

REVISED

SPECIFICATIONS

Emergency Generators for 36 CES, AAFB, GUAM

1. SCOPE: The vendor shall provide two (2) diesel engine driven generators and five (5) gasoline engine driven generators for the 36th Civil Engineering Squadron to include installation, operations, maintenance, parts breakdown manuals, any diagrams needed to install, operate, troubleshoot, and repair the generator. The specifications are as follows:

1.1. Provide two (2) diesel 60KW generator sets with dual voltage capability (120/208 and 277/480 VAC by selector switch), 3-phase/4-wire, 60HZ, enclosure (sound attenuation and weather enclosure), internal exhaust, day tank (8 hours at full load; to be located as a sub-base fuel tank) with auxiliary fuel tank capability, 12 or 24 VDC battery system, 120 VAC battery charging system, two-wire remote start capability, skid base, 120VAC alternator heater, internal exhaust system, digital control system, variable voltage adjust capability, rust proofing (vendor shall provide aluminum corrosion resistant enclosure and rubberized anti-corrosion sub-base tank), and total dimensions not to exceed 100 inches in length and 50 inches in width.

1.2. Provide three (3) portable gasoline 7KW Rated Watts generator sets with internal fuel tank capable of holding at least 5 gallons, 120/240 VAC, 60HZ, electric start with recoil backup, low oil level protection, and wheel kit.

1.3. Provide two (2) portable gasoline 2KW Rated Watts generator sets with internal fuel tank, recoil start, 120 VAC, 60HZ, and weigh no more than 60lbs.

2. WARRANTY: The Contractor shall provide manufacturer's warranty for parts and labor. Labor service must be available on island. Manufacturer will replace any part or parts found to be defective under normal use and service due to defects in material or workmanship. Only genuine original equipment manufacturer (OEM) replacement parts may be used for warranty replacement.

3. ENVIRONMENTAL: The vendor shall provide Environmental Protection Agency/ New Source Performance Standards (EPA/NSPS) certifications for all generators and provide generators that adhere to the emission standards below.

3.1. As of Jul. 11, 2005. NSPS limits the emission of Nitrogen Oxide (Nox), Particulate Matter (PM), Carbon Monoxide (CO), and Non-Methane Hydrocarbons (NMHC). Sulfur Oxide (Sox) emission shall also be controlled through the use of low sulfur fuel.

Some basic requirements based on Guam EPA standards are as follows:

3.2. Unit are standby units and shall not exceed 1500 hours of operation per year per GEPA permit requirement. Note: Only applies when the unit has been issued a Permit to Operate.

3.3. Unit shall be equipped with non-resettable run-hour meter.

3.4. During startup and normal operation, visible emission shall not exceed more than 20 % opacity

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- 3.5. This unit shall burn or consume ultra-low sulfur diesel fuel.
- 3.6. Contractor shall provide a conformance from the manufacturer which states that the unit complies with EPA standards.
- 3.7. Engine/generator unit shall have equipment or nameplate tags.
- 3.8. Unit shall come with emission specs from the factory or manufacturer.

4. DELIVERY: The delivery of all required items shall be no later than 110 days from date of award.

5. SHIPPING:

Vendor shall deliver the required items direct to the following address:

36th Civil Engineer Squadron
BLDG 18001 Arclight Blvd.
Yigo, Guam 96929
ATTN: Marcelino Tan