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ATTACHMENT J-1606000-01  
DEFINITIONS AND ACRONYMS

Definition/Acronym	Description
Applicable Regulatory Drivers	The Italian national, regional, and local laws and regulations, including but not limited to the Italian Legislative Decree no.31 of 2 February 2001 (D.Lgs.31/2001), as well as, when found not in conflict with them and more protective of the human health and environment, the applicable provisions of the Environmental Final Governing Standards for Italy (I-FGS), and of the additional documents listed in the References and Technical Documents in J-1606000-02, including any amendments to the foregoing.
Applicable Technical Standards	The European/Italian technical standards (i.e.: UNI/CEI standards, etc.) as well as any additional technical standards discussed in the Performance Work Statement (PWS).
ANSI	American National Standards Institute
AWWA	American Waterworks Association
CTO	Certificate to Operate
DoD FGS	Department of Defense Environmental Final Governing Standards
NFPA	National Fire Protection Association
NPDWR	National Primary Drinking Water Regulations
NSDWR	National Secondary Drinking Water Regulations
OEBGD	Overseas Environmental Baseline Guidance Document
OMSI	Operation And Maintenance Support Information
Potable Water (US and territories)	Water that is satisfactory for drinking and cooking.
UFC	Unified Facilities Criteria
USEPA	US Environmental Protection Agency
Water Fit for Human Consumption (Overseas)	Water that meets the primary drinking water standards as defined in FGS, OEBGD and CNICINST 5090.1.

ATTACHMENT J-1606000-02  
REFERENCES AND TECHNICAL DOCUMENTS

The Contractor shall adhere to the applicable portions of the following references and technical documents publications and directives in performing the services required under this contract. This list shall not be considered all-inclusive and does not release the Contractor from all obligations that must be fulfilled in the observance and execution of this contract.

When performing under this Contract, the Contractor shall comply with the requirements of all the applicable Italian national, regional, and local laws and regulations and, when non-conflicting and more protective of the environment as well as human health and safety, shall also comply with the applicable requirements of the U.S. Department of Defense Environmental Final Governing Standards for Italy (DoD I-FGS) and the additional regulatory drivers listed below.

<b>REFERENCE</b>	<b>TITLE</b>
Decreto 6 aprile 2004, n. 174	Regolamento concernente i materiali e gli oggetti che possono essere utilizzati negli impianti fissi di captazione, trattamento, adduzione, e distribuzione delle acque destinate al consumo umano. (GU Serie Generale n. 166 del 17/7/2004)
Final Governing Standards	Final Governing Standards (FGS) for Italy
UFC 3-440-02N	Water Conservation Operation and Maintenance
UFC 3-430-09	Exterior Mechanical Utility Distribution
UFC 3-230-02	Water Supply Systems
CNICINST 5090.1	U.S. Drinking Water Quality Standards for U.S. Navy Installations Overseas
CNICINST 5090.2	Overseas Drinking Water Operation and Operator Requirements
CNICINST 5090.3	Navy Overseas Drinking Water Program Ashore

ATTACHMENT J-1606000-03

WATER TREATMENT PLANT AND DISTRIBUTION SYSTEM DESCRIPTION AND INVENTORY

Acqua Latina feeds the Gaeta Old Mill Inn compound, by the municipality aqueduct. Old Mill Inn water treatment plant/repotabilization system has been installed in May 2016. Average Daily Demand (ADD) drinking water consumption estimated between 2.5 and 3 cubic meters per day.

UV sensors monitor the disinfection process continuously by measuring the UV-C intensity inside the UV chamber. System is equipped with electronic board modem GSM/GPRS complete with antenna and serial port for remote data report and cable connection to PC and it allows to set point alarm and transmits data via SMS. The modem GSM/GPRS is SIM card type (Sim card and phone operator contract will be provided by U.S. Navy). The monitoring system is equipment with controller and alarm relaying "SMS" Auto dialer.

Manufacturer's recommended preventative maintenance, regularly scheduled calibration and any necessary repairs to be performed by manufacturer's factory-trained service personnel. Use of manufacturer's service parts and reagents is required. Third-party parts and reagents are not approved for use.  
Recommended Spare Parts: Closure Gasket O-ring: PN 361-E; Appropriate Harmsco® Hurricane™ cartridge, style HC/170.

**FUNDING ACTIVITY: REGION**

<b>Gaeta - Old Mill Inn</b>				
<b>Bldg No.</b>	<b>Equipment Description</b>	<b>Manufacturer/Model</b>	<b>Technical Specification / Notes</b>	<b>Qty</b>
707 (Rec Field)	<b>Pressure Reducing Valve</b>			
	Pressure reducing Valve assembly	ZURN WILKINS 600XL/610XL	2 inch	1
	<b>Filters</b>			
	Filter Housings	HARMSCO HUR 1X170FL	1 cartridge	6
	Filter Cartridge	HARMSCO HC/170-50		2
	Filter Cartridge	HARMSCO HC/170-5		2
	Filter Cartridge	HARMSCO HC/170-LT2		2
	<b>Pressure Measurement</b>			
	Differential Pressure Transmitter	SITRANS P250		1
	<b>Magnetic Flow Meters</b>			
	Flow Sensor	MAG 5100 W	2 inch	2
	Transmitter	MAG 6000	2 inch	2
	<b>UV Reactors</b>			
	Vessels	SITA UV40 IT		2
	Lamps	HO LP Type 028124	40 mJ/cm <sup>2</sup> each	12
	<b>Dosing Station</b>			
	Chemical Tank	EMEC CNT PD 120	Polyethylene V=120 lt	1
	Mixer	EMEC MIXVN8-MON	EMEC DOSING STATION CNT 120	1
	Metering Pumps	EMEC AMS MF 1506		2
	Suction Lance	EMEC LASP4V		1
	<b>Motorized Valve</b>			
	Electric Quarter-Turn Actuator	HASELHOFER EQ40	2 inch	1
	Butterfly Valve	SIRCA S301	2 inch	1
<b>Tanks</b>				
Finished Water	ROTOTEC P7500	Polyethylene V=7800 lt	1	
Float Switch	MINIMATIC/C WRAS		3	

ATTACHMENT J-1606000-03

WATER TREATMENT PLANT AND DISTRIBUTION SYSTEM DESCRIPTION AND INVENTORY

Equipment Description	Manufacturer/Model	Technical Specification / Notes	Qty
<b>Pumping System</b>			
Distribution	GRUNDFOS Hydro Multi-E 2 CRNE3-10		3
Tank Recirculation	LOWARA 1SV04F003M		1
<b>Monitoring Station</b>			
Digital Controller	HACH SC200		3
Turbidimeter	HACH 1720E SC	Nephelometric	2
Chlorine Analyzer	HACH 9184 SC	Amperometric	1
pH and Temperature Analyzer	DPD1R1.99	Built-In NTC300 Temperature Sensor	1
Remote Unit Controller	LACROIX SOFREL S550		1
<b>UPS</b>			
Uninterruptible Power Supply	NILOX UPS SERVER 1400		1

**FUNDING ACTIVITY: REGION**

<b>Gaeta - Fleet Landing</b>				
Bldg No.	Equipment Description	Manufacturer/Model/Type	Technical Specification / Note	Qty
752/ 752A	Hot/Cold Water Supply/ Return Piping	Not Identified / Galvanized	3/4"	40 lm
	Valve System	Not Identified / Ball Valve	1/2"	19 ea.
			3/4"	3 ea.
			1 1/4"	4 ea.

ATTACHMENT J-1606000-04  
SAMPLE OF STANDARD OPERATING PROCEDURES (SOPs)

Refer to Word file “J-1606000-04 Sample of Standard Operating Procedures (SOPs)”.

ATTACHMENT J-1606000-05  
SAMPLE PLANT AND DISTRIBUTION SYSTEMS OPERATING RECORDS, LOGS AND RECORDS

Refer to Excel file "J-1606000-05 Sample of Records, Logs and Reports"