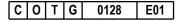
[National Automotive Board (NAB)]



EXTENSION-01

Date: 17th January 2025

TYPE APPROVAL CERTIFICATE

FOR

Cert	Report	Specs	Drg	Total
13	11	169	31	224 pgs

Retro-fit Emission Control Devices (RECD) Compliance

 Based on the verification of documents & trials conducted on RECD model "C2-CS1800-R8" (Family designation C2-R8) for below mentioned manufacturer and it is certified that the following RECD model complies with the provisions of Type Approval of CPCB System Procedure for Retro-fit Emission Control Devices (RECD) Compliance to Diesel Power Generating Set Engines Up to Gross Mechanical Power 800 kW, as per NGT Order/report "Report filed in O.A. No. 681/2018 dated 6.08.2019".

	Do	cumental F	Reference			REC	r		
[M/s Chakr Innov				ovation Pvt. Ltd.				
	C O T G 0128 dtd. 28/05/2024			Survey No. 236, Hissa No. 7 and Survey No. 237 Hinjewadi, Taluka Mulshi, Pune,					
				Maharashtra - 411057					
	Plant : Hinjewadi, Pune								
	RECD Family Designation			Engine Manufacturer				Tested Engine Model	
	C2-R8 M/s Kirloskar Oi				(irloskar Oi	Dil Engine Limited		DV8 SR1	
	RECD Model					Engine Cubic Capacity		Gross Engine Power	
	C2-CS1800-R8			15928 cm ³		294 kW @ 1500 rpm			
	-	e Baseline ssions	CPCB Stage	-I Class of RECD	Class II	Engine Manuf	acturing Date	December 2011	
	S. No. Item Description		Parent RECD Type		уре	RECD types within the RECD family (if applicable)			
	S. No. Item Description			Annexure-II					
				fied Diesel Genera	ator engine	Annexure-III			
2.	Validity of the Certificate								
_ r						• • •			

This Type Approval Certificate is valid for Genset engine CPCB Stage -I effective from 01.07.2004 to 30.06.2014.	a.	As per System and procedure for Emission Compliance of Retro-fit Emision Control Devices(RECD) for Diesel Power Generationg Set Engines up to Gross Mechanical power 800kW as per NGT Order/report "Report filed in O.A. No. 681/2018 dated 06.08.2019 or until further amendment in the MoEFCC rule, whichever is earlier.
	b.	No change in specified RECD technical specification.

3. It is certified that the above RECD Model (Details listed in Annexure-II)comply with the emission limits for Retro-fit Emission Control Devices (RECD) to Diesel Power Generating Set Engines having Gross Mechanical Power 114.9kW to 293.9kW, as prescribed under the following rules, notified by Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India:

	Rule No.	Description	Date
		System and procedure for Emission Compliance of Retro-fit Emision Control Devices(RECD)	
	CPCB-PCLS/12/2021-22	for Diesel Power Generationg Set Engines up to Gross Mechanical power 800kW as per NGT	01.02.2022
		Order/report "Report filed in O.A. No. 681/2018 dated 6.08.2019	

4. COP : COP shall be completed by 30.06.2025 as per CPCB Procedure, for details refer COP Annexure-I.

5 This certificate supercedes the earlier certificate COTG 0128 dt. 28/05/2024

AUTHORISED SIGNATORY

SITARAM KASHYAP	SAURABH DALELA	Page 1 of
DEPUTY GENERAL MANAGER	DIRECTOR	13