

ORDER FOR SUPPLIES OR SERVICES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 12/03/2009	2. CONTRACT NO. (If any) DTMA8C05004	6. SHIP TO: No Contacts Identified		
3. ORDER NO. CLS04S10006	4. REQUISITION/REFERENCE NO. PR SAR100187	a. NAME OF CONSIGNEE DOT/Maritime Administration, South Atlantic Region		
5. ISSUING OFFICE (Address correspondence to) DOT/Maritime Administration, Atlantic Division Acquisition Office of Acquisition, MRG-7200 7737 Hampton Boulevard, Building 19, Suite 300 Norfolk VA 23505		b. STREET ADDRESS CAPE WRATH		
		c. CITY	d. STATE	e. ZIP CODE

7. TO: a. NAME OF CONTRACTOR		f. SHIP VIA		
b. COMPANY NAME Crowley Technical Management, Inc.		8. TYPE OF ORDER		
c. STREET ADDRESS 9487 REGENCY SQ BLVD		<input type="checkbox"/> a. PURCHASE REFERENCE YOUR:	<input type="checkbox"/> b. DELIVERY - Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY JACKSONVILLE	e. STATE FL	f. ZIP CODE 32225-8126	Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	

9. ACCOUNTING AND APPROPRIATION DATA 2010 - - X4303 - RRF 931 - 40 - WRA0 - 0 - 0000 - 000000 - 70 - 106131 - 40 - WRA0 - 25432 - 6100 - 6600 -		10. REQUISITIONING OFFICE DOT/Maritime Administration, South Atlantic Region		
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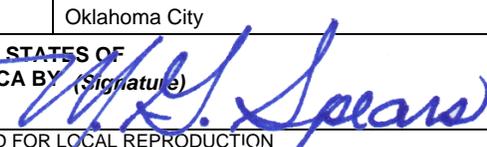
11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT	
<input type="checkbox"/> a. SMALL	<input checked="" type="checkbox"/> b. OTHER THAN SMALL	<input type="checkbox"/> c. DISADVANTAGED	<input type="checkbox"/> g. SERVICE-DISABLED VETERAN-OWNED	Destination	
<input type="checkbox"/> d. WOMEN-OWNED	<input type="checkbox"/> e. HUBZone	<input type="checkbox"/> f. EMERGING SMALL BUSINESS			

13. PLACE OF		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
a. INSPECTION	b. ACCEPTANCE			

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	SEE LINE ITEM DETAIL					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.		17(h) TOT. (Cont. pages)
	21. MAIL INVOICE TO: Gloria Fullerton				
	a. NAME DOT/ Enterprise Services Center (ESC) OFO/FAA, Oklahoma City				\$265,000.00
	b. STREET ADDRESS (or P.O. Box) MARAD A/P SAR Invoices Branch, AMZ-150 PO Box 25710,				
c. CITY Oklahoma City		d. STATE OK	e. ZIP CODE 73125		17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature) 	23. NAME (Typed) Milton G. Spears TITLE: CONTRACTING/ORDERING OFFICER
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**ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION**

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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 12/03/2009	CONTRACT NO. DTMA8C05004	ORDER NO. CLS04S10006
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ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>CLIN 0501AE - CAPE WRATH THIS IS A CONFIRMING ORDER. FY10 M&R REPAIRS-(Project CLS-WRA10-1005A)</p> <p>The purpose of this project is to accomplish MARAD approved specific work items on the ship's approved business plan as identified below. All completed work shall be in compliance with applicable standards as set forth in the Ship Manager contract at C.6.3, Compliance Documents, and subparagraphs thereto, at the time of acceptance.</p> <p>The Ship Manger is to accomplish the following WO/SRs: See attached Statement of Work.</p> <p align="center"> <i>Start Date</i> <i>End Date</i> 11/24/2009 12/31/2010 </p> <p>Reference Requisition: PRSAR100187</p>	1.00	JOB	265,000.000	265,000.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17i) ➡ \$265,000.00

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COMMERCIAL CLAUSES

1 STATEMENT OF WORK

WRATH
FY10 M&R REPAIRS

PROJECT NUMBER: CLS-WRA10-1005A

1. WORK ITEM SUMMARY

1. WO/SR 1102941 Replace Faulty Purifier Controls

- a. 5.1 Contractor to provide all labor, equipment and materials in order to install five (5) new EPC60 purifier controller kits to replace the existing controllers that are not parts supportable. Kits will include EPC-60 controller, RTD's, press swtches, water block, three-way valve and associated harware. Vendor shall modify existing mounting brackets to accept new controllers. Three way valves, power supplies and control mechanisms are all to be replaced at this time by the Contractor.
- b. 5.2 Following the completion of the installation, Contractor to supply services of factory trained service technician for initial startup of the units following modification. Any additional time required by the factory technician due to Contractor installation errors are to be to the account of the Contractor.
- c. 5.3 Following completion of acceptance testing by the OEM, Contractor is to prove functionality of the systems to the satisfaction of the vessel Chief Engineer.

2. WO/SR 4745153 Auxiliary Boiler Burner Management Repairs

- a. 5.1 Contractor to supply all labor, equipment and materials in order to replace the existing auxiliary boiler automation system with a modern, domestically supportable burner management automation system. New automation system to be approved by ABS for installation onboard the vessel. Contractor bid shall clearly indicate what manufacturer and model automation system to be installed. New burner management systems is to have the following characteristics as a minimum requirement:
 - b. 5.1.1 Burner management shall be microprocessor based to insure proper burner sequencing, ignition and flame monitoring.
 - c. 5.1.2 Alarm indications shall be through a PLC-based central control system which will feed directly to the currently installed IMAC 55 system. The following alarms are to be provided for at a minimum:
 - d. 5.1.2.1 Low Boiler Steam Pressure
 - e. 5.1.2.2 Low Low Water Level Trip
 - f. 5.1.2.3 Low Water Level Alarm
 - g. 5.1.2.4 High Water Level Alarm
 - h. 5.1.2.5 Low Combustion Air Flow Trip
 - i. 5.1.2.6 Flame Failure Trip
 - j. 5.1.2.7 Low Oil Pressure Trip
 - k. 5.1.3 Combustion controls shall be included which links fuel oil flow to the combustion air flow.
 - l. 5.1.4 Existing feedwater regulation system shall be upgraded to a single element level control.
- m. 5.2 Following completion of repairs, boiler and automation system are to be tested to the satisfaction of the vessel Chief Engineer and the CLS Port Engineer.
- n. 5.3 There will be a Contractor walkthrough

3. WO/SR 4745166 Install Soft Start SCR on Bow Thruster

- a. 5.1 Contractor to provide all labor, equipment and materials in order to install a soft-starter on the currently installed 450V 2100HP Bow Thruster for the vessel. Soft-start is required to insure adequate power is available for emergency thruster movements during maneuvering. Contractor is to perform the following work under this specification:
 - b. 5.1.1 Contractor to procure a soft-start for the existing Zaklady Mechaniczne Model BC25-15 thrusters. Thrusters are 450V, 2100HP units. All installed mechanical equipment on bow and stern thrusters are fully functional and do not need replacement. Contractor to establish what type of thruster is needed to reduce on-start loads and increase the reliability of the thrusters. Contractor to specify the manufacturer of the soft start as part of the bid submittal. Additionally, the Contractor shall clearly indicate in their proposal the anticipated amp draw for the motors following installation of the proposed soft-start for comparative purposes.
 - c. 5.1.2 Following procurement, Contractor to install the new soft-start unit on the Bow Thruster of the vessel. Soft Start to be installed in the area most convenient to the Contractor, but said location is to be agreed upon by the vessel Chief Engineer. Contractor to specify location of the soft start during the bid process.

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- d. 5.1.3 Following completion of installation, Contractor to test the new unit in the presence of the CLS Port Engineer, vessel Chief Engineer and a representative from the OEM of the Soft Start. OEM representative to be at the account of the Contractor.
- e. 5.2 Contractor shall include as part of his bid the manufacturer of the equipment to be installed together with product information to include functional description and drawing of final installation as part of the bid package.
- f. 5.3 There will be a Contractor walkthrough. All questions will be answered at that time.
- g. 5.4 Contractor is to remove all replaced equipment and properly dispose of all wastes and replaced parts, together with any spares in vessel inventory that are not compatible with the new system in accordance with local, State and Federal guidelines. The vessel Chief Engineer shall make all determinations as to any parts, spares or equipment that should be left on the vessel as usable.