

PROJECT DESCRIPTION: Replacement of Gym's High Bay Luminaires, Wall Mounted Light Fixtures, and Latrines' Ceiling/Wall Mounted Light Fixtures, of Puunene Readiness Center

LOCATION: Puunene Readiness Center
Hawaii Army National Guard
2701 Mokulele Highway, Kihei
Hawaii, 96753-1057

SCOPE of WORK/SPECIFICATIONS:

Supply of all necessary materials, labor, use of tools and equipment, to implement and complete, in safe and acceptable procedures and workmanship, the total removal of Gym area's existing high bay luminaires and wall mounted fluorescent fixtures, and Latrines' ceiling/wall mounted light fixtures, and installation of new replacement fixtures based on attach Electrical Plans and the Scope of Work/Specifications detailed as follows:

A. Removal and disposal of existing light fixtures.

To be removed and disposed are:

- A.1) Twenty (20) high bay luminaire fixtures inside Gym Area.
- A.2) Sixteen (16) wall mounted fluorescent fixtures inside Gym Area.
- A.3) Eight (8) ceiling mounted fluorescent fixtures inside Female and Male Toilets.

All removed luminaire and fluorescent light fixtures shall be transported and properly disposed of to a licensed Recycling Plant or Landfill. Costs of transport, landfill fees, recycling plant fees, EPA or HDOH permit fees for materials which may contain toxic substances, shall be included in the bid cost estimate.

Interested Bidders shall include in their bid the cost of man-lift equipment rental. Man-lift equipment must be able to reach a minimum of thirty (30') height.

B. Installation of new replacement high bay luminaire fixtures of Gym Area.

Notes:

The following product specifications are based on the recommended KBL Series Version "C" of CREE Lighting Products (LED Low-High Bay Luminaire).

The Bidders can specify other equal products by other Manufacturers which will be acceptable and approved by the Project Owner.

- B.1) Install twenty (20) new replacement high bay luminaire fixtures with a mounting height of approximately twenty-eight (28') feet. The fixtures must be fully assembled with prismatic reflectors and universal mount.

B.2) Product Specifications:

- Construction and materials: Die cast aluminum heatsink, low profile, lightweight. IP65 optics with tempered glass lens LED protection and dust barrier. UV (universal) mount shall be provided with factory installed spring lock hook for mounting, and an adapter plate to accept a 3/4" IP pendant.
- Reflector: Clear prismatic acrylic, KBL-ACR-16. Reflector height is 8.5".
- Lumens: 24L (**24,000 lumens**)
- CRI (Color Rendering Index): 80 CRI
- CCT (Correlated Color Temperature) 4000K

- Optic: Medium with clear glass lens
- Input voltage: Cord only, UL (Universal), 120-277V
- Mounting: UV (Universal hook and cord mount with adaptor plate for pendant mount)
- Mounting pendant: *The Bidder shall include the cost of mounting pendant.*

C. Installation of new replacement wall surface mounted fluorescent light fixtures of Gym Area.

Notes:

The following product specifications are based on the recommended Achieva Selectable Lumens and CCT Surface Wrap of "METALUX" Brand Product.

The Bidders can specify other equal products by other Manufacturers which will be acceptable and approved by the Project Owner.

C.1) Install eight (8) new replacement wall surface mounted "Metalux" Achieva Wrap Selectable light Fixtures marked "11" on Plan Sheet No. E-11.

Product Specifications:

- Size: 4 ft. length x 10 inches width
- Catalog number: 4AWWS-L3C3-UNV
- Lumens setting: Medium
- CCT (Correlated Color Temperature): 4000K
- CRI (Color Rendering Index): 80 min.
- Delivered nominal lumens: 5,378
- Watts: 38.2

C.2) Install eight (8) new replacement wall surface mounted "Metalux" Achieva Wrap Selectable light Fixtures with **Emergency Battery Pack** marked "12" on Plan Sheet No. E-11.

Product Specifications:

- Catalog number: 4AWWS-L3C3-UNV-EL 14W
- All other specifications are the same as C.1.

D. Installation of new replacement wall and ceiling surface mounted fluorescent light fixtures inside Female and Male Latrines.

D.1) Install four (4) new replacement wall surface mounted "Metalux" Achieva Wrap Selectable light Fixtures with **Emergency Battery Pack**, marked "15" on Electrical Plan Sheet No. E-11. Two (2) fixtures each for Female and Male Latrines.

Product Specifications:

- Size: 4 ft. length x 5.5 inches width
- Catalog number: 4AWS-L3C3-UNV-EL 14W
- Lumens setting: Low
- CCT (Correlated Color Temperature): 4000K
- CRI (Color Rendering Index): 80 min.
- Delivered nominal lumens: 4,310
- Watts: 30.8

D.2) Install four (4) new replacement ceiling surface mounted "Metalux" Achieva Wrap Selectable light Fixtures marked "14" on electrical Plan Sheet No. E-11. Two (2) fixtures each for Female and Male Latrines.

Product Specifications:

- Catalog number: 4AWS-L3C3-UNV
- All other specifications are the same as D.1.

E. Tests

All high bay luminaire fixtures and ceiling/wall mounted fixtures shall be tested for proper terminations/connections and functionality. Existing switches and circuit breakers shall also be tested.

F. Final Clean-up

Clean all areas affected by the construction project by removing excess construction materials, signs, barricades, and Contractor-owned equipment.

Submittals.

- 1.) Submit Certificates or Licenses as proof that the Contractor is certified or licensed to perform the job as detailed in the Scope of Work. Licenses can be submitted as attachment to the Bid or after receipt of notice from the Project Manager before the Intent to Award is posted on HlePRO. Required Contractor license for this job is C-13 License for Electrical Contractor. Contractors with "B" License can also bid on this job provided they hold a C-13 License or can sub-contract the job to a C-13 licensed Contractor.
- 2.) Submit the Manufacturer's Product Catalog/Data Sheets for all types of light fixtures to the Project Manager for assessment before approval. Catalog/Data Sheets can be submitted after award but before start of work.
- 3.) Submit the required Manufacturer's Product Warranty showing warranty period after completion of work before final billing payment.
- 4.) Submit a written Contractor's Warranty on labor for a one-year period after the completion of work and before the final billing payment.

Safety Measures Implementation, Instruction to Bidders.

- 1.) The Contractor must implement all safety and health measures in accordance with the present OSHA, EPA, and other Federal, state, or Local Agencies' Rules and Regulations. Personal Protective Equipment (ear plugs, eye protection glasses, work hand gloves, helmet, reflective vests, etc.) required for the job must always be worn by all Workers at site.
- 2.) The Contractor, if necessary, shall provide their power generation equipment.
- 3.) The Contractor shall provide their own portable storage for materials and equipment that will be kept at site while the construction work is in progress. The Government shall not be held liable for the loss of Contractor-owned materials and equipment.
- 4.) The Contractor, before start of work, shall read and submit responses to the questions and requirements mentioned in the attach HIARNG Environmental Contractors Requirements.
- 5.) The Contractor shall also fill up and submit the Environmental Reports (Forms attach) to the HIARNG-FMO Project Manager. Submit reports only applicable for this Project.

Mandatory Surety Bond.

All Bidders must submit, as one of the attachments with their Bid, a **Surety (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 Payment and Performance Bonds.

Payment Bond and **Performance 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%) percent 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 certificate of deposit; share certificate; or a cashier's, treasurer's, teller's or official check drawn by or a certified check accepted by and 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.1) This instrument may be utilized only to a maximum of \$100,000.00.
 - 1.c.2) If the required security or bond amount totals over \$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, its Bid Security enforced and award of the contract shall be made to the Bidder with the second lowest reasonable bid.

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 each month of the general contract period starting from the Notice-To-Proceed (NTP) month regardless of any work performed/completed or not during the subject month, to the Government Project Manager. 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.

Bidders 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:

Ed Mendoza (FMO Project Manager):	Work cell phone: 808-230-7413 Office land line: 808-672-1526
Michiko Aizawa-Smith (FMO Project Manager):	Work cell phone: 808-752-7902 Office land line: 808-844-6552

Billing Address.

Department of Defense
3949 Diamond Head Road
Honolulu, Hawaii 96816-4495
Attention: Ed Mendoza
Facilities Management Office (HIARNG)
Building 1784, Room 304A

Attachments.

1. Scope of Work and Specifications (five pages).
2. Electrical Plan Sheet No. E-11
3. Electrical Plan Sheet No. E-19
4. Electrical Plan Sheet No. E-20
5. Electrical Plan sheet No. E-21
6. Gym's high bay existing luminaire Pic no. 1
7. Gym's high bay existing luminaire Pic. No. 2
8. Gym's existing wall surface-mounted fluorescent light fixture
9. Latrine's existing wall surface-mounted light fixture
10. Latrine's existing ceiling surface-mounted light fixture.
11. Act 68 Form
12. HIARNG Environmental Forms