

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

**C O T G 0245**

Date : 05<sup>th</sup> December 2024

**TYPE APPROVAL CERTIFICATE**

FOR

**Retro-fit Emission Control Devices (RECD) Compliance**

| Cert | Report | Specs | Drg | Total  |
|------|--------|-------|-----|--------|
| 08   | 13     | 60    | 11  | 92 pgs |

1. Based on the verification of documents & trials conducted on RECD model "MMW/DAT-SAT.5" (Family designation MMW/DAT-SAT-Filter) 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".

| Documental Reference   |                  | RECD Manufacturer  |  |                           |   |
|--|------------------|--|--|---------------------------|---|
| Current Certificate  |                  | M/s Maxmoc Motor Works India Pvt. Ltd.<br>273/3B Ponnusamy Nagar, A Zone, Alkkuvarpatti, Dindigul - 624001<br>Plant : Dindigul |  |                           |   |
| RECD Family Designation  |                  | Engine Manufacturer  |  | Tested Engine Model       |   |
| MMW/DAT-SAT-Filter   |                  | M/s Cummins India Limited  |  | QSB5.9 G1<br>X2.7TAA-G2   |   |
| RECD Model   |                  |  | Engine Cubic Capacity                        |                           | Gross Engine Power                                |
| MMW/DAT-SAT.5  |                  |  | 5883 cm <sup>3</sup><br>2700 cm <sup>3</sup> |                           | 137.2 kW @ 1500 rpm<br>28.7 kW @ 1500 rpm         |
| Engine Baseline emissions  | CPCB Stage -II   | Class of RECD  | Class II                                     | Engine Manufacturing Date |   |
|  |                  |  |  | December 2016             |   |
| S. No.   | Item Description |  | Parent RECD Type                             |                           | RECD types within the RECD family (if applicable) |
|  |                  |  |  |                           | Annexure-II                                       |
| RECD suitable for Phase II Certified Diesel Generator engine / engine families |                  |  |  |                           | Annexure-III                                      |

2. **Validity of the Certificate**

|   |    |   |
|---|----|---|
| This Type Approval Certificate is valid for Genset engine CPCB Stage -II effective from 01.07.2014 to 30.06.2023. | a. | As per System and procedure for Emission Compliance of Retro-fit Emission Control Devices(RECD) for Diesel Power Generating 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 **28.7kW to 137.2kW**, as prescribed under the following rules, notified by **Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India:**

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

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

| AUTHORISED SIGNATORY                      |                            |                |
|---|----------------------------|----------------|
| SITARAM KASHYAP<br>DEPUTY GENERAL MANAGER | SAURABH DALELA<br>DIRECTOR | Page 1 of<br>8 |