

RECD Type Approval Certificate No	ARAI/MoEF/RECDTA/EOEPL-R1/2024-01	Date: 29 th August 2024
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**CERTIFICATE
OF
TYPE APPROVAL
FOR**

Cert	Rep	Spec + Drg	Total
2	38	80	120 Pgs

**COMPLIANCE TO PARTICULATE MATTER EMISSION
NORMS FOR RETROFIT EMISSION CONTROL DEVICE
ON IN-USE DIESEL GENSET ENGINE (up to 800 kW)**

1. In order to establish compliance to the provisions of Particulate Matter emission, applicable as on date, documental verification/ necessary testing was carried out on the following Retrofit Emission Control Device model(s), submitted by the manufacturer / supplier referred below:

Retrofit Emission Control Device Manufacturer (RECD Manufacturer, Assembler Type Approval Certificate Owner)		Retrofit Emission Control Device Manufacturing Plant			Test Report Reference
M/s. EO ENERGY PVT. LTD. Plot No-26, Kanwar Industrial Area Faridabad, Haryana, 121001		M/s. EO ENERGY PVT. LTD. Plot No-26, Kanwar Industrial Area Faridabad Haryana, 121001			EDL/RECDTA/EOEPL-R1/2024/01 dt. 26.08.2024
Retrofit Emission Control Device Model		RECD Class		RECD Family	System and Procedure
Parent		EO-ECSD90	Class II	R1	Pollution Control Series PCLS/12/2021-22
Engine Manufacturer		Tested Engine Model/s	Engine Family	Gross Engine Power	Engine Type approval Certificate No.
Phase I	M/s. Cummins India Ltd., Kothrud, Pune	6BTAA 5.9-G3	F18	154HP @1500 rpm	ARAI/MoEF/DGTA/CIL-D- F18/2010-089
RECD suitable for Phase I Certified Diesel Generator engine / engine families					See Annexure I

2. It is certified that the above-mentioned Retrofit Emission Control Device family/models comply with the emission limits applicable for In-Use Genset Diesel Engines (upto 800 kW), as prescribed under NGT Order O.A. No. 681/2018 dt. 06.08.2019.
3. The above R1 RECD Family / model is suitable for retro fitment of In-use DG Set manufactured for Phase I - On or after 1st July 2004 till 1st July 2014.
4. **Validity of the Certificate:**

This RECD Type Approval Certificate is Valid till	1. The validity of existing emission requirements as per NGT Order No. O.A. 681/2018 dated 06.08.2019 or until further amendment, whichever is earlier.
	2. No change in technical specification of the Retrofit Emission Control Device specified
	3. Explicitly the Type Approval Certificate withdrawn by the engine supplier
	4. Till CoP is not missed

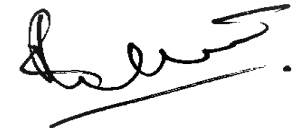
5. **Conformity of Production (CoP) requirements:**

COP test shall be carried out every year (between the period 1 st July and 30 th June) as per "System and Procedure for Emission Compliance Testing of Retro-fit Emission Control Devices (RECD) For IN-USE Diesel Power Generating Set Engines Up to Gross Mechanical Power 800 kW" or further amendment.
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AUTHORISED SIGNATORY



A. A. BADUSHA
SENIOR DEPUTY DIRECTOR & HEAD
HOMOLOGATION MANAGEMENT REGULATIONS,
VEHICLE CUM SAFETY EVALUATION & AUTO PLI CELL,
ARAI, PUNE.
Place of Issue: Pune



Dr. REJI MATHAI
DIRECTOR,
ARAI, PUNE.

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ANNEXURE-I

To

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Date: 29th August 2024
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RECD Family	R1	RECD Models	Parent	EO-ECSD90
List of applicable engine/engine families as per GSR371 (E)/ dated 17-May-2002 Phase I Certified In-use DG Sets for Corresponding RECD Models of RECD Family				
Manufacturers Name & Address	Engine Family	Engine Models	Rated Gross Mechanical Declared Power	TA Certificate Number
M/s. Cummins India Ltd., Kothrud, Pune	F18	6BTAA 5.9-G3	154HP @1500 rpm	ARAI/MoEF/DGTA/CIL-D-F18/2010-089 dated 01 st December 2010
Note	Engine details mentioned above are Sourced from : www.cpcb/nic/in			

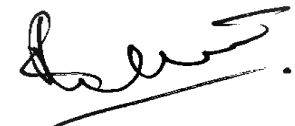
Disclaimer :

1. ARAI issues "Type Approval Certificates" (TAC) for RECD suitable for retrofitment of IN-USE Diesel Genset engine(s)/ components/ parts/ assemblies etc. based on the documents produced and /or prototype/s submitted by the applicant and testing thereof.
 2. ARAI issues TAC in compliance to "System and Procedure For Emission Compliance Testing of Retro-fit Emission Control Devices (RECD) For Diesel Power Generating Set Engines Up to Gross Mechanical Power 800 kW" published by CPCB (MoEF, Govt. of India) and their provisions as amended from time to time or any other statutory orders under which ARAI is authorised. Other Rules/ Acts are outside the purview/ scope of TAC.
 3. Test(s) on prototype(s) is/are carried out on the basis of standard procedures as notified under specific rules. Results of such tests are the property of bearer of TAC. These results cannot be disclosed unless specifically so ordered by Government, Court, etc.
 4. The bearer of the TAC is under obligation to ensure production strictly as per the provisions of the specific TAC.
 5. ARAI is not responsible for testing each RECD / components/ parts/ assemblies etc. for which TAC is issued. Further, ARAI is not responsible for ensuring manufacturing quality of the type approved RECD / components/ parts/ assemblies etc.
 6. ARAI is in no way responsible for any misuse or copying of any design/ type/ system in connection with entire RECD / components/ parts and assemblies covered under the TAC.
 7. Breach of any statutory provision of Indian laws or laws of other countries, will be the sole responsibility of the bearer of TAC and ARAI shall not be liable for any claims or damages. The bearer shall alone be liable for the same, and shall undertake to indemnify ARAI in this regard.
 8. ARAI has the right, but not under obligation, to initiate cancellation/ withdrawal of the certificate issued, in case of any fraud, misrepresentation, when it surfaces and comes in the knowledge of ARAI.
- The appropriate local courts at Pune shall have the jurisdiction in respect of any dispute, claim or liability arising out of this certificate / Report.



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