CENTRE FOR DNA FINGERPRINTING & DIAGNOSTICS
HYDERABAD

TENDER DOCUMENT

FOR

Supply, Installation, Testing and Commissioning (SITC) of Retrofit Emission Control Devices (RECDs) with Filter Technology for 2 Nos. of Existing 750 kVA Cummins Diesel Generator Sets at CDFD, Hyderabad

TENDER NOTICE NO. CDFD/ENGG/ ELECT/DG/RECD/2026-2027/01

ISSUED TO M/s……

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DIRECTOR

BRIC-CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS
(An autonomous institute of the Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India.)
Inner Ring Road, Uppal, Hyderabad – 500039, India.

BRIC–CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS (CDFD)

(An autonomous institution under Department of Biotechnology, Government of India)

Hyderabad, Telangana

TENDER DOCUMENT

Supply, Installation, Testing and Commissioning (SITC) of Retrofit Emission Control Devices (RECDs) with Filter Technology for 2 Nos. of Existing 750 kVA Cummins Diesel Generator Sets at CDFD, Hyderabad

Tender particulars	**Details**
Tender Reference	CDFD/ENGG/ ELECT/DG/RECD/2026-2027/01
Tendering method	To be selected by CDFD in accordance with the applicable GFR, procurement manuals, CDFD procedures and approved procurement route
Issue date	02.11.2026
Pre-bid/site visit	12.11.2026
Last date and time for submission	23.11.2026 at 15:00 Hrs
Date and time of opening	23.11.2026 at 15:30 Hrs
Place of work	BRIC-CDFD, Hyderabad, Telangana
Quantity	2 (two) complete RECD systems – one for each existing 750 kVA Cummins DG set
Validity	120 days from the acceptance of the Work Order

Sd/-

Executive Engineer

SECTION 1: NOTICE INVITING TENDER (NIT)

TENDER NOTICE NO: CDFD/ENGG/ELECT/DG/RECD/2026-2027/01

BRIC-CDFD invites sealed/electronic bids, as specified in the final NIT, for SITC of two (2) Retrofit Emission Control Devices (RECDs) using suitable filter technology for the existing 2 Nos (two) 750 kVA Cummins India Limited Diesel Generator sets installed at CDFD, Hyderabad.

The procurement shall be conducted through the procurement route approved by the competent authority and in accordance with the General Financial Rules (GFR), applicable Department of Expenditure procurement manuals, CDFD procedures, and CPPP/GeM requirements wherever applicable. The NIT shall state the exact submission platform, tender mode and dates.

Item	Description
1	SITC of RECD with filter technology, including all accessories, controls, sensors, supports, duct/exhaust interfaces and electrical connections necessary for a complete working installation.
2	Quantity: 2 complete systems each, one per 750 kVA Cummins DG set. (02 Nos. RECD filter Technology)
3	Delivery and completion period: 12 weeks from Work Order/site handover.
4	Bid validity: 120 days from the last date of bid submission.
5	Earnest Money Deposit (EMD): ₹ 70,000
6	Tender document fee: NIL].
7	Performance Security: ₹ 1,75,000
8	Contact for tender queries: Dr. Punnaiah V, Executive Engineer, punnaiah@cdfd.org.in, 9441490598

CDFD reserves the right to accept or reject any or all bids, cancel or modify the tender process, or seek clarifications, in accordance with applicable rules and without thereby incurring liability to bidders. Reasons shall be recorded wherever required by applicable rules.

SECTION 2: BACKGROUND AND OBJECTIVE:

CDFD operates two existing 750 kVA Cummins India Limited DG sets for standby power to critical laboratory facilities and essential infrastructure. CDFD proposes to install RECDs with filter Technology to control particulate emissions from the DG sets, subject to the requirements and directions of the competent pollution-control authority and applicable law.

The proposed devices shall be suitable for the actual engine model, engine rating, exhaust flow, exhaust temperature, back-pressure limits, operating load profile, exhaust configuration and site conditions of each DG set. The bidder shall verify these parameters before finalising the design and shall not rely solely on the nominal kVA rating.

SECTION 3: SCOPE OF WORK:

- Conduct a site visit and inspect both DG sets, engine nameplates, engine/alternator details, exhaust piping, silencer, available space, foundations/supports, electrical supply, ventilation, access and maintenance clearances.
- Submit a DG-set-wise site survey report recording manufacturer, model, serial number, year, engine family/model, rated output, exhaust flow and temperature data (where available), permitted exhaust back pressure, existing silencer arrangement, and proposed RECD location.
- Design, supply, install, test and commission two complete RECD systems using filter technology suitable for the specific Cummins engines and the applicable statutory/consent requirements.
- Provide all required filter modules, housings, regeneration/cleaning system, sensors, controller, safety interlocks, differential-pressure monitoring, wiring, cabling, control panel, supports, transition pieces, flanges, gaskets, fasteners, insulation and weather protection, as required for a complete installation.
- Carry out all minor exhaust-system modifications and interface works required for installation, without compromising engine performance, manufacturer warranty, safety, or the DG set's permitted back-pressure limit.
- Conduct commissioning and performance tests at agreed load points, verify operation and back pressure, demonstrate cleaning/regeneration functionality and submit test records.
- Arrange the prescribed emission testing through a competent/recognised testing agency or laboratory, where required by the applicable CPCB procedure, State Pollution Control Board/TPCB direction or tender condition; submit before-and-after or other required emission reports in the prescribed format.
- Submit RECD type-approval/certification, test reports, technical datasheets, operating and maintenance manuals, drawings, wiring diagrams, parts list, warranty certificate, OEM/authorised-dealer letter and applicable regulatory compliance documents.
- Remove installation debris and dispose of collected soot/particulate matter, spent filter media and other waste in accordance with applicable environmental and safety requirements. Provide waste handling instructions.
- Provide warranty support, troubleshooting and after-sales service during the warranty period, including response times stated in the bid.

SECTION 4: TECHNICAL SPECIFICATIONS AND COMPLIANCE

The specifications below are minimum functional requirements. The bidder shall complete the compliance schedule and attach documentary evidence for each requirement. Where a statutory certificate or the competent authority's direction specifies a particular classification, test cycle or performance level, that requirement shall prevail.

Sl. No.	Requirement	Minimum requirement/evidence to be submitted
1	Application	Suitable for each of the two existing 750 kVA Cummins DG sets; engine model and serial number to be verified during site survey.
2	Technology	Filter-based RECD technology suitable for the actual engine and operating profile. Bidder to state technology, filter media, regeneration/cleaning method and operating principle.
3	Regulatory status	Valid type approval/certification and test reports from the agency/route recognised under the applicable CPCB RECD procedure and/or relevant State Pollution Control Board/TPCB direction. State certificate number, issuing agency, date, model, capacity range and validity.
4	Emission performance	Meet the emission reduction/classification and test-cycle requirements applicable to this DG set and site, as specified by the competent authority. State guaranteed particulate matter reduction and attach the supporting test report. No unsupported self-declaration will suffice.
5	Engine compatibility	Written confirmation that the proposed RECD is suitable for the exact Cummins engine model and exhaust duty; include OEM/authorised dealer confirmation where required.
6	Back pressure	Total exhaust back pressure with RECD shall remain within the engine manufacturer's permissible limit under all specified operating conditions. Submit calculation/design data and verify during commissioning.
7	Operating range	Suitable for the DG set's actual load profile and exhaust temperature/flow range. State minimum operating conditions, limitations and any derating or operating restrictions.
8	Regeneration / cleaning	Describe automatic/manual regeneration or cleaning sequence, operating conditions, interlocks, consumables and maintenance intervals. System shall not create unsafe exhaust temperatures or unacceptable downtime.

Sl. No.	Requirement	Minimum requirement/evidence to be submitted
9	Regeneration / cleaning	Describe automatic/manual regeneration or cleaning sequence, operating conditions, interlocks, consumables and maintenance intervals. System shall not create unsafe exhaust temperatures or unacceptable downtime.
10	Construction	Materials and construction shall be suitable for exhaust temperature, vibration, corrosion and outdoor/site exposure. Submit general arrangement and installation drawings, if any.
11	Warranty	Minimum 12 months from successful commissioning and acceptance, or longer if specified in the final NIT/offer; warranty shall cover RECD equipment, controls and supplied accessories.
12	Documentation	Submit type approval/certificates, emission test reports, datasheets, O&M manuals, as-built drawings, if any, warranty, and commissioning report.

SECTION 5: BIDDER ELIGIBILITY AND DOCUMENTS

- Bidder shall be Cummins India Limited (OEM) or a duly authorised dealer/distributor permitted to offer and install the proposed RECD for the relevant Cummins DG set, if the approved procurement route requires this restriction. Submit a current authorisation letter covering supply, installation, commissioning, warranty and service in Telangana.
- Submit constitution/registration details, PAN, GST registration and bank details, as applicable.
- Submit a signed undertaking that the bidder has inspected the site and will verify all critical dimensions and engine data before manufacture/supply.
- Submit evidence of having supplied and commissioned comparable RECD/filter systems for DG sets of similar capacity, together with purchase orders and completion/commissioning certificates. CDFD shall define the required number/value and reference period before tender issue, proportionate to the procurement.
- Only the Original Equipment Manufacturer (OEM) of the DG set or their duly authorized dealers, shall be eligible to participate in the tender. A valid authorization letter from the OEM confirming the bidder's dealership/authorization shall be submitted along with the tender bid.
- Prevention of RECD Bypass: No device, arrangement, modification, or provision that bypasses, disables, or reduces the effectiveness/efficiency of the RECD system shall be permitted. The system shall be designed and installed in compliance with Clause 4.7.4 of the applicable CPCB norms.

- The bidder shall provide documentary evidence of authorized local service support for both the DG set and RECD system. The bidder shall have the capability to provide integrated AMC/service support for the DG set and RECD system as a package, including preventive maintenance, breakdown services, troubleshooting, and availability of essential spares.
- Site visit Certificate should be enclosed and without 'Site Visit Certificate' (issued by Executive Engineer), the tender will be summarily rejected.
- Submit manufacturer's technical datasheets, offered model details, capacity range, type-approval/certification, emission test report and a clause-by-clause compliance statement.
- Submit declarations regarding debarment/blacklisting, conflict of interest, correctness of information and acceptance of tender terms, in the format attached.
- Submit signed and stamped copies of all tender documents, corrigenda and addenda.

Any eligibility requirement that restricts competition shall be justified, proportionate to the work and approved before tender issue. CDFD shall not apply an undisclosed qualification condition after bid opening.

SECTION 6: BID SUBMISSION AND EVALUATION

6.1 Two-part bid

- Part I – Technical Bid: eligibility documents, authorisation, site survey/undertaking, technical offer, compliance schedule, certificates, test reports, warranty, and declarations. No price shall be disclosed in the technical bid. 'Site Visit Certificate' duly issued by Executive Engineer.
- Part II – Financial Bid: only the completed price schedule in the prescribed format, with rates and amounts in figures and words and applicable tax details.

6.2 Technical evaluation

The technical bid shall be evaluated against the published eligibility criteria and technical specifications. CDFD may seek clarifications in accordance with applicable procurement rules, but no material change to the bid or price shall be permitted through clarification. The offered RECD filter Technology must pass documentary verification of certification, capacity/application suitability, back-pressure compliance and statutory requirements.

6.3 Financial evaluation

Financial bids of technically responsive bidders shall be opened/evaluated as per the approved tender procedure. The evaluated price shall include all costs necessary for a complete operational installation, including equipment, filter modules, controls, accessories, packing, freight, transit insurance, unloading, installation, modifications, cabling, testing, commissioning, training, documentation, emission testing where included, taxes/duties and all other charges. Any exclusions shall be explicitly stated in the price schedule and shall be evaluated consistently.

Award shall be made to the lowest evaluated technically responsive bidder (L1), unless a different lawful evaluation method has been expressly approved and disclosed in the NIT.

SECTION 7: DELIVERY, INSTALLATION AND COMMISSIONING

1. The contractor shall coordinate with CDFD's Executive Engineer before delivery and before carrying out any shutdown-dependent work.
2. The contractor shall protect existing DG sets, exhaust piping, cables, buildings and services. Any damage caused by the contractor shall be repaired at its cost.
3. Installation shall be planned to minimise disruption to critical laboratory and standby power services. No DG set shall be taken out of service without written permission from CDFD.
4. The contractor shall verify exhaust back pressure and RECD operation during commissioning under agreed load conditions and record readings. CDFD may witness the tests.

SECTION 8: INSPECTION, TESTING AND ACCEPTANCE

The contractor shall submit an Inspection and Test Plan before installation. Tests shall include, as applicable:

- Verification of supplied equipment/model and serial numbers against the approved technical offer.
- Inspection of materials, mounting, exhaust joints and supports.
- DG set operation at agreed load points, including confirmation that exhaust back pressure remains within Cummins' permitted limit.
- Emission performance testing/reporting required by the applicable CPCB procedure and TPCB/competent-authority direction.
- Demonstration of safe shutdown, fault response, routine cleaning and maintenance procedure.

SECTION 9: WARRANTY AND AFTER-SALES SUPPORT

- Warranty shall be at least 12 months from the date of commissioning.
- Warranty shall cover defects in design, material, workmanship, controls, sensors, filter assembly and supplied accessories. Exclusions shall be specifically stated in the bid and shall not dilute statutory obligations.
- The contractor shall acknowledge a service complaint within [4] working hours and attend site within [24] hours or such other response time approved and stated in the NIT.
- Defective components shall be repaired or replaced without additional cost during warranty, including labour, travel and transport.

SECTION 10: PAYMENT TERMS

- Up to 80% of the accepted contract value may be considered after delivery, installation and successful commissioning, subject to receipt of invoice, inspection/acceptance records and all required documents.
- The balance 20% may be considered after submission and acceptance of the required emission/performance test reports, as-built documents, O&M manuals and warranty certificate.

SECTION 11: LIQUIDATED DAMAGES, PERFORMANCE SECURITY AND TERMINATION

The final NIT/contract shall state the applicable performance security percentage, form, submission deadline and validity in accordance with current GFR/CDFD rules. Do not insert a percentage until verified against the applicable rules and CDFD policy.

For delay attributable to the contractor, liquidated damages may be imposed at the rate and ceiling expressly stated in the final tender, subject to applicable rules and the contract. A proposed clause for review is: “LD at 0.5% of the value of the delayed portion per week or part thereof, subject to a maximum of 5% of the total contract value.”

CDFD may terminate the contract for material breach, failure to supply/commission, misrepresentation, repeated failure to meet the specifications or other grounds stated in the contract, after following the prescribed notice and cure process.

SECTION 12: GENERAL CONDITIONS

- The bidder shall examine the tender documents carefully. Submission of a bid shall be deemed acceptance of the terms, subject to any deviations expressly permitted and disclosed in the tender.
- No deviation, qualification or condition shall be inserted in the financial bid. Deviations, if invited, shall be listed only in the prescribed technical deviation schedule.

- The contractor shall comply with applicable labour, safety, electrical, fire, environmental and site-security requirements and CDFD instructions.
- The contractor shall not subcontract core design, supply or commissioning responsibilities without prior written approval, where such approval is required by the contract.
- All drawings, manuals, reports and test data relating to the supplied system shall be provided to CDFD in hard copy and searchable electronic format.
- The contractor shall maintain confidentiality and comply with CDFD security and access-control procedures.
- Force majeure, dispute resolution, jurisdiction, integrity pact (if applicable), conflict-of-interest requirements and other standard CDFD clauses shall be inserted from the approved institutional template.

Any corrigendum or amendment issued by CDFD shall form part of the tender documents.

SECTION 13 – PRICE SCHEDULE (FINANCIAL BID)

The bidder shall quote a complete price for both DG sets. The quoted price shall cover a complete, functional and compliant installation.

Sl. No.	**Description**	**Qty.**	**Unit rate (₹, excl. GST)**	**Amount (₹, excl. GST)**	**GST (%) / amount**	**Total incl. GST (₹)**
1	SITC of filter-technology RECD suitable for existing 750 kVA Cummins DG Sets, including all accessories, installation, testing, commissioning, documentation and warranty	02 Nos.				
	Grand Total	02 Nos.				

Bidder’s quoted total in words: _____

Authorized signatory, name, designation, seal and date:

_____

SECTION 14 – TECHNICAL COMPLIANCE SCHEDULE

Sl. No.	Tender requirement	Bidder's offered specification / response	Document reference / page	Comply (Yes/No)
1	RECD manufacturer and model			
2	Filter technology and regeneration/cleaning method			
3	Applicability to exact Cummins engine model / 750 kVA DG set			
4	Type-approval/certificate number, issuing agency and validity			
5	Applicable test cycle and emission reduction/classification			
7	Permissible and calculated/verified exhaust back pressure			
9	Warranty period and coverage			
10	Service response time and local service arrangements			
11	Delivery and commissioning period			

SECTION 15 – BIDDER DECLARATIONS

We certify that the information furnished in our bid and its annexures is true and correct; that the offered RECD filter Technology and all supplied components will comply with the tender and applicable statutory requirements; that the proposed system is suitable for the identified Cummins DG set application; and that we will provide installation, testing, commissioning, warranty and service support as quoted.

We confirm that we have disclosed all deviations and exclusions in the prescribed schedule and have not made any unauthorised alteration to the tender document.

Name of bidder: _____

Authorised signatory: _____

Designation: _____

Date and place: _____

Seal: _____

ANNEXURE A – SITE SURVEY DATA SHEET (TO BE COMPLETED BEFORE FINAL DESIGN)

Parameter	**DG Sets 1**	**DG Set 2**
DG set make / model / serial no.		
Engine make / model / serial no.		
Year of manufacture / commissioning		
Rated kVA / kW and voltage		
Typical operating load / load profile		
Exhaust outlet diameter and arrangement		
Existing silencer details		
Exhaust gas flow and temperature data/source		
Cummins maximum permissible exhaust back pressure and source		
Available installation space / access		
Power supply and earthing availability		
Applicable TPCB/CPCB direction / consent condition		
Proposed RECD model and certificate applicability		