

**WHEREAS**, the Board of Supervisors of Bolivar County, Mississippi, considers it necessary and in the best interest to the public that it buy the hereinafter described service for use by Bolivar County. It is therefore ordered that the Clerk of this Board does forthwith cause to be published in the manner provided by law, the following notice-to-wit:

**ADVERTISEMENT FOR BIDS**

Notice is hereby given that the Board of Supervisors of Bolivar County, Mississippi, will open sealed bids at the Courthouse in the Rosedale, Mississippi at 10:00 A.M. on the 1st day of April 2024, for the purchase by it of the following described service to-wit:

**BID FILE # 961**

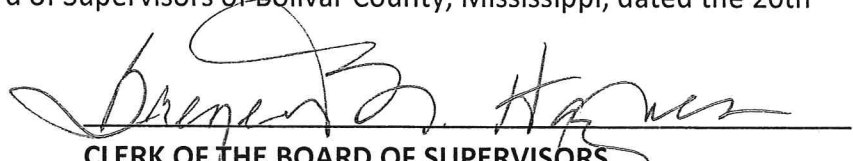
**ONE 350KW NATURAL GAS STAND ALONE GENERATOR AND AUTOMATIC TRANSFER SWITCH**

**INVITATION TO BID FORMS, AS REQUIRED BY LAW, SPECIFICATIONS AND INSTRUCTIONS TO BIDDERS CAN BE OBTAINED FROM THE COUNTY ADMINISTRATOR'S OFFICE. TELEPHONE 662-846-5877.**

**BIDS SHOULD BE MAILED OR HAND DELIVERED TO THE CHANCERY CLERK'S OFFICE, POST OFFICE BOX 238, 200 SOUTH COURT STREET, CLEVELAND, MISSISSIPPI 38732, TO ARRIVE ON OR BEFORE 5:00 P.M. FRIDAY, MARCH 29, 2024.**

In acquiring said service the Board of Supervisors reserves the right to reject any or all bids.

Published by Order of the Board of Supervisors of Bolivar County, Mississippi, dated the 20th day of February, 2024.

  
**CLERK OF THE BOARD OF SUPERVISORS  
BOLIVAR COUNTY, MISSISSIPPI**

**IT IS FURTHER ORDERED** that said notice be signed by the Clerk of the Board of Supervisors of Bolivar County, Mississippi and that proof of said notice is filed within the time fixed for the filing of the bids.

**ORDERED** this the 20<sup>th</sup> day of February 2024, on a motion by Supervisor Quinton; Seconded by Supervisor Howard, with all members present voting "Aye."

  
**Larry L. King, President  
Bolivar County Board of Supervisors**

**BOLIVAR COUNTY (Multipurpose Building- Emergency Storm Shelter)**  
**350 KW NATURAL GAS GENERATOR**

**A. General**

Section shall include but not limited to:

- A. Engine Generator Set**
- B. Exhaust silencer and fittings**
- C. Control Panel**
- D. Battery and charger**
- E. Weatherproof Enclosure**
- F. Block Heater**
- G. Automatic Transfer Switch**

Provider of Generator System shall:

- 1. Submit Shop Drawings:** These shall indicate electrical characteristics and connection requirements. Show plan and elevation views with overall and interconnection point dimensions, fuel consumption rate curves and various loads, ventilation and combustion air requirements, electrical diagrams including schematic and interconnection diagrams.
- 2. Provide Product Data:** The data will show dimensions, weights, ratings, interconnection points, and internal wiring diagrams for engine, generator, control panel, battery, battery rack, battery charger, exhaust silences and vibration isolators.
- 3. All material, equipment, and/or accessories necessary for proper operation of the system, (not specified or described herein) shall be provided at no additional contract cost to accomplish the intended function of the system.**
- 4. Test reports shall be provided that will indicate the results of performance testing.**

1. The provider of the natural gas generator shall furnish a complete stand-by electric power system consisting of new and current equipment to provide emergency power to selected loads in the event of normal power interruption to the Bolivar County Multi-Purpose Complex, (Bolivar County Emergency Shelter) located at 601 First Street, Cleveland, Mississippi 38732.
2. Successful Bidder shall be responsible for providing adequate technical supervision by factory trained representative(s) of the system manufacturer to assure proper installation and connection of the system. These personnel shall perform initial start-up, operational testing, and owner instructional training.
3. The complete stand-by electric power system shall be warranted by the same manufacturer for two years from the date of final acceptance.
4. The Successful Bidder for this project will be responsible for installing a concrete pad with adequate reinforced steel and mounting said generator to the concrete pad with an anchor and bolt system.
5. Complete operation and maintenance manuals of the engine generator, manual transfer switches, and all accessories shall be provided.
6. Shipping to the Bolivar County Multi-Purpose Building located at 601 First Street, Cleveland, MS. 38732, shall be included in the bid proposal.
7. Bolivar County will be responsible for hiring a plumber to run the natural gas line to the stand alone generator and it will be the plumber's responsibility to see that the gas line is large enough to adequately feed the generator enough natural gas to properly run the stand alone generator.
8. The Equipment shall be supported by a local distributor within 150 miles of the Bolivar County Multi-Purpose Building; (Bolivar County Emergency Shelter) located at 601 First Street, Cleveland, Mississippi 38732 who has had local facilities for at least (5) Five Years and who maintains a local service organization available twenty-four hours a day throughout the year, including Holidays and Weekends. The Successful Bidder will guarantee, when/if there is a problem, that they will be available for service for said equipment and will be able to be on scene and diagnosing said problem within (2 ½) Two and One Half Hours of being advised of said problem. The Successful Bidder will guarantee, when called, that they will make every effort to have repair work done on said equipment, as soon as possible, so that emergency services can continue to be given to the citizens of Bolivar County.

**B. Instructions :**

1. The generating system shall have Three Phase Capacity at 60 HZ: 350 kW, 1,045.000 kVA at 277/480 volt, 3 phase, 4-wire wye at elevation of 500 feet above sea level, continuous rating using engine-mounted radiator
2. The Successful bidder will provide and install a (1200 amp) 3 Phase 277/480 Bolt Automatic Transfer Switch, NEMA 3-R Rating

3. The Rating shall be sufficient to operate under 10 percent overload for one hour in an ambient of 90 degrees F at an elevation of 100 feet.
4. The Generator System shall use Natural Gas.
5. The Generator System Safety Devices should have engine shutdown on high water temperature, low oil pressure, over speed, and engine over crank. Limits may be selected by Manufacturer.
6. The Generator System Starting shall be a DC starting system with positive engagement, number and voltage starter motors in accordance with manufacturer's instructions.
7. The Generator System shall have an engine jacket heater, which consists of a Thermal circulation type water heater with integral thermostatic controls, sized to maintain engine jacket water at 90 degrees F, and suitable for operation on 120 volts AC.
8. The Generator System shall have a Radiator using glycol coolant, with blower type fan, sized to maintain safe engine temperature in ambient temperature of 100 degrees F. Radiator air flow restriction 0.5 inches of water maximum.
9. The Generator System Accessories shall have a Positive Displacement lube oil pump, lube oil filter, intake air filter, lube oil cooler and a gear-driven water pump. It shall include a water temperature gage, and lube oil pressure gage on engine/generator control panel.
10. The Generator shall have a Rating for 350 kW, 1,045.000 kVA, at 0.8 power factor, 60 Hz at 1800 rpm.
11. The Generator shall have temperature rise at 130 degrees C Continuous.
12. The Generator shall have an enclosure NEMA MG 1, open drip proof.
13. The Generator shall have a Voltage Regulation that includes generator-mounted volts per hertz solid-state exciter-regulator to match engine and generator characteristics, with voltage regulation plus or minus 1 percent from no load to full load. It shall include manual controls to adjust voltage droop, voltage level (plus or minus 5 percent) and voltage gain. The regulator must be sealed from the environment and isolated from the load to prevent tracking when connected to "SCR" loads.
14. The Generator shall be capable of sustaining at least 300% of rated current for at least 10 seconds under a three phase symmetrical short by inherent design or by the addition of a permanent magnet pilot (PMG) exciter.
15. The Generator shall be directly connected to the flywheel housing with a semi-flexible coupling between the flywheel and rotor, with maintenance free bearings.
16. The Generator System shall have a Local Power Receptacle, (One) GFI duplex receptacle (with breaker protection) inside the generator enclosure on the back of the unit.

17. The Generator System shall have a critical type silencer mounted inside the enclosure, with muffler companion flanges and flexible stainless steel exhaust fittings, sized in accordance with the engine manufacturer's instructions. (An external silencer is unacceptable).
18. The Generator System shall have (2) Two Heavy Duty starting type lead-acid storage batteries, 170 ampere-hours minimum capacity. The unit must match the battery voltage to the starting system. It shall include necessary cables and clamps.
19. The Generator System shall be provided with a Battery Tender Charger mounted on the unit inside the weather housing with a minimum of (5 Amp, 12 Volt).
20. The Generator System shall have a Main Circuit Breaker with a molded case on the generator output with integral thermal and instantaneous magnetic trip in each pole, 600 amperes, 3 pole, UL listed.
21. The Generator System will have a Reinforced Steel Housing Weather Protective Enclosure housing that will allow access to the control panel and service points, with lockable doors and panels. The enclosure shall be constructed of a minimum of 14 Gauge galvanized steel with a powder paint coat and with stainless steel hardware.
22. The provider of the stand alone generator will guarantee and provide proof upon request that all necessary factory tests have been performed before the unit was shipped and that it performed at the rated load.
23. The provider of the stand alone generator will guarantee and provide proof on request that all factory tests included: Run at full load, maximum power, voltage regulation, transient and steady-state governing, single step load pick-up and safety shutdowns.
24. The provider of the stand alone generator will provide the services of a manufacturer's representative to prepare, start, and test the engine/generator set.
25. The provider of the stand alone generator will do a complete engine/generator set test on site to show compliance with all required specifications.
26. The provider of the stand alone generator will notify the owner and the engineer (5) five days in advance of the onsite acceptance test.
27. The provider of the stand alone generator shall do an acceptance test that includes a "cold start" with load, at the site of the owner.
28. If adjustments are needed, the provider of the generator's representative shall adjust generator output voltage and engine speed.
29. The provider of the generator will have a representative on site who shall demonstrate, to the satisfaction of the representative(s) of Bolivar County the operation of said generator during the onsite acceptance test.
30. The provider of the generator will submit at least (2) Two copies of the complete operational manual, in hardback binders or CD to the representative of Bolivar County and these manuals shall cover the engine, the generator and all accessories.



**Advertisement for Bids:**

Notice is hereby given that the Board of Supervisors of Bolivar County will receive sealed bids at the Bolivar County Courthouse in Cleveland, Mississippi until 5:00 PM on the 29<sup>th</sup> day of March, 2024 and the bids will be opened on the 1st day of April, 2024 @ 10:00 AM at the Bolivar County Courthouse in Rosedale, Mississippi.

Bid file # 961 – BUY ONE (1) (350 KW) NATURAL GAS OPERATED STAND ALONE GENERATOR AND (1) AUTOMATIC TRANSFER SWITCH. BIDDER AGREES TO FURNISH SAID GENERATOR AND AUTOMATIC TRANSFER SWITCH, (PER SPECS), AND INSTALL NEW GENERATOR AND AUTOMATIC TRANSFER SWITCH AT THE BOLIVAR COUNTY MULTIPURPOSE BUILDING LOCATED AT 601 FIRST STREET, CLEVELAND, MISSISSIPPI. A PLUMBER WILL RUN THE PIPING FOR NATURAL GAS AND MAKE SURE THERE IS A SIGNIFICANT AMOUNT OF NATURAL GAS GOING TO UNIT FOR OPERATION PUPOSES AND BIDDER AGREES TO SEE THAT UNIT WILL STARTUP AND FUNCTION ACCORDING TO NEEDS FOR SERVICE. BIDDER MAY MAIL SEALED BID TO THE BOLIVAR COUNTY ADMINISTRATOR'S OFFICE, P.O. BOX 698, CLEVELAND, MS. 38732 OR HAND DELIVER TO THE BOLIVAR COUNTY ADMINISTRATORS PHYSICAL OFFICE AT 200 SOUTH COURT STREET, CLEVELAND, MISSISSIPPI TO ARRIVE ON OR BEFORE THE TIME AND DATE SPECIFIED ABOVE: Specifications:

DETAILED SPECIFICATION REQUIREMENTS FOR GENERATOR AND TRANSFER SWITCH CAN BE OBTAINED FROM THE BOLIVAR COUNTY ADMINISTRATOR'S OFFICE. Envelopes containing bids must be plainly marked in the lower left corner as follows: NAME OF BIDDER ON FRONT OF ENVELOPE, BID FILE #961 – BUY ONE (350 KW NATURAL GAS STAND ALONE GENERATOR AND TRANSFER SWITCH, INSTALLATION AND STARTUP) The board reserves the right to reject any or all bids. Published by order of the Bolivar County, Mississippi, Board of Supervisors on a motion made by Supervisor Quinton, seconded by Supervisor Howard and all Supervisors present voting "AYE".

CLERK OF THE BOARD OF SUPERVISORS, BOLIVAR COUNTY, MISSISSIPPI

IT IS ALSO ORDERED that said notice be signed by the Clerk of the Board of Supervisors of Bolivar County, Mississippi this 20th day of February, 2024. Larry L King, President