

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 0002		3. EFFECTIVE DATE 08-Dec-2011	4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY AFGHANISTAN DISTRICT SOUTH (AES) US ARMY CORPS OF ENGINEERS APO AE 09355		CODE W5J9LE	7. ADMINISTERED BY (If other than item 6) See Item 6	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			X	9A. AMENDMENT OF SOLICITATION NO. W5J9LE-12-T-0004
			X	9B. DATED (SEE ITEM 11) 26-Nov-2011
				10A. MOD. OF CONTRACT/ORDER NO.
				10B. DATED (SEE ITEM 13)
CODE		FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended.				
<p>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)				
The purpose of this Amendment is to:				
1.) Extend the due date of quotes until 20 December 2011 at 1300 local time, Afghanistan. 2.) Revise the Performance Work Statement. The previous version is deleted and replaced in its entirety. 3.) Revise the evaluation criteria. The previous version is deleted and replaced in its entirety. 4.) Answer questions received. See continuation page. 5.) Establish a cut-off date for questions of 13 December 2011 at 11:00AM, local time, Afghanistan.				
Offerors MUST return a signed copy of this Amendment with their submittals. The Contracting Point of Contact for this action is Lane M. Gary, lane.m.gary@usace.army.mil.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
			TEL:	EMAIL:
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	
_____ (Signature of person authorized to sign)			BY _____ (Signature of Contracting Officer)	
			16C. DATE SIGNED 08-Dec-2011	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

AMENDMENT 2-Q&A

Question 1: What is the present condition of the Generators? Is it in working mode?

Answer: All the generators are currently functioning.

Question 2: How much repair/overhauling is needed in each generator set?

See revised PWS.

Question 3: Pages 3 & 4 of the PWS detail the financial CLINs for the proposed contract, and cover unit and total price for each type of overhaul on each generator. The actual price for any engine or alternator overhaul will depend on the amount of parts that have to be replaced and this will not be known until the engine or alternator has been dismantled either for top overhaul or major overhaul. Can you please explain how the contractor can price for spare parts when this is an unknown quantity?

Answer: See revised PWS.

Question 4: Can you confirm the responsibilities of the contractor with regards to providing spare parts?

Answer: See revised PWS.

Question 5: Can you confirm the requirement mentioned on page 31 "Portable Sanitary Facilities" for an adequate hand wash units as described, is a prerequisite for a compliant proposal?

Answer: That is correct.

Question 6: Page 28 "Electrical" Para 1 implies that rewinding reinsulating and baking of insulation can be performed in temporary facilities on ANA camps in Afghanistan would you please confirm that this service is

- A) Expected of the contractor
- B) How to price this service in the CLINs

Answer: Please see revised PWS.

Question 7: The PWS states that the contractor must use temporary facilities to carry out this work on ANA Camps. We would like to submit a proposal that will mean the transportation of the generators to a depot level workshop in Afghanistan for major overhaul in a hygienic and clean facility. Would this type of proposal be acceptable?

Answer: If you can safely remove our generators and perform the work while maintaining power per the PWS, then this would be acceptable.

Question 8: "Reporting period will be the period of performance not to exceed 12 months ending 30 September of each government fiscal year and must be reported by 31 October of each calendar year." Please confirm if the duration is valid for this program as well, or suggest otherwise.

Answer: The period of performance has been estimated at up to 120 days. Your question is referring to Contractor Manpower Reporting which must be done at least every year or upon completion of the project if shorter than one year.

Question 9: (Note: In the case of an offeror without a record of relevant past performance or for whom information on past performance is not available or so sparse that no meaningful past performance rating can be reasonably assigned, the offeror may not be evaluated favorably or unfavorably on past performance (see FAR 15.305 (a)(2)(iv)). Therefore, the offeror shall be determined to have unknown past performance. In the context of acceptability/unacceptability, "**unknown**" shall be considered "acceptable.") Evaluation criteria '*unknown*' section needs further explanation (page 10, Factor 3, Past Performance acceptable rating).

Answer: Please read over FAR 15.305 (https://acquisition.gov/far/html/Subpart%2015_3.html). It discusses how the Government rates offerors without past performance.

Question 10: FAR 52.245-1, Government Property is not cited in the solicitation. Does this mean that it does not apply?

Answer: Correct.

Question 11: Have factor recommended services been maintained? Were the previous top ends completed on time according to CAT's recommendation?

Answer: Oil and filter changes have been performed regularly. There have been no previous top end overhauls.

Question 12: Will assets such as a 5000lb forklift and a thirty-ton crane be available if the engines require removal from the housing?

Answer: No.

Question 13: If the crankshaft is inspected and found to be within tolerance, would an in frame be acceptable?

Answer: Yes. Also, please see revised PWS.

Question 14: Will replacement fluids such as oil and coolant be provided?

Answer: USACE has an O&M contract in place for regular oil changes and oil is available. Coolant of this age might be able to be reused. Fluids not used for regular maintenance are not Government-furnished.

Question 15: Does the contractor need to provide a medic and site security?

Answer: They will not be Government-furnished. There is no requirement for them outlined in the solicitation.

Question 16: Can the period of performance be extended if major overhauls are required?

Answer: The Government would consider a request for extensions if the circumstances justified it.

Question 17: Will an alternate proposal be accepted.

Answer: A proposal that meets the requirements of the solicitation will be considered. Proposals that add conditions and assumptions that contradict with the solicitation would be found unacceptable. Please note that this is a lowest price technically acceptable (LPTA) requirement and technical approach is not an evaluation factor.

SECTION SF 1449 - CONTINUATION SHEET

SOLICITATION/CONTRACT FORM

The required response date/time has changed from 15-Dec-2011 11:00 AM to 20-Dec-2011 01:00 PM.

The following have been modified:

EVALUATION FACTORS

EVALUATION FACTORS:

Submittals will be evaluated in accordance with the below evaluation factors and criteria. Offerors are reminded to include their best technical and price terms in their initial submittal and not to automatically assume that they will have an opportunity to participate in discussions or be asked to submit a revised quote. The Government reserves the right to make an award without discussions, unless discussions are deemed necessary by the Government.

Volume I – Technical and Performance Capability

Factor 1	Experience
Factor 2	Personnel
Factor 3	Past Performance

Volume II - Price

Factor 4	Standard Form 1449
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4.1 Volume I – Technical and Performance Capability

4.1.1 Factor 1 – Experience

4.1.1.1 Factor 1 - Submission Requirements

The Government will evaluate the offeror's prior experience as either a prime contractor or significant sub-contractor.

Each offeror shall complete a minimum of two (2), but no more than three (3), project 'Contractor Experience' form(s), attached at the end of this RFQ, (Form A), for each project submitted. All blocks must be filled-in and all data must be accurate, current, complete, and in English. The Government will not translate documents submitted in languages other than English. Submission requirements for experience are:

- a. If claiming Prime Contractor Experience, a Prime Contractor must have self-performed, on site at least 25% of the direct contract labor, exclusive of other general condition or field overhead personnel, material, equipment, design or subcontractors for projects submitted to demonstrate its experience. If claiming significant subcontractor experience, the contractor must have performed at least 40% of the requirement.
- b. EACH project provided to demonstrate experience must have an awarded contract value of at least \$500,000.00 (USD).

- c. AT LEAST ONE (1) of the projects used to demonstrate experience must have been performed in Iraq or Afghanistan within the last 5 years from the date of the RFQ.
- d. AT LEAST TWO (2) Projects used to demonstrate experience (and completed within the last 5 years from the date of this RFQ) must demonstrate experience in the following activity:
 - (i) Generator overhaul services of Caterpillar generators (or equivalent) of similar size generators to those included in this requirement.
- e. An individual task order of a Multiple Award Task Order Contract (MATOC) may be submitted as a single project to demonstrate experience as defined in Section 4.1.1.1 a-d. Combining contract values of individual task orders of a MATOC is not allowed to meet criteria 4.1.1.1 – b above.

NOTE: The Prime Contractor is defined as the contractor identified in Block 17a of the Standard Form 1449. For United States contractors, the joint venture shall be registered in the Central Contractor Registration (CCR).

4.1.1.2 Factor 1 - Evaluation Criteria

“Acceptable” Rating:

Submittal clearly meets the minimum requirements of the RFQ.

“Unacceptable” Rating

Submittal does not clearly meet the minimum requirements of the RFQ.

4.1.2 Factor 2 – Personnel

4.1.2.1 Factor 2 - Submission Requirements

Either use the enclosed Form B or provide detailed resumes or curriculum vitae (CV) for the following key personnel (note, key personnel resumes shall not exceed two pages per key personnel):

- a. Project Manager
- b. Superintendent/Foreman
- c. Quality Control Manager

The individuals identified above shall have:

- Minimum of four (4) years of relevant experience in their assigned job position. Evidence of relevant experience can be documented by the submittal of resumes/CV or a narrative providing a detailed work history. Contact information for past employers must be provided and be current.

NOTE: Identified personnel must be used on the project. Any substitution of identified persons will not be permitted without prior approval of the Contracting Officer. Identification of two individuals proposed for a single position will result in the evaluation of only the least qualified person.

4.1.2.2 Factor 2 - Evaluation Criteria

“Acceptable” Rating

Submittal clearly meets the minimum requirements of the RFQ.

“Unacceptable” Rating

Submittal does not clearly meet the minimum requirements of the RFQ.

4.1.3 Factor 3 – Past Performance

4.1.3.1 Factor 3 - Submission Requirements

Offerors should submit two (2) or more performance appraisals (i.e. CPARS reports), detailed evaluations by commercial or Governmental customers, or any other documentary evidence that the offeror believes will affirmatively demonstrate its commitment to customer satisfaction and superior performance for similar type work. Letters of recommendation that reference a specific and related project of similar size can replace up to one (1) of the required two performance appraisal requirements. All referenced individuals should be able to be contacted during the evaluation process. It is not the Government’s responsibility to track down referenced individuals.

If the offeror meets the above submittal thresholds, they are not required to submit a separate Past Performance Questionnaires.

If CPAR information or other evidence as outlined above is not available, the offerors shall provide completed Past Performance Questionnaires (PPQs) to meet the submittal requirements. The forms are attached at the end of this section (Form C) and must be provided per the following guidance:

- a. The PPQ with Part I completed by the offeror will be included in the offeror’s proposal.
- b. For each PPQ included in the offeror’s proposal, the offeror will identify the point of contact (respondent) performing the evaluation in part II. This identification will

consist of the name, organization (company), phone number, and email address of the respondent.

- c. The respondent must be familiar with the project, but not affiliated with the offeror.
- d. The respondent must be able to provide an independent evaluation of the offeror's performance on the referenced project.
- e. The completed PPQ should be returned to the Government directly by the respondent to the email address identified in Part III of the PPQ. Offerors can directly return completed PPQs to the Government, but the forms must contain all required information, must have been completed and signed by the independent evaluator (not affiliated with the offeror), and must be verifiable by the Government. One example would be PPQs previously completed and submitted for previous related USACE projects.

It is the offeror's responsibility to ensure the Government will be able to contact the points of contract using the contact information provided. Offerors are encouraged to send requests to their points of contact as soon as possible. It is the offeror's responsibility to ensure that PPQs are submitted to the Government by the due date.

The Government reserves the right to use past performance information obtained from sources other than those identified by the offeror. The Government may not obtain information from any or all of the listed contract references and/or may not contact all of the identified points of contact.

4.1.3.2 Factor 3 - Evaluation Criteria

“Acceptable” Rating

Based on the offeror's performance record, the Government has a reasonable expectation that the offeror will successfully perform the required effort, or the offeror's performance record is unknown.

Note: In the case of an offeror without a record of relevant past performance or for whom information on past performance is not available or so sparse that no meaningful past performance rating can be reasonably assigned, the offeror may not be evaluated favorably or unfavorably on past performance (see FAR 15.305 (a)(2)(iv)). Therefore, the offeror shall be determined to have unknown past performance. In the context of acceptability/unacceptability, “unknown” shall be considered “acceptable.”

However, an offeror who simply neglects to include any relevant past performance information will have its quote deemed “unacceptable.”

“Unacceptable” Rating

Based on the offeror's performance record, the Government has no reasonable expectation that the offeror will be able to successfully perform the required effort.

4.2 Volume II – Price

4.2.1 Factor 4 – Price (SF 1449)

Price will be evaluated and considered but will not be rated. The Government will evaluate pricing submittals to determine whether the offered price is reasonable. It will also be analyzed to determine whether it is complete, realistic for the work to be performed, is balanced, and reflects a clear understanding of the RFQ requirements and the requirements and complexities of performing work in Afghanistan.

BASIS FOR AWARD:

Factors 1 through 3 of above will be rated acceptable or unacceptable. Factors 1-3 are equal in importance. Award will be made to the offeror whose submittal is found to be acceptable for Factors 1-3 and who offers the lowest price, inclusive of options. Offerors must be found acceptable for all of the technical factors to be considered for award.

IMPORTANT NOTE: There is a 20 page limitation on Volume I submittals. Single-space, one-sided paper, and readable font of Times New Roman font size 12, or equivalent. Submittals exceeding this limit will only be evaluated on the first 20 pages received and the remaining pages will be deleted. For Volume II, there is no page limitation, but technical information, photos, licenses, etc. that are inserted into Volume II and are unrelated to price will be deleted and not evaluated by the Government.

Form A**CONTRACTOR EXPERIENCE FORM**

1. Project name and location (City, State, Country)	
2. Project owners name (Government Agency, commercial firm or other organization)	
3. Project owners complete address	
4. Were you the Prime Contractor? YES NO Percentage of work that was self-performed? _____%	
5. Contract number of project	6. Date of contract
7. Date work began	8. Completion Dates: Initial: _____ Actual: _____
9. Project Completion Percentage (%)	
8. Contract Value at Time of Award	9. Final invoiced amount (or amount invoiced to date)
10a. English speaking Technical point of contact for the Project Owner (name, title, e-mail address, phone number)	10b. English speaking Contracting point of contact of the Project Owner (name, title, e-mail, phone number)

11. Description of contract work -describe DETAILED nature and scope of work. Detail how project demonstrates experience requirements in the RFQ. Also include explanation of any performance problems or other conflicts with the customer. (Offerors will be evaluated for the ability to provide timely, complete work; be certain to explain any differences between the initial and actual completion dates in block 8.) Use continuation sheet for additional information, if necessary.

12. Current status of the project (check one)

- Work continuing, on schedule
- Work continuing, behind schedule
- Work completed, no further action pending
- Work completed, routine administrative action pending
- Work completed, claims negotiation pending/underway
- Work completed, litigation pending/underway
- Terminated for convenience
- Terminated for default
- Other (Explain, use additional sheets as necessary)

Form B

PERSONNEL RESUME / EXPERIENCE FORM

NOTE

- Key personnel resumes shall not exceed two pages per key personnel
- Attach separate documentation of full time employment or letter of intent
- Attach separate documentation of college degree (photocopy, transcript, etc)

Name: _____

Title: _____

Name of your firm: _____

Number of years with this firm _____

Number of years with other firms _____

Number of years in field of work _____

Education

Degree(s) _____

Year(s) awarded _____

Specialization: _____

Registration/Accreditation

YES No. _____ Country/State _____ Year _____

NO

Your assignment on this project _____

Experience and qualifications relevant to this project

Include a POC with phone number for the two most recent projects described:

PROJECT #1

Project name and location: _____

General scope of project: _____

Your role in the project and a description of the duties you performed: _____

POC for reference (name and phone number):

Name: _____

Telephone Number: _____

PROJECT #2

Project name and location: _____

General scope of project: _____

Your role in the project and a description of the duties you performed: _____

POC for reference (name and phone number):

Name: _____

Telephone Number: _____

PROJECT #3

Project name and location: _____

General scope of project: _____

Your role in the project and a description of the duties you performed: _____

PROJECT #4

Project name and location: _____

General scope of project: _____

Your role in the project and a description of the duties you performed: _____

FORM C**PAST PERFORMANCE QUESTIONNAIRE**

- *Part I of this form is to be completed by the Offeror*
- *Part II of this form is to be completed by a POC, Point of Contact (respondent)*

Notation to the Point of Contact:

Please provide your candid responses. The information that you provide will be used in the awarding of federal contracts. Therefore, it is important that your information be as factual, accurate and complete as possible to preclude the need for follow up by the evaluators. If you do not have knowledge of or experience with the company in question, please forward this questionnaire to the person who does.

Return Information

Please return this completed performance questionnaire prior to the solicitation due date via email to lane.m.gary@usace.army.mil with a courtesy copy to tas.contractingservices@usace.army.mil.

PART I (Part I is to be completed by the Offeror)**A. Contract Identification**

Contractor: _____

Company Name / Division: _____

Address: _____

Contract/Project Identification/Title: _____

Contract Number: _____

Contract Type: _____

Prime Contractor Name (if different from the contractor name cited above): _____

Contract Award Date: _____

Forecasted or Actual Contract Completion Date: _____

Nature of the Contractual Effort: _____

B. Identification of Offeror's Representative

Name: _____

Title: _____

Date: _____

Telephone number: _____

Fax number: _____

Email address: _____

Address: _____

PART II – Evaluation (Part II is to be completed by Point of Contact - Respondent)

A. Compliance of products, services, documents, and related deliverables to specification requirements and standards of good workmanship

Select one:

- Exceeds contractual requirements (explanation must be provided in comments field below)
- Meets contractual requirements
- Failed to meet contractual requirements (explanation must be provided in comments field below)

Comments:

B. Effectiveness of project management (to include use and control of subcontractors)

Select one:

- Exceptional (explanation must be provided in comments field below)
- Satisfactory
- Unsatisfactory (explanation must be provided in comments field below)

Comments:

C. Timeliness of performance for services and product deliverables

Select one:

- Exceeds contractual requirements (explanation must be provided in comments field below)
- Meets contractual requirements
- Failed to meet contractual requirements (explanation must be provided in comments field below)

Comments:

D. Effectiveness in forecasting and controlling project cost

Select one:

- Exceptional (explanation must be provided in comments field below)
- Satisfactory
- Unsatisfactory (explanation must be provided in comments field below)

Comments:

E. Commitment to customer satisfaction and businesslike concern for its customers' interests

Select one:

- Exceptional (explanation must be provided in comments field below)
- Satisfactory
- Unsatisfactory (explanation must be provided in comments field below)

Comments:

F. Overall satisfaction

Select one:

- Exceptional (explanation must be provided in comments field below)
- Satisfactory
- Unsatisfactory (explanation must be provided in comments field below)

Comments:

G. General comments; provide any other relevant performance information

Comments:

H. Other information sources; please provide the following information

Are you aware of other relevant past efforts by this company?

- Yes
- No

If yes, please provide the name and telephone number of appoint of contact.

Name _____

Telephone number _____

I. Respondent identification – please provide the following information:

Respondent's name: _____

Respondent's signature: _____

Respondent's organization: _____

Respondent's title: _____

Telephone number: _____

Fax or Email: _____

Address: _____

PERFORMANCE WORK STATEMENT**PERFORMANCE WORK STATEMENT (PWS)**

***ANA Generator Overhauls, Camp Zafar, Herat Province
Also, Camp Eagle and Camp Hero, Kandahar Province***

6 Dec 2011

1.0 GENERAL

This project is for overhaul work to the generators described below located at Camp Eagle, Qalat District, Zabul Province; Camp Hero, Kandahar District, Kandahar Province; and Camp Zafar, Guzara District, Herat Province. Site coordination will be provided to the contractor at the post award conference. All services shall be performed in strict accordance with the specifications as described in the Performance Work Statement, and subject to the other terms and conditions as described herein

1.1 SCOPE

The contractor is to provide a cylinder head overhaul (2nd Interval) and all associated operations, repairs, and testing per the manufacturer's recommendations to the generators in Power Plant #1 at Camp Eagle, Power Plant #1 at Camp Hero, and Power Plant #1 at Camp Zafar. See Appendix A for a list of inspection items. See Attachment 1 for listing of generators.

There are six (6) Caterpillar 3512B series generators in the Afghan National Army (ANA) Camp Eagle's PP#1 with the run times shown below. See Attachment 1 for manufacturer and model of each generator. A summary of the generator operating hours as of Oct 2011 are shown below:

GEN #1 – 18,057 hrs	GEN #4 – 17,610 hrs
GEN #2 – 17,776 hrs	GEN #5 – 17,611 hrs
GEN #3 – 17,965 hrs	GEN #6 – 17,770 hrs

There are four (4) Caterpillar 3512B series generators in the Afghan National Army (ANA) Camp Hero's PP#1 with the run times shown below. See Attachment 1 for manufacturer and model of each generator. A summary of the generator operating hours as of Oct 2011 are shown below:

GEN #2 – 17,050 hrs	GEN #5 – 14,718 hrs
GEN #3 – 18,570 hrs	
GEN #4 – 16,370 hrs	

There are six (6) Caterpillar 3512 series generators in the Afghan National Army (ANA) Camp Zafar's PP#1 with the run times shown below. See Attachment 1 for manufacturer and model of each generator. A summary of the generator operating hours as of Oct 2011 are shown below:

GEN #1 – 15,750 hrs	GEN #4 – 11,217 hrs
GEN #2 – 9,507 hrs	GEN #5 – 16,542 hrs

GEN #3 – 13,797 hrs	GEN #6 – 13,465 hrs
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Appendix A:

Cylinder Head Overhaul: - Tasking may include, but is not limited to the following: Perform all of the operations, repairs, and testing per the manufacturer's recommendation. Contractor is responsible for replacement up to 25% of items. If over 25% of items require replacement, the contractor must consult with the Contracting Officer's Representative.

Mechanical:

A. Cylinder heads (each) - removal, cleaning, disassembly, inspection, testing and as-required refurbishment or replacement.

- Rocker arms
- Rocker arm shafts
- Inlet and exhaust valves
- Valve bridges (if applicable)
- Valve bridge locating studs
- Valve guides
- Valve springs
- Valve spring caps, rotators, keepers
- Valve seats
- Fuel gallery leak test
- Cylinder head inspection, hydrostatic test and NDT (Dye-penetrant or Magnetic Particle inspection)

B. Other generator systems – cleaning, inspection and as-required refurbishment, to include the following:

- Disassemblies of a limited number of cylinder components (pistons/liners/con-rod bearings) to determine wear progression/need for further investigation.
- Replace all fuel injectors
- Fuel injector calibration
- Fuel injection pump calibration to include throttle leakage
- Vibration damper
- Water pump (s)
- Cold Starting Adds (heaters, glow plugs, etc.)
- Heating system (oil or coolant)
- Fan Idle pulley tensioner
- Engine shutdown system
- Clean entire engine

- Replace all thermostat
- Replace all engine belts
- Inspect all turbo chargers
- Grease generator bearings

Major component items such as the (alternator, turbochargers, radiator, fan motors, etc.) shall be inspected to ensure all generator systems are addressed appropriately.

C. Engine controls/sensors:

- Cleaning and inspection

D. Main circuit breaker:

- Cleaning, inspection, testing and as-required refurbishment or replacement of up to 25% of components of Breaker assembly -Bus bar/connection lugs -Cabling - Solenoid(s) -Charging motor

E. Alternator and associated controls/sensors:

- Cleaning and inspection

F. Wiring harnesses (looms):

- Cleaning, inspection, and secure against damages.

G. Generator electronic command controller:

- Cleaning and inspection

Special Note: When the generator is opened it may become necessary to perform a “bottom end” or Major Overhaul. In this case, the Government may exercise any of the options individually, some, or all of the Options included in the original pricing schedule at any time during the period of performance.

Option A is Camp Eagle’s Afghan National Army (ANA) PP#1:

Major overhaul (Option A)	
GEN #1 – 1056KW	GEN #4 – 1056KW
GEN #2 – 1056KW	GEN #5 – 1056KW
GEN #3 – 1056KW	GEN #6 – 1056KW

Option B is Camp Hero’s Afghan National Air (ANA) PP#1.

Major overhaul (Option B)	
GEN #2 – 1056KW	GEN #5 – 1056KW
GEN #3 – 1056KW	
GEN #4 – 1056KW	

Option C is Camp Zafar’s Afghan National Air (ANA) PP#1.

Major overhaul (Option C)	
GEN #1 – 1056KW	GEN #4 – 1056KW
GEN #2 – 1056KW	GEN #5 – 1056KW
GEN #3 – 1056KW	GEN #6 – 1056KW

See appendix B for a list of inspection items below.

Appendix B:

MAJOR OVERHAUL:

Mechanical:

A. Pistons, connecting rods, cylinder liners - cleaning, disassembly, inspection, testing and as-required refurbishment or replacement.

B. Crankshaft/main bearings – cleaning, inspection and as-required refurbishment or replacement, including:

- Journal/fillet condition
- Thrust face condition
- Measurement of journals
- Wear sleeves
- Main bearing caps and bolts
- Vibration damper
- Drive gear(s)
- Flywheel, including ring-gear
- Drive plates for alternator

C. Cylinder block – cleaning, inspection and as-required refurbishment,

- Inspection of mating/sealing surfaces for trueness, cracks, corrosion or fretting wear
- Replacement of camshaft bushings
- Replacement of seals
- Hydrostatic testing
- Inspection/replacement of locating pins and studs
- Cleaning of all oil/fuel galleries
- Cleaning/inspection of piston cooling oil nozzles
- Inspection of all studs and tappings
- Inspection of coolant galleries (corrosion/deposits)

D. Gear Train(s) – Inspection, and as-required refurbishment, or replacement of gears, including associated bearings and bushings. Gears on driven components will be included.

E. Camshafts/Valve Train – Inspection and as-required refurbishment, including: of bearing

journals, drive gear and lobes for wear/damage.

- Cam journals and lobes
- Bushings and shafts
- Levers/Rollers/Pins
- Push rods

F. Cooling system - Cleaning, inspection, testing and as-required refurbishment or replacement of cooling system components, including: Radiator or Water pumps (Jacket and Aftercooler, if appropriate)

- Water pump drive adapter (if used)
- Oil cooler(s)
- Aftercooler cores
- Aftercooler heat exchanger(s)
- Temperature regulators/thermostats
- Valves

G. Water treatment accoutrements: - Inspection/refurbishment of fan drive components, including:

- Bearings o Shafto Grease fittings
- Sheave(s)
- Fan hubs and blades
- Tensioners
- Idlers
- Fan shrouds and guards
- Cleaning of all air ducting
- Replacement of all gaskets, seals, belts and hoses

H. Lubrication system:

- Cleaning, inspection and as-required refurbishment or replacement of system components
- Pump/Pressure relief valve(s)
- Filter heads
- Piping
- Piston cooling nozzles
- Replacement of all gaskets, seals and hoses

I. Fuel system:

- Cleaning, inspection and as-required refurbishment or replacement of fuel system components
- Supply (lift) pump
- Filter heads
- Piping

- Fuel/water separator
- Cooler/ Injection pump
- Injectors (atomizers)
- Relief valves
- Pressure/volume control orifices
- Manifolds/valves
- Installed fuel tank, if in use
- Replacement of all gaskets, seals, fuel injectors, and hoses

J. Combustion air system:

- Cleaning, inspection and as-required refurbishment of air system components, including
 - Air cleaner(s)
 - Turbocharger(s)
 - Air ducting
- Replacement of all gaskets, seals and hoses
- Testing/replacement of air filter restriction indicator(s)

K. Exhaust system - Inspection and as-required refurbishment or replacement of system components, including:

Note: No asbestos will be used in refurbishment actions

- Exhaust manifold o Gaskets and sealing rings
- Exhaust piping and silencers
- Flexible joints o Insulation/heat shields
- Support brackets
- Rain caps and collars, if installed
- Replacement of all gaskets and seals
- Corrosion control and repainting

Electrical:

Perform all of the operations, repairs, and testing per the per the manufacturer's recommendations. These appendices are items to be looked at and evaluated and are not all inclusive. The contractor shall obtain the latest manufacturers manuals for the exact model generator defining the specific requirements for engine overhaul, including startup and commissioning procedures.

Before work commences the contractor submittal package shall consist of:

1. Manufacturer manuals for overhauling requirements for a complete generator overhaul, including the engine and the alternator. These manuals will be the basis of performance for project scope and completion.
2. A project schedule indicating when each generator will be overhauled.

The contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, labor, and any other items and non-personal services necessary to perform

No more than one generator at a facility may be worked on at a time. No generator shall be overhauled unless it is in operating condition at the time work begins and it has been verified by the COR the unit needs overhauled.

Special Note: If after the commencement of work and the opening of the units, the contractor believes the unit to be non-repairable or unserviceable (service and repair costs exceed 75% of the cost a replacement), he shall notify the COR and the Contracting Officer in writing.

1.2 PERIOD OF PERFORMANCE:

Reference the Delivery Information section that will be in the SF 1449 award for the specific period of performance. The Period of Performance is estimated at 120 days from date of award.

1.3 ENGLISH LANGUAGE REQUIREMENTS

All information shall be presented in English. The Contractor shall have a minimum of one (1) English-speaking representative to communicate with the COR at all times when work is in progress.

1.4 ENVIRONMENTAL PROTECTION

1.4.1 APPLICABLE REGULATIONS

The Contractor shall comply with all Host Nation laws, rules, regulations or standards concerning environmental pollution control and abatement with regard to discharge of liquid waste into natural streams or manmade channels. The Contractor shall review host nation and U.S. Government environmental regulations with the Contracting Officer prior to design and discharge of any liquid wastes into natural streams or manmade channels.

1.4.2 NOTIFICATION

The Contracting Officer will notify the Contractor in writing of any observed non-compliance with the foregoing provisions. The Contractor shall immediately take corrective action. If the Contractor fails or refuses to promptly take corrective action, the Contracting Officer may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No extension of time or damages will be awarded to the Contractor unless it was later determined that the Contractor was in compliance.

1.4.3 SPILLAGES

Measures shall be taken to prevent chemicals, fuels, oils, greases, bituminous materials, waste washings, herbicides and insecticides, and construction materials from polluting the construction site and surrounding area.

Contractor will be responsible for any cleanup costs in the event of contamination, including improper disposal.

1.4.4 DISPOSAL

The Contractor is responsible for properly disposing all waste material resulting from this project. Disposal of any materials, wastes, effluents, trash, garbage, oil, grease, chemicals, etc., shall be subject to the approval of the Contracting Officer. Burning at the project site for the disposal of waste and debris will not be permitted.

1.5 ACRONYMS:

ACOR	Alternate Contracting Officer's Representative
AFARS	Army Federal Acquisition Regulation Supplement
AR	Army Regulation
CCE	Contracting Center of Excellence
CFR	Code of Federal Regulations
CLIN	Contract Line Item Number
CONUS	Continental United States (excludes Alaska and Hawaii)
COR	Contracting Officer Representative
COTR	Contracting Officer's Technical Representative
COTS	Commercial-Off-the-Shelf
DA	Department of the Army
DD250	Department of Defense Form 250 (Receiving Report)
DD254	Department of Defense Contract Security Requirement List
DFARS	Defense Federal Acquisition Regulation Supplement
DMDC	Defense Manpower Data Center
DOD	Department of Defense
FAR	Federal Acquisition Regulation
HIPAA	Health Insurance Portability and Accountability Act of 1996
HVAC	Heating, Ventilation, and Cooling
IJO	Individual Job Order
KO	Contracting Officer
OCI	Organizational Conflict of Interest
OCONUS	Outside Continental United States (includes Alaska and Hawaii)
ODC	Other Direct Costs
PIPO	Phase In/Phase Out
POC	Point of Contact
PRS	Performance Requirements Summary
PWS	Performance Work Statement
QA	Quality Assurance
QAP	Quality Assurance Program
QASP	Quality Assurance Surveillance Plan
QC	Quality Control
QCP	Quality Control Program

TE Technical Exhibit

1.6 GOVERNMENT FURNISHED ITEMS AND SERVICES:

Services: The Government will not provide any services under this contract.

Facilities: The Government will not provide any facilities under this contract.

Utilities: The Government will not provide any utilities under this contract.

Equipment: The Government will not provide any equipment under this contract.

Materials: The Government will not provide any materials under this contract.

1.7 TEMPORARY STRUCTURES

The Contractor shall erect suitable temporary facilities, lighting, and necessary structures to safeguard the site, materials and plant against damage or theft and for the protection of the general public and shall adequately maintain the same throughout the course of the contract.

1.7.1 PROJECT CHECKLISTS

The Contractor shall provide completed checklists based on manufacturer requirements from the manufacturer manuals to verify completion of items for each generator submitted to the COR upon completion of the work.

1.7.2 OPERATING INSTRUCTIONS

The Contractor shall provide revised operating instructions if changes have been made in the design and operation of the generators, synchronizing equipment, load bank, and other associated equipment. The Contractor shall submit these revised instructions to the COR for approval.

1.8 LIMITATIONS OF WORKING SPACE

The Contractor shall, except where required for service connections or other special reason(s), confine his operations strictly within the boundaries of the site. Workers will not be permitted to trespass on adjoining property. Any operations or use of space outside the boundaries of the site shall be by arrangement with all interested parties. It must be emphasized that the Contractor must take all practical steps to prevent his workers from entering adjoining property and in the event of trespass occurring the Contractor will be held entirely responsible. Areas located immediately outside the construction area are known to contain mines and unexploded ordnance (UXO). Contractors assume all risks when venturing in or out of the designated work areas.

1.9 UNEXPLODED ORDANCE (UXO) – MINE REMOVAL AND CLEARANCE

UXO-mine removal and clearance is not required.

1.10 PORTABLE SANITARY FACILITIES

Contractor shall furnish and install portable latrine units with hand-sanitizer dispenser at site location(s). Portable latrines shall be mix of western and eastern style units. Mix shall be determined by Contracting Officer.

Contractor shall furnish and install adequate hand-wash units at site location(s). Each wash unit shall consist of a basin, foot controlled wash water dispenser, hand soap dispenser, and towel dispenser.

1.11 EQUIPMENT REQUIREMENTS

Unless noted otherwise, all material and equipment used shall be of the same model and type as that already installed. Material and equipment installed under this contract shall be for the appropriate application and installed in accordance with manufacturers recommendations. Items or equipment from local suppliers or manufacturers not meeting these requirements must be approved by the Contracting Officer.

Major components of equipment shall have the manufacturer's name, address, type or style, and part number attached to it. All equipment delivered and placed in storage, prior to installation, shall be protected from the weather, humidity and temperature variation, dirt and dust, and any other contaminants. All equipment supplied by the Contractor shall be in new condition, undamaged and unused.

1.11.1 DELIVERY, STORAGE, AND HANDLING

Deliver equipment and material required for this project to their final locations in protective wrappings, containers, and other protection that will exclude dirt and moisture and prevent damage from construction operations. Remove protection only after equipment is safe from such hazards.

1.12 SUBMITTALS

Within 30 days of award, the contractor shall submit the following:

- a. All manufacturer's manuals describing the requirements for generator overhaul including engine overhaul, alternator overhaul, and commissioning. The manuals shall be specific to the model of each generator.

1.13 APPLICABLE STANDARDS

The latest edition of the following codes and technical criteria and those referenced herein shall be required for this project. References within each reference below shall be required and adhered to. This list is not exhaustive and is not necessarily complete.

ASME - American Society for Mechanical Engineering

ASTM - American Society for Testing and Materials

AWS - American Welding Society

IEEE C2, National Electrical Safety Code (NESC)

IFGC – International Fuel Gas Code

Codes and Standards of the National Fire Protection Association (NFPA)

National Electrical Safety Code (NESC)

Institute of Electrical and Electronic Engineers (IEEE C2)

British Standards 7671, Latest Edition

NFPA 70, National Electrical Code

NFPA 110, Standard for Emergency and Standby Power Systems

NFPA 30, Flammable and Combustible Liquids Code

NFPA 90A, Air Conditioning and Ventilating Systems,
NFPA 37
IFGC – International Fuel Gas Code
IMC – International Mechanical Code
IPC – International Plumbing Code
IEEE C2, National Electrical Safety Code (NESC)
TM 5-805-4 Noise and Vibration
TM 5-811-1 Electrical Power Supply and Distribution
UFC 3-540-04N Design: Diesel Electric Generating Plants
UFC 3-550-03FA Design: Electrical Power Supply and Distribution System
ACI 301M Specifications for Structural Concrete (latest edition), American Concrete Institute
ACI 318 Building Code Requirements for Structural Concrete (latest edition), American
Concrete Institute
American Institute of Steel Construction (AISC), Specifications for Structural Steel Buildings
ARI - Air Conditioning and Refrigeration Institute
ASCE 7, Minimum Design Loads for Buildings and Other Structures
ASHRAE - American Society of Heating, Refrigeration and Air-Conditioning
ASHRAE Standard 62.1-latest edition, Ventilation for Acceptable Indoor Air Quality
ASME - American Society for Mechanical Engineering
ASTM - American Society for Testing and Materials
AWS D1.1, Structural Welding Code – Steel (latest edition), American Welding Society
NFPA 1, General Fire Protection
TM 5-811-1 Electrical Power Supply and Distribution
UFC 1-200-01, Design: General Building Requirements
UFC 1-300-07A Design Build Technical Requirements
UFC 1-300-09N, Design Procedures
UFC 3-310-01, Structural Load Data
UFC 3-410-01FA Heating, Ventilating and Air Conditioning
UFC 3-410-02A, HVAC Control Systems,
UFC 3-410-04N, Industrial Ventilation
UFC 3-430-01FA, Heating and Cooling Distribution Systems
UFC 3-460-01, Petroleum Fuel Facilities,
UFC 3-501-03N, Electrical Engineering Preliminary Considerations
UFC 3-520-01, Interior Electrical Systems
UFC 3-540-04N Design: Diesel Electric Generating Plants
UFC 3-550-03FA Design: Electrical Power Supply and Distribution Systems
UFC 4-020-03, Security Engineering: Fences, Gates, and Guard Facilities
Applicable UL Standards
Unified Facility Criteria (UFC) is available online at:
http://www.wbdg.org/ccb/browse_cat.php?o=29&c=4

Standards other than those mentioned above may be accepted if the standards chosen are internationally recognized and meet the minimum requirements of the specified standards. The Contractor shall be prepared to submit proof of this if requested by the Contracting Officer.

Attachment 1-

Camp Eagle ANA Facility					
Gen Set Nbr	Manufacturer	Model #	Serial #	K. Watt	KVA
Gen #1	Caterpillar	3512B	6DW01732	1056	1320
Gen #2	Caterpillar	3512B	6DW01736	1056	1320
Gen #3	Caterpillar	3512B	6DW01734	1056	1320
Gen #4	Caterpillar	3512B	6DW01733	1056	1320
Gen #5	Caterpillar	3512B	6DW01735	1056	1320
Gen #6	Caterpillar	3512B	6DW01737	1056	1320
Camp Hero ANA Facility					
Gen Set Nbr	Manufacturer	Model #	Serial #	K. Watt	KVA
Gen #2	Caterpillar	SR4B / 3512B	CAT00000VCMC01370	1056	1320
Gen #3	Caterpillar	SR4B / 3512B	CAT00000CCMC01358	1056	1320
Gen #4	Caterpillar	SR4B / 3512B	CAT00000VCMC01384	1056	1320
Gen #5	Caterpillar	SR4B / 3512B	CAT00000LCMC01372	1056	1320
Camp Zafar ANA Facility					
Gen Set Nbr	Manufacturer	Model #	Serial #	K. Watt	KVA
Gen #1	Caterpillar	3512	CMCO1383	1056	1320
Gen #2	Caterpillar	3512	CMCO1356	1056	1320
Gen #3	Caterpillar	3512	CMCO1382	1056	1320
Gen #4	Caterpillar	3512	CMCO1379	1056	1320
Gen #5	Caterpillar	3512	CMCO1373	1056	1320
Gen #6	Caterpillar	3512	CMCO1364	1056	1320

--END OF SECTION--

(End of Summary of Changes)