



Ref. No. NIRT/Stores/AMC/Diesel Generator Sets/2025-26/

Date: 19.01.2026

QUOTATION ENQUIRY

Sealed quotations are invited on behalf of the Director, ICMR - National Institute for Research in Tuberculosis, Chennai, for engaging Annual Maintenance Contract (AMC) for Diesel Generator set 125KVA, 250KVA, 500KVA and 600KVA installed at NIRT, Chetpet, Chennai, for the year 2025 – 2026.

The above mentioned services may be inspected at NIRT Chennai on any working days between 10:00 A.M. and 05:00 P.M. by the agencies before the last date of submission of tender. Interested service agencies having experience in the relevant field either local based or has its service unit at Chennai should submit their lowest competitive rates along with company/ profile and experience documents.

S. No.	Diesel Generators	Qty.	Installed
1.	125 KVA DG Set Diesel Generating Set Capacity: 125 KVA Cummins Engine Engine Model: 6BT A5.9G2 Engine S. No. 62353961	1 No	IAVI
2.	250 KVA DG Set Engine Model: 6SL8800 TA Engine S.No.F6.2717 / 0300008 Alternator Model: HC 444 C2 Alternator Serial No.04071657	1 No	ICER and Administration
3.	500 KVA DG Set Engine Model: 10K 18 TA Engine S.No.KVO.5001 / 0700011 Alternator Model: HC 544 D1 Alternator Serial No.07011305	1 No	Lab & Accounts
4.	600 KVA DG Set Engine Model: 12K 22 TA Engine S.No.KV2.2002 / 0400027 Alternator Model: HC 544 E1 Alternator Serial No.04080509	1 No	Clinic Building

The quotation superscripted as “**Quotation for AMC of 125KVA, 250KVA, 500KVA and 600KVA Diesel Generator Sets at NIRT, Chennai**” addressed to “The Director, ICMR - National Institute for Research in Tuberculosis, No.1, Mayor Sathyamoorthy Road, Chetpet, Chennai - 31” should reach this office latest by 09.02.2026 till 03:00 P.M. The same may either be dropped at the tender box available at NIRT Stores or sent through Speed Post / Courier or by E-mail to nirtdirector@icmr.gov.in with signature & seal in company letter head latest by 9th February 2026 by 03.00 PM.



Scope of Work:

The preventive maintenance will be done compulsorily “ONCE” in every month. The Preventive maintenance will include,

- A) Inspections render breakdown maintenance and regular preventive maintenance during normal working hours of the facility.
- B) Preventive maintenance includes,
 - 1) Regular checking of all the parts of the DG sets required for normal functioning including deep cleaning of all filters, change in engine oil, coolant, radiator cap/raw water strainer batteries, start-up items, etc.
 - 2) The service engineer is required to check both electrical and mechanical parts of Diesel Generator Sets i.e., filters, hose pipe, pump, nozzle, radiator, bearing, automatic voltage regulator, Alternator, rotter key, switches, wires, batteries, vaccum indicator, Rain Caps etc. and must intimate to the office immediately and corrective action should be taken.
 - 3) Checking for proper functioning of sensors and safety controls in terms of checking the connections and terminals and visual inspections. Checking of lube oil pressure.
 - 4) Any visible change in normal parameters of DG Set such as coolant leakages, diesel leakages etc. must be immediately addressed.
 - 5) Checking visually the exhaust smoke (Level/colour) and maintain level as per National Pollution Control Board guidelines.
 - 6) The digital display of DG sets should be maintained functional all times.
 - 7) A & B checking of DG shall be done as the standards maintenances norms.

Preventive Maintenance service visit includes Supply and Replacement of

- 1) Change of filter as per schedule.
- 2) Check and clean Engine, Battery, Fuel Tank and other accessories (self-starter battery Charging Alternator).
- 3) Tighten all nuts and Bolts of DG Set and its accessories.
- 4) Checks for any Lube oil leakage from any point and rectify, if observe.
- 5) Check and adjust fan belt tension, replace the fan belt if found damage.
- 6) Check and maintain operating, parameters such as RPM, Voltage, Oil Pressure and smoke Level of DG Set as per make (Cummins, Koel) recommendation.
- 7) Check level and specify gravity of electrolyte in battery, top up with distilled water only. If necessary, Electrolyte will be provided by ICMR-NIRT.
- 8) Check the battery leads, replace it with new one if necessary, clean, and apply Petroleum jelly on battery terminals. Check battery terminals, replace, if found damage.
- 9) Drain water and sediments from fuel tank. It must be cleaned during once a year or 900 engines hrs whichever is earlier.
- 10) Check for any leakages of diesel from tank, rectifies the same without welding.
- 11) Check leakage of smoke from exhaust system/silencer, repair if required.
- 12) Check exhaust pipe, flange and lagging. Repair/replace if found damage.
- 13) Check functioning of Self-starter. Repair if found damage.
- 14) Check Air cleaner and cleaning, if require.



icmr
INDIAN COUNCIL OF
MEDICAL RESEARCH

NIRT
NATIONAL INSTITUTE FOR
RESEARCH IN TUBERCULOSIS



आई सी एम आर – राष्ट्रीय यक्ष्मा अनुसंधान संस्थान
स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य और परिवार
कल्याण मंत्रालय, भारत सरकार

ICMR - National Institute for Research in Tuberculosis
Department of Health Research, Ministry of Health
and Family Welfare, Government of India

- 15) Checking of all hoses and cleanup, change/tighten, if required.
- 16) Checking of Lube oil cooler fans and cleaning, if required.
- 17) Checking and cleaning of radiator Fans.
- 18) Checking fans inside canopy and fans inside room wherever DG is inside room.
- 19) Injector calibration must be done as per requirement at DG.
- 20) The service engineer is required to undertake the following works during servicing of Generator Set.
 - (a) Checking of lube oil/mobil oil and top up/refill when required.
 - (b) The oil filter shall be replaced periodically/when required.
 - (c) The air filters shall be cleaned periodically with compressed air, checking of batteries and top up the distilled water, when required.
 - (d) Coolant level and conditioning of coolant shall be checked and refilled when required.
 - (e) Any other essential services for smooth functioning of the DG sets must be ensured.

C. For emergency visits requested by authorized personnel, please note the following restoration times for any breakdowns failing which the following penalty will be imposed:

A. Minor Issues: Within 2 hours of information received. Otherwise a penalty of Rs 500 at 1st instance and Rs 1000 for 2nd instance onwards.

B. Major Issues: Within 24 hours of information received. Otherwise a penalty of Rs 1000 at 1st instance and Rs 1500 for 2nd instance onwards.

D. Out of Scope:

- 1) The Engine oil will be replaced by the agency but the cost of Engine oil is out of scope of the bidder.
- 2) Main alternator rewinding, canopy and panel, top and major overhauls, the workshop charges for repairs of engine component.

Works to be attended under AMC:

- Routine Check-up of Engine, Alternator, Panel Board function, Battery and DC Alternator generating set and service support for complete overhauling – cum – service whenever needed including part replacements.
- Emergency Breakdown calls must be attended within 2 hours.

Terms & Conditions:

1. The NIRT Office reserves the right to accept or reject any or all contract without assigning any reasons thereof.
2. Any decision taken by the Director, NIRT at any point of time in connection with this process shall be final and conclusive and no claim or dispute in that regard shall be entertained.
3. The bidders should do site inspection of the location to understand the scope of work at ICMR-NIRT, Chennai before submission of the quotation and the inspection report should be duly signed by the Electrical team of NIRT.



4. No advance payment will be made before executing the Contract. The payment will be made upon rendering the services in two instalments, one on completion of the first half of the service period and the other on completion of one year after receipt of satisfactory report from end user concerned.
5. NIRT, Chennai will not be responsible for any delay or late receipt of quotations and the same will not be considered under any circumstances.
6. No extra payment will be made on account of transportation, handling, loading, unloading, labour charges etc.,
7. While submitting the quotations the rate against each work and net amount to be paid, GST etc. should be specified separately.
8. The bidders must submit GST Certificate and site inspection report along with the quotation.

Chinnia 19/1/26
ADMINISTRATIVE OFFICER