

**STATEMENT OF WORK
FOR
REPLACE TRANE CHILLER UNITS AT THE NAVY EXPERIMENTAL DIVE UNIT**

17 June 2016

1.0 SCOPE

The Naval Surface Warfare Center Panama City Division (NSWC PCD) has a requirement for replacement of two (2) chiller units located at the Navy Experimental Dive Unit, Panama City, Florida. Contractor support is required for the modernization, repair, and installation of the Alpha and Bravo Chamber heater /chiller units, the water lines, circulation pumps, expansion tanks, and drains, add chemicals, perform water treatments, insulate the system, and ensure watertight integrity for a pressurized system.

2.0 APPLICABLE DOCUMENTS

None

3.0 REQUIREMENTS

3.1 Chiller Replacement

The contractor shall remove, dispose and replace two (2) Trane chillers, pumps, and expansion tanks consisting of the following:

| Equipment | Qty | Manufacturer | Serial Number | New Chiller | Model Number |
|------------------|------------|---------------------|----------------------|--------------------|---------------------|
| Chiller A | 1 | Trane | R211JR5BH | Carrier | 30RAP0106K-08004 |
| Chiller B | 1 | Trane | R211JRYBH | Carrier | 30RAP0106K-08004 |

3.2 Support Services

The contractor shall provide certified, trained personnel with certifications on Microprocessor Industrial Chiller Repair, HVAC, Plumbing, Welding, and Electrical and others needed to integrate the new units with the current system. The Contractor shall be an authorized retailer of the new units and capable, certified to work with the current Trane units and supporting system.

The contractor shall install two (2) new Carrier heater /chiller units, the water lines, circulation pumps, expansion tanks, and drains, add chemicals, perform water treatments, insulate the system, and ensure watertight integrity for a pressurized system. Specifically the contractor shall perform the following.

3.2.1 The contractor shall provide labor and material to shut down the (2) existing Trane chillers, recover refrigerant from each, disconnect electrical and water piping from each.

3.2.2 The contractor shall provide labor and material to utilize crane to remove old equipment and dispose of offsite.

3.2.3 The contractor shall provide labor and material to set new Carrier chillers in same place as existing chillers and circulating pumps.

3.2.4 The contractor shall provide labor and material to pipe in chillers and circulation pumps to the new chiller and pump configuration.

3.2.5 The contractor shall provide labor and material to replace the (2) expansion tanks in each glycol solution circuit.

3.2.6 The contractor shall provide labor and material to start up equipment and monitor for proper operation.

3.2.7 The contractor shall provide labor and material to add propylene glycol to system and check to assure freeze point is below 27 degree.

4.0 ACCESS TO GOVERNMENT FACILITIES

The contractor will be provided access to NEDU facilities during normal business hours (Monday-Friday 0700 – 1600) excluding federal holidays. NEDU personnel shall be notified a minimum of five (5) working days in advance before arriving at NEDU facilities.

5.0 DELIVERIES

All data deliverables shall be submitted in accordance with the attached DD Form 1423.

6.0 PERIOD OF PERFORMANCE

The period of performance shall be from award of contract until forty (40) days after contract award.

7.0 SECURITY

This task is unclassified.

8.0 DISTRIBUTION LIMITATION STATEMENT

Not Applicable

9.0 RELEASE OF INFORMATION

Release of information shall be in accordance with Section I, DFARS Clause 252.204-7000, Disclosure of Information.