

# ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N00033-14-D-7509	2. DELIVERY ORDER/ CALL NO. 0014	3. DATE OF ORDER/ CALL (YYYYMMDD) 2014 Jul 03	4. REQ./ PURCH. REQUEST NO. N4044614RCN7201	5. PRIORITY
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6. ISSUED BY MILITARY SEALIFT COMMAND, SSU GUAM MSC, SSU GUAM PSC 455, BOX 198 APO AP 96540-2600	CODE N40446	7. ADMINISTERED BY (if other than 6)  <b>SEE ITEM 6</b>	CODE
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8. DELIVERY FOB  
 DESTINATION  
 OTHER  
 (See Schedule if other)

9. CONTRACTOR CABRAS MARINE CORPORATION NAME JOSEPH CRUZ AND 1026 CABRAS HIGHWAY, SUITE 114 ADDRESS PITI GU 96915-5610	CODE OM9K3	FACILITY	10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) <b>SEE SCHEDULE</b>	11. MARK IF BUSINESS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
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12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK  
See Item 15

14. SHIP TO  <b>SEE SCHEDULE</b>	CODE	15. PAYMENT WILL BE MADE BY	CODE	<b>MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.</b>
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16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein. REF:


ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

NAME OF CONTRACTOR	SIGNATURE	TYPED NAME AND TITLE	DATE SIGNED (YYYYMMDD)
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If this box is marked, supplier must sign Acceptance and return the following number of copies:

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE  
**See Schedule**

18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES	20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
<b>SEE SCHEDULE</b>					

* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.	24. UNITED STATES OF AMERICA TEL: (b) (6) EMAIL: (b) (6) BY: ACHILLE BROENNIMANN	 CONTRACTING / ORDERING OFFICER	25. TOTAL \$1,274,189.88	26. DIFFERENCES
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27a. QUANTITY IN COLUMN 20 HAS BEEN  
 INSPECTED  RECEIVED  ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	c. DATE (YYYYMMDD)	d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
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e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
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f. TELEPHONE NUMBER	g. E-MAIL ADDRESS	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY
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36. I certify this account is correct and proper for payment.		31. PAYMENT	33. AMOUNT VERIFIED CORRECT FOR
a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. CHECK NUMBER
			35. BILL OF LADING NO.

## Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003		1	Lot	\$1,274,189.88	\$1,274,189.88
	USS FRANK CABLE PIER AND SHIP SERVICES				
	FFP				
	Funding in the firm-fixed price amount of \$1,274,189.88 is provided to complete the work as outlined in the statement of work FY14-101 Pier and Ship Services USS Frank Cable.				
	FOB: Destination				
	PURCHASE REQUEST NUMBER: N4044614RCN7201				
				NET AMT	\$1,274,189.88
	ACRN AA				\$1,274,189.88
	CIN: N4044614RCN72010001				

## Section C - Descriptions and Specifications

FY14-101USS FRANK CABLE  
(AS 40)

GENERAL SERVICES

N00033-14-7509-0010

SOR NO. FY14-101

18 June 2014

PIER AND SHIP SERVICES REQUIREMENT

MSC/PM4CM3/RES

1.0 ABSTRACT

- 1.1 This work item describes the requirement to provide pier space and general services to the ship for duration 45 day maintenance period due to the requirement to support Port and Starboard Crane assessment and offloading and the Voyage Repair period.

## 2.0 REFERENCE/ENCLOSURES:

- 2.1 USS Frank Cable Shore Services Connection Layout Diagrams.

## 3.0 ITEM LOCATION/DESCRIPTION/QUANTITY:

- 3.1 Location/Description per Reference 2.1 for all shore services except fire main.

## 4.0 GOVERNMENT FURNISHED EQUIPMENT/MATERIAL/SERVICES: NONE

## 5.0 NOTES: NONE

## 6.0 QUALITY ASSURANCE REQUIREMENTS: NONE ADDITIONAL

7.0 STATEMENT OF WORK REQUIRED

- 7.1 Furnish the services specified in this work item, from the date of the ships arrival at the Contractor's facility on or about 18 July 2014 until the date of final departure from the Contractor's facility which is on 31 August 2014:

### 7.1.1 Electrical Shore Power

- A. **The Contractor shall provide a reliable and stable source of electrical power at a minimum capacity of 4,000 Amps, 450V +/- 5%, 60 Hz +/- 3%.** Shore power substations or portable generators that are used shall be enclosed in a vault or designed to be weather-proof. Substations or portable generators that are used shall have a primary isolation switch. Substations or portable generators secondary shall be a three phase ungrounded system and shall have 400 amp circuit breakers for each shore power connection. Line to line voltage at the ship's service switchboard shall be maintained at 450V +/- 5%, 60 Hz +/- 3%. **Line voltage imbalance shall not exceed 2%.**
- B. **Ten (10) 400 amp shore power cables shall be furnished by the contractor,** to connect the pier side substation secondary to the ship's shore power connection. All electric cables utilized shall be in good material condition, free of tears, cracks or poorly repaired insulation. Cables shall be sized such that the voltage drop between the substation secondary and the ship's shore power connection does not exceed 4% at full load. All three phases shall be carried in each cable. All conductors of each cable shall be of equal cross-sectional area. Cable lengths shall be of equal length +/- 10% of the average length. Cables shall be routed such that there is sufficient slack to allow for natural movement of the ship with tide and weather, but length shall not be excessive such that the cables be allowed to fall into the water or become trapped between the ship's hull and the pier. Cables shall avoid sharp edges and tight bends, and proper strain relief shall be provided for vertical runs. Cables shall be protected from pedestrian and vehicular traffic. In line connectors and splices shall be properly insulated, sealed and elevated such that they will not be exposed to standing water. Subsequent to installation, but prior to energizing, resistance tests (500V, 1 mega ohm minimum corrected to 70 degrees F) shall be performed between conductors, and between each conductor and ground for all cables. Each cable shall be checked for proper phase rotation.
- C. The Contractor shall provide 24/7 supervision of the shore power substations or portable generators whichever is used to provide the Ship with shore power.

- D. The Contractor is responsible for providing all necessary fuel, oil, water, etc. required to continuously operate the power generation equipment throughout the Ship's repair period.
- E. Ship shall be bonded to the pier whenever shore power connection is energized to ensure proper operation of ship's ground detection equipment. Contractor shall be responsible to connect and disconnect as required upon ship arrival, in-yard shifts, dock and sea trial events, and for ship's departure. Contractor shall perform walkthrough with the MSCREP and the vessel's Chief Engineer upon arrival to lay out an approved shore power cable routing.
- F. Electrical Shore Power Pricing: Provide a calibrated in-line electrical power meter with which to measure the vessel's shore power consumption. The meter shall only reflect power usage by the ship. The meter shall be installed in the immediate vicinity of the ship's shore power receiving station(s) and shall be readily accessible to the MSCREP and the vessel's Chief Engineer. An initial meter reading shall be witnessed by the MSCREP and the Chief Engineer. Meter readings shall be recorded and presented to the MSCREP on a weekly basis. At the end of the availability, the final meter reading shall be recorded and witnessed by the MSCREP and the Chief Engineer. A report shall be prepared and submitted with total calculated electrical power consumption. The Government will only pay for actual electrical power consumed. The contractor shall provide a bid price based on an estimated electrical power consumption of **1,000,000 kWh (kilowatt hour)**. In addition, contractor shall bid a unit price per kWh for adjustments to the award price for lesser or greater total consumption. Any required adjustments shall be made via a contract modification.

### 7.1.2 Shore Steam

- A. **Provide uninterrupted 145 psig (10 Bar) steam at a maximum capacity of 6000 lbs/hr (2,727 kg/hr).**
1. Provide a donkey boiler and all required power and boiler water required to provide continuous hotel steam to the USS Frank Cable for the entire contract performance period.
  2. **Provide and connect two (2) new Contractor furnished 2 inch diameter shore steam hoses rated a 145 PSIG of**

**sufficient length to reach from the Contractor's donkey boiler on the pier to the Ship's two (2) shore steam connections, one forward and one aft on the ship.** Furnish, connect and disconnect all valves, fittings, and hoses required. Each shore steam connection shall be fitted with a steam strainer. Connect and disconnect shore steam as required upon ship arrival, at each in-yard shift, for tests and trials, and for ship's departure.

### **7.1.3 Potable Water**

- A. Provide potable water, **60 psig (4 Bar) at minimum 100 GPM (378 Liters/Minute) and connected by two Contractor furnished shore Potable Water hoses to two (2) ship's shore connections.** Provide and install all valves, **backflow preventers**, fittings and hoses required to connect to the ship's shore potable water connection. **All equipment and installations used shall meet United States Public Health Service or equivalent international public health service standards for drinking water intended for human consumption.** Connect and disconnect potable water as required upon ship arrival, at each in-yard shift, for tests and trials and for ship's departure.
- B. **Potable Water Pricing:** Provide a calibrated in-line water meter with which to measure the vessel's shore potable water consumption. The meter shall be installed in the immediate vicinity of the ship's shore potable water receiving station(s) and shall be readily accessible to the MSCREP and the vessel's Chief Engineer. An initial meter reading shall be witnessed by the MSCREP and the Chief Engineer. Meter readings shall be recorded and presented to the MSCREP on a weekly basis. At the end of the availability, the final meter reading shall be recorded and witnessed by the MSCREP and the Chief Engineer. A report shall be prepared and submitted with total calculated potable water consumption. The Government will only pay for actual potable water consumed. The contractor shall provide a bid price based on an estimated potable water consumption of **1.35 million gallons (50 gallons/day x 600 crew x 45 days)**. In addition, contractor shall bid a **unit price per gallon (price per liter)** for adjustments to the award price for lesser or greater total consumption. Any required adjustments shall be made via a contract modification.

### **7.1.4 Sewage and Gray Water Disposal**

- A. **Provide all pumping arrangements, hoses, connections and shore-side disposal facilities necessary to remove and dispose of sewage and gray water from the ship for the duration of the performance period,** in accordance with all federal, state and local requirements. Ensure all equipment is in good material condition and that all connections are 100% leak-free. Connect and disconnect sewage and gray water lines as required upon ship arrival, at each in-yard shift, for tests and trials and for vessel departure.
- B. Approximately **7,000 gallons per day** of sewage effluent are expected to be generated per day.

#### **7.1.5 Debris and Garbage Removal**

- A. **THE CONTRACTOR SHALL COLLECT, REMOVE FROM THE SHIP AND DISPOSE OF ALL GARBAGE THAT HAS BEEN GENERATED BY THE SHIP'S CREW AND SHIPYARD PERSONNEL FOUR TIMES / WEEK FOR THE DURATION OF THE AVAILABILITY.** The contractor shall provide a minimum of three large metal containers at appropriate locations for garbage deposit. Minimum 3/4" thick plywood deck protection shall be placed under all garbage containers. Garbage containers shall be maintained in a sanitary condition, free of insects and rodents.

#### **7.1.6 Toilet and Sanitary Facilities**

- A. **Shipyard personnel shall not use shipboard toilet and sanitary facilities.** The contractor shall provide and install signs to this effect. In cases where the ship's sanitary system is not active, the contractor is to provide and maintain a minimum of three (3) portable toilet and sanitary facilities for the shipboard personnel aboard the vessel in locations designated by the ship's Master. One portable toilet shall be designated for Female use only. The contractor shall also provide daily janitorial services to maintain cleanliness and toilet supplies. Any contamination of the shipboard facilities by the contractor shall be cleaned and restored at the contractor's expense.

#### **7.1.7 Oil Containment Boom**

- A. Upon arrival of the vessel at the contractor's facility the contractor shall rig an oil boom to completely encircle the vessel. Maintain

the boom in good material condition throughout the entire availability at the lay berth. Connect and disconnect oil booms as required upon ship arrival, at each in-yard shift, for tests and trials and for vessel departure.

### **7.1.8 Gangways**

- A. **Provide, install and maintain one (1) safe and proper gangway for access to the ship for emergency use only. Mid Ship Accommodation ladder shall be used for ship's access during this period.** Gangway location shall be designated by the ship's OIC.
- B. Gangways shall meet the requirements of OSHA Standard 1915.74, Access to Vessels or applicable international occupational safety and standards. Gangways shall be a minimum of 20 inches wide. Gangways shall be adequately secured against shifting, shall be illuminated and shall be properly trimmed.
- C. Each side of the gangway, and turntable if used, shall have a railing with a minimum height of 33 inches, and shall be fit with a mid-rail. Rails shall be wood, pipe, chain, wire or rope and shall be kept taut at all times. The gangway shall be properly trimmed at all times.
- D. Obstructions shall not be laid on or across the gangway. Means of access shall be adequately illuminated for its full length. Safety nets shall be provided and secured to the ship and to the pier edge to provide adequate coverage. The net shall extend 6 feet on all sides of the gangway.
- E. The emergency use gangway shall have signs posted at each end indicating its use for emergencies only.

### **7.1.9 Telephone and Internet Services.**

7.1.9.1 One (1) telephone at the Gangway Watch Station with unlimited local phone service only.

7.1.9.2 Provide **(36)** direct phone lines connected to the ship's shore telephone connection box with unlimited local and nationwide long distance phone service (CONUS SY locations) and international calling capability (OCONUS SY locations).



7.1.9.3 Shipboard High Speed Internet Connection: Provide a high speed internet connection to the ship, with adequate capacity to support a minimum of 25 users onboard.

7.1.9.4 Provide a T-1 Connection to provide dedicated internet line for the ship's SIPR/NIPR connections.

7.1.10 **Oily Water Disposal.**

7.1.10.1 Contractor shall receive and dispose approximately 2500 gallons per day of oily water/bilge water throughout the entire period of performance. For bidding purposes, estimate a total of 112,500 gallons of oily water/bilge water.

7.2 **Compartment Access and Security**

7.2.1 The contractor shall permit free movement of properly identified employees and materials of the government to all points of the ship at all times during the contract period. The contractor shall also permit free movement of properly identified government employees and subcontractors through the yard and to the ship. The contractor shall allow private contractors, hired by the government to perform certain installation work aboard the ship. The Contractor shall grant passage through his facility to the ship to all properly identified technicians or other workmen hired by the government. A driver's license or similar ID and a copy of a government work order or purchase order shall constitute proper identification.

7.2.2 Contractor and subcontractor personnel shall not be permitted to eat in the ship's mess. Ship's mess decks are off limits to contractor and subcontractor personnel.

7.2.3 Contractor and subcontractor personnel shall not use the ship's 1MC or telephone systems. The contractor shall provide a separate, independent means of communications for contractor and subcontractor personnel.

7.2.4 The contractor shall take appropriate measures to ensure that all contractor and subcontractor personnel comply with all posted notices onboard.

### **7.3 Care of the Ship**

- 7.3.1 **Provide a safe berth for the vessel at a pier where the ship will be afloat with a minimum of three (3) feet of water under the keel/lowest projection at all times and during all tides, as specified in work item 003 of this work package.** The ship shall be securely moored to the pier with the contractor's mooring lines, sufficient camels and/or fenders between the ship and pier to prevent any structural and coating system damage. Mooring facilities and locations of protective camels and/or fenders shall be presented for MSCREP approval prior to vessel's arrival at the contractor's facility.
- 7.3.2 All paint and flammable liquids that are temporarily stored on board the ship by the contractor shall be stored in a suitable container designed in accordance with international, federal, state, and local regulations for flammable liquid storage.
- 7.3.3 Rigid control of welding and grounding shall be maintained for the protection of the hull, stern tubes, and hull appendages. Care shall be taken to ensure that welding polarity and ground connections of welding machines used aboard the ship or other ships in the immediate vicinity, on the pier, or on the wharf to which the ship is moored, shall not damage any part of the ship.

### **7.4 External Vessel Contamination Protection**

- 7.4.1 Prevent contamination of ship's ladder ways, decks, deck coverings, equipment, materials, furnishings, and spaces at all times throughout the performance period of this contract. This shall include, but not be limited to operations during abrasive and/or hydro blasting, vacuum blasting, scaling, surface cleaning, sanding, painting, welding, grinding, pumping/transferring of water/oils/liquids, and any other source of contamination by work accomplished in this specification package. The Contractor shall be responsible for protecting against contamination from neighboring and/or adjacent facilities and/or other work projects within contractor facility, that are capable of emitting contaminants onto any/all areas of the vessel. Accomplish below specified requirements as found required in support of this work specification package and as found required to protect vessel from outside sources of contamination:

## 7.5 **Parking adjacent to the ship:**

### 7.5.1 **Provide twenty (20) parking spaces for ship's officers and official guests.**

All parking spaces shall be adjacent to the ship and properly marked as "USS FRANK CABLE OFFICER'S PARKING ONLY."

### 7.5.2 **Provide five (5) parking spaces adjacent to the ship for the Principal Port Engineer, Assistant Port Engineer & Govt Tech Reps** with signage for "USS FRANK CABLE Principal Port Engineer", "USS Frank Cable Assistant Port Engineer" and three signs for "Govt Tech Reps".

### 7.5.3 **Contractor shall provide designated fourteen (14) designated parking** with signage for "FCB CO", "FCB XO", "FCB CHENG", "FCB OIC", "FCB RO", "FCB PMA", "FCB SUPPO", "FCB SUPPLY OFFICER", "FCB MEDICAL DEPT HD", "FCB SAFETY OFF", "FCB CARGO MATE", "FCB FIRST A/E", "FCB NAVIGATOR", "FCB OPS OFF", and "Government Vehicle Only" five (5) each.

## 7.6 **Crane, Forklift and Transportation Services (CAT "B" ITEM)**

### 7.6.2 **PROVIDE SHIP'S FORCE WITH 4 HOURS A DAY 6 DAYS a week dedicated crane, rigging, forklift and transportation services (Monday through Saturday) at the request of the MSCREP.** Estimate to be inclusive of all associated manhours to support these lifts, to accomplish vessel garbage offload and material and supplies movement. These lifts shall be in addition to any crane service required by other items in this work package. Crane Services shall be activated under the change order as needed.

### 7.6.3 Contractor shall establish a chit system to track usage of these lifts. For each crane lift, a usage chit shall be prepared documenting the lift event. The chit shall be signed by the MSCREP. Contractor shall maintain a running log of lifts used, and shall provide a weekly summary to the MSCREP.

## 7.7 **Delivery and Redelivery of the Ship.**

## 7.8 DELIVERY

7.8.2 The Government shall deliver the ship to the Contractor at a transfer point in the navigable channel as close as possible to the Contractor's facility as agreed upon by the MSCREP and the Contractor. The Contractor shall accept custody of the ship upon delivery and assume total responsibility for its safety, security, and protection. The contractor shall furnish tugs, pilots, equipment, mooring lines, line handlers, safe berth, etc. to accept delivery of the vessel.

## **7.9 REDELIVERY**

7.9.2 Upon completion of successful repair of the crane and any additional maintenance needed onboard the ship, the Contractor shall provide all line handlers, tugs and pilots to redeliver the ship to the government at a transfer point in the navigable channel in the vicinity of the Contractor's facility, as agreed upon by the MSCREP and the Contractor.

8.0 GENERAL REQUIREMENTS: NONE ADDITIONAL

## **8 GENERAL REQUIREMENTS:**

- 8.1 Vessel: USS FRANK CABLE (AS 40)
- 8.2 Location: November Pier, Naval Base Guam
- 8.3 Period of Performance: 18 July 2014 to 31 August 2014

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97 X 4930 ND2A 000 40446 0 000033 2F0000000000000000

AMOUNT: \$1,274,189.88

CIN N4044614RCN72010001: \$1,274,189.88