven cams and of rating 250 Volt, 5 Amp AC/DC torque switch-dial and with TEFC squirrel cage induction motor working on 440 Volts +/- 10%, 3 phase, 50 Hz AC of intermittent duty rating S-2 insulation class F and temp rise restricted to class B with IP-67 protection class suitable for DOL starting and with three thermostat and 30% over load margin. The torque rating of reduction gear box shall be at least 1.5 times max torque required for opening and closing of valve etc complete							
					9) Providing Erecting EOT/chain pulley box for each pumping stations as specified in detail scope of work with 6m lift complete with load chain and hand chain suitable for above lift tested to 50% over load as per IS 3832 carrying ISI mark							
					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							



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

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

Date of Measurement	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 (Since Previous
									Full Rate	Part rate		Upto date Amount	Amount Upto last bill	
					1.6	Sewage Pumping Station and Pump House at Ward No.98		No	2778584					
					I	PRELIMINARY WORK PAYMENT SCHEDULE @ 4%								
	50.00%	50.00%	0.00%	50.00%	1	Submission of RCC Design & Drawing			111143					
	50.00%	50.00%	0.00%	50.00%	2	Approval of RCC Design & Drawing			55572			55572	0	55572
	100.00%	100.00%	0.00%	100.00%	I	Total			111143			111143	0	111144
					II	CONSTRUCTION WORK PAYMENT SCHEDULE								
					1	Civil Works - Total 96%								
	16.67%	16.667%	0.000%	16.667%	1.1	Excavation work			2667441					
	6.67%	6.670%	0.000%	6.670%	1.2	Raft Slab including PCC			444582			444582	0	444582
	13.33%	12.020%	0.000%	12.020%	1.3	RCC Walls and Column Structures, staircase Walkways up to Floor level			177812			177918	0	177918
	10.00%	10.00%	0.00%	10.00%	1.4	Coarse Screen Chambers			355650			320626	0	320626
	100.00%	45.36%	0.00%	45.36%	I	Total			266744			266744	0	266744
						Total For SPS			2667441			1209871	0	1209870
						After Above 21.69%			2778584			1321014	0	1321014
						Total Amount			602675			286528	0	286528
						Total Amount			3381259			1607542	0	1607542

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Executive Engineer
AMC

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Dy. Engineer
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Jr. Engineer
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Total up to Date

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