

Attachment (2) Contractor Technical Certification

Vendor shall certify that equipment being quoted meets the capabilities listed below. Furthermore, vendor shall provide technical specification data in Tables A, B and C for the equipment that will be provided. In order to be considered for award, this must be completed and submitted with the vendor quote.

PURPOSE OF REQUEST: Service rental from vendor to provide one (1) trailer mounted 1,000 kW minimum Standby Power, 700kW Continuous Power (COP) Diesel Generator.

LOCATION: Norfolk Naval Shipyard (NNSY), Bldg 298, Portsmouth, VA 23709

PERIOD OF PERFORMANCE: 01 June 2023 to 30 November 2023 with clause to extend month to month for 3 months if needed.

Table A

TECHNICAL CAPABILITIES STATEMENT		
General Specification for 1,000 kW Standby Diesel Generator Rental		
Shall be provided with the following capabilities, features and specifications:	YES	NO
Output: 450volts, 3 phase, 3 wire ungrounded.		
Standby Rating of 1,000kW (minimum), Continuous Power (COP) of 700kW (minimum)		
Must be equipped with a block heater and battery charging circuit and suitable pigtails for mating with NNSY 120V distribution services cans.		
Diesel generator shall be capable of parallel operation with ship's ungrounded electric plant.		
Diesel generator shall be capable of paralleling with a shipboard diesel generator, diesel to be ungrounded with neutral lifted.		
Safety Devices: Output circuit breaker Long Time Overcurrent trip set to 150% of Base Load COP current rating.		
Diesel generator unit dimensions shall not exceed 20' L x 8' W. Weight not to exceed 45,000 lbs.		
Diesel fuel capacity must be capable of twenty-four (24) hour minimum run time prior to refueling at full Continuous Base Load. (onboard and/or external fuel tank included)		
External fuel tank shall be 1240 gallons maximum, if utilized. Unit dimensions shall not exceed 10' L by 8' W, fully fueled weight not to exceed 15,000 lbs. In lieu of one (1) tank, two (2) tanks can be used with dimensions not to exceed 5'-5 3/8" by 7'-8 5/8" max weight per tank 6200lbs (fully fueled). Fuel cell lifting points shall have current capacity certifications.		
Onboard/External fuel tank(s) shall allow for refueling while diesel generator is operating.		
Self-contained cooling system.		
Trailer mounted. Lifting points shall have current capacity certifications.		
Outdoor enclosure. Unit shall be equipped with rain-tight enclosure & block heater.		
The Diesel generator shall be of recent vintage (not more than ten years old), clean, and well maintained. The generator winding shall be a minimum of 5MΩ above ground with neutral disconnected. The unit shall have been tested within two weeks of delivery and applicable test data sent with unit.		
All neutral connections shall be disconnected and isolated from generator windings and any additional equipment as necessary.		
1,000 kW Standby Diesel Generator (cont)	YES	NO
Unit shall have posted operating instructions in the vicinity of the control panel that clearly state how to start, stop and operate the diesel generator and output circuit breaker. The posted instructions shall include any necessary steps for proper operation of the diesel generator in parallel with ship's service motor generator. Operating instructions may require clarification at ship's request after delivery, and vendor is to clarify instructions as necessary.		

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Unit shall be compatible with Shipyard furnished "THOF-500E"-T-500 lugged output cables (4 per phase). If mechanical lug connections are provided, they shall be sized for 500MCM (4 per phase).		
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Table B

	Rating (kW)	Rating (Amps)
Standby Power		
Prime Power		
Base Load Continuous Operating Power (COP)		

Table C

	Load (kW)	Burn Rate (Gallons/HR)	Run Time (Hours)
Standby Power			
Prime Power			
Base Load Continuous Operating Power (COP)			

TECHNICAL CAPABILITY/CONTRACTOR RESPONSIBILITY CERTIFICATION

Vendor hereby certifies that vendor's service meets or exceeds all specifications and contractor responsibilities stated in this solicitation, in their entirety, with no exceptions. _____(initials)

Signature

Printed Name

Title

Date