

ORDER FOR SUPPLIES OR SERVICES

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

1. DATE OF ORDER 03/01/2010	2. CONTRACT NO. (If any) GS-23F-0342K	6. SHIP TO: J. Taddia		
3. ORDER NO. DTMA2F10005	4. REQUISITION/REFERENCE NO. PR SAR100303/0001	a. NAME OF CONSIGNEE T.S. ENTERPRISE		
5. ISSUING OFFICE (Address correspondence to) DOT/Maritime Administration, SAR Acquisition Office of Acquisition, MRG-7200 7737 Hampton Boulevard, Building 4D, Room 211 Norfolk VA 23505		b. STREET ADDRESS c/o Massachusetts Maritime Academy 101 Academy Drive		
		c. CITY Buzzards Bay	d. STATE MA	e. ZIP CODE 02532

7. TO: a. NAME OF CONTRACTOR Cynthia Tirrell-Norton	f. SHIP VIA
--	-------------

b. COMPANY NAME MARINE SYSTEMS CORPORATION		8. TYPE OF ORDER		
c. STREET ADDRESS 70 FARGO STREET		<input checked="" type="checkbox"/> a. PURCHASE	<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 BOSTON	e. STATE MA	f. ZIP CODE 02210-2122	REFERENCE YOUR: Quote dtd 02/25/2010 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 - - X1750 - SMR 120 - SM - P107 - 0 - 0000 - 160000 - - - - 25711 - 6100 - 6600 -	10. REQUISITIONING OFFICE
--	---------------------------

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input checked="" type="checkbox"/> a. SMALL <input type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input checked="" type="checkbox"/> g. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. EMERGING SMALL BUSINESS	12. F.O.B. POINT Destination
---	---------------------------------

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) 17(i) GRAND TOTAL
	21. MAIL INVOICE TO: Tammy Curnett				
	a. NAME DOT/ Enterprise Services Center (ESC) OFO/FAA, Oklahoma City				
	b. STREET ADDRESS (or P.O. Box) MARAD A/P Branch, AMZ-150 PO Box 25710				
	c. CITY Oklahoma City	d. STATE OK	e. ZIP CODE 73125		\$52,819.40

22. UNITED STATES OF AMERICA BY (Signature) <i>Monique P. Leake</i>	23. NAME (Typed) Monique Leake TITLE: CONTRACTING/ORDERING OFFICER
---	--

**ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION**

PAGE NO.
3 of 2

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

DATE OF ORDER 03/01/2010 GS-23F-0342K	CONTRACT NO. 0342K	ORDER NO. DTMA2F10005
--	-----------------------	--------------------------

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)				
0001	<p><i>DUNS #073807968</i></p> <p>T/S KENNEDY DESIGNS AND SPECIFICATIONS</p> <p>Perform all work in the attached Statement of Work using your pricing schedule, terms and conditions as set forth in GSA Federal Supply Schedule GS-23F-0342K.</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td><i>Start Date</i></td> <td><i>End Date</i></td> </tr> <tr> <td>03/01/2010</td> <td>03/24/2010</td> </tr> </table> <p>Reference Requisition: PRSAR100303</p> <p><i>In order for an invoice to be processed for payment, it must include your Federal ID Number, Purchase Order Number, and Invoice Number. Without these numbers, your invoice will be returned and payment will be delayed.</i></p>	<i>Start Date</i>	<i>End Date</i>	03/01/2010	03/24/2010	1.00	JOB	52,819.400	52,819.40	
<i>Start Date</i>	<i>End Date</i>									
03/01/2010	03/24/2010									

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17i) ➡ \$52,819.40

	Document No. DTMA2F10005	Document Title KDY DESIGNS	Page 4 of 5
--	------------------------------------	--------------------------------------	-------------

TABLE OF CONTENTS

COMMERCIAL CLAUSES	5
1 INVOICE SUBMISSION	5
2 STATEMENT OF WORK	5

	Document No. DTMA2F10005	Document Title KDY DESIGNS	Page 5 of 5
--	------------------------------------	--------------------------------------	-------------

COMMERCIAL CLAUSES

1 INVOICE SUBMISSION

INVOICE SUBMISSION - MARAD/SAR

The Contractor may submit invoices in either electronic or paper format. Electronic submission is preferred.

(1) Electronic invoices shall be addressed to MARADInvoices@faa.gov

Electronic invoices shall conform to the following criteria, or be subject to rejection:

- a. Invoice and supporting documentation shall be in Adobe Acrobat (pdf) format.
- b. The e-mail subject shall include the contract/purchase order number and invoice number. If this information is omitted from the invoice, then invoice will be returned and payment will be delayed.
- c. The transmitting e-mail shall include the following information: Name of the Contractor; Invoice date and number; Invoice amount; Contract number and, if applicable, the order or modification number; Terms of any discount for prompt payment offered; Payment instructions (i.e., financial institution, ABA routing #, account #)

(2) Paper invoices shall be submitted to one of the following addresses. Multiple copies are not required.

MARAD A/P SAR Invoices Branch
AMZ-150
PO Box 25710
Oklahoma City, OK 73125

If a street address is required for delivery (i.e., Federal Express), the following address may be used in lieu of the post office box:

MARAD A/P SAR Invoices Branch
AMZ-150
6500 S MacArthur Blvd.
Oklahoma City, OK 73169

2 STATEMENT OF WORK

PERFORMANCE WORK STATEMENT - PRSAR100303

TITLE: Develop Drawings and Specifications For Projects Aboard T.S. Kennedy

INTENT:

It is the intent of this Performance Work Statement (PWS) to provide USCG and ABS stamped approved, detailed drawings, and specifications (to include material lists), necessary for a contractor to perform the following 6 installations and/or modifications:

1. 480 Volt Battery Locker: Provide independent temperature control of the 480 volt battery locker. Also; replace the existing water sprinkler system in this room with a local CO2 smothering system.
2. 480 Volt Battery Charger Room: Provide cooling to the 480 volt battery charging room.
3. AMR Salt Water Cooling Pumps: Replacement of the 2 existing AMR saltwater cooling pumps with 2 government furnished pumps.
4. AMR Chiller Cooling Water Piping: Re-route salt water circulating system piping for the new house chillers such that the temperature/pressure control valve is on the outlet of the chiller vs its current configuration where the valve serves to by-pass the inlet cooling water.
5. Nirex Salt Water Piping: Modify the piping sizes and valve types on the Nirex salt water feed/cooling to conform to the manufacturer's installation requirements.
6. Emergency Diesel Generator Room: Review the existing ventilation system of this space for conformance to the regulatory requirements. Re-design a system which meets the regulatory requirements.

LOCATION:

101 Academy Drive, Buzzards Bay, MA 02532

PERFORMANCE PERIOD:

A ship check will be made on Feb 22, 2010. The Training Ship Kennedy will be returning to her home port of Buzzards Bay, MA on Feb 21, 2010. Access to the ship shall be from 0700 to 1700, Monday thru Friday exclusive of federal holidays

Bids shall be due on Feb 25, 2010. Award shall be made soon after. This PWS can begin immediately after award. Submission of all required drawings to USCG and ABS is required by March 23, 2010.

DESCRIPTION:

The contractor shall perform all design work, develop all specifications and drawings and obtain all ABS and USCG stamped-approvals required for the accomplishment of projects #1 thru 6 below. This work shall include all structural and arrangement drawings, ship's piping and electrical systems drawings, modifications to the ship's Fire Plan, and any other drawing or document required to be developed, modified and/or approved by the regulatory agencies as a result of these re-designs. If requested, the contractor shall be required to resubmit revised drawings and specifications to satisfy regulatory questions and comments.

1. 480 Volt Battery Locker: Review the existing ventilation system for this room with regard to regulatory conformance and design a new system which provides independent heating, cooling and ventilation to the 480 volt battery locker. Also; replace the existing water sprinkler system in this room with a local CO2 smothering system. This room currently approaches freezing levels in the winter and extremely hot temperatures in the summer.
2. 480 Volt Battery Charging Room: Presently, it is necessary to keep the door of this room open in order to keep the equipment within it from overheating. Review the existing ventilation system for this room with regard to regulatory conformance and design a new system to provide temperature controlled cooling and monitoring (with alarms) for the space.
3. AMR Salt Water Cooling Pumps: The existing 2 pumps are to be replaced with government furnished pumps utilizing a different foot print and piping configuration. Re-design the system to accomplish installation of the new pumps.
4. AMR Chiller Cooling Water Piping: The existing cooling water system for the chillers utilizes a flow control valve on the inlet which by-passes the cooling water not needed overboard causing the cooling water pumps to operate at maximum flow. Re-design the system to utilize a control valve which controls the flow on the outlet of the chiller thereby causing the pumps to only provide the flow that is needed. Incorporate a manually controlled by-pass valve around the flow control valve. In addition, if it is determined that the new cooling pump pressure is capable of exceeding the maximum allowable tube pressure of the condenser, provide for a by-passing pressure control valve.

5. Nirex Salt Water Piping: It is believed that the salt water piping into and out of the Nirex was not installed in accordance with the manufacturer's recommendation resulting in a lowering of the capacity of the unit. Review the manufacturer's recommendations and modify the piping sizes and valve types to conform to those recommendations. Install gate valves where butterfly valves currently exist.
6. Emergency Diesel Generator Room: It is believed that the ventilation system serving this space is not in conformance with regulatory requirements. Review the existing system for conformance and re-design a system which meets the regulatory requirements.

REFERENCES:

- 1) Technical manuals and ship's drawings for as built and existing installations. Available onboard vessel.
- 2) ABS Rules and Regulations, as applicable
- 3) US Coast Guard regulations, CFRs and NAVICs, as applicable
- 4) IEEE standards, as applicable
- 5) NFPA standards, as applicable
- 6) MARAD Baseline Specification Writing Guide
- 7) IMO rules and regulations, as applicable

GOVERNMENT PROVIDED MATERIALS:

All of the ship's drawings and manuals will be made available for referencing aboard ship. Removal of drawings and/or manuals for copying purposes may only be performed after receiving written approval from the ship's Chief Engineer.