

SOLICITATION / CONTRACT / ORDER FOR COMMERCIAL ITEMS
OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30

1. REQUISITION NUMBER
 PRWR0700033

2. CONTRACT NO. 3. AWARD/EFFECTIVE DATE 06/18/2007 4. ORDER NUMBER DTMA4P07055 5. SOLICITATION NUMBER 6. SOLICITATION ISSUE DATE

7. FOR SOLICITATION INFORMATION CALL: a. NAME b. TELEPHONE NUMBER (No collect calls) 8. OFFER DUE DATE/ LOCAL TIME

9. ISSUED BY CODE 00094
 DOT/Maritime Administration, WR Acquisition
 201 Mission Street, Suite 1800
 San Francisco, CA 94105-1905
 TEL: (415) 744-2924 ext.
 FAX: (415) 744-2576 ext.

10. THIS ACQUISITION IS
 UNRESTRICTED
 SET ASIDE: 0.00% FOR
 SMALL BUSINESS
 HUBZONE SMALL BUSINESS
 8(A)
 NAICS: 23821
 SIZE STANDARD: 50 or Less

11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED
 SEE SCHEDULE

12. DISCOUNT TERMS
 10 days %
 20 days %
 30 days %
 days %

13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)

13b. RATING

14. METHOD OF SOLICITATION
 RFQ IFB RFP

15. DELIVER TO CODE 00094
 TS STATE OF MICHIGAN
 Great Lakes Maritime Academy
 Traverse City, MI 49686
 Attn: David Sobolewski

16. ADMINISTERED BY CODE 00094
 DOT/Maritime Administration, Western Region
 201 Mission St Ste 1800
 San Francisco, CA 94105

17a. CONTRACTOR/OFFEROR CODE * FACILITY CODE
 GREAT LAKES POWER SERVICES INC
 564 S HURON RD
 LINWOOD, MI 48634-9416
 TELEPHONE NO.(810) 343-2185 ext.

18a. PAYMENT WILL BE MADE BY CODE
 DOT/ Enterprise Services Center (ESC) OFO/FAA, Oklahoma City
 MARAD A/P WR Invoices Branch, AMZ-150 PO Box 25710,
 Oklahoma City, OK 73125

17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER

18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED SEE ADDENDUM

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
(Use Reverse and/or Attach Additional Sheets as Necessary)					

25. ACCOUNTING AND APPROPRIATION DATA
 - 2007 - 70X - 1750000 - 1 - 20 - - SMR107 - 0 - - 00001600 - 00 - - 25431 - 6100 - 6600 -

26. TOTAL AWARD AMOUNT (For Govt. Use Only)
 \$ 4,999.00

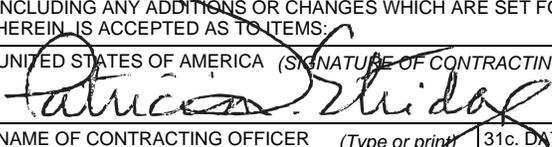
27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA ARE ARE NOT ATTACHED

27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA ARE ARE NOT ATTACHED

28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN _____ COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.

29. AWARD OF CONTRACT: REF. OFFER DTMA4Q07005 OFFER
 DATED 03/20/2007 YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN IS ACCEPTED AS TO ITEMS:

30a. SIGNATURE OF OFFEROR/CONTRACTOR

31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)


30b. NAME AND TITLE OF SIGNER (Type or print) 30c. DATE SIGNED 31b. NAME OF CONTRACTING OFFICER (Type or print) 31c. DATE SIGNED
 Patricia L. Etridge 06/21/2007

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT

32a. QUANTITY IN COLUMN 21 HAS BEEN

RECEIVED INSPECTED ACCEPTED, AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED: _____

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
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32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE
	32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE

33. SHIP NUMBER <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	37. CHECK NUMBER
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38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY
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41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT	42a. RECEIVED BY <i>(Print)</i>	
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	41c. DATE	42b. RECEIVED AT <i>(Location)</i>
		42c. DATE REC'D <i>(YY/MM/DD)</i>
		42d. TOTAL CONTAINERS

Line Item Summary	Document Number DTMA4P07055	Title SOM-07-013 ELECTRICAL MAINT	Page 3 of 7
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Total Funding: \$4,999.00

FYs	Fund	Budget Org	Sub	Object Class	Sub	Program	Cost Org	Sub	Proj/Job No.	Sub	Reporting Category
2007	70X	1750000	1	20		SMR107	0		00001600	00	

Division	Closed FYs	Cancelled Fund
25431	6100 6600	

Line Item Number	Description	Delivery Date (Start Date to End Date)	Quantity	Unit of Issue	Unit Price	Total Cost (Includes Discounts)
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SOM 07-013 ELECTRIC MAINTENANCE
 PRWR0700033
 DUNS # 109516620

0001	SOM 07-013 ELECTRIC MAINTENANCE	07/13/2007	1.00	JOB	\$4,999.000	\$ 4,999.00
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(07/09/2007 to 07/13/2007)

THE PURPOSE OF THIS PROJECT IS TO PROVIDE THE TECHNICAL SERVICES AS PER SOW ATTACHED

Estimated Start Date: 09 July 2007 or as mutually agreed upon with the Chief Engineer.

Ref Req No: PRWR0700033

Funding Information:

- 2007 - 70X - 1750000 - 1 - 20 - - SMR107 - 0 - - 00001600 - 00 - -
 25431 - 6100 - 6600 -
 \$4,999.00

Total Cost: \$4,999.00

VENDOR/COTR/CENGR/FINANCE

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SECTION C -- DESCRIPTIONS AND SPECIFICATIONS

C.1 STATEMENT OF WORK

1.0 ABSTRACT

- 1.1 This item describes the requirements for the Contractor to:
- Clean, inspect, and repair main and emergency electrical switchboards,
 - Clean 600/456 VAC Transformers, and
 - Calibrate electrical all meters on main and emergency switchboards.

2.0 REFERENCES:

- 2.1 Technical Manual No. T9311-AH-MMC-020 - Ship's Service And Emergency Switchboards, (Available On Board).
- 2.2 National Electric Code.

3.0 ITEM LOCATION/DESCRIPTION

3.1 Location/Quantity/Description

- 3.1.1 Two (2) Switchboards - General Electric (GE) AV-Line Switchboards:
- Engine Room Control Station:
 - Power Converter Sections,
 - Generator Control Sections,
 - SCR Section Control,
 - Step Down Transformer Sections, and
 - 120 VAC Sections
 - Emergency Diesel Generator Room: a) 450 VAC Section and b) 24 VDC Section
- 3.1.2 Three (3) Transformers - General Electric
- 1) Main Generator Room - Dry Type QL; Indoor Type QL-WP; Weatherproof with WP Kit; 60 Hertz; 3-Phase Class: AA; KVA - 500; Voltage - 600/456 Volts Line to Line
- 3.1.3 Sixty-one (61) Meters - General Electric
- Three (3) - RPM Meters,
 - Four (4) - Temperature Meters,
 - Thirteen (13) - AC Ampere Meters,
 - Ten (10) - AC Volt Meters,
 - Nine (9) - AC Kilowatt Meters,
 - Six (6) - Frequency Meters,
 - Four (1) - Synchroscope Meters,
 - Six (6) - DC Ampere Meters,
 - Three (3) - DC Volts Meters,
 - Two (2) - Power Factor Meters, and 11) Four (4) - KVAR Meters

4.0 NOTES

4.1 All power will be secured to the Transformers and Ship's Service and Emergency Switchboards prior to commencement of any work as required by this item. Proper safety procedures shall be followed to ensure that Ship's Service and Emergency Switchboards cannot be energized while work is in progress. Secure power only after coordinating the Chief Engineer.

4.2 At the end of each work day, the Contractor shall restore all electrical power in order to provide support for hotel services and ship's security.

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- 4.3 Assistance will be provided by GLMA Staff to the extent that's practicable.
- 4.4 The 400 Hertz Section of the main switchboard has been taken out of service and is not subject to this work order.

5.0 STATEMENT OF WORK REQUIRED

5.1 SWITCHBOARD CLEANING

- 5.1.1 The contractor shall provide adequate temporary lighting as required to ensure that the requirements of this work item are completed.
- 5.1.2 Install filter pads to the switchboard openings to prevent dust and debris from entering internals. Remove filters after completion of all requirements.
- 5.1.3 Upon completion of all work, the Contractor shall dispose of all debris generated as a result of this work and clean all surrounding areas to "as original" condition.
- 5.1.4 Using Reference 2.1, as guidance, open up all switchboard front and back panels and all panels on the transformers.
- 5.1.5 Remove all dust, dirt, and debris from the transformers and switchboard including electrical components, wiring, terminal mountings, frames, panels, racks, and enclosures by wiping, blowing with compressed air and using a vacuum cleaner.
- 5.1.6 Using an approved electrical cleaning solvent, wash down and clean all electrical components, removing all remaining carbon, oil, grease, and foreign matter. Blow dry with clean dry air.
- 5.1.7 Using torque table in Reference 2.1, as guidance, tighten all bus bars fasteners, lug connections, terminal screws, relays, trips and all contact points.
- 5.1.8 Upon completion of all work, replace equipment covers, close switchboard leaving in "Ready For Operation" condition.

5.2 SWITCHBOARD METER CALIBRATION

- 5.2.1 Contractor shall remove all meters from the main and emergency switchboards in accordance with the requirements of this work item.
- 5.2.2 All meters shall be inspected, repaired, and calibrated in accordance with the manufacturers' recommendations. Upon completion of all work, Contractor shall affix a calibration sticker on the face of each meter.
- 5.2.3 Contractor shall submit a preliminary "as found" condition report to the Chief Engineer denoting the overall condition of all meters listing any discrepancies and recommended corrective action, together with estimates.
- 5.2.4 Any meter deemed to be beyond economical repair shall be replaced via change order.
- 5.2.5 Upon completion of calibration, all meters shall be returned to the vessel and re- installed in their parent locations.

5.3 INSPECTION AND TESTING

- 5.3.1 Operationally test the main and emergency switchboard functions and systems to the satisfaction of the Chief Engineer prior to placing back in service.
- 5.3.2 All metering devices shall be subjected to an operational test to the satisfaction of the Chief Engineer.

6.0 GENERAL REQUIREMENTS

- 6.1 Provide a typewritten "as found" condition report to the Chief Engineer and MARAD denoting conditions found, recommended corrective action, and repair estimates.
- 6.2 Any work outside the scope of these requirements is subject to a change order and prior approval by MARAD.
- 6.3 Contractor shall ensure that all circuits are properly tagged out prior to commencement of all work.
- 6.4 Upon completion of all work, provide a complete service report to the Chief Engineer.
- 6.5 All deliverables to be FOB Traverse City, Michigan.
- 6.6 All pricing to be valid for 90 days.
- 6.7 Upon completion of all work and , as delineated by this work item, Chief Engineer to sign off on the completion report.

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- 6.8 MARAD reserves the right to cancel any or all item(s).
- 6.9 Estimated Start Date: 01 April 2007 or as mutually agreed upon with the Chief Engineer.

LOCATION: GREAT LAKES MARITIME ACADEMY
715 East Front Street
Traverse City, Michigan 49686-3061
Attn: Dave Sobolewski, Chief Engineer (231) 996-1204

MARAD POC: Al Lipski, (415) 744 2578