OFFICE OF THE PRINCIPAL DISTRICT & SESSIONS JUDGE, MADHEPURA

Tender Notice No. 02

Sealed tenders are hereby invited from eligible manufacturers/authorized dealers for the **supply, installation, testing and commissioning of two (02) Nos. of 125 KVA Diesel Generator Sets,** including RCC foundation/platform, weather-proof shed/canopy, earthing, cabling and all allied civil and electrical works, for the newly constructed **10 (G+5) Court Building, Civil Court, Madhepura** and the **Sub-divisional Judicial Court, Uda-Kishunganj, Madhepur** in accordance with the terms, conditions and technical specifications contained in the Tender Documents..

The schedule of the tender process shall be as follows:

Particulars	Date & Time
Last date and time for submission of sealed bids	29.08.2026 (Saturday) up to 05:00 P.M.
Place of Submission of Bids	Nazarat, Civil Court, Madhepura
Date of opening of bids	31.08.2026 (Monday) at 04.35 P.M.

The Tender Documents may be downloaded from the official website (https://madhepura.dcourts.gov.in/) of Civil Court, Madhepura Bids received after the stipulated deadline shall not be entertained.

By order of the Principal District & Sessions Judge, Madhepura

03-08-2026

Court Manager
Civil Court, Madhepura
03-08-2026

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1. Requirement of Diesel Generator of 125 KVA

The tender is invited for the supply, installation, testing, and commissioning of two (02) Prime Silent Type 125 KVA Diesel Generator (DG) Sets conforming to the latest CPCB-IV+ / MoEFCC (NCAP) emission norms or any other statutory regulatory standards applicable at the time of supply. The DG Sets are to be installed at (i) Civil Court, Madhepura and (ii) Sub-divisional Judicial Court, Udakishunganj, Madhepura.

The scope of work shall include the design and construction of RCC foundations for the DG Sets, installation, testing, commissioning, and all allied civil, electrical, and mechanical works required for successful commissioning. The bidder shall quote rates on a turnkey basis, taking into account the complete scope of work, including foundation construction, transportation, loading, unloading, installation, testing, commissioning, and any other incidental works necessary for making the DG Sets fully operational.

The DG Set supplied under this tender shall preferably be of Mahindra Powerol, Kirloskar, Greaves, Cummins, Caterpillar Inc., or Volvo make. Preference shall be given to bids offering DG Sets of the aforesaid makes, provided they conform to the prescribed technical specifications. The vendor should inspect the site at his own expense and make himself familiar with exact scope and criteria of supply. Non-familiarity of the site requirement will not be a reason either for extra claim or for not supplying the material in conformity with the requirements, and specifications.

1.1. Eligibilty Criteria

“Bidder" means the Original Equipment Manufacturer (OEM), its Authorized Dealer, Authorized Distributor, Firm or Agency participating in the tender.

1.2. Technical Evaluation

The bidder shall satisfy the following eligibility criteria:

a. The bidder shall be an Original Equipment Manufacturer (OEM) or its Authorised Dealer/Authorised Distributor/Firm/Agency engaged in the supply, installation and commissioning of Diesel Generator (DG) Sets.

b. The bidder shall have a minimum **two (02) years' experience** in the supply, installation and commissioning of DG Sets of similar capacity. Documentary proof in support of the experience shall be enclosed.

c. The bidder shall have an average annual turnover of not less than **₹20,00,000/- (Rupees Twenty Lakh only)** during the last two financial years. Audited financial statements/CA Certificate shall be submitted as proof.

d. The bidder shall submit an **Earnest Money Deposit (EMD) of ₹30,000/- (Rupees Thirty Thousand only)** in the form of a Demand Draft drawn in favour of the **Principal District & Sessions Judge, Madhepura**, payable at **Madhepura**, along with the Technical Bid.

e. The bidder shall submit a self-attested copy of its **Permanent Account Number (PAN) Card**.

f. The bidder shall submit copies of **GST Registration Certificate**, PAN Card and all other statutory registrations applicable to the business.

g. The bidder shall submit the **manufacturer's catalogue/brochure, technical literature, data sheets and complete technical specifications** of the DG Set(s) offered. Only those products conforming to the technical specifications prescribed in this tender document shall be considered for financial evaluation.

h. Where the bidder is an Authorised Dealer/Distributor, a valid **Manufacturer's Authorisation Certificate** issued by the OEM shall be enclosed with the Technical Bid.

i. Preference shall be given to bids offering DG Sets of **Mahindra Powerol, Kirloskar, Greaves, Cummins, Caterpillar Inc., or Volvo** make, subject to compliance with the prescribed technical specifications and tender conditions.

1.3. Financial Evaluation

a. Financial Bids of only those bidders who qualify in the Technical Evaluation shall be opened.

b. The contract shall ordinarily be awarded to the **Lowest Evaluated Responsive Bidder (L-1)** whose bid is found technically responsive and financially lowest, inclusive of all applicable taxes, duties, freight, insurance, installation, commissioning, foundation work and all incidental charges.

1.4. General Conditions

a. Claims made by the bidder without documentary evidence shall not be considered.

b. No bidder shall be entitled to claim any reimbursement or compensation towards the cost incurred for preparation and submission of the bid, catalogue, brochures, technical literature or any other document.

c. The Office of the Principal District & Sessions Judge, Madhepura reserves the right to verify the information and documents furnished by any bidder at any stage of the tender process.

d. The decision of the **Principal District & Sessions Judge, Madhepura** regarding the evaluation of bids, verification of documents, acceptance or rejection of any bid, and award of the contract shall be final and binding on all bidders.

e. The Principal District & Sessions Judge, Madhepura reserves the right to accept or reject any or all bids, wholly or partly, without assigning any reason whatsoever, and shall not be liable for any cost or consequence incurred by the bidders on this account.

2. Scope of Work

2.1 Supply, Installation, Testing and Commissioning of Two (02) Silent Type 125 KVA Diesel Generator (DG) Sets

The scope of work includes the design, manufacture, supply, transportation, unloading, storage, installation, testing, commissioning and successful handing over of two (02) Silent Type 125 KVA Diesel Generator (DG) Sets, complete in all respects, conforming to the latest CPCB-IV+ emission norms notified by the Ministry of Environment, Forest and Climate Change (MoEFCC) and all other applicable statutory regulations in force at the time of supply.

The DG Sets shall be installed at the following locations:

I. Civil Court, Madhepura

II. Sub-divisional Judicial Court, Udakishunganj, Madhepura

The work shall be executed on a turnkey basis, including all civil, electrical and mechanical works necessary for successful commissioning of the DG Sets**.**

2.2 Warranty & Certification

a. **Warranty:** Minimum Two (02) Years or 2500 Running Hours, whichever is earlier, from the date of successful commissioning.

b. **Certification:** The DG Set shall have a valid CPCB-IV+ Type Approval Certificate and comply with all applicable statutory requirements.

c. The successful bidder shall submit the Warranty Certificate, CPCB Type Approval Certificate, Operation & Maintenance Manual and other relevant documents at the time of commissioning.

3.Scope of Supply

The scope of supply shall include, but not be limited to, the following:

a. Diesel engine complete with radiator, cooling system, lubrication system, air intake and filtration system, fuel system, exhaust system, governor, safety devices and all standard accessories.

b. Brushless synchronous alternator directly coupled to the engine, complete with Automatic Voltage Regulator (AVR), excitation system and all associated accessories.

c. Complete electric starting system comprising maintenance-free batteries (02 Nos.), battery cables, battery stand and SMPS-based automatic battery charger.

d. Heavy-duty fabricated base frame with anti-vibration mountings, lifting arrangement, foundation bolts and all necessary mounting accessories.

e. Integrated/base-mounted fuel tank of adequate capacity with fuel level indicator and all necessary piping and fittings.

f. Acoustic enclosure suitable for outdoor installation, weatherproof, corrosion-resistant and compliant with the latest CPCB-IV+ permissible noise limits.

g. AMF (Automatic Mains Failure) Control Panel complete with microprocessor-based controller having protection, monitoring, metering, annunciation and auto/manual operation facilities.

h. Engine exhaust system complete with residential-grade silencer, flexible bellows, exhaust piping, rain cap, thermal insulation/cladding and supporting arrangements, conforming to the latest CPCB emission and noise norms.

i. All first-fill lubricating oil, coolant, filters, consumables, touch-up paint and accessories required for testing and commissioning.

j. Fuel required for testing and commissioning shall be arranged by the successful bidder.

k. All interconnecting power and control cables, cable glands, cable trays, conduits, lugs, earthing materials, hardware, clamps and accessories required for complete installation.

l. Four independent earthing stations (or as recommended by the OEM and applicable standards) with earth electrodes, earth pits, GI strips/wires and all accessories required for safe operation.

m. RCC foundation for the DG Set, acoustic enclosure and control panel, including excavation, PCC, RCC, reinforcement, grouting, finishing and all civil works as per OEM recommendations.

n. Foundation for the fuel tank (where applicable), cable trench crossings, pipe supports and all incidental civil works.

o. Danger boards, safety signage, operating instructions and standard safety equipment required for commissioning.

p. Comprehensive operation and maintenance manuals, technical literature, wiring diagrams, test certificates, warranty certificates and all statutory compliance documents.

3.1 Scope of Services

The successful bidder shall provide the following services:a.

a. Design, engineering, manufacture and factory testing of the DG Sets.

b. Packing, insurance, loading, transportation, unloading and safe delivery at the installation sites.

c. Construction of RCC foundation and all associated civil works.

d. Installation, alignment and complete erection of the DG Set, AMF panel, exhaust system, fuel system, earthing system and all accessories.

e. Testing and commissioning of the DG Set under load in the presence of the representative of the Office of the Principal District & Sessions Judge, Madhepura.

f. Performance testing to demonstrate compliance with rated capacity, voltage regulation, frequency regulation, fuel consumption, noise level and CPCB-IV+ emission requirements.

g. Training of designated Court personnel in the operation, routine maintenance and safety aspects of the DG Set.

h. Rectification of defects, if any, observed during commissioning or within the warranty period.

i. Submission of commissioning report, test certificates and all statutory compliance certificates after successful commissioning.

j. Comprehensive warranty support and after-sales service as specified in the tender document.

4.Control and instrumentation including AMF Panel

The DG Set shall be provided with a fully integrated **Automatic Mains Failure (AMF) Control Panel** complete with microprocessor-based controller for automatic, manual and remote operation, monitoring, protection and control of the DG Set.

The scope shall include the following:

(a) Each DG Set shall be provided with all necessary instruments, meters, interlocks, protection devices, indication lamps, audible and visual annunciation system, control switches, relays and accessories required for safe, reliable and automatic operation of the DG Set. The AMF Control Panel shall house all such instruments, protective relays, battery charger(s), controller, wiring and associated equipment.

(b) The DG Set shall be capable of **automatic starting** upon failure of the normal mains supply and shall automatically assume the connected load through the AMF Panel within **10 seconds**

(or the OEM's standard response time, whichever is earlier), subject to successful engine starting.

(c) The AMF Panel shall incorporate a **test mode/simulation facility** for checking the automatic operation of the DG Set without interrupting the normal power supply.

(d) The DG Set shall be equipped with a **microprocessor-based digital controller** capable of monitoring, metering, protection, alarm annunciation, event logging and operational control. The controller shall display all essential electrical and engine parameters and provide protection against abnormal operating conditions. The minimum functional requirements of the controller shall be as specified in **Annexure-B**.

(e) The DG Set shall be capable of **local as well as remote manual starting and stopping**, in addition to fully automatic operation through the AMF Panel.

(f) The AMF Panel shall be factory-wired, dust and vermin proof, fabricated from CRCA sheet steel, powder-coated, floor/wall mounted as required, and suitable for continuous outdoor/indoor operation at the installation site.

(g) The AMF Panel shall comply with the applicable provisions of **IS/IEC standards** and shall be complete with all internal wiring, terminal blocks, cable glands, labels, danger notices and other accessories necessary for safe and reliable operation.

5. D.G. SET Technical Parameters

ALTERNATOR		
1.	**Output**	**125 KVA**
2.	**Terminal Voltage**	**415V AC**
3.	**No. of Phases**	**3**
4.	**Rated Speed**	**1500 RPM**
5.	**Frequency**	**50 Hz**
6.	**Type of Exciter Used**	**Brushless, Self-Excited**
7.	**Class of Winding Insulation**	**Class H**
8.	**Permissible Temperature Rise**	**Class H**
9.	**Degree of Protection**	**IP-23**
10.	**Overload Capacity**	**10% Overload for 1 hour in every 12 hours of continuous running**
ENGINE		
1.	**Standard**	**IS 10002, IS 13018, ISO 3046, ISO 8528 (Latest Editions)**
2.	**Rating**	**Prime**
3.	**Speed**	**1500 RPM**
4.	**Cylinder Quality**	**Multi-Cylinder**

5.	**Type of Cylinder Arrangement**	**V-Type or Inline Type**
6.	**Method of Aspiration**	**Turbo-Charged**
7.	**Method of Engine Cooling**	**Water-Cooled (Through Radiator)**
8.	**Method of Starting**	**Battery Operated Auto Start**
9.	**Type of Governor**	**Electronic**
10.	**Balancing**	**Dynamically balanced flywheel**
11.	**Air-Suction & Exhaust**	**Suction of air shall be from indoor for ventilation and exhaust flue gasses will be let out to outside atmosphere. &Condensate traps shall be provided on the exhaust pipe.**
12.	**Air Filter**	**Dry Type (Replaceable)**
13.	**Lubricating System**	**Forced (Closed Loop)**
14.	**Emission Levels**	**In accordance with latest Notifications of MOEF/CPCB (certificate to be furnished)**

ENGINE-ALTERNATOR SET		
1	**Maximum Starting Time**	**10 sec**
2	**Balancing**	**Dynamic Balanced Rotor to minimize vibration**
3	**Mounting Arrangement**	**DG set enclosed in the acoustic enclosure shall be installed on Concrete Pedestal. Adequate number of anti-vibration mounting pads shall be fixed on the common base frame on which the engine and the alternator shall be mounted to isolate the vibration from passing on to the common base frame or the foundation of the D.G. Set.**

Besides that, best standard Battery, battery charger, Fuel tank, acoustic enclosure and other accessories would have to be provided.

5.1 Automatic Mains Failure (AMF) Control Panel

Specification:

a. Automatic Mains Failure (AMF) Control Panel for automatic starting, stopping, monitoring and protection of the 125 kVA DG Set.
b. Multifunction Digital Display indicating Voltage, Current, Frequency, Power Factor, Engine Speed (RPM), Lube Oil Pressure, Coolant Temperature, Running Hours, Battery Voltage, Generator kVA, Generator kW, Fuel Level, Event Log and Control Supply Voltage.
c. Audio-visual alarms for Low Lube Oil Pressure, High Coolant Temperature, Low Fuel Level and Overspeed.
d. Enclosure with minimum IP-54 protection, complete with all necessary metering, control, protection and indication devices.

6. Scope of Work of the Successful Bidder

.The successful bidder shall carry out a detailed site survey before execution of the work and shall supply, install, test and commission the complete **two (02) 125 kVA CPCB-IV+ compliant Silent Diesel Generator Sets** along with all accessories and allied works. The scope of work shall include, but not be limited to, the following:

a) Supply, installation and commissioning of suitable exhaust piping complete with supports, thermal insulation, cladding and all accessories as per the OEM's recommendations.

b) Thermal insulation of exhaust piping with suitable Rockwool insulation and aluminium cladding or equivalent as per OEM specifications.

c) Supply and erection of all structural steel supports, base frames, brackets and fabricated items required for proper installation.

d) Supply and laying of power cables of suitable size, type and length, complete with cable glands, lugs, ferrules, terminations and all accessories, as per the OEM's recommendations, applicable IS standards and site requirements.

e) Supply and laying of control cables of suitable size and length, complete with terminations and accessories, as required for proper operation of the DG Sets and AMF Panel.

f) Construction of complete earthing system, including earth pits, GI pipe electrodes, GI strips, interconnections, earth pit chambers and identification plates, in accordance with **IS 3043** and the OEM's recommendations.

g) Supply and installation of all required GI earth strips, earthing conductors and bonding arrangements.

h) Supply, fabrication and installation of complete exhaust ducting/chimney system for safe discharge of exhaust gases outside the DG room, as per OEM recommendations and statutory requirements.

i) Construction of RCC foundation(s) for the DG Sets, including anti-vibration arrangements, foundation bolts and all civil works, strictly in accordance with the OEM's approved foundation drawings.

j) Arrangement of all necessary lifting equipment, including crane, hydra, forklift or any other suitable machinery, for unloading, shifting, positioning and installation of the DG Sets.

k) Supply of all consumables, fittings, fasteners, clamps, supports, hardware, instruments, tools, test equipment and any other materials necessary for complete installation, testing and commissioning of the DG Sets.

l) Submission of Operation & Maintenance Manuals, technical literature, wiring diagrams, foundation drawings, test certificates, warranty certificates and all other documents supplied by the OEM.

m) Any damage caused to the building, civil works, electrical installations or any other property during execution of the work shall be repaired and restored to its original condition by the successful bidder at no additional cost to the Department.

n) The successful bidder shall deploy qualified technical personnel for supervision, installation, testing and commissioning of the DG Sets. All expenses towards transportation, boarding, lodging, labour and incidental charges shall be borne by the successful bidder.

o) The installation shall be complete in all respects and ready for safe, reliable and satisfactory operation. Any item, material or accessory not specifically mentioned but required for satisfactory performance of the DG Sets shall be deemed to be included in the bidder's scope of work and shall be supplied without any additional cost to the Department.

The successful bidder shall complete the supply, installation, testing and commissioning of the two (02) 125 kVA CPCB-IV+ Silent Diesel Generator Sets, including all associated civil, electrical and mechanical works, within six (06) weeks from the date of issuance of the Work Order.

7.Declaration of Successful Bidder

Principal District and Sessions Judge, Madhepura may either choose to accept the Proposal of the successful tenderer or invite him for negotiations. Approval of the proposed product, quality and installation of the D.G sets would require approval from the office of Principal District and Sessions Judge, Madhepura before the bidder is declared successful. The product, quality and specification of the D.G sets can be amended or modified by office of Principal District and Sessions Judge, Madhepura.

Upon acceptance of the Proposal of the tenderer financially qualified with or without negotiations, Principal District and Sessions Judge, Madhepura shall declare the tenderer as the Successful Bidder.

All of the approved quoted amount of the successful bidder for supply and installation of D.G sets shall be paid only after the completion of all supply and works.

8.Supply/ Work Order

Principal District and Sessions Judge, Madhepura will notify the Successful Bidder by a Letter of Award (LOA) that its Proposal has been accepted, and accordingly **Supply/work order** would be issued.

9. Right to accept or reject proposal

Principal District and Sessions Judge, Madhepura reserves the right to accept or reject any or all of the Proposals without assigning any reason.

Principal District and Sessions Judge, Madhepura reserves the right to invite revised Proposals from Tenderers/Bidders with or without amendment of the Tender Document at any stage, without liability or any obligation for such invitation and without assigning any reason.

10.Obligations of the Successful Bidder

I. The successful bidder shall submit the original Guarantee/Warranty Certificates, Operation & Maintenance Manuals, Test Certificates, OEM documents and all other relevant documents pertaining to the supplied equipment to the Office of the Principal District & Sessions Judge, Madhepura, at the time of handing over the DG Sets.

II. The two (02) 125 kVA CPCB-IV+ Silent Diesel Generator Sets shall be supplied, installed, tested and commissioned at the following locations:

a. Civil Court Campus, Madhepura, and
b. Sub-divisional Judicial Court, Udakishunganj, Madhepura.

11. The bidder must submit financial bid in the following format

Amount for the D.G Set		**Amount for all other supplementary work required for supply, installation and commissioning including civil and electrical work as mentioned in the tender document.**	**Total Amount**

The Principal District & Sessions Judge, Madhepura reserves right to reject any or all the tenders without assigning any reason whatsoever.

Place:-
Date :- **Signature and seal of the bidder**