

## 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 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	AM05/2	AM06/2
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-AM05/2-REV 0 dtd. 13/09/2024 Clause no 1.8	
9	Identifying part number(s) of the RECD	AM4062/C2	AM3240/C2
10	Engine/ Engine-Family for which the RECD is intended (application range)	C15-2GP-1 QSB 5.9 G2	
11	PM Reduction Efficiency of the RECD	95.94%	
12	Designed for fitment to an engine meeting the emissions requirements of (Regulation and Stage):	CPCB Stage -II	
ICAT Ref No. 2024-0635; IOCS No: 178675			
Base Engine Type Approval Certificate number ARAI/MOEF/DGTA/IMP/CIUSA-F21/2014-01-E1 ARAI/MoEF/DGTA/TCL-F40/2017-07			
Test Report Reference CT0ET 0370 dt. 21/09/2024			
AUTHORISED SIGNATORY			
SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR	

## 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	Ashok Leyland Ltd., 175, Hosur Sipcot Industrial Complex, Rajaji Nagar, Hosur- 635126	F25	AL6DTIDG4	147 kW	ARAI/MoEF/DGTA/ALL-F25/2014-02-E1,Dt. 26-06-2014
2	Ashok Leyland Ltd., kathivakkam High Road, P.O.Box No.3, Ennore, Chennai-60005	F40	AL8NTIDG5	180 kW	ARAI/MoEF/DGTA/ALL-F40/2015-11-E1,Dt. 02-09-2016 ARAI/MoEF/DGTA/ALL-F40/2015-11 dt. 04.09.2015
3	Ashok Leyland Ltd., No.1, Sardar Patel Road, Guindy, Chennai - 600032		AL8NTIDG6	223 kW	
4	Cooper Corporation Pvt. Ltd Plot no. M60-1, Engine Division Post- Kodoli, Addl. MIDC Satara, 415003	F14	6G5D1C228IW	228 kW	ARAI/MoEF/DGTA/CCPL-F14/2017-07 Dt. 18-08-2017
5		F10	6B5D1C190RW	190 kW	ARAI/MoEF/DGTA/CCPL-F10/2014-04- E1 Dt. 17-08-2015
6			6B5D1C150RW	150 kW	
7			6B5D1C170RW	170 kW	
8	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
9	DEUTZ AG Ottostrasse 1, D-51149, Koln (Porz- Eil) / Germany	F4	TCD2013 L062V (D3UC151)	151 kW	ARAI/MoEF/DGTA/IMP/DEIPL-F4/2016- 04 Dt. 08-06-2016
10	Greaves Cotton Ltd. Industrial Engines Unit, Plot No.J- 2/A, MIDC Chikalthana, Aurangabad- 431210	F321	D3V8TAG21	284 kW	ARAI/MoEF/DGTA/GCLP-F321/2016-13- E1, Dt. 18-08-2021
11		F500	12V14TAG21	284 kW	ARAI/MoEF/DGTA/GCLP-F500/2014-01- E4, Dt. 18-08-2021
12			12V14TAG23	444 kW	
13		F201	6G11TAG29	178.8 kW	ARAI/MoEF/DGTA/GCLP-F201/2015-11- E2 Dt. 18-08-2021
14			6G11TAG28	163 kW	
15		F251	D3V6TAG21	227 kW	ARAI/MoEF/DGTA/GCLP-F251/2015-12- E1 ,Dt. 18-08-2021
16		F114	6SL1500TA G2	183 kW	ARAI/MoEF/DGTA/KOEL-F114/2014-14- E1,Dt. 09-02-2016
17	6SL1500TAG3		228 kW		
18	Kirloskar Oil Engines Ltd, D1,Kagal Hatkanangale,M.I.D.C, At & PO Talandage, Dist- Kolhapur	F124	6R1080ETA G1	183.8 kW	ARAI/MoEF/DGTA/KOEL-F124/2018- 24,Dt. 30-07-2019
19		F113	6K 1080TA G2	147 kW	ARAI/MoEF/DGTA/KOEL- F113/2014-13- E4 Dated 01-June-2021

## AUTHORISED SIGNATORY

<b>SITARAM KASHYAP</b> <b>DEPUTY GENERAL MANAGER</b>	<b>SAURABH DALELA</b> <b>DIRECTOR</b>	Page 3 of 6

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S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
20	Kilroskar Oil Engines Ltd. Khadki, Pune	F114	6SL1500TA G3	228 kW	ARAI/MoEF/DGTA/KOEL-F114/2014-14-E1, Dt. 09-02-2016
21		F115	DV8TA G1	294.2 kW	ARAI/MoEF/DGTA/KOEL-F115/2014-01-E1, Dt. 11-09-2019
22			DV8TA G2	345.6 kW	
23			DV10TA G1	447.1 kW	
24			DV8TA G3	360.3 kW	
25	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
26			mPower 63655G	269 kW	
27			mPower 63405G	250kW	
28			mPower 63105G	228 kW	
29	Mahindra Heavy Engines Pvt. Ltd., Plot # A-1/1, Chakan Industrial Area, Phase-IV, Village Nigoje, Chakan, Taluka- Khed, Pune-410501	F21	mPower62485G	182 kW	ARAI/MoEF/DGTA/MHEL- F21/2016-05-E4 Dated 13-Nov-2017
30			mPower62235G	164 kW	
31			mPower61995G1	146.5 kW	
32		F17	mPower61995G	146.5 kW	ARAI/MoEF/DGTA/MHEL- F17/2014-03-E6 Dt. 17-12-2019
33	Tata Cummins Pvt. Ltd., Plot No. A-1/1, A- 1/2/1, Survadi, Phaltan, Satara, Maharashtra	F40	QSB 5.9-G2	154 kW	ARAI/MoEF/DGTA/TCL-F40/2017-07 Dt. 23-09-2017
34		F55	QSB 6.7-G16	209 kW	ARAI/MoEF/DGTA/TCL-F55/2019-09-E1 Dt. 21-05-2021
35			QSB 6.7-G17	229 kW	
36			QSB 6.7-G14	174 kW	
37			QSB 6.7-G15	191 kW	
38	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F12	EE694 TCI 160KVA CPCB-II	148 kW	ARAI/MoEF/DGTA/VECV-F12/2016-09 Dt. 26-08-2016
39	Volvo India Private Limited Volvo Penta. Yalachahally, Tavarekere Post, Hosakote TQ, Bangalore, Karnataka-562 122	F13	TAD1651GE	441 kW	ARAI/MoEF/DGTA/IMP/VOLVO-F11/2014-01-E1 Dated 30-Jun-2015
40			TAD1650GE	402 kW	
41	M/s. Volvo India Pvt Ltd. 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F14	TAD754GE	219 kW	ARAI/MoEF/DGTA/IMP/VOLVO-F14/2014-04-E1, Dt. 30-06-2015
42	Tata Cummins Pvt. Ltd., Telco Township, Jamshedpur, Jharkhand	F55	QSB 6.7-G17	229 kW	ARAI/MoEF/DGTA/TCL-F55/2019- 09-E1 Dated 21-May-2021
43	Perkins India Private Limited, 7th Floor, International Tech Park , Taramani Road, Taramani, Chennai-600113 Tamil Nadu, India	F11	Perkins-2206D- E13TAG3	367 kW	ARAI/MoEF/DGTA/PIPL-F11/2019- 09-E1 Dated 28-Jun-2019
44		F10	Perkins-2506D- E15TAG2	454 kW	ARAI/MoEF/DGTA/PIPL-F10/2017- 06-E1 Dated 7-May-2019
45	AB Volvo Penta Cologne Germany	F14	TAD754GE	219 kW	ARAI/MoEF/DGTA/IMP/VOLVO-F14/2014-04-E1 Dated 30-Jun-2015
<b>AUTHORISED SIGNATORY</b>					
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S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
46	Ms. Shandong Heavy Industry India Pvt. Ltd. Add: Survey No. 280/281, Hlnjawadi Phsse II, Village Mann, Taluka Mulshi, Pune - 411057, Maharashtra, India	F11	6M19G250/5E3	235 kW	ICAT/MoEFCC/DGTA/SHIPL-F11/N-2137, Dt. 16-11-2018
47			6M19G275/5E3	255 kW	
48			6M19G320/5E3	290 kW	
49		F12	6M16G250/5E3	240 kW	ICAT/MoEFCC/DGTA/IMP/BWPCL-F12/N-2145, Dt. 19-11-2018
50		6M12G	6M12G6D2/5	235 kW	ICAT/MoEFCC/DGTA/SHIPL- 6M12G/P-0839 dt. 06.07.2020
51		6M21G	6M21G352/5e3	290 kW	ICAT/MoEFCC/DGTA/ SHIPL- 6M21G/P-1725 dt. 30.11.2020
52			6M21G500/5e3	410 kW	
53			6M21G440/5e3	365 kW	
54		8M21G	8M21G688/5e3	460 kW	ICAT/MoEFCC/DGTA/SHIPL-8M21G/P-0400 Dt. 28-02-2020
55		Baudouin (Weifang) Power Co. Ltd. No. 197A, Fushou East Street., High-new Technology, Industrial Development Zone, Weifang, Shandong, China.	F11	6M19G250/5E3	235 kW
56	6M21G352/5e3			290 kW	
57	F12		6M16G250/5E3	240 kW	ICAT/MoEFCC/DGTA/IMP/BWPCL-F12/N-2145, Dt. 19-11-2018
58	6M21G		6M21G352/5e3	290 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL- 6M21G/P-1726 dt. 30.11.2020
59			6M21G440/5e3	365 kW	
60	6M12G		6M12G6D2/5	235 kW	ICAT/MoEFCC/DGTA/IMP/BWPCL- 6M12G/P-0840, Dt. 06-07-2020
61	6M33D		6M33D506E310	460 kW	ICAT/MOEF/DGTA/IM P/BWPCL- 6M33D/M-1736-E01Dt. 05-06-2018
62	6M16G		6M16G4D2/5	290 kW	ICAT/MOEF/DGTA/IMP/BWPCL- 6M16G/P-0838-E01Dt. 06.07.2020
63	6M21G5		6M21G2D/5	365 kW	C O Q G 0652 dt. 02.08.2021
64	M/s. Cummins India Ltd. Cummins India Office Campus, Tower A, 5th Floor, Survey No. 21, Balewadi, Pune 411045		F50	QSL9 G16	249 kW
65		QSL9 G15		298 kW	
66		F56	6L8.9TAAG-4	250 kW	ARAI/MoEF/DGTA/CILP-F56/2015-25-E2 dt. 07.02.2018
67	F43	KTAA19-G11	458 kW	ARAI/MoEF/DGTA/CILP-F43/2014- 06-E2 Dated: 26-Aug-2016	
68	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 226	226 kW	ARAI/MoEF/DGTA/IMP/SCANIA-F1/2015-01-E1 Dated 25-Jul-2017
69			DC09 071A 248	248 kW	
70			DC13071A 364	364 kW	
71			DC09 071A 267	267 kW	
72			DC16 071A 438	438 kW	
73			DC09 071A 289	289 kW	
74			DC13 071A 325	325 kW	
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S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
75	Cummins India Ltd. Kothrud, Pune 411038	F31	QSN14-G3	396 kW	ARAI/MoEF/DGTA/CILP-F31/2014- 04 Dated: 25-Mar-2014
76			QSN14-G1	344 kW	
77			QSN14-G2	363 kW	
78			QSN14-G4	319 kW	
79			QSN14-G5	346 kW	
80	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
81			10V1600G20F/3B	448 kW	
82			10V1600G70F/3D	448 kW	
83	Caterpillar India Pvt. Ltd, 7th Floor, International Tech Park , Taramani Road, Taramani, Chennai, Tamilnadu 600113	F11	CAT-C13-2GP-1	367 kW	ARAI/MoEF/DGTA/CIPL-F11/2019- 06- E1 Dated: 28-Jun-2019
84		F2	CAT-C15-2GP-1	454 kW	ARAI/MoEF/DGTA/CIPL-F2/2017- 04-E1 Dated: 7-May-2019
85	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
86			TAD1352GE	325 kW	
87			TAD1354GE	339 kW	
88			TAD1355GE	369 kW	

Note: Engine details mentioned above are sourced from : [www.cpcb.nic.in](http://www.cpcb.nic.in)

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AUTHORISED SIGNATORY		
SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR