

**COP Annexure-I**

Criteria*	COP Required
RECD Manufacturer/Importer/Retrofitter	<p>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</p> <p>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)</p>

\* As Applicable

**Annexure-II**

S No	Item Description	Parent RECD Type
		Type 1
1	Manufacturing Plant address	M/s Platino Automotive Pvt. Ltd., 3/1, Nadesan Nagar, Ayanambakkam, Thiruvallur, Tamil Nadu, 600095
2	Manufacturer's trade name or mark	M/s Platino Automotive Pvt. Ltd.
3	RECD family designation	R3
4	RECD type/model designation	C03 NB-HF
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. 1001 Rev-02 dtd. 10.01.2025 Clause no 1.8
9	Identifying part number(s) of the RECD	26M2024
10	Engine/ Engine-Family for which the RECD is intended (application range)	KTA-19-G9
11	PM Reduction Efficiency of the RECD	90.35%
12	Designed for fitment to an engine meeting the emissions requirements of (Regulation and Stage):	CPCB Stage -I

ICAT Ref No.	2024-1836; IOCS No: 183135
Base Engine Type Approval Certificate number	ARAI/MoEF/DGTA/CIL-F16/2004-17
Test Report Reference	CT0ET 0436 dt. 12/11/2024

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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	Cummins India Ltd., Pune	F27	QSX-15-G8	444 kW	ARAI/MOEF/DGTA/CIL-F27/2007-067 dt. 20-11-2007
2	Caterpillar India Pvt. Ltd., Mathagondapalli, TN	F2	3306 DITA-GS-4	250 kW	ARAI/MOEF/DGTA/CIPL-F2/2008-018 dt. 21-05-2008  ARAI/MOEF/DGTA/CIPL-F3/2008-019 dt. 21-05-2008
3	Caterpillar India Pvt. Ltd., Mathagondapalli, TN	F3	3406 DITA-GS-2	250 kW	
4			3406 DITA-GP-1	292 kW	
5			3406 DITA-GS-1	322 kW	
6			3406 DITA-GP-2	319 kW	
7	Shanghai Diesel Engiens Co. Ltd.	F3	SC11CB350DL	248 kW	
8	Mahindra & Mahindra Ltd., Kandivili, Mumbai	F25	64205GC	280 kW	ARAI/MOEF/DGTA/IMP/M&M-F25/2009-019 dt. 27-05-2009
9	Shanghai Diesel Engine Co. Ltd., 2636 JunGong Road, Shanghai, China	F4	12V135AZLD	339 kW	ARAI/MOEF/IMP/DGTA/SDEC/F4/2010-004 dt. 16-02-2010
10	Shanghai Diesel Engine Co. Ltd., 2636 JunGong Road, Shanghai, China	F5	12V135BZLD2	459 kW	ARAI/MOEF/IMP/DGTA/SDEC/F5/2010-005 dt. 16-02-2010
11	Shanghai Diesel Engine Co. Ltd., 2636 JunGong Road, Shanghai, China	F6	12V135AZD	300 kW	ARAI/MOEF/IMP/DGTA/SDEC/F6/2010-006 dt. 16-02-2010
12	Kirloskar Electric Co. Ltd., Gokul Road, Hubli-580030, Karnataka	F23	12VKK135IAZLD	339 kW	ARAI/MOEF/DGTA/KECL-F23/2010-007 dt. 16-02-2010
13	Caterpillar Inc. 100 NE Adams, Peoria, IL, USA.	F1	C-15GP-1	445 kW	ARAI/MOEF/DGTA/IMP/CIUSA/F1/2010-011 dt. 16-02-2010
14			C-15-GS-2	463 kW	
15			C-15-GP-2	409.5 kW	
16			C15-GS-3	416 kW	
17			C15-GP-3	369 kW	
18			C15-GS-4	388 kW	
19			C15-GP-4	342 kW	
20			C15-GS-5	375 kW	
21			C15-GP-5	331 kW	
22	Kirloskar Electric Co. Ltd., Gokul Road, Hubli-580030, Karnataka	F22	12VKK135AZD	300 kW	ARAI/MOEF/DGTA/KECL/F22/2010-013 dt. 16-02-2010
23	Mahindra & Mahindra Ltd., Akurli Road, Kandivali (E), Mumbai-400101	F31	12V5105GC	339 kW	ARAI/MOEF/DGTA/IMP/M&M-F31/2010-074 dt. 05-07-2010
24	Volvo India Pvt. Limited, Yalachahally, Tavarekere Post, Hosakote Taluk, Bangalore	F7	TAD1344GE	354 kW	ARAI/MOEF/DGTA/IMP/VOLVO-F7/2010-073 dt. 28-06-2010

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S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
25	Mahindra & Mahindra Ltd., Akurli Road, Kandivali (E), Mumbai-400101	F30	12V6905GC	459 kW	ARAI/MOEF/DGTA/IMP/M&M-F30/2010-075 dt. 05-07-2010
26	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune-19	F30	TBD3V8MK-II	291.3 KW	ARAI/MOEF/DGTA/GCLP-F30/2010-078 dt 09-08-2010
27	Doosan Infracore Co. Ltd., 7-11, Hwasu-dong, Dong-gu, Incheon, Korea	F2	P158LE IN01	363 kW	ARAI/MOEF/DGTA/IMP/DICL-F2/2010-079 dt. 03-08-2010
28			P158LE IN02	414 kW	
29			P180LE IN01	443 kW	
30	Doosan Infracore Co. Ltd., 7-11, Hwasu-dong, Dong-gu, Incheon, Korea	F1	P126TI IN02	272 KW	ARAI/MOEF/DGTA/IMP/DICL-F1/2010-080 dt. 03-08-2010
31	Navistar, Inc. 10400 W. North Ave. Melrose Park, IL 60160, USA	F1	GCB330A	246 KW	ARAI/MOEF/DGTA/IMP/NAV-F1/2010-081 dt. 12-08-2010
32	MTU Friedrichshafen GmbH, Nussdorferstrasse 88662 Uberlingen Germany	F4	6R1600 G10F	249 kW	ARAI/MoEF/IMP/DGTA/MTU-F4/2010-099 dt. 10-01-2011
33			6R1600 G20F	274 kW	
34			6R1600 G70F	274 kW	
35			6R1600 G80F	301 kW	
36	Kirloskar Oil Engines Ltd. Khadki, Pune-411003	F23	DV10	448 kW	ARAI/MoEF/DGTA/KOELK-F23/2010-101 dt. 03-02-2011
37			DV8SR1	294 KW	
38			DV8	360 Kw	
39	Kirloskar Oil Engines Ltd. Khadki, Pune-411003	F36	DV10SR1	460 kW	ARAI/MoEF/DGTA/KOELK-F36/2010-102 dt. 17-01-2011
40	Perkins Engines Company Ltd., Eastfield, Peterborough, PE15NA	F4	1306C-E87 TAG6	246 kW	ARAI/MoEF/DGTA/IMP/PECL-F4/2011-002 dt. 03-02-2011
41	AB VOLVO PENTA, SE40508, GOTHENBURG, SWEDEN	F9	TAD1641GE	430 kW	ARAI/MOEF/DGTA/IMP/VOLVO-F9/2011-016 dt. 02-05-2011
42	DEUTZ AG Otto Str. 1, D-51149 Cologne, Germany	F10	BF6M1015CP	365 kW	ARAI/MoEF/DGTA/IMP/DEU-F10/2011-034 dt. 27-07-2011
43	DEUTZ AG Otto Str. 1, D-51149 Cologne, Germany	F11	BF8M1015CP	459 kW	ARAI/MoEF/DGTA/IMP/DEU-F10/2011-035 dt. 27-07-2011
44			BF8M1015C	418 kW	
45			BF6M1015C	345 kW	
46	Kirloskar Oil Engine Limited, Khadki, Pune.	F23	DV8SR1	294 kW	ARAI/MoEF/DGTA/KOELK-F23/2010-101-E1 dt. 19-10-2011
47			DV8	360 kW	
48			DV10	346 KW	
49			DV8SR2	448 KW	
50	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F22	TBD4V12	444 kW	ARAI/MoEF/DGTA/GCLP-F22/2012-011 dt. 11-05-2012
51			TBD4I V12 kW		
52	Kirloskar Oil Engines Ltd., Khadki, Pune	F10	DV6ITA SRI	284 kW	ARAI/MOEF/DGTA/IMP/KOEL-F10/2004-026- E2 dt. 18-06-2012
53			DV6ITASRII	272 kW	

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S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
54	Cummins India Ltd. Kothrud, Pune 411038	F31	QSN14-G3	396 kW	ARAI/MoEF/DGTA-II/CILP-F31/2012-024 dt. 03-10-2012
55			QSN14-G1	334kW	
56			QSN14-G	363kW	
57			QSN14-G4	319kW	
58			QSN14-G5	346kW	
59	Cummins India Ltd. Kothrud, Pune 411038	F32	QSL9-G7	300 kW	ARAI/MoEF/DGTA-II/CILP-F32/2012-029 dt. 27-11-2012
60			QSL9-G7.1	271kW	
61			QSL9-G7.2	257kW	
62			QSL9-G7.3	235kW	
63	MTU India Pvt. Ltd., 159/1, Tathawade, Pune-Mumbai Highway, Pune 411033	F5	6R1600G80F	301 kW	ARAI/MoEF/DGTA-II/IMP/MTU-F5/2013-34 dt. 30-04-2013
64			6R1600G10F	249 kW	
65			6R1600G20F	274 kW	
66			6R1600G70F	274 kW	
67	MTU India Pvt. Ltd., 159/1, Tathawade, Pune-Mumbai Highway, Pune 411033	F6	10V1600G10F	407 kW	ARAI/MoEF/DGTA-II/IMP/MTU-F6/2013-35 dt. 30-04-2013
68			10V1600G20F	448 kW	
69			10V1600G70F	448 kW	
70			8V1600G10F	325 kW	
71			8V1600G20F	358 kW	
72			8V1600G70F	358 kW	
73			8V1600G80F	394 kW	
74	Deutz AG, Germany Ottostrasse 1, D- 51149 Koln (Porz-Eil) /Germany	F10	BF8M1015C	459 kW	ARAI/MoEF/DGTA-II/IMP/DEU-F10/2013-39 dt. 09-05-2013
75			BF6M1015CP	365 kW	
76			BF8M1015C	418 kW	
77			BF6M1015C	314 kW	
78			BF6M1015C	345 kW	
79	Caterpillar Inc., 100 NE Adams, Peoria, IL, USA, 61629	F2	C15-2GP-1	454 kW	ARAI/MoEF/DGTA-II/IMP/CIUSA-F2/2013-40 dt. 21-05-2013
80	Ashok Leyland Ltd., Chennai	F29	ALV12TA G1	356 kW	ARAI/MoEF/DGTA/ALL-F29/2013-061 dt. 23-10-2013
81	Ashok Leyland Ltd., Chennai	F30	ALV12TA G2	444 kW	ARAI/MoEF/DGTA/ALL-F30/2013-062 dt. 23-10-2013
82	AB VOLVO PENTA, SE40508, GOTHENBURG, SWEDEN	F11	TAD1651GE	441 kW	ARAI/MoEF/DGTA-II/IMP/VOLVO-F11/2013-065 dt. 13-12-2013
83	AB VOLVO PENTA, SE40508, GOTHENBURG, SWEDEN	F13	TAD1355GE	369 kW	ARAI/MOEF/DGTA-II/IMP/VOLVO-F13/2013- 067 dt. 13-12-2013
84			TAD1351GE	286 kW	
85			TAD1352GE	325 kW	
86			TAD1354GE	339 kW	
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S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
87	Caterpillar Inc.100 NE Adams,Peoria,IL,USA.	F11	C13-2GP-1	367 kW	ARAI/MoEF/DGTA-II/IMP/CIUSA-F11/2013- 068 dt. 01-11-2013
88	Perkins Engines Ltd., Tixall Road, Stafford ST163UB UK	F10	2506-2GP-1	454 kW	ARAI/MoEF/DGTA-II/IMP/PEL-F10/2013-076 dt. 23-12-2013
89	Cummins India Ltd., Pune	F25	NTA-14-G3	336 kW	ARAI/MOEF/DGTA/CIL-F25/2006-005 dt. 08-05-2006
90	Cummins India Ltd., Pune	F20	NTA-855-G2-1	283.4 kW	ARAI/MOEF/DGTA/CIL-F20/2004-058 dt. 27-11-2004
91	Cummins India Ltd., Pune	F13	KTA19-G5	366 kW	ARAI/MOEF/DGTA/CIL-F13/2004-07 dt. 26-02-2004

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

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