MIAMIBEACH

Cost Proposal Form
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RFP-2018-233-KB

DESIGN, BUILD, OPERATE AND MAINTAIN WATER, WASTEWATER AND STORMWATER SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) & PROGRAMMABLE LOGIC CONTROLLER (PLC)

PROCUREMENT DEPARTMENT
1755 Meridian Avenue, 3rd Floor
Miami Beach, Florida 33139

COST PROPOSAL FORM

GROUP 1: WASTEWATER STATIONS					
GROUP 1: **Wastewater station** RTU Panel as schedule on the Drawings to furnish and install a complete RTU radio telemetry equipment mounted on a back plate in a new enclosure (RTU panel) as scheduled. The RTU panel shall be rack mounted on existing rack, new Unistrut panel rack or wall mounted in existing electrical rooms as scheduled. Antenna mast with Yagi antenna. Terminate signal wiring in RTU, program RTU and SCADA server DNP3 communication driver, provide field testing, and all other miscellaneous items as shown on the Drawings and/or Technical Specifications not specifically covered in other bid items.					
Pump Station Name	**Address**	**Pump Station Type**	**Number of Pumps**	**Proposed RTU Name**	**Cost**
Station #1	1053 Jefferson Ave	Dry Pit	4	RTU-101	$79,657.00
Station #2	35 Star Island	Submersible	4	RTU-102	$65,411.00
Station #4	231 S. Hibiscus Drive	Submersible	2	RTU-104	$31,133.00
Station #5	195 Palm Av	Submersible	2	RTU-105	$29,944.00
Station #6	229 E. San Marino Drive	Submersible	2	RTU-106	$29,944.00
Station #7	428 W. DiLido Drive	Submersible	2	RTU-107	$29,944.00
Station #8	228 W. Rivo Alto Drive	Submersible	2	RTU-108	$29,944.00
Station #10	28 Venetian Way	Dry Pit	3	RTU-110	$71,149.00
Station #11	1710 Washington Ave	Dry Pit	3	RTU-111	$71,149.00
Station #13	2270 Sunset Drive	Submersible	2	RTU-113	$29,944.00
Station #14	2730 Sunset Drive	Submersible	2	RTU-114	$29,944.00
Station #15	Pine Tree Drive & W. 51st Street	Dry Pit	2	RTU-115	$70,287.00
Station #18	6590 Pine Tree Drive	Submersible	2	RTU-118	$29,944.00
Station #19	6850 Indian Creek Drive	Dry Pit	2	RTU-119	$70,287.00
Station #21	850 W. 71st Street	Dry Pit	2	RTU-121	$70,287.00
Station #22	Hagan Street on golf Course	Dry Pit	2	RTU-122	$70,287.00
Station #23	750 W. 75th Street	Dry Pit	2	RTU-123	$70,287.00
Station #24	8100 Hawthorne Ave	Dry Pit	2	RTU-124	$70,287.00
Station #27	5400 Collins Ave	Dry Pit	2	RTU-127	$70,287.00

Station #28B	300 28th Street	Booster	3	RTU-128	$87,587.00
Station #28L	300 28th Street	Dry Pit	3	RTU-128	Included with 28B
Station #29B	Indian Creek Drive & 63rd Street	Booster	3	RTU-129	$87,587.00
Station #29L	Indian Creek Drive & 63rd	Dry Pit	3	RTU-129	Included with 29B
Station #30	100 MacArthur Cswy/Terminal Island	Submersible	4	RTU-130	$65,411.00
Station #31	290 Washington Ave	Submersible	6	RTU-131	$68,715.00
				SUBTOTAL GROUP 1	**$1,329,416.00**

GROUP 2: WATER STATIONS					
GROUP 2: **Water booster pump station** RTU Panel as schedule on the Drawings to furnish and install a complete RTU radio telemetry equipment mounted on a back plate in a new enclosure (RTU panel) as scheduled. The RTU panel shall be wall mounted in existing electrical rooms as scheduled. Antenna mast with Yagi antenna. Terminate signal wiring in RTU, program RTU and SCADA server DNP3 communication driver, provide field testing, and all other miscellaneous items as shown on the Drawings and/or Technical Specifications not specifically covered in other bid items.					
Pump Station Name	**Address**	**Pump Station Type**	**Number of Pumps**	**Proposed RTU Name**	**Cost**
Station #W1	451 Dade Boulevard	Injector	3	RTU-201	$70,814.00
Station #W2	75th Street & Dickens Ave	Booster	3	RTU-202	$70,814.00
Station #W3	71st St & Fountain (Normandy)	In-Line Booster	2	RTU-203	$65,681.00
Station #W4	1050 Arthur Godfrey Road (41st Street)	In-Line Booster	3	RTU-204	$70,814.00
Station #W5	Belle Isle NE side of Venetian Way	In-Line Booster	1	RTU-205	$65,681.00
Station #W7	Terminal Island	In-Line Booster	2	RTU-207	$65,681.00
				SUBTOTAL GROUP 2	**$409,485.00**

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GROUP 3: STORMWATER PUMP STATIONS

Group 3: **Stormwater pump station** RTU Panel as scheduled on the Drawings to furnish and install a complete RTU radio telemetry equipment mounted on a back plate in a new enclosure (RTU panel) as scheduled. The RTU panel shall be rack mounted on existing racks, or new Unistrut panel rack as scheduled. Antenna mast with Yagi antenna. Terminate signal wiring in RTU, program RTU and SCADA server DNP3 communication driver, provide field testing, and all other miscellaneous items as shown on the Drawings and/or Technical Specifications not specifically covered in other bid items.

Pump Station Name	Address	Pump Station Type	Number of Pumps	Proposed RTU Name	Cost
Station #1	1700 Purdy Ave	Submersible	2	RTU-001	$30,555.00
Station #2	1830 Purdy Ave	Submersible	2	RTU-002	$30,555.00
Station #2A	1820 Purdy Ave	Submersible	1	RTU-002A	$52,239.00
Station #3	20 Sunset Harbor Drive	Submersible	2	RTU-003	$30,555.00
Station #4	1400 Bay Road	Submersible	2	RTU-004	$31,133.00
Station #5	52 Venetian Way	Submersible	2	RTU-005	$31,133.00
Station #6	1608 Bay Road	Submersible	2	RTU-006	$31,133.00
Station #7	1608 Bay Road	Submersible	2	RTU-007	$31,133.00
Station #8	2101 Prairie Ave	Submersible	2	RTU-008	$31,133.00
Station #9	4701 N Michigan Ave	Submersible	2	RTU-009	$30,555.00
Station #10	875 W 46TH Street	Submersible	2	RTU-010	$30,555.00
Station #11	4565 Nautilus Drive	Submersible	2	RTU-011	$30,555.00
Station #12	4445 N Jefferson Ave	Submersible	2	RTU-012	$30,555.00
Station #13	4220 N Meridian Ave	Submersible	2	RTU-013	$30,555.00
Station #14	4213 Nautilus Drive	Submersible	2	RTU-014	$30,555.00
Station #15	1111 Lincoln Road	Submersible	2	RTU-015	$31,133.00
Station #16	790 South Pointe Drive	Submersible	2	RTU-016	$31,133.00
Station #17	2380 Liberty Ave	Submersible	2	RTU-017	$31,133.00
Station #18	2687 Pine Tree Drive	Submersible	2	RTU-018	$31,133.00
Station #19	3405 Chase Avenue	Submersible	2	RTU-019	$31,133.00
Station #20	529 W 37TH Street	Submersible	2	RTU-020	$31,133.00
Station #21	305 W 34TH Street	Submersible	2	RTU-021	$31,133.00
Station #22	2796 Prairie Ave	Submersible	2	RTU-022	$31,133.00
Station #23	8501 Hawthorne Ave	Submersible	2	RTU-023	$30,555.00
Station #24	2300 N Bay Road	Submersible	2	RTU-024	$53,258.00
Station #25	1480 10TH Street (City)	Submersible	2	RTU-025	$53,258.00

Station #26	1490 10TH Street (FDOT)	Submersible	2	RTU-026	$31,133.00
Station #27	1480 14TH Street (City)	Submersible	2	RTU-027	$53,258.00
Station #28	1470 14TH Street (FDOT)	Submersible	2	RTU-028	$53,258.00
Station #29	4300 Indian Creek Drive (FDOT)	Submersible	2	RTU-029	$31,133.00
Station #30	8103 Crespi Blvd	Submersible	2	RTU-030	$53,258.00
Station #31	1223 6TH Street (FDOT)	Submersible	2	RTU-031	$31,133.00
Station #32	630 Alton Road (City)	Submersible	2	RTU-032	$53,258.00
Station #33	1261 17TH Street	Submersible	2	RTU-033	$53,258.00
Station #34	Rivo Alto North	Submersible	2	RTU-034	$53,258.00
Station #35	Rivo Alto South	Submersible	2	RTU-035	$53,258.00
Station #36	840 E Di Lido Drive	Submersible	2	RTU-036	$53,258.00
Station #37	61 E Di Lido Drive	Submersible	2	RTU-037	$53,258.00
Station #38	435 E San Marino Drive	Submersible	2	RTU-038	$53,258.00
Station #39	8 W San Marino Drive	Submersible	2	RTU-039	$53,258.00
Station #40	Palm Island	Submersible	2	RTU-040	$53,258.00
Station #41	Palm Island West	Submersible	3	RTU-041	$55,060.00
Station #42	Hibiscus Island	Submersible	3	RTU-042	$55,060.00
Station #43	2299 Sunset Drive (Sunset IV)	Submersible	2	RTU-043	$53,258.00
Station #44	1400 W 21ST Street (Sunset III)	Submersible	2	RTU-044	$53,258.00
Station #45	2100 Washington Ave	Submersible	4	RTU-045	$64,077.00
Station #46	Central Bayshore Dr.	Submersible	2	RTU-046	$31,133.00
Station #47	44TH & Chase	Submersible	NA	RTU-047	$0.00
Station #48	19th St. & Meridian Ave.	Submersible	4	RTU-048	$64,077.00
Station #50	Indian Creek and 32nd Street	Under Const.	2	RTU-050	$57,454.00
				SUBTOTAL GROUP 3	**$2,034,906.00**

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GROUP 4: WASTEWATER FLOW METERS					
Item	**Description**	**Quantity**	**U / M**	**Unit Cost**	**Total (Quantity x Unit Cost)**
4	This item shall be measured and paid at a unit price for each wastewater flow meter RTU Panel as schedule on the Drawings to furnish and install a complete RTU radio telemetry equipment mounted on a back plate in a new enclosure (RTU panel) as scheduled. The RTU panel shall be rack mounted on new Unistrut panel rack or as scheduled. Antenna mast with Yagi antenna. Terminate signal wiring in RTU, program RTU and SCADA server DNP3 communication driver, provide field testing, and all other miscellaneous items as shown on the Drawings and/or Technical Specifications not specifically covered in other bid items.	6	each	$31,133.00	$186,798.00
				SUBTOTAL GROUP 4	**$186,798.00**

GROUP 5: REPEATER TELEMETRY PANEL AND ANTENNAS					
Item	**Description**	**Quantity**	**U / M**	**Unit Cost**	**Total (Quantity x Unit Cost)**
5	This item shall be measured and paid at a unit price for the repeater telemetry panel, and antennas. Repeater panel complete with main radio and repeater radio equipment as shown on drawings. The repeater panel shall be wall mounted. Two antenna mast with Yagi and omni antennas at the repeater site and at the central site. Terminate antenna cables signal wiring, program RTU and SCADA server DNP3 communication driver, provide field testing, and all other miscellaneous items as shown on the Drawings and/or Technical Specifications not specifically covered in other bid items.	1	each	$58,435.00	$58,435.00
				SUBTOTAL GROUP 5	**$58,435.00**

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GROUP 6: CENTRAL CONTROL ROOM					
Item	**Description**	**Quantity**	**U / M**	**Unit Cost**	**Total (Quantity x Unit Cost)**
6	Central Control Room Engineering, design, hardware, software, programming, and integration including all necessary work for a fully functioning SCADA system. Vendor shall provide four (4) new workstations. Control Room configuration to be finalized and agreed upon by Vendor and City during the submittal process.	1	Lump Sum	$84,599.00 + $27,975 Grounding has Been added	$112,574.00
				SUBTOTAL GROUP 6	**$112,574.00**
WATER, WASTEWATER AND STORMWATER SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) & PROGRAMMABLE LOGIC CONTROLLER (PLC) SUBTOTAL (GROUPS 1-6)					**$4,131,614.00**

GROUP 7: WATER, WASTEWATER AND STORMWATER SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) & PROGRAMMABLE LOGIC CONTROLLER (PLC) MAINTENANCE					
Item	**Description**	**Quantity**	**U / M**	**Unit Cost**	**Total (Quantity x Unit Cost)**
7	Annual Maintenance Year 1 (beginning at successful completion of FINAL acceptance)	1	Lump Sum	$71,562.00	$71,562.00
8	Annual Maintenance Year 2	1	Lump Sum	$71,562.00	$71,562.00
9	Annual Maintenance Year 3	1	Lump Sum	$71,562.00	$71,562.00
10	Annual Maintenance Year 4	1	Lump Sum	$76,214.00	$76,214.00
11	Annual Maintenance Year 5	1	Lump Sum	$81,168.00	$81,168.00
MAINTENANCE SUBTOTAL (GROUP 7 ITEMS 7-10)					**$372,068.00**

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THE ITEMS ON THIS PAGE MAY BE AWARDED TO THE VENDOR AT SOLE DISCRETION OF THE CITY

FUTURE GROUP 1: FUTURE WASTEWATER STATIONS					
FUTURE GROUP 1: Unit capital cost for future w**astewater station** integration into the SCADA system and annual maintenance cost. Cost shall be for a SCADA system and associated equipment that is similar in scope and performance to that proposed in this bid proposal. **Prices will be escalated based on the Consumer Price Index with a cap of 3% to the year of installation.**					
Pump Station Type	**Number of Pumps**	**Quantity**	**Item**	**U / M**	**Cost**
Dry Pit	2	1	Capital Cost	Each	$60,231.00
			Annual Maintenance Cost	Lump Sum	$823.00
Dry Pit	3	1	Capital Cost	Each	$62,617.00
			Annual Maintenance Cost	Lump Sum	$823.00
Dry Pit	4	1	Capital Cost	Each	$68,580.00
			Annual Maintenance Cost	Lump Sum	$823.00
Dry Pit	5	1	Capital Cost	Each	$70,966.00
			Annual Maintenance Cost	Lump Sum	$823.00
Dry Pit	6	1	Capital Cost	Each	$73,351.00
			Annual Maintenance Cost	Lump Sum	$823.00
Submersible	2	1	Capital Cost	Each	$22,188.00
			Annual Maintenance Cost	Lump Sum	$823.00
Submersible	3	1	Capital Cost	Each	$22,188.00
			Annual Maintenance Cost	Lump Sum	$823.00
Submersible	4	1	Capital Cost	Each	$56,653.00
			Annual Maintenance Cost	Lump Sum	$823.00
Submersible	5	1	Capital Cost	Each	$57,846.00
			Annual Maintenance Cost	Lump Sum	$823.00
Submersible	6	1	Capital Cost	Each	$59,039.00
			Annual Maintenance Cost	Lump Sum	$823.00

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FUTURE GROUP 2: FUTURE WATER STATIONS

FUTURE GROUP 2: Unit capital cost for future **water station** integration into the SCADA system and annual maintenance cost. Cost shall be for a SCADA system and associated equipment that is similar in scope and performance to that proposed in this bid proposal.

Prices will be escalated based on the Consumer Price Index with a cap of 3% to the year of installation.

Pump Station Type	Number of Pumps	Quantity	Item	U / M	Cost
In-Line Booster	2	1	Capital Cost	Each	$54,268.00
			Annual Maintenance Cost	Lump Sum	$823.00
In-Line Booster	3	1	Capital Cost	Each	$59,039.00
			Annual Maintenance Cost	Lump Sum	$823.00
In-Line Booster	4	1	Capital Cost	Each	$62,617.00
			Annual Maintenance Cost	Lump Sum	$823.00

FUTURE GROUP 3: FUTURE STORMWATER STATIONS

FUTURE GROUP 3: Unit capital cost for future **stormwater station** integration into the SCADA system and annual maintenance cost. Cost shall be for a SCADA system and associated equipment that is similar in scope and performance to that proposed in this bid proposal.

Prices will be escalated based on the Consumer Price Index with a cap of 3% to the year of installation.

Pump Station Type	Number of Pumps	Quantity	Item	U / M	Cost
Submersible	2	1	Capital Cost	Each	$44,312.00
			Annual Maintenance Cost	Lump Sum	$823.00
Submersible	3	1	Capital Cost	Each	$46,115.00
			Annual Maintenance Cost	Lump Sum	$823.00
Submersible	4	1	Capital Cost	Each	$52,479.00
			Annual Maintenance Cost	Lump Sum	$823.00
Submersible	5	1	Capital Cost	Each	$56,653.00
			Annual Maintenance Cost	Lump Sum	$823.00
Submersible	6	1	Capital Cost	Each	$59,039.00
			Annual Maintenance Cost	Lump Sum	$823.00

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FUTURE GROUP 4:
WATER, WASTEWATER AND STORMWATER SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) & PROGRAMMABLE LOGIC CONTROLLER (PLC) MAINTENANCE

Pending execution of option to extend.

Prices will be escalated based on the Consumer Price Index with a cap of 3% to the year of installation.

Item	Description	Quantity	U / M	Unit Cost	Total (Quantity x Unit Cost)
1	Annual Maintenance Year 6	1	Lump Sum	$80,543.00	$80,543.00
2	Annual Maintenance Year 7	1	Lump Sum	$80,543.00	$80,543.00
3	Annual Maintenance Year 8	1	Lump Sum	$80,543.00	$80,543.00
4	Annual Maintenance Year 9	1	Lump Sum	$80,543.00	$80,543.00
5	Annual Maintenance Year 10	1	Lump Sum	$80,543.00	$80,543.00
	MAINTENANCE SUBTOTAL (FUTURE GROUP 4 ITEMS 1-5)				**$402,715.00**

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