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10 *Attorney for Guam Power Authority*

11 **BEFORE THE GUAM PUBLIC UTILITIES COMMISSION**

12 **IN THE MATTER OF:**

13 **GUAM POWER AUTHORITY'S REPAIR**
14 **AND OVERHAUL OF THE NAVY-**
15 **OWNED OROTE POWER PLANT**

16 **NOTICE TO THE PUBLIC**
17 **UTILITIES COMMISSION**
18 **RELATIVE TO THE APPROVAL OF**
19 **THE REPAIR AND OVERHAUL OF**
20 **THE NAVY-OWNED OROTE POWER**
21 **PLANT**

22 The GUAM POWER AUTHORITY (GPA) hereby submits this Notice in accordance with
23 paragraph 2 of the Guam Public Utilities Commission's (PUC) Contract Review Protocol for GPA,
24 Admin. Dkt. (Feb. 15, 2008), for a contract that involves the receipt by GPA of reimbursement of
25 costs in excess of \$1.5 million.

26 GPA is providing the PUC with the following prior to entering into the contract:

- 27 (a) Consolidated Commission on Utilities (CCU) Resolution No. FY2024-30, authorizing
28 a contract of up to \$3 million to repair and overhaul of the Navy-owned
29 Orote power plant, *see Attachment A*;
- 30 (b) an unsworn declaration under penalty of perjury in lieu of affidavit, *see 6 GCA § 4308*,
31 from the General Manager stating that the contract does not produce an increased
32 revenue requirement, with supporting documentation, *see Attachment B*; and

ORIGINAL

1 (c) a narrative description of the contract, *see Attachment C* (Navy's letter of July 22,
2 2024, requesting support services and scope of work describing inspection and
3 repair/overhaul of Orote Power Plant generators not to exceed \$1.8 million).
4

5 GPA acknowledges that, under the Contract Review Protocol, the contract will be deemed
6 approved unless rejected by the PUC within thirty (30) days after an adequate filing by GPA.
7

8 Respectfully submitted this 9th day of September, 2024.

9 *Attorney for Guam Power Authority*

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11 By: _____

12 Marianne Woloschuk
13 GPA Legal Counsel
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RESOLUTION NO. FY2024 - 30

**RELATIVE TO APPROVAL OF THE REPAIR AND OVERHAUL
OF THE NAVY-OWNED OROTE POWERPLANT**

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6 **WHEREAS**, Guam Power Authority (GPA) and Commander, Joint Region Marianas
7 (CJRM), renewed the Inter-Governmental Support Agreement (IGSA) for another 10- year period
8 in June 2023 for the purpose of providing each other with mutual assistance of electrical power
9 goods and support services; and

10 **WHEREAS**, CJRM has requested GPA to assist with the repair and overhaul services for
11 the Orote Power Plant located on Naval Base Guam (NBG); and

12 **WHEREAS**, the Orote Power Plant consists of three 6.8MW Wartsila diesel engines; and

13 **WHEREAS**, the diesel engines were recently assessed by Wartsila and Navy has justified
14 use of the original equipment manufacturer (OEM) to provide the repair and overhaul services;
15 and

16 **WHEREAS**, GPA requests for approval of up to \$3M based on an initial estimate for all
17 work related to the Orote Power Plant which is a reimbursable cost to GPA under the IGSA from
18 Navy that will not produce an increased revenue requirement and as such notice shall be provided
19 to the Guam Public Utilities Commission under its contract review protocol; and

20 **WHEREAS**, presently two diesel engines at the Orote Power Plant are operational and
21 have provided support to the Island Wide Power System during GPA generation capacity shortfalls
22 and is a critical capacity reserve resource until the Ukudu Power Plant is commissioned in
23 September 2025; and

24 **WHEREAS**, Navy has requested to expedite this service to ensure power supply to the
25 Naval Base Guam at all times especially after typhoons.

26 **NOW, THEREFORE, BE IT RESOLVED**, by the Consolidated Commission on
27 Utilities, as follows:

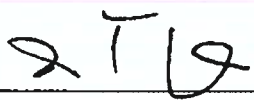
- 1 1. GPA is approved to contract Wartsila, to provide repair and overhaul services on the
2 Orote Power Plant which shall be reimbursed by Navy under the IGSA.
3 2. GPA shall notify the PUC of the contract as required by the contract review protocol.
4


5 **RESOLVED**, that the Chairman certifies and the Board Secretary attests to the adoption
6 of this Resolution.

7 **DULY AND REGULARLY ADOPTED AND APPROVED THIS 27TH DAY OF**
8 **August, 2024.**

9 Certified by:

Attested by:

10 
11 _____

10 
11 _____

12 **JOSEPH T. DUENAS**

12 **PEDRO ROY MARTINEZ**

13 Chairperson

13 Secretary

14 Consolidated Commission on Utilities Consolidated Commission on Utilities
15

16 **I, Pedro Roy Martinez**, Secretary for the Consolidated Commission on Utilities (CCU), as
17 evidenced by my signature above do certify as follows:

18 The foregoing is a full, true, and accurate copy of the resolution duly adopted at a regular
19 meeting of the members of Guam Consolidated Commission on Utilities, duly and legally held
20 at a place properly noticed and advertised at which meeting a quorum was present and the
21 members who were present voted as follows:

22
23 Ayes: 4

24 Nays: 0

25 Absent: 1

26 Abstain: 0

27 **///**



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Email: mwoloschuk@gpagwa.com

Attorney for Guam Power Authority

BEFORE THE GUAM PUBLIC UTILITIES COMMISSION

IN THE MATTER OF:

**GUAM POWER AUTHORITY'S REPAIR
AND OVERHAUL OF THE NAVY-
OWNED OROTE POWER PLANT**

**DECLARATION OF ACTING GENERAL
MANAGER BEATRICE P. LIMTIACO,
IN SUPPORT OF THE REPAIR AND
OVERHAUL OF THE NAVY-OWNED
OROTE POWER PLANT**

I, BEATRICE P. LIMTIACO, declare:

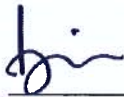
1. I am the Acting General Manager for the Guam Power Authority (GPA).
2. I have personal knowledge of the following facts and, if called as a witness, I would and could competently testify thereto.
3. In June 2023, GPA and the Navy entered into an Intergovernmental Support Agreement (IGSA), *see generally* Ex. 1, under which the parties may provide one another with mutual assistance for electrical power goods and support services and which provides the underlying basis for GPA's undertaking of the repair and overhaul of the Navy's Orote Power Plant.
4. The contract to repair and overhaul the Orote Power Plant does not produce an increased revenue requirement because the cost is fully reimbursable to GPA under the IGSA. *See* Ex. 1 ¶ 17 ("The Requesting Party shall pay the Providing Party in

1 advance for its support services, before the support services are provided. Requesting
2 Party shall provide three (3) months advanced funding for recurring services and full
3 funding for non-recurring services.”).

4
5 I declare under penalty of perjury that the foregoing is true and correct.

6 Executed on September 6, 2024.

7
8 *Guam Power Authority*

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10 By:  _____
11 **BEATRICE P. LIMTIACO**
12 Acting General Manager
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**INTERGOVERNMENTAL SUPPORT AGREEMENT
BETWEEN
COMMANDER, JOINT REGION MARIANAS
AND
GUAM POWER AUTHORITY**

Subj: INTERGOVERNMENTAL SUPPORT AGREEMENT FOR ELECTRICAL POWER GOODS AND SUPPORT SERVICES

Ref: (a) DoD 7000.14-R, Financial Management Regulation, June 2008
(b) DoD Instruction 4000.19 as of 16 December, 2020
(c) NAVSO P-1000, DON Financial Management Policy Manual
(d) CNICINST 4000.1D
(e) 10 U.S.C. § 2679 and 12 GCA § 8104

1. **Purpose.** This Intergovernmental Support Agreement (IGSA) (hereafter IGSA or MOA) is a renewal agreement between Commander, Joint Region Marianas (CJRM) and Guam Power Authority (GPA) (collectively, the "Parties," or individually, a "Party") pursuant to 10 U.S.C. § 2679 and 12 GCA § 8104. The purpose is to establish the terms and conditions under which the Parties may provide each other mutual assistance of electrical power goods and support services.

2. **Background.** Reference (a) is the Department of Defense Financial Management Regulations Manual. References (b) through (d) outline service support and Navy financial requirements. Reference (e) outlines intergovernmental support agreements. The Parties look to establish mutually beneficial relationships and opportunities to create a public-public partnership in furtherance of the "One Guam" approach. Emergent conditions that affect Guam's electric production, transmission, and distribution facilities and equipment, the Island-Wide Power System (IWPS), may concomitantly affect CJRM's operations and mission functionality. GPA may require CJRM's support services, which CJRM may provide through coordination with CJRM's service provider, Naval Facilities Engineering Systems Command (NAVFAC), Marianas to address issues affecting the IWPS. CJRM may also from time to time require GPA's support services to address issues affecting its installations. The Parties desire to provide support services to each other to the maximum extent practicable.

3. **Scope.** This MOA shall serve as general authority for the Parties to perform the responsibilities set forth herein. The specific terms of each arrangement between the Parties will be set forth, as mutually determined, in a separate document.

4. **Period of Performance.** This MOA shall cover a period of 10 years.

5. **Responsibilities**

a. **Requesting Party**

(1) The Party requesting for support services shall submit a request in writing to the Party providing the support services. The written request shall specify the support services to be purchased or traded.

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GOODS AND SUPPORT SERVICES**

(2) The total cost of support services requested by CJRM must be less than \$2,000,000.00 per fiscal year.

b. Providing Party

(1) The Providing Party may provide some or all of the support services requested by the Requesting Party. The Providing Party is under no obligation to provide a support service requested by the Requesting Party if the Providing Party, in its discretion, is not in a position to honor the request.

(2) If the Providing Party executes a support service via a contract, the Providing Party must award that contract on a competitive basis pursuant to 10 U.S.C. § 2679(a)(4).

(3) The Providing Party shall provide the Requesting Party with documentation specifying the support services to be performed and all costs directly related to those support services.

c. Both Parties. Both Parties shall:

(1) Cooperate to ensure mutual goals are met and issues are promptly resolved.

(2) Promptly notify the other Party of any concerns and communicate openly and transparently to ensure any concerns or issues are promptly dealt with in order to not impede performance under this MOA.

(3) Mutually negotiate reasonable prices for furnishing the support services.

(4) Resolve to try to work out disputes to the extent feasible before initiating termination procedures.

(5) To the extent permitted by law, each Party shall protect personal information and shall maintain the confidentiality of other exchanged information when requested to do so by the providing Party.

(6) Comply with public requests for information related to this MOA pursuant to the Freedom of Information Act.

6. Other Provisions

a. Relationship of the Parties. In the exercise of their respective rights and obligations hereunder, each Party acts in an independent capacity, and neither is to be considered the officer, agent, or employee of the other. Each Party is responsible for all costs of its personnel and contractors, including pay and benefits, support, and travel. Neither party shall provide, without the written consent of the other Party, any contractor or employee with a release that waives or purports to waive any rights a Party may have to seek relief or redress against that contractor or employee.

b. No Warranties. Each Party makes no warranty of any kind, either express or implied, by fact or law, for its Support Services. Each Party makes no warranty of fitness for a particular purpose.

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GOODS AND SUPPORT SERVICES**

c. **Applicable Law.** The Parties shall comply with all applicable Federal and Guam laws, Federal executive orders, and Federal rules and regulations applicable to its performance under this MOA. If any federal statute expressly prescribes policies or requirements that differ from the terms and conditions of this MOA, the provisions of the statute shall govern.

d. **Authority to Execute.** Each Party represents and warrants that it is fully authorized to enter into the terms and conditions of and to execute and be bound by this MOA.

e. **Counterparts.** This MOA may be fully executed in counterparts, each of which shall be deemed to be an original and all of which taken together shall constitute one agreement binding upon the Parties, notwithstanding that the Parties have not signed the same counterpart. Such executions may be transmitted to the Parties electronically or by facsimile, and such electronic or facsimile execution shall have the same force and effect as an original signature.

7. Point(s) of Contact

- a. All correspondence to be sent and notices to be given pursuant to this MOA shall be addressed to:

John M. Benavente, P.E.
General Manager, GPA
P.O. Box 2977
Hagåtña, Guam 96932

Captain Troy M. Brown, P.E.
Regional Engineer, JRM
PSC 455, Box 195
FPO AP 96540-2937

- b. The following are each Party's points of contact (POC) for matters relating to this MOA.

GPA:
John M. Benavente, P.E.
General Manager

CJRM:
Troy M. Brown, P.E.
Captain, Civil Engineer Corps, U.S. Navy
Regional Engineer

8. **Review of Agreement.** If non-reimbursable, this MOA will be reviewed no less often than mid-point on or around the anniversary of its effective date in its entirety. If reimbursable, this MOA will be reviewed on or around the anniversary of its effective date annually for financial impacts; if there are substantial changes in resources requirements, the agreement will be reviewed in its entirety.

9. **Modifications/Terminations.** Modification/Termination can be executed prior to the expiration date by mutual written, agreement of the Parties, duly signed by their authorized representatives.

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GOODS AND SUPPORT SERVICES**

Either party requesting modification/termination of this agreement should make a written request at least sixty (60) days prior to the agreement's expiration date. Termination by either party shall not provide the basis for any claim against the U.S. Government. This agreement may be terminated by either party by providing the other party with a minimum of sixty (60) day notice of its intent to terminate this IGSA.

10. **Disputes.** Any disputes relating to this MOA, subject to any applicable law, Executive Order, Directives, or Instruction, will be resolved by consultation between the Parties.

11. **Transferability.** This Agreement is not transferable except with the written consent of the Parties.

12. **Entire Agreement.** It is expressly understood and agreed that this MOA embodies the entire agreement between Parties regarding the MOA's subject matter, thereby merging and superseding all prior agreements and representations by the Parties with respect to such subject matter.

13. **Effective Date.** This MOA is effective upon signatures and shall remain in force for ten years from effective date.

14. **No Third Party Beneficiaries.** Nothing in this MOA, express or implied, is intended to give to, or will be construed to confer upon, any person or entity not a party any remedy or claim under or by reason of this MOA and this MOA will be for the sole and exclusion benefit of the Parties.

15. **Severability.** If any term, provision, or condition of this MOA is held to be invalid, void, or unenforceable by a governmental authority and such holding is not or cannot be appealed further, other provisions and conditions of this MOA shall continue in full force and effect. The Parties shall endeavor in good faith to replace such invalid, void, or unenforceable term, provision, or condition with valid and enforceable terms, provisions, or conditions which achieve the purpose intended by the Parties to the greatest extent permitted by law.

16. **Other Federal Agencies.** This MOA does not bind any federal agency, other than the Parties, nor waive required compliance with any law or regulation.

17. **Financial Details.** The Requesting Party shall pay the Providing Party in advance for its support services, before the support services are provided. Requesting Party shall provide three (3) months advanced funding for recurring services and full funding for non-recurring services.

a. Payment to GPA shall be made as follows:

**Bank of Guam
111 Chalan Santo Papa
Hagåtña, Guam 96910
Account # 0601-024961
Routing/Transit #121405115**

**Subj: INTERGOVERNMENTAL SUPPORT AGREEMENT FOR ELECTRICAL POWER
GOODS AND SUPPORT SERVICES**

**Guam Power Authority
Physical address:
688 Route 15
Mangilao, Guam 96913**

**Mailing address:
P.O. Box 2977
Hagåtña, Guam 96932**

b. Payment to CJRM shall be made to NAVFAC, CJRM's service provider, utilizing eBilling. GPA must inform the One-Guam Electric Program Coordinator, once it has submitted advanced or full funding, pursuant to this Section, for the requested Support Services.

c. The Parties may agree to trade for the Support Services, in lieu of monetary payment, provided the trade is of equal value to the costs of the Support Services performed.

19. Availability of Funds. This MOA does not document the obligation of funds between the Parties. The obligation of funds by the Parties, resulting from this MOA, is subject to the availability of funds pursuant to the DoD Financial Management Regulations. No provision in this MOA will be interpreted to require obligation or payment of funds in violation of the Anti-Deficiency Act, Section 1341 of Title 31, United States Code.



**JOHN M. BENAVENTE, P.E. Date
General Manager, Guam Power Authority**

6/8/2023



**B. R. NICHOLSON, Rear Admiral, USN Date
Commander, Joint Region Marianas**

6/9/2023

Date

Mid-Point Review Due Date: _____ (Enter date mid-point review due)

Mid-Point Review completed by: _____
Signature and Name of the Reviewer



DEPARTMENT OF THE NAVY
JOINT REGION MARIANAS
PSC 435 BOX 211
FPO AP 96540-1000

7000
Ser J4/0275
July 22, 2024

Mr. John M. Benavente, P.E.
General Manager
Guam Power Authority
P.O. Box 2977
Hagåtña, GU 96910-2977

Dear Mr. Benavente:

**SUBJECT: REQUEST FOR SUPPORT SERVICE TO REPAIR/OVERHAUL OROTE
POWER PLANT, NAVAL BASE GUAM**

Pursuant to the Intergovernmental Support Agreement (IGSA) N61128-20230608-12554 of June 2023, this letter requests Guam Power Authority support to inspect and repair/overhaul the Orote Power Plant in accordance with the Inspection & Repair/Overhaul of Orote Power Plant Generators, Building 307, Naval Base Guam, Statement of Work.

Please provide a work plan, schedule, and quote for the work within two (2) weeks of receipt of this request.

My point of contact for this matter is Ms. Mauryn McDonald, P.E., Utilities Management Coordinator. She may be reached at mauryn.q.mcdonald.civ@us.navy.mil or by telephone at (671)333-1280.

Sincerely,

T. M. BROWN
Captain, U.S. Navy
Regional Engineer
By direction of the Commander

Enclosure: 1. Inspection & Repair/Overhaul of Orote Power Plant Generators, Building 307,
Naval Base Guam

ATTACHMENT C



**Inspection & Repair/Overhaul of
Orote Power Plant Generators
Building 307
Naval Base Guam (NBG)**

21 June 2024

Final

PREPARED BY:
Utilities Management PW6
NAVFAC Marianas
PSC 455, BOX 195
FPO AP 96540-2937

Enclosure(1)

Record of Changes/Revisions

Date	Change/ Revision Number	Description of Change/Revision
April 29, 2024	Draft SOW	
April 30, 2024	Draft SOW	Comments from PW6/Changes per meeting
May 20, 2024	Draft final SOW	Draft final scope of work
May 30, 2024	Revised draft final SOW	Comments from NBG DPWO incorporated
June 13, 2024	Revised draft final SOW	Comments from Counsel
June 21, 2024	Final SOW	All comments incorporated

... SAFETY FIRST ...

STATEMENT OF WORK

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1. PROJECT DESCRIPTION

1.1 OVERVIEW

On August 31, 2015, Guam Power Authority (GPA) experienced a major failure of its base load units at the Cabras 3 and 4 power plant when an explosion and a fire occurred in the Cabras 4 engine. The Island-Wide Power System (IWPS) lost 79 megawatts (MW) of base load capacity, leaving GPA maximum generation capability of 276 MW to supply Island's peak demand of 254 MW. The situation was exacerbated by damage to other generation units by Super Typhoon Mawar in May 2023. Until base load generation capacity by way of the new 198 MW Ukudu Power Plant is shored up, GPA currently experiences, and will continue to experience, difficulty meeting system demand during events of additional base load or a peaking unit outage. In the event that GPA loses a Cabras steam unit, GPA will be short 50 MW and, depending on system demand, this may cause a need for loadshedding since GPA may not meet the Island demand. The sudden loss of two Cabras steam units (total of 100 MW) and a large emergency unit (20 MW) could result in a complete black out of electricity delivery through the IWPS on Guam. Although the Utility Service Contract provides that the "Navy shall maintain a high priority" on the load restoration schedule, this provision fails to adequately assure the Navy will be able to maintain critical mission functions during the IWPS generation crisis.

The Orote Power Plant (Orote), when fully operational, provides approximately 19.8 MW of emergency backup power to NBG. Currently, Orote is limited due to turbocharger leaks and obsolete speed controller. NBG seeks the overhaul and repair of Orote by leveraging the expertise of GPA and the Original Equipment Manufacturer (OEM) in accordance with this statement of work. Several factors necessitate the use of OEM:

- OEM knows the equipment and knows exactly how to effectuate the overhaul and repairs
 - Based on NAVFAC P-603 Utilities Infrastructure Management Manual and similar P-503 Planned Maintenance Guide, planned maintenance is based on manufacturer recommendations and is required to maintain warranty coverage. NAVFAC standard business processes require the operation and maintenance supporting information originate from the original equipment manufacturer for establishing maintenance job plans and schedule.
- OEM has the necessary materials/parts
 - The materials and equipment needed to support the overhaul and repairs of the three (3) TM410 Engines are approaching end of the lifecycle and therefore availability of major components are limited. OEM has the necessary

materials/parts to support replacement of components for the engines manufactured over 32 years ago.

- Utilizing the OEM will shave months off the timeline to complete the work

Time is of the essence. It is typhoon season, and the National Weather Service is predicting that Guam and the southern Commonwealth of the Northern Mariana Islands will see two to four tropical cyclones for the remainder of 2024.

This is a project to provide Orote Power Plant generator components inspection & repair/overhaul services. Orote Power Plant generators are:

Unit	Engine No.	Engine Type	Speed [rpm]/Direction	Output (kW)
DG1	51000	16VTM410	514	6800
DG2	51100	16VTM410	514	6800
DG3	50900	16VTM410	514	6800

1.2 EXISTING OPERATIONS

The work activities will be performed in a manner as to NOT negatively impact the existing operational capabilities. Contractor shall minimize interruption to the on-going / supported operations. Contractor shall coordinate for interruption of utility services. All other actions not involving interruption of services can be conducted during regular working hours. In the event work/project activities other than what is indicated in this statement of work occur simultaneously, contractor shall verify, coordinate and may be required to phase such work/project activities.

1.3 LOCATION OF WORK

The work/project is located at Building 307 at NBG. See Attachment 3.1 for location map.

2. PROJECT OBJECTIVES

2.1 SCOPE OF WORK

The contractor shall provide all labor, materials, equipment, transportation, disposal, permit and clearances, supervision, and other incidental work required for the project. The project is to perform a full overhaul of all three units to include turbochargers and associated engine work per Attachment 3.2. Work will ensure all three units are operational and commissioned in meeting design standards. Each of the generator unit systems will be inspected, tested and commissioned in meeting design specifications. Other incidental work required includes any

and all items and considerations necessary to ensure a complete and usable final product including, but not limited to, the generators operating at design specifications. Complete and usable final product means that the completed final product is finished throughout and can be used to fully satisfy the requirements and the intended purpose of the project, meeting design specification of the generators and standard components.

Repairs are not to exceed \$1.8M.

Work Phasing: *The work shall be phased, to ensure one generator is operational at all times.*

Phase 1 – Major overhaul of DG2 engine, turbochargers, and associated work per the detailed scope.

Phase 2 – Major overhaul of DG1 engine, turbochargers, and associated work per the detailed scope.

Phase 3 – Major overhaul of DG3 engine, turbochargers, and associated work per the detailed scope.

Note:

- 1. DG2 and DG3 are currently in operation.*

The scope of work includes, but is not limited to, the following:

2.1.1 WORK PLAN, SCHEDULE & TRAVEL REQUIREMENTS

2.1.1.1 Provide a work plan, schedule of performance & travel requirements

- a. Provide a work plan to include, but not limited to: work-phasing plan, enumerate tasking, required parts listing, lead-time (parts & performance of services/overhaul), travel requirements & other pertinent information necessary for the completion of work. The schedule should identify tasks description, start and completion dates for each tasking. All required parts and materials shall be shipped & available on site prior to scheduling actual work.
- b. Provide list of tasking support and materials requirement (manpower [BOSC Operators/Mechanics/Riggers], materials & testing) needed from BOSC or other entity (i.e.; rigging, lube oil, coolant, material testing, cleaning materials, etc.)

2.1.2 REPAIR/OVERHAUL

2.1.2.1 Engine Overhaul and Turbochargers

- a. Perform major overhaul / turn-around maintenance of generators and turbochargers.
- b. Provide parts and materials needed to perform the repair/overhaul.
- c. Work shall be tested to ensure units are operational and ready for final testing & commissioning.

2.1.2.2 Engine Cylinder Liner, Valve Cage, Piston & Connecting Rod

- a. Perform major overhaul / turn-around maintenance of engine cylinder head and liners, valve cages, pistons & connecting rod.
- b. Repair/Overhaul to include, but not limited to inspection, cleaning, removal of defective part, parts replacement (seals, gaskets, piston rings, o-rings, etc.)
- c. Provide parts and materials needed to perform the repair/overhaul.
- d. Work shall be tested and make sure unit is ready for final testing & commissioning.

2.1.2.3 Engine Lubrication System

- a. Perform overhaul/turn-around maintenance of engine lubrication system.
- b. Repair/Overhaul to include, but not limited to, lube oil separators, lubricators / cylinder lubricator pumps lube oil sump tank.
- c. Take lube oil sample & provide recommended lube oil testing
- d. Provide lube oil change / replacement
- e. Check problem with the oil mist detectors and filters & provide repair needed.
- f. Work shall be tested and make sure unit is ready for final testing & commissioning

2.1.2.4 Engine Fuel System

- a. Provide fuel system inspection, repair and testing.

2.1.2.5 Safety, Electrical, Instrumentation & Control System

- a. Provide recommended safety system check/inspection & repair.

2.1.2.6 Commissioning and Testing

- a. Verify and document equipment and systems are operating in accordance with design specifications and within industry accepted minimum standards.
- b. Verify and document proper performance of equipment and systems.

2.1.3 WORK SITE SAFETY

2.1.3.1 Worksite Safety

- a. Contractor/Service Provider shall follow worksite safety protocols and take all measures necessary to prevent accidents.
- b. Worksite safety indoctrination, analysis of safety hazards shall be required prior to start of any work.

2.1.4 POST-WORK REPORT

2.1.4.1 Post-Work Report

- a. Provide a post-work/repair-overhauling report to include, but not limited to the following:
 - Work completed
 - Parts re-used and/or replaced
 - Before & after photos (for documentation)

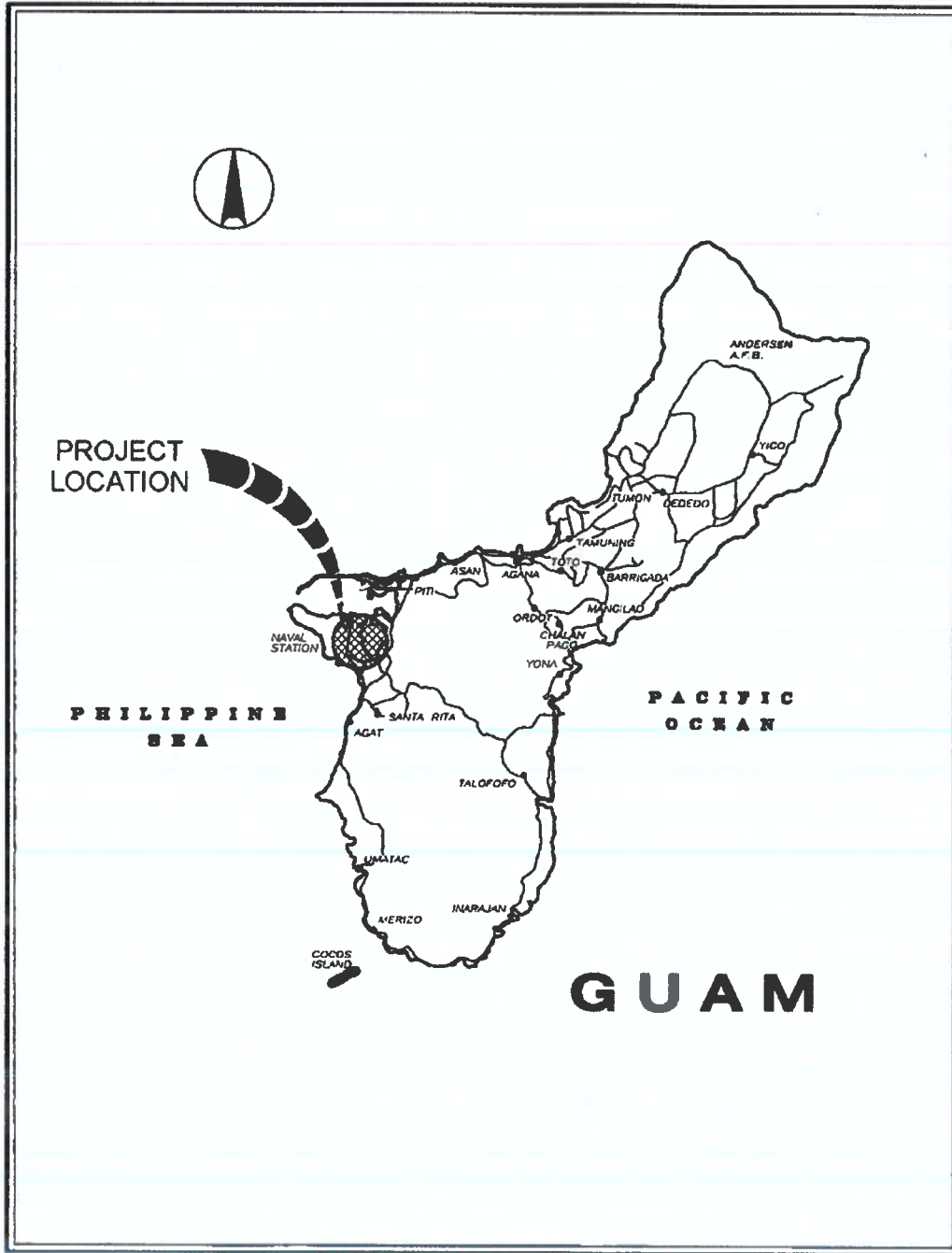
3. ATTACHMENTS

3.1 Location Map

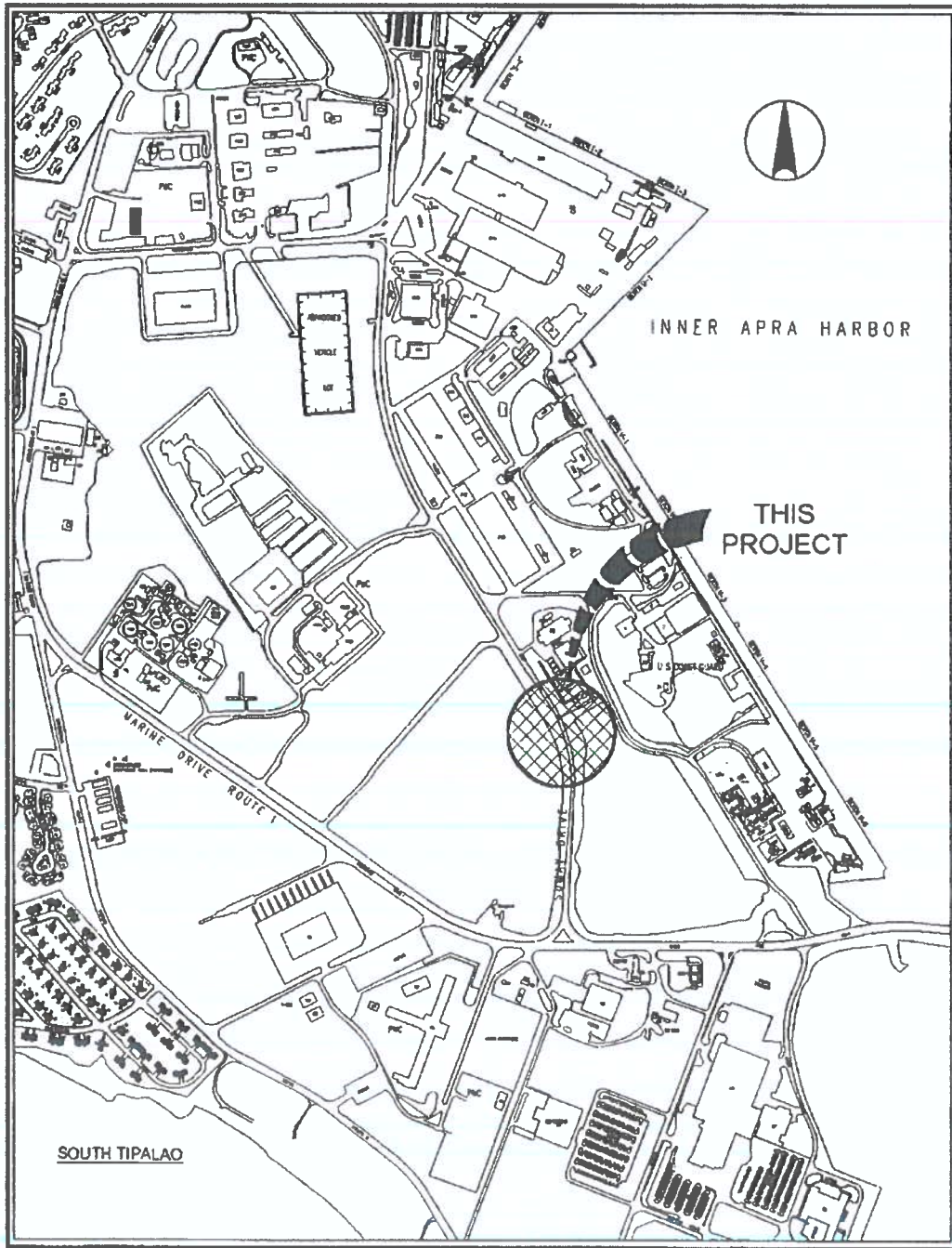
3.2 Major Preventive Maintenance Services

ATTACHMENT 3.1

LOCATION MAP



PROJECT LOCATION



VICINITY MAP

CUI // DCRIT, CTI

**Repair & Inspection of Orote Power Plant Generators
Naval Base Guam**

Version: 21 June 2024

ATTACHMENT 3.2

MAJOR PREVENTIVE MAINTENANCE SERVICES

CUI // DCRIT, CTI

Field Service

Reference SO-108079-2

DG1 Major Preventive Maintenance
DG2 Major Preventive Maintenance
DG3 Major Preventive Maintenance

Scope can be applied for 3 Engines

Removal of Cylinder Heads Removal of
Pistons

Removal of Big end bearing caps

Removal of Liners

Removal of Safety Valve

Removal of Camshaft Left and Right bank

Removal of Gear Wheel Casing

Removal of Intermediate Gears

Removal of Turning Gear

Inspection of Exhaust Manifold

Removal of Fuel Pump Bracket

Removal of Fuel Pumps Removal

of Push rods Removal of Fuel

Rack Removal of Governor Drive

Removal of Lubrication Inlet Valve

Overhauling of Cylinder Heads

Overhauling of Pistons

Overhauling of Big end bearing caps Overhauling

of Liners

Overhauling of Safety Valve Overhauling of Camshaft Left and Right bank Overhauling of Gear Wheel Casing

Overhauling of Intermediate Gears Overhauling of Turning Gear

Overhauling of Fuel Pump Bracket Overhauling of Fuel Pumps Overhauling of Push rods Overhauling of Fuel Rack

Overhauling of Governor Drive Overhauling of Lubrication Inlet Valve Installation of Cylinder Heads Installation of

Pistons

Installation of Big end bearing caps Installation of Liners

Installation of Safety Valve

Installation of Camshaft Left and Right bank Installation of Gear Wheel Casing Installation of Intermediate Gears

Installation of Turning Gear

Installation of Fuel Pump Bracket Installation of Fuel Pumps Installation of Push rods Installation of Fuel Rack

Installation of Governor Drive

Installation of Lubrication Inlet Valve

Turbocharger Scope

Rotor - Service Work for 7 units

Cover ring - Mechanical cleaning for 6 units

Nozzle ring - Mechanical cleaning for 6 units

Commissioning and Testing

Submit Work Report