

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	Type 3	Type 4	
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.15	MMW/DAT-SAT.16	MMW/DAT-SAT.17	MMW/DAT-SAT.18	
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/21/11/2024 dtd. 21/11/2024 Clause no 1.8				
9	Identifying part number(s) of the RECD	MMW/DAT-SAT.15 Series 4000	MMW/DAT-SAT.16 Series 4000	MMW/DAT-SAT.17 Series 4000	MMW/DAT-SAT.18 Series 4000	
10	Engine/ Engine-Family for which the RECD is intended (application range)	C15-2GP-1 6L8.9TAA-G4				
11	PM Reduction Efficiency of the RECD	95.21%				
12	Designed for fitment to an engine meeting the emissions requirements of (Regulation and Stage):	CPCB Stage -II				

ICAT Ref No.	2024-0528; IOCS No: 176711
Base Engine Type Approval Certificate number	ARAI/MOEF/DGTA/CILP-F56/2015-25 ARAI/MOEF/DGTA/IMP/CIUSAF2/2014-D1-E1
Test Report Reference	CT0ET 0465 dt. 04/12/2024

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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	Perkins India Private Limited, 7th Floor, International Tech Park ,	F11	Perkins-2206D- E13TAG3	367 kW	ARAI/MoEF/DGTA/PIPL-F11/2019- 09-E1 Dated 28-Jun-2019
2	Taramani Road, Taramani, Chennai-600113 Tamil Nadu, India	F10	Perkins-2506D- E15TAG2	454 kW	ARAI/MoEF/DGTA/PIPL-F10/2017- 06-E1 Dated 7-May-2019
3	Deutz Engines India Pvt. Ltd., 6, Ramabai Ambedkar Road, B Wing, 4th Floor, Heritage House, Pune 411001. Maharashtra, India	F1	TCD2013L064V	250.7 kW	ARAI/MoEF/DGTA/IMP/DEIPL-F1/2015-01,Dt. 11-09-2015
3	Greaves Cotton Ltd. Industrial Engines Unit, Plot No.J-2/A, MIDC Chikalhana, Aurangabad-431210	F321	D3V8TAG21	284 kW	ARAI/MoEF/DGTA/GCLP-F321/2016-13-E1, Dt. 18-08-2021
4		F500	12V14TAG21		ARAI/MoEF/DGTA/GCLP-F500/2014-01-E4, Dt. 18-08-2021
5			12V14TAG23	444 kW	
6			F251	D3V6TAG21	227 kW
7	Cummins India Ltd. Kothrud, Pune 411038	F31	QSN14-G3	396 kW	ARAI/MoEF/DGTA/CILP-F31/2014- 04 Dated: 25-Mar-2014
8			QSN14-G1	344 kW	
9			QSN14-G2	363 kW	
10			QSN14-G4	319 kW	
11			QSN14-G5	346 kW	
12	Kirloskar Oil Engines Ltd. Khadki, Pune	F115	DV8TA G1	294.2 kW	ARAI/MoEF/DGTA/KOEL-F115/2014-01-E1,Dt. 11-09-2019
13			DV8TA G2	345.6 kW	
14			DV10TA G1	447.1 kW	
15			DV8TA G3	360.3 kW	
16	M/s. Mahindra Heavy Engines Pvt. Ltd. Plot # A-1/1, Chakan Industrial Area, Phase-IV, Village Nigoje, Chakan, Taluka- Khed, Pune-410501	F23	mPower 63905G	287 kW	ARAI/MoEF/DGTA/MHEL-F23/2017-06 dt. 27.06.2017
17			mPower 63655G	269 kW	
18			mPower 63405G	250kW	
19					
20	Volvo India Private Limited Volvo Penta. Yalachahally, Tavarekere Post, Hosakote TQ, Bangalore, Karnataka-562 122	F13	TAD1351GE	286 kW	ARAI/MoEF/DGTA/IMP/VOLVO-F13/2014-03-E1,Dt. 30-06-2015
21			TAD1352GE	325 kW	
22			TAD1354GE	339 kW	
23			TAD1355GE	369 kW	
24	Volvo India Private Limited Volvo Penta. Yalachahally, Tavarekere Post, Hosakote TQ, Bangalore, Karnataka-562 122	F11	TAD1651GE	441 kW	ARAI/MoEF/DGTA/IMP/VOLVO-F11/2014-01-E1 Dated 30-Jun-2015
25			TAD1650GE	402 kW	
26	Caterpillar India Pvt. Ltd, 7th Floor, International Tech Park , Taramani Road, Taramani, Chennai, Tamilnadu 600 113	F11	CAT-C13-2GP-1	367 kW	ARAI/MoEF/DGTA/CIPL-F11/2019- 06-E1 Dated: 28-Jun-2019

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S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
27		F11	6M19G275/5E3	255 kW	ICAT/MoEFCC/DGTA/SHIPL-F11/N-2137, Dt. 16-11-2018
28			6M19G320/5E3	290 kW	
29	Ms. Shandong Heavy Industry India Pvt. Ltd. Add: Survey No.	F12	6M16G250/5E3	240 kW	ICAT/MoEFCC/DGTA/IMP/BWPCL-F12/N-2145, Dt. 19-11-2018
30	280/281, Hlnjawadi Phsse II, Village Mann, Taluka Mulshi, Pune - 411057, Maharashtra, India	6M21G	6M21G352/5e3	290 kW	ICAT/MoEFCC/DGTA/ SHIPL- 6M21G/P-1725 dt. 30.11.2020
31			6M21G500/5e3	410 kW	
32			6M21G440/5e3	365 kW	
33		8M21G	8M21G688/5e3	460 kW	ICAT/MoEFCC/DGTA/SHIPL-8M21G/P-0400 Dt. 28-02-2020
34	Baudouin (Weifang) Power Co. Ltd. No. 197A, Fushou East Street., High-new Technology, Industrial Development Zone, Weifang, Shandong, China.	F11	6M21G352/5e3	290 kW	ICAT/MoEFCC/DGTA/IMP/BW PCL-F11 F11/N-2138, Dt. 16-11-2018
35					
36		F12	6M16G250/5E3	240 kW	ICAT/MoEFCC/DGTA/IMP/BWPCL-F12/N-2145, Dt. 19-11-2018
37		6M21G	6M21G352/5e3	290 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL-6M21G/P-1726 dt. 30.11.2020
38					
39		6M33D	6M33D506E310	460 kW	ICAT/MOEF/DGTA/IM P/BWPCL-6M33D/M-1736-E01Dt. 05-06-2018
40		6M16G	6M16G4D2/5	290 kW	ICAT/MOEF/DGTA/IMP/BWPCL-6M16G/P-0838-E01Dt. 06.07.2020
41	6M21G5	6M21G2D/5	365 kW	C O Q G 0652 dt. 02.08.2021	
42	M/s. Cummins India Ltd. Cummins India Office Campus, Tower A, 5th Floor, Survey No. 21, Balewadi, Pune 411045	F50	QSL9 G16	249 kW	ARAI/MoEF/DGTA/CILP-F50/2017-27-E3 dt. 04.01.2019
43			QSL9 G15	298 kW	
44		F56	6L8.9TAAG-4	250 kW	ARAI/MoEF/DGTA/CILP-F56/2015-25-E2 dt. 07.02.2018
45	F43	KTAA19-G11	458 kW	ARAI/MoEF/DGTA/CILP-F43/2014- 06-E2 Dated: 26-Aug-2016	
46	M/s. Scania Commercial Vehicles India Pvt. Ltd., Plot No.63, (part), 64-66, 88-97, Narsapur, KIADB Industrial Area, Achhatanahalli Village, Narsapur Hobli, Kolar Taluk, District Kolar, Karnataka, PIN-563130	F1	DC09 071A 248	248 kW	ARAI/MoEF/DGTA/IMP/SCANIA-F1/2015-01-E1 Dated 25-Jul-2017
47			DC13071A 364	364 kW	
48			DC09 071A 267	267 kW	
49			DC16 071A 438	438 kW	
50			DC09 071A 289	289 kW	
51			DC13 071A 325	325 kW	
52	FMTU power system pvt.Ltd. Gat No. 450/1/B1 & 1/B3 Part, Indospace Industrial Park, Mahalunge Chakan, Maharashtra Pune 410 501.	F6	10V1600G10F/3B	407 kW	ARAI/MoEF/DGTA/FMTU- F6/2021-01 Dated: 07- June 2021
53			10V1600G20F/3B	448 kW	
54			10V1600G70F/3D	448 kW	
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55	Caterpillar India Pvt. Ltd, 7th Floor, International Tech Park, Taramani Roa , Taramani, Chennai, Tamilnadu 600 113	F2	CAT-C15-2GP-1	454 kW	ARAI/MoEF/DGTA/CIPL-F2/2017- 04-E1 Dated: 7-May-2019
Note: Engine details mentioned above are sourced from : www.cpcb.nic.in					

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