

RFQ-PAG-022-001-CIP

Request for Quotation/Scope of Work

Replace Existing Generator, ATS, Fuel Storage Tank by installing a New 569 KVA Generator, ATS and Fuel Storage Tank at LC-3

Project Description:

This project is located at the Load Center 3 (LC-3) at the Port Authority of Guam. The Port Authority of Guam is interested in soliciting a request for quotation to replace an existing generator, automatic transfer switch and fuel storage tank and **install a new 455 eKW / 569 KVA prime generator, new automatic transfer switch (ATS) and a new fuel storage tank**. See attached generator specifications.

All related work shall meet the standard compliance of organizations such as the American National Standard Institute (ANSI), American Society for Testing and Materials (ASTM) Underwriter Laboratories (UL), National Electric Code (NEC), National Electric Manufacturers Association (NEMA) and the Occupational Safety and Health Association (OSHA).

General Requirements:

1. PAG Procurement Division to conduct a Request for a Quotation for the aforementioned project and will schedule a onetime mandatory site visit for interested contractors;
2. Interested contractors must possess an electrical C-13 specialty license. Project must be supervised and be Certified by a Master Electrician. Testing and commissioning shall be done by the manufacturer's technical representative on island;
3. Contractor shall investigate the project site, verify existing conditions and measurements prior to submitting their quotes. Failure to do so shall not be a cause for additional claims against PAG;
4. PAG will issue an Intent to Award based on the lowest responsible responsive quotes. Official Notice to Proceed (N.T.P.) will be provided to the contractor upon issuance of the PAG Purchase Order (P.O.) by the PAG Procurement Division;
5. Awarded contractor shall submit within 3 days after Notice to Proceed, the insurance coverage on Comprehensive General Liability Policy and Excess Liability Policy of (\$1 Million minimum). PAG shall be an additional ensured to the policy;
6. Awarded contractor to submit within 10 calendar days after the N.T.P. issuance, the Schedule of Values, material submittals, submittal status logs, project schedule and personnel listing for approval by the PAG Police Division;
7. Contractor's personnel assigned to this project are required to have a Transportation Worker Identification Card (TWIC) and attend the mandatory Maritime Security (MARSEC) Level briefing. Contractor to inquire with the Port Police Division on these requirements. No work will commence without possession of valid TWIC cards;

8. Contractor has Forty-Five (45) calendar days to complete this project. Liquidated damages shall apply after the period of performance (POP) is exhausted in the amount of Five Hundred (\$500) dollars per day. **Therefore, due to the sensitive nature of this project including its function as a standby power supply to 4 crucial parts of the PAG operations, the contractor shall make every effort to reduce the amount of time required for the switch over period from the old generator system to the new;**
9. Contractor shall be responsible for the daily clean-up of the project site. All construction debris shall be disposed to a designated Guam EPA approved dumpsite at no additional cost to PAG;
10. Contractor shall abide by OSHA regulations, provide safety warning signs within the work area. All workers shall wear their proper Personal Protective Equipment (PPE) and maintain separation/distancing requirements in light of Covid-19 Pandemic regulations and executive orders;
11. PAG Engineering and Safety Divisions will conduct daily inspections and/or random checks of the project site;
12. Contractor to submit bi-weekly progress reports with attached daily work progress reports with four (4) photos per day to PAG Engineering for documentation.

SCOPE OF WORK:

Scope of work shall include, but not limited to, as follows;

- 1.) Attached sketches and information are provided for guidance only. The contractor shall investigate the project site prior to submitting quotations and verify existing conditions & measurements. Failure to do so shall not be cause for additional claims against PAG. Any work related to the site conditions not reflected on the attached conceptual drawings will be performed at the contractor's expense;
- 2.) Contractor to perform tag-out/lock-out to disconnect existing electrical conduits, wirings cable runs from switchboard panel and isolation/transfer switch "4DB3, ATS Cabinet, thru the generator, area and the fuel storage tank electrical controls and reuse as appropriate;
- 3) Contractor to supply and install temporary 3Phase 480V, 4Wire feeder line from main isolation switch "4DB3 to 480V main panel load side to supply power to CFS Building, High Tower, Lower Tower and Container Yard Lighting;
- 4) PAG Facility Maintenance Division shall transport the contractor-disconnected existing generator, automatic transfer switch (ATS) and the fuel storage tank and deliver to PAG Electrical Section for Storage;
- 5) Contractor to remove existing stainless steel radiator shroud and set aside for modification and retrofitting to be utilized for the new generator radiator housing directed towards the existing louvered window;

- 6) Contractor to extend existing generator concrete pad by 1'-8" Eastward and 1'-6" Southward and 1'-6" Westward for an overall finished pad dimensions of 8'-6" wide and 17'-6" long and 12" thick. All steel reinforcement shall be #5 at 8" inches on center in both directions at two mats with 4" of vertical separation and 4" concrete cover using concrete spacers to maintain rebars in position, drill and epoxy anchor as a minimum 6" into the existing concrete pad. Contractor shall install secured formwork using the above dimensions as a guide only, scarify existing concrete pad along its depth throughout its face and apply concrete bonding prior to pouring and vibrating ¾" ready mix concrete specified for 2" diameter small pump mix design at 4,000 psi compressive strength, cure concrete properly in order to extend the generator pad perfectly level to achieve the required finished surface area supporting the new generator;
- 7) PAG Facility Maintenance Division shall remove the existing three each steel bollards cut flush to the existing pavement level in order to allow the contractor to modify and extend the existing fuel storage concrete pad as required along the West, North, and South directions in order to provide 12" of extra pad surface area in all four directions beyond the footprint of the proposed 500 Gallon fuel storage tank (supplied at any potential footprint and size). The 8.5" thick existing concrete pad shall have its perimeter 1.5" +/- high and approximately 3" wide lip removed by precisely cutting it flush to the top of the pad. Contractor to remove the drainage valve and smoothen any uneven surfaces. Prior to extension of the existing concrete pad by pouring concrete along three directions, install secured form work, scarify the related pavement surfaces and the existing pad side walls as required, drill and epoxy minimum 6" deep into the existing slab at the mid-depth and secure rebars by concrete spacers. Pour ready mix concrete at 4,000 psi compressive strength perfectly level and perform proper curing of the concrete slab extension;
- 8) **As an optional bid item, contractor to provide separate cost for installation of potential 8 steel bollards 4" in diameter and 6'-0" tall using schedule 80 structural steel pipe sections filled with concrete and painted fluorescent yellow. The bollards shall each have a 2'x2'x3' deep reinforced concrete footings. Bollard spacing shall be at 4'-0" on center along the West, South, and the North sides of the expanded concrete slab as a barrier to protect the new fuel storage tank from potential vehicular impact. Demolition of the existing bollards as required shall not be the contractor's responsibility and shall be performed by the PAG Facility Maintenance Division.**
- 9) Contractor shall provide materials, labor, tools and equipment to install the new generator, automatic transfer switch, fuel storage tank and reinstall all existing aluminum conduit, wirings cable run from switchboard panel "4DB3, ATS Cabinet, thru the generator area, to include new muffler, appurtenances as required and to the fuel storage tank to include installation of the double wall fuel lines including double wall fittings as required for complete installation that shall be acceptable by the Guam Fire Department and the Guam Environmental Protection Agency as the permitting Agencies.
- 10) Coordinate all work with Engineering/CIP and Facility Maintenance Electrical Divisions to perform tapping connection, energizing of electrical components prior to testing and commissioning of the newly installed generator and appurtenances by manufacturer technical representative on island;

- 11) Any onsite grinding, cutting equipment shall require hot work permit issued by the Port Police Division;
- 12) Contractor shall request in formal letter to PAG Engineering to waive hot work permit fee to be approved by the PAG General Manager;
- 13) All bolts, nuts, lock nuts and washers shall be stainless steel type 316;
- 14) Contractor shall abide by OSHA regulations, provide safety warning signs and temporary barriers within work area for the safety of working personnel inside port premises;
- 15) Inform Engineering/CIP Division and Port Police 24 hours prior to the Pre-Final and Final inspections;
- 16) Submit monthly progress payment requests with invoice and breakdown of charges together with the Purchase Order;
- 17) Contractor shall submit a Certificate of Completion certified by a master electrician including a written warranty for a period of one (1) year for materials and workmanship and Release of Liabilities to the Port Authority of Guam Engineering/CIP Division including any unpaid invoices on this project.

These specifications were prepared by Mr. Enrique S. Conde (Engineer III), Mr. Iremar C. Gutierrez (Engineer III), concurred by Mr. Alex Aflague (Facilities Superintendent), Mr. Joe G. Javellana III (Chief Planner), and approved by Mr. Masoud Teimoury (PAG Engineering Manager)

IMPORTANT PROCUREMENT TIMELINES:

RFQ Issue Date:	January 21, 2022
Site- Visit:	January 26, 2022 @ 9:00AM
Q&C Deadline:	January 27, 2022 COB 5:00 PM
RFQ Submission Deadline:	February 1, 2022 COB 5:00 PM

Q&C's may be submitted to Attn: Mark Cabrera at macabrera@portofguam.com and to pagprocurement@portofguam.com

Bidders must send list of names of the participant(s) and a copy of valid ID e.g. driver's license, passport, or TWIC card 24-hours prior to site visit via e-mail to macabrera@portofguam.com and djcalvo@portofguam.com