**STATE OF HAWAII**

 **DEPARTMENT OF DEFENSE**

**OFFICE OF THE ADJUTANT GENERAL**

**3949 DIAMOND HEAD ROAD**

**HONOLULU, HAWAII 96816-4495**

# ADDENDUM NO. 2

Construction of Stand-By Emergency Generator Installation for *Wheeler*, AASF #1, State of Hawaii, Department of Defense, Hawai‘i Army National Guard, Job No. CA-202004-C1

 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-6 of the proposer’s packet.

**Below are the modifications to the Notice to Bidders document and technical data last updated on Addendum No 1 posted on August 11, 2023. Included in this addendum are responses to Request for Information (RFI) due on August 17, 2023):**

**A. Changes to Requirements and Specifications:**

 a. Changes to stand-by emergency generator enclosure.

 From: stainless steel

 To: manufacturer's standard steel enclosure.

 b. Paint for enclosure shall be manufacturer factory finish.

 Color shall be provided to Contractor by the HIARNG FMO-Project Manager.

c. Adding addendum 1 file below to original file posted:

 "17-RequirementsSpecifications\_Wheeler AASF #1”

added file: “Addm 1\_Wheeler\_Sect 26 32 15.00\_23.08.09”.

**B. Request for Information Responses:**

1. Please advise on the location or map of the haul route/vehicle & equipment to access the jobsite.

Map is attached to this addendum.  There is a gate between our NG property and Bunker Pl which must remain locked or attended at all times.  We will need to minimize excess use of the gate each day and determine the contractor’s start and end times.

2. Please advise if there are any additional badging/training required as we drive through certain areas to access the jobsite.

We will meet with Contractor personnel at Pre-Construction Meeting or on the first day of construction to go over the approved routing and vehicle marking and restrictions.

3. There is a hose bibb on Bldg. 829 adjacent to the existing portable generator. Please advise if we could use that as our water source for the project.

Yes, for construction-related purposes only.

4. Please advise if we need to provide our own toilets.

Restroom facilities shall be made available for Contractor use.

5. Please advise on the location or map of the laydown/storage area.

Immediately in front of new genset location (“limited”) and/or along fence line behind.

6. Please advise if you need to obtain authorization to take progress photos when the project is awarded.

No authorization required. (Photos shall be limited to construction project area only.)

7. Is there any special permit to work within the secured fence line near the airfield?
No, but potentially for a large crane, etc. depending on the stored and active height of such proposed equipment during project construction or while on site.

8. Will B829 bathroom facilities be available to Contractor forces, or will Porta Potty's be required? Same as Q4.

8. Division 26 32 15 (Generator) Para. 2.6 Fuel System:

Please confirm generator sub-base tank is the only fuel supply and that any reference to day tanks and associated pumps and/or controls are not required, no indication of any main tank is shown on the drawings. This is to confirm that the generator sub-base tank is the only fuel supply for the generator.

9. Division 26 32 15 (Generator) Para. 2.6.4 a. Integral Main Fuel Storage Tank:

Please confirm that the generator sub-base tank is NOT required to be stainless steel.

Specify requirement if it is; inner and/or outer tank constitution material, specify stainless steel grade as 304 or 316SS if required. This is to confirm that the generator sub-base tank is not required to be stainless steel. Provide standard manufacturer sub-base tank.

10. Division 26 32 15 (Generator) Para. 2.20.1 Enclosures

Please specify generator enclosure material grade for stainless steel as 304 or 316SS. The generator enclosure material shall be galvanized steel.

11. Division 26 36 23 & Sheet E202 (ATS) Para. 2.1 K. ATS Configuration

Please confirm closed transition is required. This is to confirm that closed transition is required.

12. Division 26 36 23 & Sheet E202 (ATS) Para 2.1 L. Service Entrance Rated:

Please confirm that 52 U & 52 E, utility & Emergency breakers are required per sheet E202. This is to confirm that the main circuit breaker and generator circuit breaker are required.

13. Division 26 36 23 & Sheet E202 (ATS) Para 2.3 Enclosure:

Please specify stainless steel material as 304 or 316SS. This is to confirm that stainless steel shall be 316.

14. Section 26 32 15, paragraph 2.6.4.1 CAPACITY appears to show that the sub-base tank is to be able to supply fuel to the engine for 48 hours period. Detail A4/C501 shows specific dimensions and clearances for the sub-base tank, for the new concrete pedestal, and for the new concrete pad on grade. This is to confirm that the 48-hour sub-base tank shall be based on the manufacturer requirement. The concrete pad and clearances shall be resized accordingly.

 a. If a manufacturer’s standard 48-hours sub-base tank does not have dimensions to fit the new concrete pedestal, is a custom sized sub-base tank to be provided? No.

 b. If it turns out that a custom sized sub-base tank cannot be obtained to fit the new concrete pedestal, is the new concrete pedestal (and new concrete pad, and associated CMU and chain link fence) to be resized, keeping the clearances shown in detail A4/C501? Yes.

15. Sheet C102 shows there is an existing in-ground electrical box to be removed. Sheet E102 does not show the removal of the in-ground electrical box. This is to confirm that the existing ground electric handhole and associated electrical conduits shall be removed where affected by the new construction. It is our understanding that the handhole and conduits do not have live wiring.

a. Is the Contractor to assume the in-ground electrical box live?

b. Please confirm the in-ground electrical box is to be removed.

c. Plans show existing underground electrical conduits entering and leaving this in-ground electrical box. Please confirm the associated underground electrical conduits from this in-ground electrical box to the existing concrete pad and from this box to the existing CMU wall are to be removed.

16. E201 One-Line Diagram calls for removing the existing Main Circuit Breaker. E104 shows the Existing Main Circuit Breaker is replaced by a new Main Circuit Breaker on same area of existing exterior CMU wall. The main breaker serves Building 829. The allowed outage is two hours which must be coordinated with the Using Activity. Outage in excess of two hours shall be provided with temporary power or standby generator power.

a. Does this Main Circuit Breaker feed power to entire Building 829?

b. What is the allowed duration for outages?

17. Sheet C102, Detail A4, shows that the portable generator is to be removed. Sheet E102 shows that existing portable standby generator on trailer will be removed by using Activity. There are green grounding wires attached to the existing portable standby generator on trailer and to the nearby chain link fence to ground.

 a. Who removes the green grounding wires?

 b. Please confirm the Government will remove the existing portable standby

 generator on its trailer.

 c. There is what appears to be an existing temporary fuel catchment around the existing portable standby generator, not shown on plans. Please confirm the Government will remove the temporary fuel catchment.

This is to confirm that the green grounding wire will be removed by the Government.

18. Does this project have a building permit? No building permit required.

19. Sheet E001 Note #9 states that the new exposed raceways and boxes are to be painted to match surrounding finish. Section 26 32 15, paragraph 3.4 indicates to perform field painting per Section 09 90 00. Section 09 90 00 could not be found.

 a. Please confirm stainless steel raceways and boxes are not to be painted.

 b. Please confirm factory finished enclosure/boxes are not be to be painted.

 c. Please confirm if new CMU work is not required to be painted.

 d. Please confirm the new exterior, above-ground conduits are to be painted.

 e. If so, please provide missing paint specifications to price.

This is to confirm that the stainless-steel raceways and boxes and factory finished enclosure/boxes are not to be painted. New exterior exposed conduits shall be painted primer coat and finished coat. New CMU work is not required to be painted.

20. Please confirm re-painting the entire existing exterior CMU wall (to receive the new ATS and circuit breakers) is not in scope, only touch-up where construction work damages. The existing CMU wall shall be only touch-up painted where damaged by construction work.

21. Plans show existing 3P450A Normal Power Circuit Breaker is tied to existing 300kVA pad mounted transformer

 a. Is this pad mounted transformer controlled by HECO? By the Federal

 Government’s shops?

 b. If controlled by HECO, please confirm the Contractor is not responsible to pay

 for the HECO costs for this project. If otherwise, please provide allowance for

 HECO costs.

 c. If controlled by the Federal Government’s shops, what is the hourly rate for shutdowns?

 It is our understanding that the transformer is served and controlled by the Base Utility.

22. Section 26 32 15, paragraph 3.5.1.3 mentions the Contractor is to supply equipment and supplies for inspections and test, including fuel, etc. After the new standby emergency generator is tested and accepted, who provides the fuel to refill the sub-base tank after testing is completed? Contractor shall provide Government with full fuel tank on completion.

23. Section 26 32 15, paragraph 3.9 FIELD QUALITY CONTROL has reference to Section 26 20 00 INTERIOR DISTRIBUTION SYSTEM. Section 26 20 00 could not be found. Please confirm Section 26 20 00 does not apply to this project. There is no Section 26 20 00 INTERIOR DISTRIBUTION SYSTEM.

24. There are existing unused concrete paver-like blocks at the exterior areas slated for new work. Please confirm if the concrete paver blocks will be relocated by others prior to construction start. Contractor shall remove all concrete pads, paver blocks, etc. to start construction on the new generator foundation, per drawing C102.

25. Detail C3/E104 says to provide new 1” conduit for ground (from new 24”x18”x12” junction box). Sheet E202 shows that it’s a new 1-1/4” conduit for the grounding electrode conductor. Please clarify conduit size. Provide 1¼”C, to accommodate #2/O ground.

26. How much advance notice is required to schedule/coordinate outage(s)?  It is our understanding that two weeks advance notice is required.

27. Detail A4/C501 shows specific dimensions and clearances for the standby emergency generator enclosure. This is to confirm that the 48-hour sub-base tank shall be based on the manufacturer requirement. The concrete pad and clearances shall be resized accordingly.

 a. If a manufacturer’s standard 250kW standby emergency generator enclosure does not have dimensions to fit the new concrete pad and meet the clearances identified in A4/C501, is a custom sized 250kW standby emergency generator enclosure to be provided? No. New concrete pad to be resized to fit the standard sub-base tank provided by the manufacturer.

 b. If it turns out that a custom sized 250kW standby emergency generator enclosure cannot be obtained to fit the new concrete pad and meet the clearances identified in A4/C501, is the new concrete pedestal (and new concrete pad, and associated CMU and chain link fence) to be resized, keeping the clearances shown in detail A4/C501? Yes.

28. When the existing portable generator on trailer is being removed and replaced with new standby emergency generator on new concrete pad/pedestal, and the building is on normal power, please confirm no provisions for a separate temporary back-up/emergency generator is required. The requirement for standby power will depend on the outage period.

29. On sheet E202, where can we get 120V power for the generator trickle charger and heater? Provide 120-volt power from the normal power source with requirement circuit breaker, step down transformer overcurrent device, and wiring.

30. Is there a Hazmat Survey for this project.

Hazmat Survey is scheduled to be performed and the report shall be made available when completed.

Kenneth S. Hara

Major General

Adjutant General

Posted on: August 22, 2023