



Specifications for Cummins C100D2RE Portable 100 kW Diesel Generators

A. Purpose:

To purchase four (4) Cummins C100D2RE portable 100 kW towable diesel generators and trailers for use by the Tennessee Advanced Communications Network (TACN) within the Tennessee Department of Safety and Homeland Security.

B. General Requirements:

1. Documentation shall be provided that the bidder is an authorized Cummins dealer and authorized to work with Cummins brand firmware and software.
2. Each generator must be complete, operable, and tested 100 kW diesel engine generator. Each shall be portable, sound attenuated with a self-contained fuel system. Equipment and materials shall be of current design and ready for delivery, connection, and operation.
3. The generator supplier shall have available factory test results and factory published Operators Manual for the engine generator set. The engine shall be filled with crankcase lube oil and radiator coolant as recommended by the engine manufacturer.
4. The engine generator set shall have posted operating instructions near the control panel and operating devices. At all tower locations accessible by the State, placards warning about live voltage parts and other electrical connection points shall be clearly visible.
5. Applicable Documents: The following documents shall apply to the specified equipment:
 - a. EGSA 100: Performance Standards for Engine Generators
 - b. JIS: Performance Standards for Engine Generators
 - c. JES: Electrical Performance Standards
 - d. SAE: Society of Automotive Generators
6. Pricing:
 - a. The bid shall include any and all freight charges, plus the cost to deliver the generators and trailers to location(s) specified by the State.
 - b. The bid shall include any and all labor and set up charges to build and/or customize the generators.

7. Delivery and Handling:

- a. Deliver generators properly packaged and mounted to facilitate handling. Deliver with recommended lube oil and coolant installed.
- b. Handle equipment carefully to prevent physical damage.
- c. Delivery will be to the following address:

Tennessee Department of Safety and Homeland Security
ATTN: Supply Division
225 Ezell Pike
Nashville, TN 37217

8. Training:

The Vendor must provide at least one (1) hour of training to the State upon delivery of the generator(s).

9. Warranty

Warranty requirements are covered in the State's Terms and Conditions, but the warranty shall be no less than three (3) years from the date of final installation. Written warranty information shall be included with the Parts and Operations Manuals.

The vendor who is awarded the Contract shall respond to warranty-related problems that prevent the equipment from operating at optimal functionality within twenty-four (24) hours of being notified by the State.