

STATE OF HAWAII
DEPARTMENT OF DEFENSE
OFFICE OF THE ADJUTANT GENERAL
3949 DIAMOND HEAD ROAD
HONOLULU, HAWAII 96816-4495

May 17, 2018

ADDENDUM NO. 1
KALAELOA BUILDING 29 – PARKING PHOTOVOLTAIC SYSTEM, SITE
IMPROVEMENTS AND MISCELLANEOUS EXTERIOR
AND INTERIOR IMPROVEMENTS, STATE OF HAWAII,
DEPARTMENT OF DEFENSE, HAWAII ARMY NATIONAL GUARD,
JOB NO. CA-1512-C

The items listed hereinafter are hereby made a part of the contract for the above mentioned project and shall govern the work taking precedence over previously issued contract documents governing the items mentioned. Receipt of this addendum is to be acknowledged on page OF-8 of the proposer's packet.

The following are answers to questions submitted prior to the due date of May 11, 2018.

1. There is no Painting section for this project.

Answer: Please refer to Specification Section 099113 - EXTERIOR PAINTING.

2. Is there painting in this project? If so, please advise what needs to be painted.

Answer: Yes. Painting is required. Drawing S.002, STRUCTURAL STEEL note 11, "Corrosion Protection: Painting of structural steel (or galvanizing where applicable) is required for any exposed steel". Specification Section 099113, paragraphs 3.5.A and 3.5.B identifies the painting requirements for Steel, Iron, and Galvanized Substrates.

3. Need type of AC mix needed – specs only list Asphalt Concrete A.C.H.M. What type of mix for AC, either CC\$4/State Mix V or CC#5/State Mix IV.

Answer: State Mix IV (#4)

4. In reference to the chain link fence specifications section 323113
 - a. Will the design portion of the specifications be required? This is not a design build project and if we install the fence per the drawings the contractor should not be required to meet the design criteria.

Answer: This specification section has been revised in its entirety (see attached). The design portions of this specification have been removed.

- b. Is the fence contractor required to hire an engineer to meet the spec requirements?

Answer: This specification section has been revised in its entirety (see attached). The design portions of this specification have been removed.

- c. Please clarify the chain link materials to be required.
- i. Aluminum coated chain link fence is not a normally material in Hawaii, confirm that Aluminum coated is required.

Answer: This specification section has been revised in its entirety (see attached).

Chain Link Fabric, 2" mesh - 9 gauge, Zinc-Coated Fabric, ASTM A 392, Type II, Class 2, 2.0 oz./sq. ft. with zinc coating applied before weaving.

- ii. There is a mixture of aluminum fittings and steel post and barb wire, please clarify if the mixture of aluminum and steel is desired for this project.

Answer: This specification section has been revised in its entirety (see attached).

Refer to Part 2 – Products for types of materials to be used.

5. Drawing E-601 – PV AC Disconnect Switch is not provided as required by Utility.

Answer: Per Drawing E.601, Keyed Note 1, Contractor shall design, engineer, and provide a HECO compliant PV system.

6. Drawing E-601 – Indicates provision of 2 Inverter and requires contractor to design and provide inverters and other PV equipment. Does this mean that this is a design build project?

Answer: This is not a “design build project”, however, the photovoltaic system is a delegated design which shall conform to the basis of design indicated.

7. Deductive Bid Item – Please define 50% to mean PV system capacity or area covered or electricity produced.

Answer: The Drawings define and detail explicitly what is meant by 50%.

8. Specifications for the module and inverters specified minimum on electrical characteristics, shall we look equipment exactly matched what was specified or we can provide equivalent? Ref Specs 263100-3 to -5.

Answer: In lieu of manufacturers name and catalog numbers, electrical characteristics have been provided to establish the system kW size, its capabilities, basic requirements, and physical footprint. The contractor shall make every effort to provide the Government with a photovoltaic system of equal quality, with electrical characteristics, and physical footprint, matching as closely as possible to the system indicated on the drawings and specifications.

9. Drawing S.002 Notes 11 allows structural steel to be galvanized. However, specifications Section 099113 requires painting of steel and iron and galvanized metal. Please clarify if the structural members of the carport canopy need to be painted.

Answer: Yes. Please refer to Answer to Question #2 above.

10. Section 263100 2.4.1 requires 100800W, please clarify that the system size required is 100.800 kW DC irrespective of the module count hitting 288 or higher or lower.

Answer: The “Basis of Design” system utilized (288) 350watt panels in a 6x48 grid for a total of 100800w DC. (Keyed Note 5, Dwg E.401) The system designed by the contractor shall utilize the same quantity of panels indicated, in the same arrangement, with an output of not less than 100kW.

11. Section 263100 2.7 E.1 – please provide name of manufacturer of inverter providing a 4X enclosure approved by HELCO.

Answer: A NEMA 4x enclosure is not required. Any enclosure type that meets the requirements of the NEC and is approved by HECO is acceptable.

Replacements:

Please replace section 323113 dated 16 February 2018 with the attached Section 323113 Revised 15 April 2018

Arthur J. Logan
Major General
Adjutant General

Posted: May 17, 2018