

[National Automotive Board (NAB)]

C O T G 0128

C OTG0128

TYPE APPROVAL CERTIFICATE

FOR

Dutc : 20 may 2024								
~	Cert Report		Specs	Drg	Total			
0	13	~N1	138 ^{<}	19	181 pgs			

Retro-fit Emission Control Devices (RECD) Compliance

1. 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".

to Gross Mechanical Power 800 kW, as	per NGT Order/r	eport "Report filed	in O.A. No. 681	2018 dated 6.08.2019	· 01.	28 17 24	
Documental Reference	e			REC	D Manufacture	r	
Current Certificate	Surve Maha	M/s Chakr Innovation Pvt. Ltd. Survey No. 236, Hissa No. 7 and Survey No. 237 Hinjewadi, Taluka Mulshi, Pune, Maharashtra - 411057 Plant: Hinjewadi, Pune					
RECD Family Designat	ion	Engine Manufacturer M/s Kirloskar Oil Engine Limited			Tested Engine Model		
C2-R8	alion of				ed Cr	DV8 SR1	
RECD Model				Engine Cubic Capacity		Gross Engine Power	
Air Part C2	CS1800-R8	18 "E CLIGHT" Tig. CJ.		15928 cm ³		294 kW @ 1500 rpm	
Engine Baseline emissions CPCB	Stage -I	Class of RECD	Class II	Engine Manufacturing Date		December 2011	
S. No. Item Descript	tion	Parent RECD Type		RECD types within the RECD family (if applicable)			
S. No. Item Descript		Annexure-II					
RECD suitable for Phase	Certified D	iesel Gener	ator engine	e / engine famil	lies	Annexure-III	

2. Validity of the Certificate

This Type Approval Certificate is valid for Genset engine CPCB Stage -I effective from 01.07.2004 to 30.06.2014.

- 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	
Ms C2	System and procedure for Emission Compliance of Retro-fit Emision Control Devices(RECD)	Tig. Chap.	
CPCB-PCLS/12/2021-22	for Diesel Power Generationg Set Engines up to Gross Mechanical power 800kW as per NGT	01.02.2022	
5180t PN	Order/report "Report filed in O.A. No. 681/2018 dated 6.08.2019	20:20	

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

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300	SITARAM KASHYAP DEPUTY GENERAL MANAGER	* MANESAR * KS	Mak Huong	SAURABH DALELA DIRECTOR	61800.R8 M	Page 1 of