



# GUAM POWER AUTHORITY

ATURIDÂT ILEKTRESEDÂT GUAHAN  
P.O.BOX 2977 • HAGÂTNÂ, GUAM U.S.A. 96932-2977

October 03, 2025

## AMENDMENT NO.: IX

TO

INVITATION FOR MULTI-STEP BID NO.: GPA-015-25

FOR

**PERFORMANCE MANAGEMENT CONTRACT FOR THE GUAM POWER AUTHORITY'S COMBUSTION  
TURBINE POWER PLANTS: DEDEDO CT 1 AND 2, MACHECHE CT, YIGO CT, AND PITI 7 CT**

Prospective Bidders are hereby notified of the following changes and response to inquiry received from Bidder No. 8 dated September 25, 2025 and Bidder No. 6 dated September 25, 2025.

### **CHANGES:**

1. **REMOVE** Page 3c of 253 and **REPLACE** with Page 3d of 253 (see attached)

Under **INVITATION FOR BID**, Instruction to Bidders, Paragraph one has changed

#### **FROM:**

This bid shall be submitted in one (1) original, two (2) copies and sealed to the issuing office above no later than **(Time) 4:00 P.M., (Guam CHamoru Standard Time; ChST), Date: October 23, 2025** and shall be publicly opened. Bid submitted after the time and date specified above shall be rejected. See attached General Terms and Conditions and Sealed Bid Solicitation for details.

#### **\* TO NOW READ:**

This bid shall be submitted in one (1) original, five (5) copies and sealed to the issuing office above no later than **(Time) 4:00 P.M., (Guam CHamoru Standard Time; ChST), Date: November 06, 2025** and shall be publicly opened. Bid submitted after the time and date specified above shall be rejected. See attached General Terms and Conditions and Sealed Bid Solicitation for details.

2. **REMOVE** Page 11b of 253 and **REPLACE** with Page 11c of 253 (see attached)

- a. Under **1.5 DEADLINE FOR SUBMISSION OF PROPOSALS**, paragraph one has changed

**FROM:**

The Deadline for Submission of the Technical Proposal and Price Proposal is on **October 23, 2025 at 4:00 PM (Chamorro Standard Time)**. BIDDERS are reminded to submit the Price Proposal on a **separate, sealed envelope**.

**\* TO NOW READ:**

The Deadline for Submission of the Technical Proposal and Price Proposal is on **November 06, 2025 at 4:00 PM (Chamorro Standard Time)**. BIDDERS are reminded to submit the Price Proposal on a **separate, sealed envelope**

- b. Under **1.5 DEADLINE FOR SUBMISSION OF PROPOSALS**, paragraph three has changed

**FROM:**

The Price Proposal shall be submitted and accepted by GPA but shall remain unopened. The Price Proposal shall be opened at a different date and time, as indicated in Table 1: Bid Schedule. Price Proposals will not be accepted after the Proposal submittal deadline of **October 23, 2025 at 4:00 PM (Chamoru Standard Time)**.

**\* TO NOW READ:**

The Price Proposal shall be submitted and accepted by GPA but shall remain unopened. The Price Proposal shall be opened at a different date and time, as indicated in Table 1: Bid Schedule. Price Proposals will not be accepted after the Proposal submittal deadline of **November 06, 2025 at 4:00 PM (Chamoru Standard Time)**.

3. **REMOVE** Page 12b of 253 and **REPLACE** with Page 12c of 253 (see attached)

- a. Under **1.8 BID SCHEDULE**, **Milestone** has changed

**FROM:**

| <b>Milestone</b>                | <b>From</b>           | <b>To</b> |
|---------------------------------|-----------------------|-----------|
| Bid Announcement                | 6/24/2025             | 7/1/2025  |
| Bid Documents Available         | 6/24/2025             | 7/25/2025 |
| Pre-Bid Conference              | 7/7/2025 9:00AM       |           |
| CT Power Plant Tours            | 7/7/2025 to 7/11/2025 |           |
| 2nd Pre-Bid Conference          | 8/6/2025 9:00AM       |           |
| 2nd CT Power Plant Tours        | 8/6/2025 to 8/12/2025 |           |
| 3rd Pre-Bid Conference          | 9/04/2025 9:00 A.M.   |           |
| 3rd CT Power Plant Tours        | 9/4/2025 to 9/11/2025 |           |
| Vendors Submit Questions        | 6/24/2025             | 9/25/2025 |
| GPA Review and Answer Questions | 6/24/2025             | 10/9/2025 |

|                                           |                         |            |
|-------------------------------------------|-------------------------|------------|
| Vendor Prepare Proposals                  | 6/24/2025               | 10/23/2025 |
| Cut Off Date for Receipt of Bid Documents | 10/23/2025 4:00PM       |            |
| <b>Step One:</b>                          |                         |            |
| Opening of Technical Proposal             | 10/24/2025              |            |
| Evaluation by Committee                   | 10/24/2025              | 11/3/2025  |
| Determine & Notify Qualified Vendor       | 11/4/2025 to 11/12/2025 |            |
| <b>Step Two:</b>                          |                         |            |
| Opening of Price Proposal                 | TBD                     |            |
| Price Proposal Evaluation                 | TBD                     | TBD        |

**\* TO NOW READ:**

|   | <b>Milestone</b>                          | <b>From</b>              | <b>To</b>  |
|---|-------------------------------------------|--------------------------|------------|
|   | Bid Announcement                          | 6/24/2025                | 7/1/2025   |
|   | Bid Documents Available                   | 6/24/2025                | 7/25/2025  |
|   | Pre-Bid Conference                        | 7/7/2025 9:00AM          |            |
|   | CT Power Plant Tours                      | 7/7/2025 to 7/11/2025    |            |
|   | 2nd Pre-Bid Conference                    | 8/6/2025 9:00AM          |            |
|   | 2nd CT Power Plant Tours                  | 8/6/2025 to 8/12/2025    |            |
|   | 3rd Pre-Bid Conference                    | 9/04/2025 9:00 A.M.      |            |
|   | 3rd CT Power Plant Tours                  | 9/4/2025 to 9/11/2025    |            |
|   | Vendors Submit Questions                  | 6/24/2025                | 9/25/2025  |
|   | GPA Review and Answer Questions           | 6/24/2025                | 10/9/2025  |
| * | Vendor Prepare Proposals                  | 6/24/2025                | 11/6/2025  |
| * | Cut Off Date for Receipt of Bid Documents | 11/6/2025 4:00PM         |            |
|   | <b>Step One:</b>                          |                          |            |
| * | Opening of Technical Proposal             | 11/7/2025                |            |
| * | Evaluation by Committee                   | 11/7/2025                | 11/12/2025 |
| * | Determine & Notify Qualified Vendor       | 11/13/2025 to 11/20/2025 |            |
|   | <b>Step Two:</b>                          |                          |            |
|   | Opening of Price Proposal                 | TBD                      |            |
|   | Price Proposal Evaluation                 | TBD                      | TBD        |

4. **REMOVE** Page 153 of 253 and **REPLACE** with Page 153a of 253;

**SCHDEULE D: RECOMMENDED PROJECTS; Recommended CIPs/PIPs for Contract Year 2026-2030** (see attached)

5. **REMOVE** Page 199, 200, and 201 of 253 and **REPLACE** with Page 199a, 200a, and 201a of 253;

**SCHDEULE F: TECHNICAL DESCRIPTION OF GPA'S COMBUSTION TURBINE PLANTS; 6. Historic Spending** (see attached)

**RESPONSE:**

**Bidder No.: 8 dated 09/25/2025:**

**QUESTION:**

1. Experiences of similar units to Combustion Turbine Units GE LM2500 PE and GE MS5001 and GE Frame 6 can be included? Or experiences of only Combustion Turbine Units GE LM2500 PE and GE MS5001 and GE Frame 6 can be included?

**ANSWER:**

Similar units to Combustion Turbine Units GE LM2500 PE and GE MS5001 and GE Frame 6 can be included.

**QUESTION:**

2. Is it possible to extend the deadline for submitting the bid documents? If so, please let us know if it will be submitted by the end of October, 2025.

**ANSWER:**

Refer to **CHANGE 1 and 2** above.

**QUESTION:**

3. Please confirm if main Contractor can use the experiences of Subcontractor's experiences?

**ANSWER:**

Subcontractor experiences can be considered however the subcontract must be part of the company that submits the overall bid package. Subcontractor must provide their certifications and must comply with **Section 2.12 Compliance with law**, under General Conditions. Refer to Page 30 of 253.

**QUESTION:**

4. O/H budget is included in O&M Budget or separate budget?

**ANSWER:**

The price proposal for the bid is for O&M budget only. OH budget costs and other major CIPs will be requested and approved by GPA with the awarded bidder. See **Section 3.1 Engineering, Procurement, Project Management and Related Services for the Overhaul of Piti 7 and the Hot Gas Path Inspections (HGPIs) of Dededo CT 1 and 2**. And see **Section 3.5 Budget** and **Section 1. Definition of Terms, “O&M Spending”** and **Section 5.3 Proposed O&M Spending**. Refer to Page 50a, 52, 75, 81 of 253.

**QUESTION:**

5. If we need to hire a foreigner or sub-contract companies, what type of VISA can be obtained to perform the work?

**ANSWER:**

VISA responsibilities are on the Contractor and must be obtained by Contractor or PMC for all subcontractors. Contractor/PMC and subcontractors and must comply with Guam law and regulations. See **Section 2.12 Compliance with Law**, under General Conditions. Refer to Page 30 of 253.

**QUESTION:**

6. Is the supplier of spare parts the Owner during daily, corrective, or overhaul services for the units, gas turbines and its auxiliaries?

**ANSWER:**

GPA has some inventory of spare parts available for use on these plants (inventory list is provided in Schedule) but the inventory is the only parts that will be provided. The PMC must replenish all inventory used and supply all other parts need for O&M or projects.

**Bidder No.: 6 dated 09/25/2025:**

**QUESTION:**

1. **1. Page 7, Section 1.9b: Step Two Procedure – Price Proposal**
  - o Kindly clarify statement highlighted below.
  - o What particular equipment is being referred to “20 units of CT Power Plants”?
- b. STEP TWO PROCEDURE – PRICE PROPOSAL
  - 1) BIDDERS are required to submit their price offer on the BID FORM in a separate sealed envelope marked “PRICE PROPOSAL”. Indicate the date and time of price proposal bid package remittance.

The proposal shall include the replacement cost for up to 20 units of CT Power Plants, Annual Management Fee per Contract Year and an Annual O&M Budget. Any departures from the proposed O&M budget shall not be reimbursed by GPA; should the PMC anticipate any changes to the allocated budget, it shall advise GPA of the possible changes for review.

**ANSWER:**

Refer to **Amendment No.: VII**

**QUESTION:**

2. **Page 26, Historic Spending**

6.3 CT Power Plants (Dededo CT1&amp;2, Macheche,Yigo) O&amp;M Expenses 2020-2024

| Sum of Invoice Amount       | Fiscal Year      |                    |                    |                  |                    |
|-----------------------------|------------------|--------------------|--------------------|------------------|--------------------|
| PO Description              | FY-20            | FY-21              | FY-22              | FY-23            | Grand Total        |
| Other Professional Services | \$696,815        | \$1,532,338        | \$1,646,797        |                  | \$3,875,950        |
| PMC Routine O&M             |                  |                    | \$885,285          | \$449,455        | \$1,334,740        |
| <b>Grand Total</b>          | <b>\$696,815</b> | <b>\$1,532,338</b> | <b>\$2,532,083</b> | <b>\$449,455</b> | <b>\$5,210,691</b> |

- o Please provide O&M Expenses for FY-2024 on Table 6.3.
- o Please provide information for Piti CT Plant as it is not included in Table 6.3
- o Please provide a detailed, line-item expense for all the plants for FY2024
- o Please confirm if GPA is responsible for all utility expenses, such as water, plant in-house power consumption and communication.

**ANSWER:**

2024 O&M expenses are provided in the new Historic Spending Table 6.3. Refer to **CHANGE 5** above.

- o Piti 7 O&M is on Table 6.1
- o Piti 7 CIP is on table 6.2 of Historic spending. This now includes FY 2025 but is not complete since the FY year just ended.
- o CT O&M is on Table 6.3 This now includes FY 2025 but is not complete since the FY year just ended.
- o An example of detailed, O&M, line-item, expenses for all the CT power plants are provided in the new Schedule B. It is part of the CT PMC bid ask that the bidders fill out what they deem appropriate for each of these line items in the Schedule B, but we do not have historical O&M broken down into detailed object codes available. GPA would like to document this moving forward.
- o GPA will provide water, power, and landline communication to the plants only not for contractors offices if they choose separate office locations.

**QUESTION:****3. Page 119, Section 7.1: Equivalent Availability**

- o Units are required to operate at 90% EAF and such requirement determines bonus/penalty for PMC (ref.8.0 Incentives and Penalties, 8.2 EAF Performance Measure). However, based on the EAF Table (4.2) for all plants 2020-2024, only DCT and MCT met the 90% EAF in 2024.
  - Should the baseline EAF for the other CT's be considered to be equivalent to the most current 1-year average EAF for the bonus/penalty calculation?
  - Can the EAF be adjusted until improvements are made to the units to avoid penalties at the commencement of the PMC Contract?

**ANSWER:**

Yes, adjustments to the EAF reference baseline will be made until improvements to the units are complete.

**QUESTION:****4. Page 120, Section 7.3: Heat Rate and Efficiency**

- o The Combustion Turbine Units are currently required by the Guam PUC to have a minimum Gross Heat Rate of 13,200 BTU/KWH; however

- o In reference to Section 4, Station Performance, Subsection 4.1, Heat Rate for all plants 2020-2024, only MCT and Yigo CT are the only plants that could meet the required minimum gross heat rate; and
- o Under Section 8.3, the other 3 CT Plants (DCT1&2 and Piti CT) do not meet the required Gross Heat Rate and therefore will stand to pay penalties for the difference between the required Gross Heat Rate and the Actual Heat Rate.
  - Will the baseline/required Gross Heat Rate be adjusted to avoid such penalties from the commencement of the contract?
  - Or at least until adjustments or improvements are made to meet the required Gross Heat Rate?

**ANSWER:**

Yes, adjustments to the heat rate baseline will be made until improvements to the units are complete.

**QUESTION:**

5. **Page 120, Section 7.4: Emissions Guarantees and Environmental Compliance Penalties**

- o A continuous Emissions Monitoring System (CEMS) is installed for each CT Plant to monitor plant emissions.
  - Is the CEMS being maintained by plant personnel or is there is a contractor doing the maintenance to the equipment?
  - If Annual Emissions Test is required, who shoulders or pays for the testing cost?
  - Is an Annual Emissions Fee required? If so, is the fee a part of the O&M budget or directly reimbursable by GPA?

**ANSWER:**

The CEMS is maintained by PMC. The PMC is responsible for the cost of Annual emissions testing requirements as part of the maintenance and operations of the plants and it is part of the GPA reimbursement.

**QUESTION:**

6. **Page 121, Section 8.1: Capacity**

- o There is a provision for penalty in case the PMC did not meet the Guaranteed Capacity.
  - Is there going to be a bonus payment if the Plant demonstrated improvement in capacity?

**ANSWER:**

No bonuses shall be awarded for improvement in this bid.

All other Terms and Conditions in the bid package shall remain unchanged and in full force.

  
 JOHN M. BENAVENTE, P.E.  
General Manager

CB17857055  
INVITATION FOR BID

**ISSUING OFFICE:**

Guam Power Authority-Procurement Office  
1st. Floor, Room 101  
Gloria B. Nelson Public Service Building  
688 Route 15  
Mangilao, Guam 96913

**Attn:** JOHN M. BENAVENTE, P.E.  
General Manager  
c/o JAMIE LYNN C. PANGELINAN  
Supply Management Administrator

bi.

10/3/2025

jm

**JOHN M. BENAVENTE, P.E.**      **DATE**  
**General Manager**

|                |                                                                                                 |                                   |
|----------------|-------------------------------------------------------------------------------------------------|-----------------------------------|
|                | 06/24/2025                                                                                      |                                   |
| DATE ISSUED:   | 07/01/2025                                                                                      | BID INVITATION NO.: MS GPA-015-25 |
|                | Performance Management Contract for Guam Power Authority's Combustion Turbine Power Authority's |                                   |
| BID FOR:       | Combustion Turbine Power Plants: Dededo CT 1 and 2, Macheche CT, Yigo CT, and Piti 7 CT         |                                   |
| SPECIFICATION: | SEE ATTACHED                                                                                    |                                   |
| DESTINATION:   | SEE ATTACHED                                                                                    |                                   |

REQUIRED DELIVERY TIME: SEE ATTACHED

PRE-BID/SITE VISIT (MANDATORY): 9:00 A.M., August 06, 2025 Thru August 12, 2025 (ChST)

**2ND PRE-BID/SITE VISIT (MANDATORY): 9:00 A.M., August 06, 2025 Thru August 12, 2025 (ChST)**

3RD PRE-BID/SITE VISIT (MANDATORY): 9:00 A.M., September 04, 2025 Thru September 11, 2025 (ChST)

(Meeting place will be at the Procurement Conference Room A, 1st. Floor, Gloria B. Nelson Public Service Building, 688 Route 15, Fadian, Mangilao)

CUT-OFF DATE FOR RECEIPT OF QUESTIONS: 4:00 P.M., September 25, 2025 (ChST)

### INSTRUCTIONS TO BIDDERS:

INDICATE WHETHER: \_\_\_\_\_ INDIVIDUAL \_\_\_\_\_ PARTNERSHIP \_\_\_\_\_ CORPORATION

INCORPORATED IN: \_\_\_\_\_

- \* This bid shall be submitted in one (1) original, five (5) copies and sealed to the issuing office above no later than **(Time) 4:00P.M. \_\_\_\_\_, (Guam CHamoru Standard Time; ChST), Date: November 06, 2025** and shall be publicly opened. Bid submitted after the time and date specified above shall be rejected. See attached General Terms and Conditions and Sealed Bid Solicitation for details.

The undersigned offers and agrees to furnish within the time specified, the articles and services at the price stated opposite the respective items listed on the schedule provided, unless otherwise specified by the bidder. In consideration to the expense of the Government in opening, tabulating, and evaluating this and other bids, and other considerations, the undersigned agrees that this bid remain firm and irrevocable within six (6) months from the date opening to supply any or all of the items which prices are quoted.

NAME AND ADDRESS OF BIDDER:

SIGNATURE AND TITLE OF PERSON  
AUTHORIZED TO SIGN THIS BID:

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The above must be signed and returned in the bid envelope together with bid. Failure to comply will mean a disqualification and rejection of the bid.

AWARD: CONTRACT NO.:\_\_\_\_\_ AMOUNT:\_\_\_\_\_ DATE:\_\_\_\_\_

ITEM NO(S). AWARDED:

CONTRACTING OFFICER:

JOHN M. BENAVENTE, P.E.      DATE  
General Manager

To be completed pre-award:

NAME AND ADDRESS OF CONTRACTOR:

SIGNATURE AND TITLE OF PERSON

**To: Guam Power Authority – Procurement Office  
1st. Floor, Room 101  
Gloria B. Nelson Public Service Building**

**688 Route 15  
Mangilao, Guam 96913**

**Attn: MR. JOHN M. BENAVENTE, P.E.  
General Manager  
  
c/o JAMIE LYNN C. PANGELINAN  
Supply Management Administrator**

All inquiries must be received by the GPA Procurement Office no later than **4:00 PM on September 25, 2025 (Chamorro Standard Time)** . Oral explanations or instructions given will not be binding. Any information concerning a solicitation will be furnished promptly to all parties recorded by Procurement as having received the Invitation for Bid as an amendment to the solicitation if that information is necessary in submitting bids or if the lack of it would be prejudicial to other prospective BIDDERS.

**1.5 DEADLINE FOR SUBMISSION OF PROPOSALS**

- \* The Deadline for Submission of the Technical Proposal and Price Proposal is on **November 06, 2025 at 4:00 PM (Chamorro Standard Time)**. BIDDERS are reminded to submit the Price Proposal on **a separate, sealed envelope**.

The Technical Proposal and all required forms, and the Bid Bond will be opened at the same date and time as the deadline for submission of proposals. This opening time and date is also referred to as the Proposal submittal deadline or submittal date. Technical Proposals shall not be accepted after the proposal opening date.

- \* The Price Proposal shall be submitted and accepted by GPA but shall remain unopened. The Price Proposal shall be opened at a different date and time, as indicated in Table 1: Bid Schedule. Price Proposals will not be accepted after the Proposal submittal deadline of **November 06, 2025 at 4:00 PM (Chamoru Standard Time)**.

**1.6 RECEIPT AND HANDLING OF MANUALLY SUBMITTED PROPOSALS**

Upon receipt, each Proposal submittal package will be time-stamped. The only acceptable evidence to establish the time of receipt at the GPA is the date/time stamp of the Guam Power Authority's procurement office on the wrapper or other documentary evidence of receipt maintained by GPA Procurement. Proposals will be stored in a secure place until the date and time set for proposal opening.

GPA procurement personnel and the BIDDERS must ensure that the outside of the sealed package is stamped received using the GPA Procurement Stamp. In addition, GPA procurement personnel must officially log the time and date that the BIDDER's sealed proposal package has been received.

## 1.7 BIDDERS RESPONSIBILITIES

Examination of Technical and Functional Requirements and Tender Documents. Before submitting their proposal, BIDDERS must familiarize themselves with the nature and extent of the work, noting any local conditions that may affect the work to be done and the labor, materials, and equipment required.

BIDDERS are also required to carefully examine all tender documents inclusive of all technical and functional requirements and to inform themselves of all conditions and requirements for the execution of the proposed work in accordance with the laws and regulations of Guam. Ignorance on the part of BIDDERS of any part of the tender documents and Technical and Functional Requirements will in no way relieve them of the obligations and responsibilities assumed under the contract.

### a. *Familiarity with Laws*

BIDDERS shall be familiar with all Federal (U.S.) and local laws, ordinances, rules and regulations of Guam that in any manner affect the work. Ignorance of laws on the part of the BIDDERS will not relieve the BIDDERS from responsibility.

### b. *Cost of Bidding*

BIDDERS shall bear all costs associated with the preparation and submission of its proposals. GPA will not be responsible or liable for those costs, regardless of the outcome of the IFB process.

## \* 1.8 BID SCHEDULE

\*Draft only, will be set after CCU and PUC approvals are received

Table 1: Bid Schedule

| Table 1: Bid Schedule                       |                          |            |
|---------------------------------------------|--------------------------|------------|
| Milestone                                   | From                     | To         |
| Bid Announcement                            | 6/24/2025                | 7/1/2025   |
| Bid Documents Available                     | 6/24/2025                | 7/25/2025  |
| Pre-Bid Conference                          | 7/7/2024 9:00AM          |            |
| CT Power Plant Tours                        | 7/7/2025 to 7/11/2025    |            |
| 2 <sup>nd</sup> Pre-Bid Conference          | 8/06/2025 9:00 A.M.      |            |
| 2 <sup>nd</sup> CT Power Plant Tours        | 8/6/2025 to 8/12/2025    |            |
| 3 <sup>rd</sup> Pre-Bid Conference          | 9/4/2025 9:00 A.M.       |            |
| 3 <sup>rd</sup> CT Power Plant Tours        | 9/4/2025 to 9/11/2025    |            |
| Vendors Submit Questions                    | 6/24/2025                | 9/25/2025  |
| GPA Review and Answer Questions             | 6/24/2025                | 10/9/2025  |
| * Vendor Prepare Proposals                  | 6/24/2025                | 11/6/2025  |
| * Cut Off Date for Receipt of Bid Documents | 11/6/2025 4:00 PM        |            |
| Step One:                                   |                          |            |
| * Opening of Technical Proposal             | 11/7/2025                |            |
| * Evaluation by Committee                   | 11/7/2025                | 11/12/2025 |
| * Determine & Notify Qualified Vendor       | 11/13/2025 to 11/20/2025 |            |
| Step Two:                                   |                          |            |
| Opening of Price Proposal                   | TBD                      |            |
| Price Proposal Evaluation                   | TBD                      | TBD        |

| Recommended CIPs/PIPs for Contract Year 2026-2030 |        |                                      |              |               |              |               |               |                                                                                                                        |
|---------------------------------------------------|--------|--------------------------------------|--------------|---------------|--------------|---------------|---------------|------------------------------------------------------------------------------------------------------------------------|
| Item No                                           | site   | DESCRIPTION                          | CY 2026      | CY 2027       | CY 2028      | CY 2029       | CY 2030       | JUSTIFICATION                                                                                                          |
| 33                                                | YCT    | YCT Hot section                      |              |               |              |               | 2,700,000.00  | The estimated operating time will reach the hour limit specified in the maintenance manual.                            |
| 34                                                | Piti 7 | Pit 7 Major Overhaul                 |              | 3,500,000     |              |               |               | Major Turbine/Generator Overhaul of Piti 7. GE Combustion Turbine model MS-6001B. Unit has had no overhaul since 2016. |
| 35                                                | Piti 7 | Piti 7 Fuel Line upgrade             |              | 315,187.50    |              |               |               | Estimated cost of replacing the fuel line to Piti 7 from the fuel tanks located behind the old Piti power plant.       |
| 36                                                | Piti 7 | Piti 7 Fire protection upgrade       |              | 2,000,000.00  |              |               |               | Estimated cost of installing a fire protection system and fire alarms for the unit.                                    |
| 37                                                | Piti 7 | Piti 7 Mark V control system upgrade |              |               | 1,000,000.00 |               |               | Estimated cost of upgrading the current, obsolete, control system.                                                     |
|                                                   |        | TOTAL CIPs/PIPs BUDGET               | 3,970,000.00 | 20,015,562.50 | 4,210,000.00 | 22,320,000.00 | 21,390,000.00 | Sum of each colum above                                                                                                |

Grand Total

\$71,905,562.50

These are estimated CIP costs for 2026-2030. Funds for these CIP projects must be requested, approved and funded by GPA with approval from GP leadership. If funding is available, the PMC will have to competitively bid out/obtain multiple quotes from vendors for each project.

PERFORMANCE MANAGEMENT CONTRACT  
COMBUSTION TURBINE PLANTS

SEPT 2024

and control nature of all the plant equipment as required. They also help to ensure the safe and reliable operation of the major and auxiliary equipment of the plant.

## 6. Historic Spending

Historic Operation and Maintenance spending for the Combustion Turbine Plants are illustrated in the succeeding tables.

Table 6.1 Piti 7 Operations and Maintenance Expenses 2020-2025. This does not include Labor and PMC Fixed Management Fees.

| Sum of Invoice Amount       | Fiscal Year      |                  |                  |                 |                 |                  |
|-----------------------------|------------------|------------------|------------------|-----------------|-----------------|------------------|
| PO Description              | FY-20            | FY-21            | FY-22            | FY-23           | FY-24           | FY-25            |
| Accessory Equipment         |                  | \$158,808        | \$22,667         | \$17,897        | \$24,634        | \$21,500         |
| Accessory Equipment Maint.  | \$4,397          | \$4,085          | \$10,494         | \$7,340         | \$8,165         |                  |
| Chemicals                   | \$56,745         | \$44,709         | \$40,458         | \$20,295        | \$35,092        | \$15,000         |
| Diesel Plant Parts          |                  | \$17,084         | \$49,538         | \$11,590        |                 | \$37,195         |
| Gases                       |                  |                  | \$4,499          | \$835           | \$4,816         | \$10,000         |
| Lubrication                 | \$7,570          |                  | \$5,810          |                 | \$6,840         | \$5000           |
| Office Supplies             | \$496            |                  | \$3,395          |                 |                 |                  |
| Other Materials             | \$31,797         | \$24,195         | \$20,294         | \$5,952         | \$11,674        | \$12,0000        |
| Other Parts                 | \$33,527         |                  |                  |                 | \$888           |                  |
| Other Professional Services | \$210,000        | \$246,860        | \$210,000        | \$35,000        |                 | \$10,500         |
| Technical Fees              |                  |                  |                  |                 |                 |                  |
| Tools                       |                  |                  |                  |                 | \$120           |                  |
| <b>Grand Total</b>          | <b>\$344,532</b> | <b>\$495,741</b> | <b>\$367,156</b> | <b>\$98,909</b> | <b>\$92,229</b> | <b>\$111,195</b> |

Table 6.2 Piti 7 Capital Improvement Projects Expenses 2020-2025.

| Sum of Invoice Amount                |                 | Fiscal Year    |                  |                 |                  |                     |
|--------------------------------------|-----------------|----------------|------------------|-----------------|------------------|---------------------|
| PO Description                       | Purchase Order# | FY-20          | FY-21            | FY-23           | FY-24            | FY-25               |
| Cabinet 30gal FlamYel SC             | 28012           | \$4,200        |                  |                 |                  |                     |
| 1ea Liquid Fuel Flow Divider         | 30817           |                |                  | \$26,000        |                  |                     |
| Starting Engine Crank Shaft & Pulley | 32773           |                |                  |                 | \$218,887        | \$220,928           |
| Turbine Parts for Major Overhaul     | 32900           |                |                  |                 | On hold          | On hold             |
| Washer/Dryer                         |                 |                |                  |                 |                  | \$2,230             |
| GE Frame 6 Gas Turbine Parts         |                 |                |                  |                 |                  | \$24,360.78         |
| <b>Grand Total</b>                   |                 | <b>\$4,200</b> | <b>\$264,705</b> | <b>\$26,000</b> | <b>\$218,887</b> | <b>\$247,519.26</b> |

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6.3 CT Power Plants (Dededo CT1&2, Macheche,Yigo) O&M Expenses 2020-2025.\* This does not include Labor and PMC Fixed Management Fees.

| Sum of Invoice Amount       | Fiscal Year       |                     |                     |                   |                      |                        |
|-----------------------------|-------------------|---------------------|---------------------|-------------------|----------------------|------------------------|
| PO Description              | FY-20             | FY-21               | FY-22               | FY-23             | FY-24                | FY-25                  |
| Other Professional Services | \$696,815         | \$ 1,532,338        | \$ 1,646,797        |                   |                      |                        |
| PMC Routine O&M             |                   |                     | \$885,285           | \$449,455         | \$ 424,311.45        | \$ 1,122,666.60        |
| <b>Grand Total</b>          | <b>\$ 696,815</b> | <b>\$ 1,532,338</b> | <b>\$ 2,532,083</b> | <b>\$ 449,455</b> | <b>\$ 424,311.45</b> | <b>\$ 1,122,666.60</b> |

\*No detailed breakdown available.

6.4 CT Power Plants (Dededo CT1&2, Macheche,Yigo) Expenses CIP 2020-2025

| Sum of Invoice Amount                                    |                 | Fiscal Year |             |       |       |       |       |
|----------------------------------------------------------|-----------------|-------------|-------------|-------|-------|-------|-------|
| PO Description                                           | Purchase Order# | FY-20       | FY-21       | FY-22 | FY-23 | FY-24 | FY-25 |
| DCT#1_Turbine Fuel Divider with Flow Sensor Upgrade      | 27812           | \$25,937    |             |       |       |       |       |
| YCT_NGR/CT Upgrade                                       | 28016           | \$51,053    |             |       |       |       |       |
| DCT Water Injection Pump/Gear Box/Coupling/Motor upgrade | 28046           | \$203,242   |             |       |       |       |       |
| MCT Exhaust Gas Temp, Thermocouple Upgrade               | 28539           |             | \$57,196    |       |       |       |       |
| DCT#1_Ratchet Assembly                                   | 28543           |             | \$37,169    |       |       |       |       |
| MCT Instrument Air Compressor Skid Replacement           | 29112           |             | \$53,942    |       |       |       |       |
| YCT LM2500 Engine Exchange                               | 29132           |             | \$4,530,000 |       |       |       |       |
| YCT LM2500 SAC Engine Exchange                           | 29137           |             | \$505,285   |       |       |       |       |
| DCT#1 Atomizing Air Compressor Overhaul & Refurbishment  | 29215           |             | \$63,635    |       |       |       |       |
| DCT#1 Engine Room Exhaust Duct Upgrade                   | 29257           |             | \$193,463   |       |       |       |       |

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|                                                                           |       |                  |                    |                    |                  |                    |                      |
|---------------------------------------------------------------------------|-------|------------------|--------------------|--------------------|------------------|--------------------|----------------------|
| YCT_Replace Works                                                         | 29285 |                  | \$118,811          |                    |                  |                    |                      |
| YCT_Generator<br>Room Gas Turbine<br>Air Intake & Exhaust<br>Duct Upgrade | 29286 |                  | \$165,283          |                    |                  |                    |                      |
| YCT_MCC#3 &<br>WTMCC#2 Upgrade                                            | 29795 |                  |                    | \$137,953          |                  |                    |                      |
| YCT_Main Generator<br>Overhaul                                            | 29869 |                  |                    | \$918,095          |                  |                    |                      |
| YCT_Gire Engine<br>Pump System<br>Upgrade                                 | 29914 |                  |                    | \$114,241          |                  |                    |                      |
| YCT_Vaccum Circuit<br>Breaker Upgrade                                     | 29972 |                  |                    | \$33,279           |                  |                    |                      |
| DCT#1_Fuel Bypass<br>Valve                                                | 30759 |                  |                    | \$84,727           |                  |                    |                      |
| DCT_Water<br>Treatment Control<br>System Upgrade                          | 30801 |                  |                    | \$98,589           |                  |                    |                      |
| Typhoon Mawar<br>Damages                                                  | 31913 |                  |                    |                    | \$124,976        |                    |                      |
| Typhoon Mawar<br>Emergency Repairs                                        | 32017 |                  |                    |                    |                  | \$1,372,207        |                      |
| YCT_LM2500 Hot<br>Section Eschange &<br>Dry Combustor<br>Rotable          | 32201 |                  |                    |                    |                  | \$2,049,120        |                      |
| DCT#1&2_ Turbine<br>System Motor Center<br>Upgrade                        | 32359 |                  |                    |                    |                  | \$265,438          |                      |
| Dededo 1&2<br>Turbine Motor<br>Control Center                             | 32359 |                  |                    |                    |                  |                    | \$ 468,960.75        |
| Water Injection<br>Valve Upgrade<br>Macheche                              | 33702 |                  |                    |                    |                  |                    | \$ 69,157.89         |
| Fire Alarm Control<br>Upgrade<br>Macheche                                 | 33703 |                  |                    |                    |                  |                    | \$ 110,063.68        |
| Turbine System<br>MCC Dededo 1                                            | 34105 |                  |                    |                    |                  |                    | \$ 26,300.52         |
| <b>Grand Total</b>                                                        |       | <b>\$280,231</b> | <b>\$5,724,784</b> | <b>\$2,272,170</b> | <b>\$574,430</b> | <b>\$3,686,765</b> | <b>\$ 674,482.84</b> |