

ALASKA ENERGY AUTHORITY

Date: October 9, 2020

Project: **Emergency Inventory
Maintenance Engines**

Solicitation No.: 21036

Addendum No. One

TO ALL PLANHOLDERS:

The enclosed addendum amends the bid documents for the above referenced Project.

Acknowledgment of this addendum is required on the Proposal Form. Failure to do so may subject the bidder to disqualification.

Sincerely,



Lois Lemus
Contracting Officer

ADDENDUM TO CONTRACT DOCUMENTS	Page Number 1	No. of Pages Four
Addendum No. ONE	Date Addendum Issued: October 9, 2020	
Issuing Office Lois Lemus Alaska Energy Authority 813 W Northern Lights Blvd Anchorage, AK 99503 Phone: (907) 771-3909 Fax: (907) 771-3044	Previous Addenda Issued NONE	
Project: Emergency Inventory Maintenance Engines Solicitation No.: 21036	Date and Hour Bids Due: October 15, 2020 at 2:00 p.m., prevailing Anchorage time.	

NOTICE TO BIDDERS:

Bidders must acknowledge receipt of this addendum prior to the hour and date set for the bid due date by one of the following methods:

- (a) By acknowledging receipt of this addendum on the proposal form submitted.
- (b) By email or telefacsimile which includes a reference to the project and addendum number.

The bid documents require acknowledgment individually of all addenda to the drawings and/or specifications. This is a mandatory requirement and any bid received without acknowledgment of receipt of addenda may be classified as not being a responsive bid. If, by virtue of this addendum it is desired to modify a bid already submitted, such modification may be made by email or telefacsimile provided such an email or telefacsimile makes reference to this addendum and is received prior to the opening hour and date specified above.

The Bid documents for the above project are amended as follows (All other terms and conditions remain unchanged):

QUESTIONS AND ANSWERS

- 1) **Question:** Section 2.11 FOB Point, The FOB point for this ITB is listed as “anywhere within the State of Alaska” we assume delivery will be at AEA’s Commercial Drive warehouse in Anchorage is that correct.

Answer: Delivery will be to AEA’s warehouse at 2601 Commercial Drive, Anchorage, AK 99501 contact Justin Tuomi, 907-771-3093, before delivery to make sure the warehouse is open and available for deliveries.

- 2) **Question:** Section 26 32 13.10 Specific Engines.
1.2 E “A torsional vibration analysis (TVA) shall be provided for each of the proposed engines within 14 days of contract award.”

TVA is performed on an engine/generator set or other piece of rotating equipment driven by an engine. What generator end make & model should be used as a basis for providing a TVA?

Answer: John Deere 4045s and enclosed gensets shall be harmonically balanced from the factory. A TVA shall be performed on the enclosed gensets but not on the John Deere 4045s.

- 3) **Question:** 1.7 A 3 Calls for a voltage regulator manual however there is no voltage regulator identified in this loose engine ITB – supplied by others?

Answer: The John Deere 4045s are not to be provided with a voltage regulator therefore no manual is required. The enclosed gensets will come with a voltage regulator and therefore will require that a manual is provided.

- 4) **Question:** 1.7 C 9 Calls for AC three-line drawings however there is no AC equipment identified in this loose engine ITB – supplied by others?

Answer: The John Deere 4045s are not to be provided with any AC equipment therefore no diagrams are required. The enclosed gensets will come with AC equipment and therefore will require that diagrams be provided.

- 5) **Question:** 1.7 C 10 Calls for DC schematics for the voltage regulator however no voltage regulator is identified in this loose engine ITB – supplied by others?

Answer: The John Deere 4045s are not to be provided with voltage regulators therefore no DC schematics will be provided. However, DC schematics are required for fuel injector pump, sensors, switches, fuses, and all other devices. The enclosed gensets will have voltage regulators and therefore will require DC schematics of all DC circuits.

- 6) **Question:** “All units shall be configured as specified herein and shall include all accessories as indicated.” This contradicts 2.2 A and 2.2 B language – “Generator/Accessories – None. Furnish complete engine with ECU only.”

2.2 A “Generator/Accessories – None. Furnish complete engine with ECU only.”
This contradicts 2.1 B and engine accessories called out in 2.3 and 2.4, please clarify if the engine is to be supplied with accessories

2.2 B “Generator/Accessories – None. Furnish complete engine with ECU only.”
This contradicts 2.1 B and engine accessories called out in 2.3 and 2.4, please clarify if the engine is to be supplied with accessories

Answer: John Deere engines are to be furnished with an ECU in addition to accessories called out in 26 32 13.10 Specific Engines 2.3 and 2.4.

- 7) **Question:** 2.3 I “Fuel supply and return lines shall be routed to the front of the unit for field connection to the plant piping.”

Loose engines do not include fuel lines as they are typically manufactured to meet the installation requirements where the engine is to be put into service. 2.3 K states minimum hose size is #6

however no specification for length is provided in the ITB. Please clarify hose length.

Answer: Fuel hose shall be #8 for both the John Deere 4045s and enclosed gensets. See 26 32 13.10 2.3K and 26 32 13.20 2.3J respectively for hose type.

For John Deere 4045s provide minimum of 12' each for fuel supply and return. They will be cut to length in the field.

8) **Question:** 2.3 J “The oil drain line shall be terminated with a ball valve.”

Please clarify where this line will terminate, the length of this line, the diameter of this line, and/or how the end opposite of the engine is to be secured.

Answer: For John Deere 4045s the oil line hose shall be sized #10, provide 12', will be cut to length in the field. See 26 32 13.10 2.3K for hose type. Engine side will be piped into the oil pan with a ball valve, other end will have a reusable JIC end with plug. Secure/tie to front of engine.

Enclosed genset shall have a ball valve installed on the oil pan and provisions made so that the oil can easily and cleanly be drained during oil changes. There shall be a plug or cap on the other side of the hose or pipe so that if the valve was inadvertently opened the oil would not drain out of the engine.

9) **Question:** 2.3 N “Protective Guards: All moving parts and hot surfaces shall be provided with protective guards in accordance with U.L Standard 2200.”

UL2200 is a standard for generator sets, not loose engines. Please clarify what is expected to be provided. A loose engine cannot meet UL2200.

Answer: For the John Deere 4045s there needs to be a front guard around the belt and pulleys.

10) **Questions:** 2.3 O Conventional installation of air cleaner assemblies of the type specified (dry type element, metal canister) would place this accessory on top of the engine. This will block the factory provided lifting eyes on the engine called for in 2.3 S – is this acceptable and the intent of the ITB?

Answer: This is acceptable. When the engine is swung into place the air cleaner can be temporarily removed.

11) **Question:** 2.3 Q We assume the junction box referred to is supplied by others?

Answer: That is correct, the junction box is supplied by others for the John Deere 4045s.

12) **Question:** 2.4 B 1 References attaching tube to a skid however there is no skid supplied as a part of this loose engine ITB, please clarify scope of supply expected.

2.4 B 2 References attaching tube to a skid however there is no skid supplied as a part of this loose engine ITB, please clarify scope of supply expected.

Answer: For the John Deere 4045s fabricate a bracket that mounts to the engine and is welded to the tube. Tube shall still be laid out similar to what picture shows.

- 13) **Question:** 3.1 D “Shop test each engine generator with the associated control wiring junction box permanently connected.”

Will a control junction box be furnished by others? There is no information about this within the ITB.

Answer: Contractor will provide what is necessary to perform dynamometer test for John Deere 4045s.

- 14) **Question:** 3.1 D 1 Appears to call for demonstration of the engine controller being programmed for 0-5VDC speed bias input. This may contradict 2.3 G that appears to call for constant speed operation. Please verify if the engines are to be provided with ECU programming for external speed bias input or stand-alone/isochronous operation.

Answer: The ECU need to be programmed for an external speed bias for paralleling operations similar to or the same as a Woodward GCP or EasYgen.

- 15) **Question:** 3.1 D 4 Calls for recording data points during testing that are not possible with a loose engine. Our assumption is this is in error and electrical performance data points (AC frequency, kilowatts) are not required. Further we assume that use of factory installed engine sensors.

Answer: 3.1 D 4 Calls for recording data points during testing that are not possible with a loose engine. Our assumption is this is in error and electrical performance data points (AC frequency, kilowatts) are not required. Further we assume that use of factory installed engine sensors.

- 16) **Question:** 3.2 B 1 Is the junction box referred to supplied by others? Will a generator be supplied by others?

Answer: There will not be a junction box or generator provided for the John Deere 4045s. Coil and secure the engine wiring harness to the engine.

END OF ADDENDUM