

COP Annexure-I

Criteria*	COP Required
RECD Manufacturer/Importer/Retrofitter	RECDs fitted on engines of all ratings shall be subjected to the verification of CoP once for every 500 units per family or once a year, whichever is earlier Wherever applicable, RECDs fitted on engines of all ratings of engines shall be subjected to the verification of PCD once every CoP-year by PCD family (ies) representative RECD(s). Such demonstration is PCD family dependent and irrespective of combined volumes produced and sold under such family (ies)

* As Applicable

Annexure-II

S No	Item Description	Parent RECD Type	RECD types within the RECD family (if applicable)
		Type 1	Type 2
1	Manufacturing Plant address	M/s Maxmoc Motor Works India Pvt. Ltd. SK Fuels Opposite, NH44, Dindigul to Madurai Main Road, Alamarathupatti PO, Dindigul - 624303	
2	Manufacturer's trade name or mark	M/s Maxmoc Motor Works India Pvt. Ltd.	
3	RECD family designation	MMW/DAT-SAT	
4	RECD type/model designation	MMW/DAT-SAT.19	MMW/DAT-SAT.20
5	RECD Category (Domestic/Imported)	Domestic	
6	Class of RECD	Class II	
7	Type Identification of the RECD	Continuous	
8	Location of type ID marking	Refer Specification no. MMW/RECD/22/11/2024 dtd. 22/11/2024 Clause no 1.8	
9	Identifying part number(s) of the RECD	MMW/DAT-SAT.19 Series 8000	MMW/DAT-SAT.20 Series 8000
10	Engine/ Engine-Family for which the RECD is intended (application range)	KTA-38-G17	
11	PM Reduction Efficiency of the RECD	89.15%	
12	Designed for fitment to an engine meeting the emissions requirements of (Regulation and Stage):	CPCB Stage -II	

ICAT Ref No. 2024-0529; IOCS No: 174760

Base Engine Type Approval Certificate number ARAI/MOEF/DGTA/CILP-F30/2018-30"

Test Report Reference CT0ET 0466 dt. 06/12/2024

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Annexure-III

List of applicable engine(s) as per 771(E) dtd. 11.12.2013 and GSR 232(E) dtd. 31.03.2014 Phase II certified In -Use DG sets for corresponding RECD models of RECD Family.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
1	FMTU power system pvt. Ltd. Gat No. 450/1/B1 & 1/B3 Part, Indospace Industrial Park, Mahalunga Chakan, Msharashtra	F6	12V1600G80F/3D	634 kW	ARAI/MoEF/DGTÀ/FMTU-F6/2021-01 Dt. 07-06-2021
2			12V1600G20F/3B	576 kW	
3			12V1600G70F/3D	576 kW	
4			12V1600G10F/3B	524 kW	
5	Cummins Irdia Ltd. Kothrud, Pune 411038	F33	QSK 19-G7	618 kW	ARAI/MoEF/DGTA/CILP-F33/2014-07-E1,Dt.26-3-2015
6			QSK 19-G6	583 kW	
7	Perkins India Private Limited 7th Floor, International Tech Park , Taramani Road, Taramsni, Chennai 600113 Tamil Nadu, India	F14	4006D-E23TAG2S	732 kW	ARAI/MoEF/DGTA/PEL-F14/2018-08-E2 Dt. 16-05-2019
8			4006D-E23TAG2P	668 kW	
9			4008D-E30TAG2P	799 kW	
10			4008D-E30TAG1P	720 kW	
11	Cummins India Limited, Cummins India Office Campus Tower A, 5th Floor Survey No. 21, Balewadi, Pune,411045	F54	KTA38-G12	797 kW	ARAI/MoEF/DGTA/CILP-F54/2015- 24 Dated: 03-Dec-2015
12			KTA38-G13	736 kW	
13	Cummins India Limited, Dahanukar Colony, Kothrud, Pune-411038, Maharashtra, India	F30	KTA38-G17	797 kW	ARAI/MoEF/DGTA/CILP-F30/2018- 30-E1 Dated: 28-Jun-2019
14			KTA38-G11	797 kW	
15			KTA38-G10	736 kW	
16	Kirloskar Oil Engines Ltd. Khadki, Pune	F119	DV12ETA G11	663 kW	ARAI/MoEF/DGTA/KOEL- F119/2016-19-E2 Dated 29-Jan-2019
17			DV16ETA G2	799 kW	
18	M/s. Baudouin (Weifang) Power Co.,Ltd.,Add : No. 197A, Fushou East Street., High-new Technology, Industrial Development Zone,Weifang, Shandong, China.	6M33D	6M33D660E310	660kW	ICAT/MOEF/DGTA/IMP/BWPCL- 6M33D/M- 1736-E01 dt. 05.06.2018
19			6M33D633E310	575 kW	
20		8M21G	8M21G688/5e3	550 kW	ICAT/MoEFCC/DGTA/IMP/BWPCL- 8M21G/P-0401 Dt. 28-02-2020
21	M/s. Shandong Heavy Industry India Pvt. Ltd., Add: Survey No. 280/281,Hinjawadi Phase II, Village Mann, Taluka Mulshi, Pune - 411057, Maharashtra,India	8M21G	8M21G688/5e3	550kW	ICAT/MoEFCC/DGTA/ SHIPL- 8M21G/P- 0400 dt. 28.02.2020
22		6M21G	6M21G500/5e3	410 kW	ICAT/MoEFCC/DGTA/ SHIPL 6M21G/P - 1725 dt. 30.11.2020
23		8M21G	8M21G688/5e3	460 kW	ICAT/MoEFCC/DGTA/SHIPL 8M21G/P- 0400 Dt. 28-02-2020
24	Caterpillar Irdia Pvt. Ltd 7th Floor International Tech Park , Taramani Road, Taramanl, Chennai, Tamilnadu 600 113	F12	CAT-C18-2GP-1	540 kW	ÀRAI/MoEF/DGTA/CIPL-F12/2017-05-E2 Dt. 28-06-2019

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Annexure-III Cont.					
S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
25	Kirloskar Oil Engines Ltd. Khadki, Pune	F115	DV10TA G1	447.1 kW	ARAI/MoEF/DGTA/KOEL-F115/2014-01-E1, Dt. 11-09-2019
26		F115	DV12TA G2	551.6 kW	ARAI/MoEF/DGTA/KOEL- F115/2014-01-E1, Dated 11-Sep-2019
27			DV12TA G1	531.7 kW	
28	Perkins India Private Limited, 7th Floor, International Tech Park , Taramani Road, Taramani, Chennai-600113, Tamil Nadu, India	F12	Perkins-2806D- E18TAG1A	540 kW	ARAI/MoEF/DGTA/PIPL- F12/2017-07-E2 Dated 28-June-2019
29		F10	Perkins-2506D- E15TAG2	454 kW	ARAI/MoEF/DGTA/PIPL-F10/2017-06-E1 Dated 7-May-2019
30	Volvo India Private Limited Volvo Penta.Yalachahaly, Tavarekere Post,Hosakote TQ Bangalore, Karnataka-562122	F12	TWD1653GE	564 kW	ARAI/MoEF/DGTA/IMP/VOLVO-F12/2014-02-E1 Dt 30.06.2015
31			TWD1652GE	522 kW	
32		F11	TAD1651GE	441 kW	ARAI/MoEF/DGTA/IMP/VOLVO F11/2014-01-E1 Dated 30-Jun-2015
33	Cummins India Limited Dahanukar Colony, Kothrud, Pune-411038, Maharashtra, India	F57	KTAA19-G12	532 kW	ARAI/MoEF/DGTA/CILP-F57/2017-28 E2 Dt. 07-10-2019
34		F57	KTAA19-G13	551 kW	ARAI/MoEF/DGTA/CILP-F57/2017-28 E2 Dt. 07-10-2019
35					
36	M/s. Cummins India Ltd. Cummins India Office Campus, Tower A, 5th Floor, Survey No.21, Balewadi, Pune 411045	F43	KTAA19-G11	458 kW	ARAI/MoEF/DGTA/CILP-F43/2014-06-E2 Dated: 26-Aug-2016
37	Greaves Cotton Ltd. Industrial Engines Unit, Plot No.J 2/A, MIDC Chikalthana, Aurangabad- 431210	F500	12V14TAG23	444 kW	ARAI/MoEF/DGTA/GCLP-F500/2014-01-E4, Dt. 18-08-2021

Note: Engine details mentioned above are sourced from : www.cpcb.nic.in

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SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR