

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	NIL
1	Manufacturing Plant address	M/s Automoto Genset Solutions LLP, Plot No. B-9/2 Phase-I, Badli Industrial Area, Landmark Samaypur Badli Metro Station, North Delhi, Delhi- 110042	
2	Manufacturer's trade name or mark	M/s Automoto Genset Solutions LLP	
3	RECD family designation	F1232-CII	
4	RECD type/model designation	AM05/1	NIL
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. Automoto-RECD-AM05/1-REV 0 dtd. 24/09/2024 Clause no 1.8	
9	Identifying part number(s) of the RECD	AM5070/C1	NIL
10	Engine/ Engine-Family for which the RECD is intended (application range)	KTA-38-G2-I	
11	PM Reduction Efficiency of the RECD	90.76%	
12	Designed for fitment to an engine meeting the emissions requirements of (Regulation and Stage):	CPCB Stage -I	
ICAT Ref No. 2024-1141; IOCS No: 180485			
Base Engine Type Approval Certificate number ARAI/MOEF/DGTA/CIL-F14/2004-44"			
Test Report Reference CT0ET 0404 dt. 23/10/2024			
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SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR	

Annexure-III

List of applicable engine(s) as per GSR 371(E) dtd. 17.05.2002, GSR 520(E) dtd. 01.07.2003 and GSR 448(E) dtd. 12.07.2004 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	HPL, Hosur	F4	3412DITA-GS-2	586 kW	ARAI/MOEF/DGTA/HPL-F4/2004-032 dt. 28-07-2004
2			3412DITA-GS-1	553 kW	
3			3412DITA-GP-2	494 kW	
4	HPL, Hosur	F5	3412DITA-GS-3	696 kW	ARAI/MOEF/DGTA/HPL/F5/2004-033 dt. 28-07-2004
5			3412DITA-GP-3	633 kW	
6	Volvo	F1	TAD1642GE(P)	485.1 kW	ARAI/MOEF/DGTA/VOLVO-F1/2005-03 dt. 03-03-2005
7	Cummins India Ltd., Pune	F15	VTA28-G5I	559.5 kW	ARAI/MOEF/DGTA/CIL-F15/2005-16 dt. 01-06-2005
8	HPL, Hosur	F4	3412DITA-GP-1	586 kW	ARAI/MOEF/DGTA/HPL-F4/2006-018 dt. 18-08-2006
9			3412DITA-GP-2	533 kW	
10	MTU Detroit Diesel India Pvt. Ltd.	F1	12V2000G23TD13B	565 kW	ARAI/MOEF/DGTA/MTU-F1/2006-027 dt. 18-10-2006
11			12V2000G23TD/3D	625 kW	
12			12V2000G63TD/3D	625 kW	
13			12V2000G63TD/3D	680 kW	
14	CPIPL, Hosur	F4	3412 DITA GS-2	586 kW	ARAI/MOEF/DGTA/CPIPL-F4/2007-005 dt. 12-02-2007
15			3412 DITA GS-1	494 kW	
16			3412 DITA GP-2	533 kW	
17	CPIPL, Hosur	F5	3412 DITA GS-3	696 kW	ARAI/MOEF/DGTA/CPIPL-F5/2007-006 dt. 12-02-2007
18			3412 DITA GP-3	633 kW	
19	CPIPL, Hosur	F6	C-18-GS-3	592 kW	ARAI/MOEF/DGTA/CPIPL-F6/2007-007 dt. 12-02-2007
20			C-18-GS-1	509 kW	
21			C-18-GP-2	498 kW	
22			C-18-GS-2	548 kW	
23			C-18-GP-3	527kW	
24	Kirloskar Electric Co. Ltd., Gokul Road, Hubli-580030, Karnataka	F24	12VKK135IBZLD2	475 kW	ARAI/MOEF/DGTA/KECL-F24/2010-008 dt. 16-02-2010
25	Cummins India Ltd., Pune	F14	KTA38G2-I	663.9 kW	ARAI/MOEF/DGTACIL-F14/2007-046 dt. 07-08-2007
26	Kirloskar Oil Engines, Khadki, Pune	F23	DV12	559 kW	ARAI/MOEF/DGTA/KOEL-F23/2007-047 dt. 24-08-2007
27	Cummins India Ltd., Pune	F15	VTA28-G5I	560 kW	ARAI/MOEF/DGTA/CIL-F15/2007-055 dt. 31-08-2007
28			VTA28-G3I	530 kW	

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S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
29	Volvo India Pvt. Ltd., Bangalore	F6	TWD1643GE	536 kW	ARAI/MOEF/DGTA/VOLVO-F6/2007-056 dt. 22-08-2007
30	Cummins India Ltd., Pune	F26	QSK-23-G3I	656 kW	ARAI/MOEF/DGTA/CIL-F26/2007-059 dt. 20-09-2007
31	MTU, Pune	F1	12V2000G23TD/3S	625 kW	ARAI/MOEF/DGTA/IMP/MTU-F1/2007-066 dt. 18-10-2007
32			12V2000G23TD/3B	565 kW	
33			12V2000G63TD/3B	625 kW	
34			12V2000G63TD/3D	680 kW	
35	Caterpillar India Pvt. Ltd., Mathagondapalli, TN	F4	3412 DITA-GS-2	586 kW	ARAI/MOEF/DGTA/CIPL-F4/2008-020 dt. 21-05-2008
36			3412 DITA-GS-1	494 kW	
37			3412 DITA-GP-2	533 kW	
38	Caterpillar India Pvt. Ltd., Mathagondapalli, TN	F5	3412 DITA-GS-3	696 kW	ARAI/MOEF/DGTA/CIPL-F5/2008-021 dt. 21-05-2008
39	Caterpillar India Pvt. Ltd., Mathagondapalli, TN	F6	C-18-GS-3	592 kW	ARAI/MOEF/DGTA/CIPL-F6/2008-022 dt. 21-05-2008
40			C-18-GS-1	509 kW	
41			C-18-GP-2	498 kW	
42			C-18-GS-2	548 kW	
43			C-18-GP-3	527 kW	
44	Kirloskar Oil Engines Ltd., Khadki, Pune	F27	12K22TA-4V	569 kW	ARAI/MOEF/DGTA/KOEL-F27/2008-045 dt. 25-08-2008
45			12K22 TA4VSRI	612 kW	
46	MTU India Pvt., Ltd., Pune	F2	12V2000G65-TD/3B	695 kW	ARAI/MOEF/DGTA/IMP/MTU-F2/2008-060 dt. 30-09-2008
47			12V2000G25-TD/3B	580 kW	
48			12V2000G25-TD/3D	635 kW	
49	Caterpillar Inc.100 NE Adams,Peoria,IL,USA.	F1	C-15-GS-1	495 kW	ARAI/MOEF/DGTA/IMP/CIUSA/F1/2010-011 dt. 16-02-2010
50	Prime Energy Pvt. Ltd., Surver No. 108/1, Village Kala, Silvassa, UT - 396230	F5	S6R2-B1PTA-S	688 kW	ARAI/MOEF/DGTA/IMP/MHI-F5/2010-063 dt. 30-03-2010
51	MTU Friedrichshafen GmbH, Nussdorferstrasse 88662 Uberlingen Germany	F3	12V1600G80F	634 kW	ARAI/MoEF/IMP/DGTA/MTU-F3/2010-098 dt. 10-01-2011
52			10V1600 G80F	493 kW	
53			12V1600 G10F	524 kW	
54			12V1600 G20F	576 kW	
55			12V1600 G70F	576 kW	
56	Kirloskar Oil Engines Ltd. Khadki, Pune-411003	F23	DV12	532 kW	ARAI/MoEF/DGTA/KOELK-F23/2010-101 dt. 03-02-2011
57	Kirloskar Oil Engines Ltd. Khadki, Pune-411003	F36	DV12SR1	552 kW	ARAI/MoEF/DGTA/KOELK-F36/2010-102 dt. 17-01-2011

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S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
58	AB VOLVO PENTA, SE40508, GOTHENBURG, SWEDEN	F9	TAD1642GE	504 kW	ARAI/MOEF/DGTA/IMP/VOLVO-F9/2011-016 dt. 02-05-2011
59	DEUTZ AG Otto Str. 1, D-51149 Cologne, Germany	F10	BF8M1015CP	490 kW	ARAI/MoEF/DGTA/IMP/DEU-F10/2011-034, dt. 27-07-2011
60	Cummins India Ltd. Kothrud, Pune 411038	F33	QSK19-G7-S	618 kW	ARAI/MoEF/DGTA-II/CILP-F33/2012-026 dt. 05-10-2012
61			QSK19-G6-P	531kW	
62			QSK19-G6-S	583kW	
63			QSK19-G7-P	564kW	
64	MTU India Pvt. Ltd., 159/1, Tathawade, Pune-Mumbai Highway, Pune 411033	F6	10V1600G80F	493 kW	ARAI/MoEF/DGTA-II/IMP/MTU-F6/2013-35 dt. 30-04-2013
65		F7	12V2000G56F	665 kW	ARAI/MoEF/DGTA-II/IMP/MTU-F7/2013-36 dt. 30-04-2013
66	Deutz AG, Germany Ottostrasse 1, D- 51149 Koln (Porz-Eil) /Germany	F10	BF8M1015CP	490 kW	ARAI/MoEF/DGTA-II/IMP/DEU-F10/2013-39 dt. 09-05-2013
67	MTU India Pvt. Ltd., 159/1, Tathawade, Pune-Mumbai Highway, Pune 411033	F2	12V2000G25 TD/3D	635 kW	ARAI/MoEF/DGTA/IMP/MTU-F2/2008-060- E2 dt. 30-04-2013
68			12V2000G65 TD/3B	580 kW	
69			12V2000G25 TB/3B	695 kW	
70			12V2000G25 TB/3D	635 kW	
71			12V2000G65 TB/3B	695 kW	
72	AB VOLVO PENTA, SE40508, GOTHENBURG, SWEDEN	F12	TWD1653GE	564 kW	ARAI/MOEF/DGTA-II/IMP/VOLVO-F12/2013- 066 dt. 13-12-2013
73			TWD1652GE	522 kW	

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

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