**STATE OF HAWAII**

 **DEPARTMENT OF DEFENSE**

**OFFICE OF THE ADJUTANT GENERAL**

**3949 DIAMOND HEAD ROAD**

**HONOLULU, HAWAII 96816-4495**

# ADDENDUM NO. 3

Construction of Stand-By Emergency Generator Installation for *Pearl*

*City*, State of Hawaii, Department of Defense, Hawai‘i Army National

Guard, Job No. CA-202004-C2

 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.

**Included in this addendum are responses in red front to Request for Information (RFI) due on August 11, 2023):**

**Request for Information Response:**

1. indicate the duration allowed for power outages and if backup generator power is required during outages. Scheduled power outage exceeding two hours shall be provided with temporary power or standby generator power.
2. 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.

1. 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.

1. 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.

1. Division 26 36 23 & Sheet E203 (ATS) Para. 2.1 K. ATS Configuration:

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

1. Division 26 36 23 & Sheet E203 (ATS) Para 2.1 L. Service Entrance Rated:

a. Please confirm that only 52 U, utility breaker is required per sheet E203

b. Note 208V, 200kW gen is rated for 694A at 0.8PF

Note spec section calls for 600A rated breaker, please confirm breaker amperage ratings for SUSE ATS This is to confirm that the main circuit breaker is required. Generator circuit breaker shall be 800A as indicated on drawing.

1. Division 26 36 23 & Sheet E203 (ATS) Para 2.3 Enclosure:

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

1. 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 that the sub-base tank sits on, 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) to be resized, keeping the clearances shown in detail A4/C501? Yes.

1. Sheet E201 shows that the existing secondary service lateral duct line is to be intercepted.

a. What is the allowed maximum duration for outages?

b. What are the conditions to meet for outages during normal hours?

Scheduled outage with user shall not exceed 2 hours. Outage exceeding 2 hours shall be provided with temporary power or standby generator power.

1. Does this project have a building permit? No building permit required.
2. Sheet E001 GENERAL ELECTRICAL NOTE #8 indicates that all new exposed raceways and boxes are to be painted to match surrounding finish. Section 26 32

15, paragraph 3.4 FIELD PAINTING states to perform field painting per Section 09 90 00. Section 09 90 00 could not be found. Please provide missing painting specifications. New exterior exposed conduits shall be painted primer coat and finished coat.

1. Sheet E201 shows the pad mounted 500 kVA transformers belongs to HECO. Sheet E201 also shows that the Contractor is to arrange with and pay HECO for removal of existing meter and removal of existing C.T.S. after new work is completed. Please advise of the allowance for HECO costs. The existing pad mounted transformer is served and controlled by HECO. Provide $25,000 HECO allowance.
2. 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.
3. Section 26 32 15, paragraph 3.9 FIELD QUALITY CONTROL has reference to Section 26 20 00 INTERIOR DISTRIBUTION SYSTEM. Please provide missing Section 26 20 00, if applicable to this project. There is no Section 26 20 00 INTERIOR DISTRIBUTION SYSTEM.
4. How much advance notice is required to schedule/coordinate outage(s) with the Government? It is our understanding that two weeks advance notice is required.
5. 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. The 60-day mobilization requirement does not apply to this project.

a. If a manufacturer’s standard 200kW 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 200kW standby emergency generator enclosure to be provided? No.

b. If it turns out that a custom sized 200kW 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) to be resized, keeping the clearances shown in detail A4/C501? Yes.

1. Section 01 30 00, paragraph 1.7 MOBILIZATION states that the “Contractor shall mobilize to the jobsite within 60 calendar days of contract award. Mobilize is defined as having equipment AND having a physical presence of at least one person from the contractor's team on the jobsite.” Considering that there is long lead generator equipment on this project, please confirm that mobilizing to the jobsite within 60 calendar days of contract award does not apply to this project.
2. A1/C102 indicates the existing parking lot striping to be removed. Also, the areas affected by new work appear to have painted conduits and painted boxes.

a. Please advise if there is a hazmat survey for this project. If so, please provide applicable hazmat survey results. Hazmat survey is scheduled to be performed and the report will be made available when completed.

b. If there was no test for lead paint/hazmat at areas to be affected by new work, Survey report will be made available when complete.

i. Please advise if Contractor is to include a hazmat survey for the areas affected by new work. No.

ii. Please confirm discovery of and any abatement of hazardous materials will be a changed condition. Yes.

1. New Feeder Handholes: Drawing C4/C102 shows that the two new feeder handholes are to be placed north of the existing secondary service lateral duct lines. Drawing C1/E103 shows that the new feeder handholes are to be placed right above or in-line with the existing secondary service lateral duct lines. Considering that it will take time to install the new concrete pad plus the equipment on top and that the existing secondary service lateral duct lines would need to be cut to install the 3’x5’ feeder handholes which appears to leave the building without service too long, please confirm that the location of the new feeder handholes follows C4/C102. The location of the new handholes shall be in accordance with C4/C1202 and C1/E103.
2. New Concrete Pad: Sheet E203 shows that there are 3-4” conduits (underground) to be removed when the secondary service is intercepted. Drawing C4/C102 shows that the new concrete pad is to be located away from the existing 3-4”C secondary service lateral duct lines. Drawing C1/E103 shows that the new concrete pad is to be installed directly over the existing secondary service lateral duct lines. Considering that it will take time to install the new concrete pad plus the equipment on top and Sheet E203 indicates that the intercepted 3-4” conduits are to be removed, please confirm the new concrete pad is to be located away from the existing secondary service lateral duct lines per C4/C102. The location of the new handholes shall be in accordance with C4/C1202 and C1/E103.
3. Sheet E001 shows Duct Section A with compacted backfill – from the new handholes to the new metering/main switchboard (per C1/E103). Sheet C102, details A3 and A4 shows that the existing underground feeder from outside Mech/Elec Room 105 to Electric Room 120 (running under part of the new concrete pad) needs a new reinforced concrete jacket. Please confirm if the intent is for the duct lines (from the new feeder handholes to the new metering/main switchboard) to be direct buried (not receive reinforced concrete jacket). If not, please advise. Duct section A shall be provided with concrete encasement in lieu of compacted backfill.
4. Sheet E203 indicates that there are underground conduits from the new main switchboard to the new standby generator (under the new concrete pad). Drawing C1/E103 does not show duct section callout for these ducts. Please confirm if the intent is for the duct lines (from the new main switchboard to the new standby generator) to be direct buried (not receive reinforced concrete jacket). If not, please advise. Underground duct line from new switchboard to new standby generator shall be concrete encased.
5. Detail A4/E103 shows a “raised concrete pad” under the new metering/main switchboard. Detail A4/C501 shows that there is only a new concrete pad under the new metering/main switchboard. Please confirm if no new concrete pedestal (on top the new concrete pad) is required for the new metering/main switchboard for this project. If not, please provide details. A 4” raised concrete pad shall be provided under the new switchboard as shown.
6. Are water and restroom facilities available for Contractor use? Two water lines (hose bibs) and male & female restrooms are available for use.
7. Please indicate the duration allowed for power outages and if backup generator power is required during outages. Reference question/answer no. 1

Kenneth S. Hara

Major General

Adjutant General

Posted on: August 22, 2023