

East London IDZ					
Provision of Maintenance Services for Pump Stations					
Contract Number : ES / 19 / PS / 01					
Item	Description	Unit	Qty	Supply Rate	Amount
	SECTION A1 : ANNUAL CHARGES				
A1.1	Annual Preliminary & General				
A1.1.1	Provision of surety	Year	1		
A1.1.2	Provision of insurances	Year	1		
A1.1.3	Staff protective personal equipment	Year	1		
A1.1.4	Staff induction	Year	1		
A1.1.5	OHS compliance method statement	Year	1		
A1.1.6	CEMP compliance method statement	Year	1		
A1.1.7	Provision of Electronic Maintenance Manual	Year	1		
A1.1.8	Provision of Updated drawings in AutoCAD format	Year	1		
TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY				Sub Total	R -
	SECTION A2 : MONTHLY CHARGES				
A2.1	Monthly Preliminary & General				
A2.1.1	Monthly overheads & administration charges	Months	12		
A2.1.2	Other contractual items not detailed above	Months	12		
TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY				Sub Total	R -
	SECTION B1 : ROUTINE MAINTENANCE				
B1	Routine maintenance (inclusive of all labour, equipment, transport and related costs)				
B1.1	Complete monthly inspection & submit condition report of Z1A Indoor Waste Water Pump Station Assets	No.	12		
B1.2	Maintain/Support 2 x Gorman Rupp T6 Pumps, 2 x 37 KW Motors, 4 x N/R Valves, 2 x Isolation valves, Suction & Delivery Pipe work, 2 x Vacuum & 2 x Pressure Gauges, Protection, Support Brackets, Covers and Name Plates - Application of Tectyl Marine Grade Corrosion retardant, greasing and lubricating will be included in this activity	No.	12		
B1.3	Maintain/Support Huber Rotamat R02/1000/3 Screen including electrical control panel, water supply lines, jets, bearings and differential controls	No.	12		
B1.4	Maintain/Support Main Electrical Distribution Control Panel for the plant room including display indication, filtered ventilation, 2 x Siemens G120 variable speed drives, protection equipment, single line diagrams, terminal connections and general cleaning	No.	12		
B1.5	Maintain/Support/Calibrate Endress + Hauser Magflo, level, differential instrumentation including display modules, float levels, pressure transducer, control outputs, verification of I/O measurements required for Citect SCADA recordings & control	No.	12		
B1.6	Maintain/Support/Calibrate Endress + Hauser CE4 Measuring Station, including electronics, water sampler, analysis & protection instrumentation, pump, water supply, control outputs, verification of I/O measurements required for Citect SCADA recordings & control	No.	12		
B1.7	Maintain/Support Domestic Electrical installation including internal/external lighting, ventilation supplies, socket outlets, motor supplies, screen supply and CE4 measuring Station supply	No.	12		
B1.8	Cleaning of inlet channels and wet well sump	No.	12		
B1.9	Complete monthly inspection & submit condition report of Zone 1B Outdoor Waste Water Pump Station Assets	No.	12		
B1.10	Maintain/Support 2 x Gorman Rupp T2 Pumps, Motors, N/R Valves, Isolation valves, Suction & Delivery Pipe work, Gauges, Protection, Support Brackets, Covers and Name Plates - Application of Tectyl Marine Grade Corrosion retardant, greasing and lubricating will be included in this activity	No.	12		
B1.11	Maintain/Support Main Electrical Distribution Control Panel	No.	12		
B1.16	Cleaning of wet well sump	No.	12		

B1.25	Complete monthly inspection & submit condition report of <b>Complete Mariculture Sea Water Pump Station Assets - Including Reservoir Site, which details reconciliation of water delivery and consumption data</b>	No.	12		
B1.26	Maintain/Support 2 x ABS BE 425 - 2048 Pump Sets, 2 x 1LG4317 - 4AA60 - 2K20 + D60 200 KW Siemens Motors Size 315 L Therm CL 155 (F) IE1, 2 x Flygt BS 2720.390MT (241)Submersible Pumps, 1 x Submersible Pump, 4 x N/R Valves, 19 x Isolation Gate valves, 2 x Bermad Valves, Air valves All Pipe work inside the pump Station, All M&E Gauges, Fall Protection, Stairways, landings, Support Brackets, Covers and Name Plates - Application of Corrosion retardant, greasing and lubricating will be included in this activity	No.	12		
B1.27	Maintain/Support 2 x Hydrotech Drumfilters including electrical control panel, water supply lines, jets, bearings, filter panels and controls	No.	12		
B1.28	Maintain/Support/Calibrate All Control Instrumentation including display modules, float/ultrasonic levels, pressure transducer, control outputs, verification of I/O measurments required for Citect SCADA recordings & monitoring at the Reservoir Site	No.	12		
B1.29	Maintain/Support/Calibrate All Control Instrumentation including display modules, float/ultrasonic levels, pressure transducer, control outputs, verification of I/O measurments required for Citect SCADA recordings & monitoring at the Sea Water Pump Station	No.	12		
B1.30	Provide Annual certification for two (2) motorized winches and chains	No.	1		
B1.31	Maintain/Support two (2) motorized winches, including control wiring, lifting hooks, gantry and track	No.	12		
B1.32	Clear and remove Silt build-up around sea inlets cages in the gulley (anticipate 2 M3) on a bi-annual basis, remove cages, place temporary screens, clean cages and re-install cages - remove any debris in the inlet pipework before installing cages back into position	No.	1		
<b>TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY</b>				Sub Total	R -
Item	Description	Unit	Qty	Supply & Install Rate	Amount
<b>SECTION C1 : GENERAL MAINTENANCE</b>					
<b>C1</b>	<b>General maintenance (inclusive of 24 hour response with ELIDZ control and security office)</b>				
C1.1	Siemens G120 variable speed drive	Qty	1		
C1.2	Siemens PLC	Qty	1		
C1.3	Magflo meter	Qty	1		
C1.4	Paperless recorder	Qty	1		
C1.5	37 KW Siemens Motor	Qty	1		
C1.6	Complete Gorman Rupp T6 Pump Set with Balzona Lined Volute and Stainless Steel Impellor	Qty	1		
C1.7	Stainless Steel Impellor	Qty	1		
C1.8	Impellor Wear Plate	Qty	1		
C1.9	Impellor Seal	Qty	1		
C1.10	Inlet Non Return Valve	Qty	1		
C1.11	Exit Non Return Valve	Qty	1		
C1.12	Isolation Valve	Qty	1		
C1.13	Air Release valve	Qty	1		
C1.14	Inlet Pipe line	Qty	1		
C1.15	Vacuum Gauge	Qty	1		
C1.16	Pressure Gauge	Qty	1		
C1.17	V Belt	Qty	1		
C1.18	Six Point Inlet Flow Monitoring and Report for a week period with the aid of data logging equipment - data to be provided in electronic format for record / reference purposes and should include a reconciliation report that details findings and recommendations explaining pumpstation outputs	Qty	2		
<b>TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY</b>				Sub Total	R -
<b>SECTION A4 : PROVISIONAL CHARGES</b>					

Item	Description	Unit	Qty	Supply & Install Rate	Amount
	<b>SECTION D1 : PROVISIONAL SUMS</b>				
<b>D1.1</b>	<b>Call out (inclusive of all labour, equipment, transport and related costs)</b>				
D1.1.1	Emergency response (Immediate)	No.	1		
D1.1.2	Urgent response (24 hours)	No.	2		
D1.1.3	Routine response (extra over during normal working hours)	No.	20		
<b>D1.2</b>	<b>Labour additional to scheduled works</b>				
D1.2.1	Mechanical Technician	hr	40		
D1.2.2	Semi Skilled Labour	hr	40		
D1.2.3	Labour	hr	40		
<b>D1.3</b>	<b>Travelling additional to scheduled works</b>				
D1.3.1	LDV	hr	72		
D1.3.2	Truck - 8 Ton	hr	20		
D1.3.3	Hydraulic Platform	hr	5		
D1.3.4	Crane truck	hr	8		
D1.3.5	Compressor	hr	8		
D1.3.6	Whacker Rammer Compactor	hr	8		
<b>D1.4</b>	<b>Provisional Allowance for replacement equipment</b>				
D1.4.1	Contingency allowance for non-schedule Work	Sum	1	R 150 000,00	
D1.4.2	Profit and Attendance	%	1		
D1.4.3	Provisional Sum for Waste Water Equipment	Sum	1	R 150 000,00	
D1.4.4	Profit and Attendance	%	1		
D1.4.5	Provisional Sum for Mariculture Installation	Sum	1	R 55 110,00	
D1.4.6	Profit and Attendance	%	1		
D1.4.7	Provisional Sum for Specialized Diving and Gulley Cleaning	Sum	1	R 55 110,00	
D1.4.8	Profit and Attendance	%	1		
<b>TOTAL FOR SCHEDULE CARRIED FORWARD TO SUMMARY</b>				Sub Total	
<b>SUMMARY</b>					<b>Amount</b>
SECTION A1 : ANNUAL CHARGES					R -
SECTION A2 : MONTHLY CHARGES					R -
SECTION B1 : ROUTINE MAINTENANCE					R -
SECTION C1 : GENERAL MAINTENANCE					R -
SECTION D1 : PROVISIONAL SUMS					R -
Nett Tender Sum for Year 1					R -
Nett Tender Sum for Year Two (2) Escalation Applied					R -
Nett Tender Sum for Year Three (3) Escalation Applied					R -
Total for Three (3)Year Term					R -
Add VAT @ 15%					R -
<b>Gross Tender Sum carried to Form of Offer</b>					R -