

**[National Automotive Board (NAB)]**

**C C T G 0231**

# CERTIFICATE

Date : 12<sup>th</sup> November 2024

Cert	Report	Total
02	05	07 pgs

**OF**  
**CONFORMITY OF PRODUCTION (CoP) FOR THE YEAR 2023-24**  
*for*

Retro-fit Emission Control Devices (RECD) Compliance to Diesel Power Generating Set Engines

**M/s Chakr Innovation Pvt. Ltd.**

**Plant: Hinjewadi, Pune**

- Based on the verification of documents and trials conducted on RECD model(s) **“Chakr Shield 2.0 C2-CS1800-R10-V2.3”** (Family **C2-R10**) manufactured by **M/s. Chakr Innovation Pvt. Ltd.**, randomly selected from their plant at **Hinjewadi, Pune**, it is certified that the following Retrofit Emission Control Devices model of family **C2-R10** complies with the provisions of Verification of the Conformity of Production (CoP) as per para 5.0 of System & Procedure (PCLS/12/2021-22) for 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”.

Notification No.	Date
<b>CPCB-PCLS/12/2021-22</b>	<b>01.02.2022</b>

- This certificate covers the Retrofit Emission Control Devices families and its models as listed in below table, declared by the manufacturer to have been produced / planned to be produced, during the stipulated period.

Fuel	Plant	RECD Manufacturer	Engine Power	Cubic Capacity (cm <sup>3</sup> )
Diesel	Hinjewadi, Pune	M/s Chakr Innovation Pvt. Ltd.	448.0 kW @ 1500 rpm	19900
RECD Family	C2-R10		Manufacturing Period	COP Year
Parent	Chakr Shield 2.0 C2-CS1800-R10-V2		01/07/2023 to 30/06/2024	2023 to 2024
S. No.	Item Description	Annexure-I		
Engine Baseline emissions	CPCB Stage -I	Class of RECD	Class II	

- Next CoP test shall be carried out before 01st July 2025 (i.e. once in a year) or after production of every 500 units for the above family, whichever is earlier.

<b>Type approval certificate no. for reference</b>	<b>COSG 0608 dt. 06/11/2023</b>
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<b>COP Report Reference</b>	<b>CC0ET 0429 Dt. 11.11.2024</b>
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<b>ICAT Case Reference</b>	<b>IOCS NO. 177178</b>	Please turn over for DISCLAIMER
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<b>AUTHORISED SIGNATORY</b>		
<b>SITARAM KASHYAP</b> DEPUTY GENERAL MANAGER	<b>SAURABH DALELA</b> DIRECTOR	Page 1 of 2