

September 3, 2004

Prospective Offeror

SUBJECT: Request for Proposal 5381, Amendment 3

The following questions have been submitted in regards to the subject request for proposal. Please take into consideration these questions and responses when preparing the proposal:

Q1: The technical proposal instructions state that responses to elements 1 and 2 shall not exceed 10 pages. Is it acceptable to provide reference attachments to support the technical proposal. Is this acceptable? **Answer:** Yes, this is acceptable.

Q2: Please clarify if trip report, monthly status report and work activity records (page 12 of RFP) are to be in English and Russian languages. **Answer:** The requirements for project status reporting in the Request for Proposal No. 5381 and in the Technical Specification No. 7660-01 are inconsistent. Section 13, Project Status Reporting, in the Technical Specification should be deleted. The various project management related reports identified as "Other Requirements" in the RFP are to be submitted in English language. A monthly status report is required. In addition, Section 12.3, Language Requirements, of the Technical Specification should be clarified to relate only to technical documentation, "**All technical documentation shall be supplied in both English and Russian languages.**"

Q3: Please clarify I/O quantities listed in Table 2 of the Technical Specification 7660-01 are for each diesel generator controls system, or a total for four (4) diesel generator control systems. **Answer:** The Table 1 "List of input and output signals for **two** redundant DGLS" provides **total** I/O quantities for both load sequencers.

Q4: Please clarify if I/O quantities listed in Table 2 of Technical Specification 7660-01 are for each diesel generator control system, or a total of four (4) diesel generator control systems. **Answer:** The Table 2 "List of input and output signals for **four** diesel generator control systems (excluding I/O for excitation, speed and voltage control, load sharing and protection)" provides **total** I/O quantities for four diesel generator control systems.

Q5: Please clarify quantity, type, characteristics of existing diesel engine speed sensing transducer and speed control governor/actuator; generator voltage sensing transducer, generator output current sensing transducer, generator output phase angle synchronizer and generator protection relay/devices. **Answer:** There are no speed, voltage or current transducers installed at the plant for the diesel generators. The existing system uses CT and PT outputs instead. These existing 6000 V primary 115 V secondary, 50HZ 3 phase, 4 wires voltage transformers and 500 A primary 1 A secondary current transformers are available for the new DG control system.

- The existing hydraulic speed control governor is an obsolete Russian design governor. It will be replaced with the specified Woodward type EGB13P governor.
- The existing arrangement does not have auto synchronization for DG.

- The existing DG protection includes differential protection, overcurrent protection, over- and undervoltage protection. The replacing of DG protection is not part of this project.

Please note that Contractor shall supply all sensors and transducers required for the operation of the proposed excitation and speed control systems. Contractor shall also include in the proposal a power transformer and current transformers for the proposed excitation system, and a tachometer required for DG speed control.

If you have additional questions regarding this request for proposal, please contact me by phone at (509) 375-6823, fax or (509) 375-6634 or by e-mail at tanya.smith@pnl.gov.

Thank you.

Sincerely,

Tanya L. Smith
INSP Contract

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