

JUSTIFICATION AND AUTHORIZATION
FOR OTHER THAN FULL AND OPEN COMPETITION

SCHWEITZER ENGINEERING LABORATORY (SEL) ELECTRICAL COMPONENTS

JUSTIFICATION AND AUTHORIZATION
FOR OTHER THAN FULL AND OPEN COMPETITION
USE OF PROPRIETARY SPECIFICATIONS

WORK ORDER NO. 861119
JFY10 DPRI MAMIZU PROJECT P-J017, UTILITIES AND SITE IMPROVEMENTS, PHASE 2,
FINEGAYAN, GUAM

SCHWEITZER ENGINEERING LABORATORY (SEL) ELECTRICAL COMPONENTS

1. **IDENTIFICATION.**

Naval Facilities Engineering Command, Pacific Pearl Harbor, Hawaii.

2. **NATURE OF ACTION.**

Request approval to include proprietary specifications for 13.8 kV and 34.5 kV systems protection relays and related SCADA equipment as manufactured by Schweitzer Engineering Laboratory (SEL) for WORK ORDER NO. 861119, JFY10 DPRI MAMIZU PROJECT P-J017, UTILITIES AND SITE IMPROVEMENTS, PHASE 2, FINEGAYAN, GUAM.

3. **DESCRIPTION OF SUPPLIES/SERVICES.**

The present system protection relays and related SCADA equipment employed by both the Guam Power Authority (GPA) and the Government uses SEL, which operates only with the SEL systems. The Government needs to add SEL system protection relays and related SCADA equipment under Work Order No. 861119, DPRI Mamizu Project P-J017, Utilities and Site Improvements, Phase 2, Finegayan, Guam. The A-E firm PPDMS (Pacific Program and Design Management Services, an Architectural-Engineering Joint Venture) has prepared a Request for Proposal (RFP) for the construction of the utilities and site improvements at the proposed Finegayan Marine Corps Base (currently known as NCTS, Finegayan). Project is to construct a substation, roadways, street lights, drainage, mass grading, and installation of various utilities to include: sewer, water, power, and communications. These utilities and mass grading of the various sites are required to support the future Mamizu and US Milcon Projects that will be sited at the proposed Finegayan Marine Corps Base. Estimated construction contract cost for this project (labor and material) is \$ [REDACTED].

4. **STATUTORY AUTHORITY.**

10 U.S.C. 2304(c)(1); only one responsible source and no other supplies or services will satisfy agency requirements (FAR 6.302-1).

5. **JUSTIFICATION FOR PROPRIETARY SPECIFICATIONS.**

The Guam Power Authority (GPA) presently operates, maintains, and repairs, under an agreement with the Navy, all the 34.5 kV circuits and equipment including switchgear, protective system components and SCADA systems at NCTS Finegayan Base. The proprietary specifications for this equipment are required because the proprietary equipment will be connected to GPA power distribution protection and SCADA systems. Currently, the equipment manufactured by another manufacturer will not work with the GPA equipment because of the proprietary software and other equipment inherent to the existing system. Further, the GPA technicians and in-house personnel are fully trained in the use of the SEL equipment. Use of equipment by other manufacturers will require extensive training and

JUSTIFICATION AND AUTHORIZATION
FOR OTHER THAN FULL AND OPEN COMPETITION

SCHWEITZER ENGINEERING LABORATORY (SEL) ELECTRICAL COMPONENTS

require procurement of test equipment.

Use of other relays will require an entirely separate and redundant system, in which GPA would need to adopt. This dual system would require additional support in terms of expertise and training for the technicians that will service these systems. NAVFAC Marianas Utilities and Energy Branch is embarking on a program to install a SCADA system for the 13.8 kV distribution system. Use of relays other than SEL will make integration of the new substation extremely difficult since the SCADA system is based on SEL products.

6. FBO ANNOUNCEMENT/POTENTIAL SOURCES.

In accordance with FAR 5.2, a notice will be publicized to solicit information from as many sources as practicable. A synopsis for the project will be posted in the NAVFAC NECO and FBO websites on or about September 2010, under RFP No. N62742-10-R-0402.

7. DETERMINATION OF FAIR AND REASONABLE COST.

The estimated cost for the SEL relays and related SCADA equipment is \$██████████. The SEL relays and related SCADA equipment are commercial items subject to full and open competition.

8. DESCRIPTION OF MARKET SURVEY.

There is no other known manufacturer of relays and other SCADA related equipment other than SEL that could meet the requirement.

9. ANY OTHER SUPPORTING FACTS.

The SEL system protection relays provide multiple protection system functions including overcurrent, phase agreement, voltage agreement, differential protection, undervoltage, directional power, and synchronism. These functions serve to protect the electrical switchgear, transformers and circuits. Communications processors, remote terminal unit and transceivers serve to interface and transmit data from the multi-function protection devices to GPA equipment and systems that are located at Piti Power Plant and other GPA owned and operated sites.

Using another manufacturer's relay will result in having to stock multiple manufacturer's spare parts and systems equipment. This in turn involves having technicians trained to operate, repair, and reprogram multiple manufacturer's relays and systems. SEL relays are available through the General Services Administration (GSA) and procurement of replacement relays, components and support hardware will be simplified for future maintenance, repair and modification of the systems.

A preliminary government cost estimate showed that the replacement system would cost over \$██████████. This is only for the equipment costs and training. This does not include the respective infrastructure and housing required for a duplicate system. This alternative will have cost, operator training, and maintenance implications that will exceed the Government's minimum needs. The alternate system costing over \$██████████ is close to ten times the cost of procuring the SEL relays for the new facility. In addition to the costs, there is no current available facility to house the necessary equipment to have the dual system.

10. LISTING OF INTERESTED SOURCES.

Not applicable - no other known sources.

JUSTIFICATION AND AUTHORIZATION
FOR OTHER THAN FULL AND OPEN COMPETITION

SCHWEITZER ENGINEERING LABORATORY (SEL) ELECTRICAL COMPONENTS

11. BARRIER TO COMPETITION.

This is a one time procurement. There will be no barriers to competition for timely award other than the limitation as to the 13.8 kV and 34.5 kV systems protection relays and related SCADA equipment as manufactured by Schweitzer Engineering Laboratory (SEL) as discussed above.

12. STATEMENT OF DELIVERY REQUIREMENTS.

The contractor shall be required to commence work within 15 days after the notice to proceed and complete the contract within 835 days after the notice to proceed. The 13.8 kV and 34.5 kV systems protection relays and related SCADA equipment as manufactured by Schweitzer Engineering Laboratory (SEL) will be delivered and installed within the 835 day construction time.

13. TOTAL ESTIMATED DOLLAR VALUE OF THE ACQUISITION COVERED BY THIS J&A.

The estimated cost for the SEL relays and other SCADA equipment is \$ [REDACTED] which comprises [REDACTED] % of the total project cost of \$ [REDACTED]. Acquisition will be done using Japan Fiscal Year 2010 funds.

14. REFERENCE TO THE APPROVED ACQUISITION PLAN (AP).

Not Applicable.

15. DOCUMENTATION FOR SPARE/REPAIR PARTS ACQUISITIONS.

None will be purchased.