

**PROJECT DESCRIPTION :                    2023 ANNUAL AND QUARTERLY MAINTENANCE SERVICE FOR SEVENTEEN (17) HIARNG CRANE EQUIPMENT**

**SCOPE OF WORK/SPECIFICATIONS (SOW/SPECS):**

**GENERAL:**

**Supply all necessary materials and labor, use of tools and equipment to implement, in good and acceptable workmanship, the periodic (quarterly and annually) maintenance services to the installed Overhead Crane equipment of various HIARNG Facilities located in Oahu, Hilo, and Maui, based on Crane Equipment List and Locations, Contractor's Supplied-Materials List, and on the Scope of Work/Specifications (SOW/Specs) detailed herein but not limited to the following:**

**I) FIRST (1<sup>st</sup>) MONTH FULL MAINTENANCE SERVICE:**

- 1.) Furnish labor and materials to conduct Overhead Crane Load Test/Certification for all facilities listed on SOW.
- 2.) Change all oils, lubricants, and filters. Dispose of all old oils, lubricants, and filters. Check all levels.
- 3.) Inspect the sheaves, drums, wheels, and bearings for general conditions and lubrication.
- 4.) Inspect the wire rope for any signs of kinking, crushing, cutting, bird caging, corrosion, reduced diameter or any other unusual wear. Also check the rope for proper reeving, lubrication, and end connections.
- 5.) Visually inspect the load block and hook for excessive wear such as bending, twisting, cracks, grooves, or increased throat opening.
- 6.) Inspect the external parts of the hoists, trolley, frameworks, catwalks, handrails, etc., for broken parts, misalignments, broken welds, excessive wear, or any unusual conditions.
- 7.) Check entire unit for smoothness of operation and proper identifications.
- 8.) Open control boxes and check all contactors, relays, timers, etc., for proper operations, loose/broken connections, fitting.
- 9.) Inspect safety devices, i.e. limit switches, etc., for proper operation.
- 10.) Inspect external motors, couplings and wiring for wear and deterioration.
- 11.) Inspect all supporting runways for general condition and properly installed safety equipment such as end stops, rail bolts/clips, anti-collision devices, etc.
- 12.) Check load brake for proper operations, (if applicable).
- 13.) Inspect motor brake for proper operations or adjustments.
- 14.) Inspect main power system for collector shoe conditions, festoon conditions, etc. for signs of arcing or wear and tear.
- 15.) Certification decal from the contractor shall be place on all Cranes serviced.

## **II) QUARTERLY MAINTENANCE SERVICE (TO BE PERFORMED ON THE 4<sup>TH</sup>, 7<sup>TH</sup>, 10<sup>TH</sup> MONTH)**

- 1.) Inspect all equipment oil/lube reservoir levels and leaks.
- 2.) Inspect the sheaves, drums, wheels, and bearings for general conditions and lubrication.
- 3.) Inspect the wire rope for any signs of kinking, crushing, cutting, bird caging, corrosion, reduced diameter or any other unusual wear and tear. Also, check the rope for proper reeving, lubrication, and end connections.
- 4.) Visually inspect the load block and hook for excessive wear such as bending, twisting, cracks, grooves, or increased throat opening.
- 5.) Inspect the external parts of the hoists, trolley, frameworks, catwalks, handrails, etc., for broken parts, misalignments, broken welds, excessive wear and tear, or any unusual conditions.
- 6.) Check entire unit for smoothness of operation and proper identifications.
- 7.) Open control boxes and check all contactors, relays, timers, etc., for proper operations, loose/broken connections, and pitting.
- 8.) Inspect safety devices, i.e. limit switches, etc., for proper operation.
- 9.) Inspect external motors, couplings and wiring for wear and deterioration.
- 10.) Inspect all supporting runways for general condition and properly installed safety equipment such as end stops, rail bolts/clips, anti-collision devices, etc.
- 11.) Check load brake for proper operations, (if applicable).
- 12.) Inspect motor brake for proper operations or adjustments.
- 13.) Inspect main power system for collector shoe conditions, festoon conditions, etc. for signs of arcing or wear and tear.
- 14.) Certification decal from the contractor shall be placed on all Cranes serviced.

**NOTE: The Contractor shall pay for any damages on the equipment, building, facilities, and on the improved grounds as the result of negligence on safety and care, during the performance of the maintenance service. The Contractor shall provide a detailed inspection report after each service.**

### **CONTRACTOR SUPPLIED MATERIALS LIST:**

The Contractor shall supply, as part of Bid Price, the costs of the following materials and consumables:

- 1) All types of appropriate lubricants and replacement filters;
- 2) All cleaning materials.

**OVERHEAD CRANE LIST AND LOCATIONS:**

**1. Bldg. 643 F (Hilo)**

**Crane Manufacturer: STAR & COMPANY Crane Type: DGTR Crane  
Serial Number: N/A  
Capacity: 15 Ton Hoist Manufacturer: YALE  
Model Number: N/A  
Serial Number: 09J20K28  
KMR AFRC  
1304 Kekuaanaoa Street B643F  
Hilo HI 96720**

**2. CSMS #2 (Hilo)**

**Crane Type: MONORAIL  
Capacity: 1 Ton  
Hoist Manufacturer: P&H  
Model Number: S-505-1000-2  
Serial Number: C02240  
KMR CSMS#2  
1304 Kekuaanaoa Street B628  
Hilo HI 96720**

**3. East Hangar, AASF #2 (Hilo)**

**Crane Manufacturer: WALTER DANKIS  
Crane Type: SGUH  
Crane Serial Number: 8105  
Capacity: 4 Ton  
Hoist Manufacturer: DETROIT  
Model Number: M10XL  
Serial Number: 2949  
1095 Kekuaanaoa ST  
Hilo, HI 96720**

**4. Hangar, AASF #2 (Hilo)**

**Crane Manufacturer: RICHARD-WILCOX  
Crane Type: SGUH  
Crane Serial Number: 112-98-9688  
Capacity: 3 Ton  
Hoist Manufacturer: R&M  
Model Number: DC321  
Serial Number: A9800927  
1095 Kekuaanaoa ST  
Hilo, HI 96720**

**5. FMS 3, Puunene Armory**

**Crane Manufacturer: CRANEVEYOR  
Crane Type: DGTR  
Crane Serial Number: N/A  
Capacity: 5 Ton  
Hoist Manufacturer: SHAW-BOX  
Hoist Model Number: 72D0518D13  
Hoist Serial Number: 03J27742  
2701 Mokulele HWY  
Kihei, HI 96753**

**6. AASF No. 1, Bldg. 829 (Wheeler AAF)**

**Crane Manufacturer: R&M  
Crane Type: SGUH  
Crane Serial Number: Unknown  
Capacity: 3 Ton  
Hoist Manufacturer: R&M  
Hoist Model Number: F2M  
Hoist Serial Number: 32951DG1  
1935 Santos Dumont AVE  
Wheeler, HI 96857**

**7. AASF No. 1, Bldg. 829 (Wheeler AAF)**

**Crane Manufacturer: R&M  
Crane Type: MONORAIL  
Capacity: 1000 LBS.  
Hoist Manufacturer: R&M  
Hoist Model Number: S1-1/2-24M30T  
Hoist Serial Number: 1491070H1  
1935 Santos Dumont AVE  
Wheeler, HI 96857**

**8. UTES Bldg. 21 (Waiawa, Pearl City)**

**Crane Manufacturer: CRANEVEYOR  
Crane Type: SGUH  
Crane Serial Number: 47117  
Capacity: 5 Ton  
Hoist Manufacturer: YALE  
Hoist Model Number: XC5G16S10/3  
Hoist Serial Number: AX220015  
96-1210 Waihona ST  
Pearl City, HI 96782**

**9. RTSM Building (Waiawa, Pearl City)**

**Crane Manufacturer: OMNI  
Crane Type: DGTR  
Crane Serial Number: 9229  
Capacity: 25 Ton  
Hoist Manufacturer: SHAW BOX  
Hoist Model Number: 73D25024S102001  
Hoist Serial Number: 1481158  
96-1210 Waihona ST  
Pearl City, HI 96782**

**10. CSMS Bldg.117 Low Bay (Enterprise Avenue, Kalaeloa, Kapolei)**

**Crane Manufacturer: PACIFIC CRANE AND HOIST  
Crane Serial Number: 12P368-03  
Capacity: 8,000 LBS  
91-1227 Enterprise AVE  
Kapolei, HI 96707**

**11. CSMS Bldg. 117 B Work Bay (Enterprise Avenue, Kalaeloa, Kapolei)**

**Crane Manufacturer: PACIFIC CRANE AND HOIST  
Crane Serial Number: 12P368-01  
Capacity: 50,000 LBS  
91-1227 Enterprise AVE  
Kapolei, HI 96707**

**12. CSMS Bldg. 117 B Work Bay (Enterprise Avenue, Kalaeloa, Kapolei)**

**Crane Manufacturer: PACIFIC CRANE AND HOIST  
Crane Serial Number: 12P368-02  
Capacity: 6,000 LBS  
91-1227 Enterprise AVE  
Kapolei, HI 96707**

**13. CSMS Bldg. 117B Room E124 DYNO Room (Enterprise Ave., Kalaeloa)**

**Crane Manufacturer: PACIFIC CRANE AND HOIST  
Crane Serial Number: 12P368-05  
Capacity: 4,000 LBS  
91-1227 Enterprise AVE  
Kapolei, HI 96707**

**14. CSMS Bldg. 117B Room L120 Sewing Room (Enterprise Ave., Kalaeloa)**

**Crane Manufacturer: PACIFIC CRANE AND HOIST  
Crane Serial Number: 12P368-04  
Capacity: 8,000 LBS  
91-1227 Enterprise AVE  
Kapolei, HI 96707**

**15. AASF Bldg. 30 (Saratoga Ave., Kalaeloa)**  
**Crane Manufacturer: PACIFIC CRANE AND HOIST**  
**Crane Serial Number: 15X548-01**  
**Capacity: 5 Ton**  
**91-1391 Saratoga Ave., Kalaeloa**  
**Kapolei, HI 96707**

**16. AASF Bldg. 30 (Saratoga Ave., Kalaeloa)**  
**Crane Manufacturer: PACIFIC CRANE AND HOIST**  
**Crane Serial Number: 15X548-02**  
**Capacity: 1 Ton**  
**91-1391 Saratoga Ave., Kalaeloa**  
**Kapolei, HI 96707**

**17. AASF Bldg. 30 (Saratoga Ave., Kalaeloa)**  
**Crane Manufacturer: PACIFIC CRANE AND HOIST**  
**Crane Serial Number: 15X548-03**  
**Capacity: 1 Ton**  
**91-1391 Saratoga Ave., Kalaeloa**  
**Kapolei, HI 96707**

**MONTHLY COST BREAKDOWN (FOR BILLING PURPOSES AND OBJECT/PROJECT COST CODING)**

All Bidders, shall submit, as one of the attachments to their Bid, the monthly maintenance service cost for each equipment to be reflected on the attached "QUARTERLY COST BREAKDOWN" sheet. The total amount of the monthly costs must equal to the lump sum Bid amount.

**SUBMITTALS:**

- 1.** Submit Certificates or Licenses as proofs that the Contractor or Sub-Contractor are certified or licensed to perform the specialty job based on the SOW/SPECS (before Intent-To-Award notice).
- 2.** Submit Certificates that the Crane Technicians assigned to perform the Maintenance Service (MS) work are qualified and have a minimum of three (3) years related experience.
- 3.** Before to start of MS, submit two (2) sets of PMS Contractor's PMS Report Form for the review of the PM.
- 4.** Before to start of MS, submit a Work and Safety Program for approval.
- 5.** The Contractor shall submit to the PM, a list of names of Technicians and Helpers, to include the names of alternate Personnel.
- 6.** The Contractor shall submit to the PM, the brand/model and licensed plate numbers of the Company vehicles that will be enter the Facility sites during the performance of the MS.
- 7.** The Contractor shall submit a Liability Insurance (Workmen and Property) after receipt of the formal contract documents.

**SAFETY MEASURES IMPLEMENTATION, INSTRUCTIONS TO BIDDERS:**

1. The Contractor must implement all safety measures in accordance with the present OSHA, Local, and Federal Government Rules and Regulations. This will include use of OSHA standard ladders, scaffolds, and other equipment.
2. In case of work to be performed on roof top with high risk of accidents, all PMS worker must wear personnel harness that must be securely attached to the lifeline/s. Lifelines must be attached securely to any fixed structural members of the building.
3. Safety signs, warning signs, and barricades shall be posed/ placed at areas where necessary.
4. The Contractor's Workers shall all times, during the PMS performance, wear the required Personnel Protective Equipment such as eye protector, ear plugs, work gloves, safety shoes, safety vests, respirator, head guard/helmet, and others, which are appropriate for the work activities being performed.

**MANDATORY SURETY BOND:**

All Bidders must include, as one of the attachments with the quote, a Bid Bond based on the bid amount if bid/price quote is \$25,000.00 or more. The Bid Bond Penal Sum is five (5%) percent of the total bid amount. The Bid Bond Form can be any of the Industry-standard Forms used to transact business with the State of Hawaii. The State of Hawaii Department of Defense shall be the Project Owner.

**MANDATORY PERFORMANCE AND PAYMENT BONDS**

**Performance Bond and Payment Bond** shall be required for contracts \$50,000.00 or higher. At the time of the execution of the contract, the successful Bidder shall file a good and sufficient Performance and Payment Bonds on the form furnished by the Department or the Contractor's Surety, each in the amount equal to one hundred (100%) of the amount of the contract price unless otherwise stated in the solicitation of bids.

Acceptable Performance and Payment Bonds shall be limited to the following:

- 1.a) Surety Bond underwritten by a Company licensed to issue bonds in the State of Hawaii;
- 1.b) Legal tender; or
- 1.c) A certification of deposit; share certificate; or cashier's, treasurer's, teller's or official check drawn by or a certified check accepted by payable on demand to the State by a Bank, a Savings Institution, or Credit Union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration
- 1.c.2) These instrument may be utilized only to a maximum of \$100,000.00, more than one instruments not exceeding \$100,000.00 each and issued by different financial institutions shall be acceptable.

If the Contractor fails to deliver the required Performance and Payment Bonds, the Contractor's award shall be cancelled, it's Bid Security enforced and award of the contract shall be made to the next lowest Bidder.

**ACT 68:**

The General Contractor and Sub-Contractors with construction contracts over \$50,000.00 are required by Law to submit a Certificate of Compliance of Employment together with the final billing invoice. The Certificate must be duly notarized.

**DAVIS-BACON ACT:**

This project is covered by the Davis-Bacon Act. All Workers who are “direct cost contributors” to the project shall be paid the minimum basic wage rate plus fringe benefits based on their “Classifications”, as listed on the latest issue of Hawaii Wage Rate Schedule. Certified payroll/s must be submitted by the Contractor together with the billing invoice/s. Processing of billing invoices for payment may not be implemented or payment may not be made without the required Certified Payroll/s.

**HAWAII COMPLIANCE EXPRESS:**

Bidder must be registered or must register with the Hawaii Compliance Express and must be “compliant” status on the issue date of the “Certificate of Vendor Compliance” with the Hawaii Department of Taxation, Internal Revenue Service, Hawaii Department of Commerce and Consumer Affairs, and the Hawaii Department of Labor and Industrial Relations.

**PROJECT POINTS OF CONTACT:**

- |                       |                          |
|-----------------------|--------------------------|
| 1. Ed Mendoza         | Cell Phone: 808-230-7413 |
| (FMO Project Manager) | Office : 808-672-1526    |

**Pre-bid and Site Walkthrough Points of Contact:**

- |  |                                   |
|--|-----------------------------------|
| 1. Ed Mendoza (for Kalaeloa Area)                            |                                   |
| 2. Randall Callejo (for Waiawa, Pearl City and Wheeler AAFB) | : Office: 672-1215 Cell: 753-2073 |
| 3. Marlene Salmo (Hilo Area)                                 | : Office: 844-6638 Cell: 753-1529 |
| 4. Michael Ecsedy (Kihei, Maui)                              | : Office: 844-6784 Cell: 754-6633 |

**BILLING ADDRESS (To appear on invoices, and written communications):**

Department of Defense  
3949 Diamond Head Road  
Honolulu, Hawaii 96816-4495

**MAILING ADDRESS (For original copies of invoices and Certified Payroll)**

HI Army National Guard  
91-1227 Enterprise Avenue  
Kalaeloa, Kapolei, HI 96707

**ATTACHMENTS:**

- |   |                 |
|---|-----------------|
| 1. Scope of Work / Specifications       | (these 8 pages) |
| 2. Quarterly Cost Breakdown Spreadsheet | (1 sheet)       |
| 3. Environmental Forms and Documents    | (6 sheets)      |
| 4. ACT 68 Blank Form                    | (1 page)        |