

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
		Type 1
1	Manufacturing Plant address	M/s JBDS Power Project International Pvt. Ltd., CCI Industrial Park, Tauru Road, Bilaspur Kalan, Gurgaon, Haryana-122413
2	Manufacturer's trade name or mark	M/s JBDS Power Project International Pvt. Ltd.
3	RECD family designation	JBDS_R1
4	RECD type/model designation	JBDS_106_00_000
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. JBDS-RECD-PP03/01-Rev 0 dtd. 06-12-2024 Clause no 1.8
9	Identifying part number(s) of the RECD	JBDS106
10	Engine/ Engine Family for which the RECD is intended (application range)	Tested Engine Model: 6L8.9TAA-G4 Application Range: 110.43kW to 250kW (Refer Annexure-III)
11	PM Reduction Efficiency of the RECD	88.65%
12	Designed for fitment to an engine meeting the emissions requirements of (Regulation and Stage):	CPCB Stage -II
ICAT Ref No. 2024-1410; IOCS No: 181605		
Base Engine Type Approval Certificate number ARAI/MOEF/DGTA/CILP-F56/2015-25		
Test Report Reference CT0ET 0480 dt.13/12/2024		
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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	Ashok Leyland Ltd., No.1, Sardar Patel Road, Guindy, Chennai - 6000032 & Ashok Leyland Ltd., 175, Hosur Sipcot Industrial Complex, Rajaji Nagar, Hosur- 635126	F25	AL6DTIDG4	147 kW	ARAI/MoEF/DGTA/ALL-F25/2014- 02-E1 Dated: 26-Jul-2014
2			AL6DTIDG2	116 Kw	
3			AL6DTIDG3	130 kW	
4	Ashok Leyland Ltd., No.1, Sardar Patel Road, Guindy, Chennai - 6000032 & Ashok Leyland Ltd., kathivakkam High Road, P.O.Box	F40	AL8NTIDG6	223 kW	ARAI/MoEF/DGTA/ALL-F40/2015- 11-E1 Dated: 2-Sep-2016
5			AL8NTIDG5	180 kW	
6	No.3, Ennore, Chennai-60005	F50	AL6DTIDG6	116 kW	ARAI/MoEF/DGTA/ALL-F50/2022- 19 Dated: 03-February-2022
7	Cooper Corporation Pvt. Ltd, Plot no. M60-1, Engine Division Post- Kodoli, Addl. MIDC Satara, 415003 & 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 Dated: 18-Aug-2017
8		F10	6B5D1C190RW	190 kW	ARAI/MoEF/DGTA/CCPL- F10/2014-04-E1 Dated: 17-Aug-2015
9			4B5DIC113RW	113 kW	
10			6B5D1C150RW	150 kW	
11			6B5D1C170RW	170 kW	
12	Deutz Engines India Pvt. Ltd., 6, Ramabai Ambedkar Road, B Wing, 4th Floor, Heritage House, Pune 411001. Maharashtra, India & DEUTZ AG Ottostrasse 1, D-51149, Koln (Porz- Eil) / Germany	F1	TCD2013L064V	250.7 kW	ARAI/MoEF/DGTA/IMP/DEIPL- F1/2015-01 Dated: 11-Sep-2015
13		F4	TCD2013 L062V (D3UC151)	151 kW	ARAI/MoEF/DGTA/IMP/DEIPL- F4/2016-04 Dated: 08-June-2016
14			TCD2013 L062V (D3UC130)	130.6 kW	
15	Cummins India Limited, Cummins India Office Campus Tower A, 5th Floor Survey No. 21, Balewadi, Pune 411045 & Cummins India Limited, India Parts Distribution Center Plot no. A-1, MIDC Phaltan, Village-Survadi, Phaltan-Lonand road, Taluka Phaltan, Dist. Satara, Maharashtra	F50	QSL9 G16	249 kW	ARAI/MoEF/DGTA/CILP-F50/2017- 27-E3 Dated: 4-Jan-2019
16		F56	6L8.9TAAG-4	250 kW	ARAI/MoEF/DGTA/CILP-F56/2015- 25-E2 Dated: 7-Feb-2018

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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
17	Greaves Cotton Ltd.	F101	4G11TAG26	114 kW	ARAI/MoEF/DGTA/GCLP- F101/2015-10-E3 Dated: 18-Aug-2021
18	Industrial Engines Unit, Plot No.J-2/A, MIDC Chikalthana, Aurangabad-431210 & Greaves Cotton Ltd.	F201	6G11TAG29	178.8 kW	ARAI/MoEF/DGTA/GCLP- F201/2015-11-E2 Dated 18-Aug-2021
19			6G11TAG28	163 kW	
20			6G11TAG27	144.5 kW	
21	Industrial Engines Unit, Plot No.J-2/A, MIDC Chikalthana, Aurangabad-431210	F251	D3V6TAG21	227 kW	ARAI/MoEF/DGTA/GCLP- F251/2015-12-E1 Dated 18-Aug-2021
22		F161	6G11TAG26	144.5 kW	ARAI/MoEF/DGTA/GCLP- F161/2017-14-E2 Dated 18-Aug-2021
23	Kirloskar Oil Engines Ltd. Khadki, Pune & Kirloskar Oil Engines Ltd, D1,Kagal Hatkanangale,M.I.D.C, At & PO Talandage, Dist- Kolhapur	F114	6SL1500TAG3	228 kW	ARAI/MoEF/DGTA/KOEL- F114/2014-14-E1 Dated 09-Feb-2016
24			6SL1500TAG2	183 kW	
25	Kirloskar Oil Engines Ltd, D1,Kagal Hatkanangale,M.I.D.C, At & PO Talandage, Dist- Kolhapur	F113	6K 1080TA G2	147 kW	ARAI/MoEF/DGTA/KOEL- F113/2014-13-E4 Dated 01-June-2021
26			6R1080TAD	114.7 kW	
27			6R1080TA G1	128.7 kW	
28	Tata Motors Limited, Pimpri, Pune & Tata Motors Ltd., Jamshedpur, 831010	F33	697 TC 10	115 kW	ARAI/MoEF/DGTA/TML/- F33/2018-08-E1 Dated 29-May-2019
29	Tata Cummins Pvt. Ltd., Telco Township, Jamshedpur, Jharkhand & 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 Dated 23-Sep-2017
30			QSB 5.9-G1	137 kW	
31		F49	6BTAA5.9-G13	119 kW	ARAI/MoEF/DGTA/TCL-F49/2019- 08-E1 Dated 26-Sep-2019
32		F55	QSB 6.7-G16	209 kW	ARAI/MoEF/DGTA/TCL-F55/2019- 09-E1 Dated 21-May-2021
33			QSB 6.7-G14	174 kW	
34			QSB 6.7-G15	191 kW	
35			QSB 6.7-G17	229 kW	
36	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F7	EE694TCI 125KVA CPCB-II	115 kW	ARAI/MoEF/DGTA/VECV-F7/2017- 10 Dated 21-Jun-2017
37	Pradesh & 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 Dated 26-Aug-2016

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S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
38	Volvo India Private Limited, Volvo Penta. Yalachahally, Tavarekere Post, Hosakote TQ, Bangalore, Karnataka-562 122 & AB Volvo Penta Cologne Germany	F14	TAD754GE	219 kW	ARAI/MoEF/DGTA/IMP/VOLVO- F14/2014-04-E1 Dated 30-Jun-2015
39	EICHER TRACTORS, (A Unit Of TAFE Motors & Tractors Ltd.) Itarana Road, Alwar- 301 001	F12	1751 ES	118 kW	ICAT/MoEFCC/DGTA/ EICHER-F12/O- 0982 dt. 28.05.2019
40	M/s. JCB India Ltd., 23/7, Mathura Road, Ballabgarh- 121 004, Haryana,India.	F9	JCB 448 TCAG-121	121kW	ICAT/MoEF/DGTA/JC B - F9/K-0463 dt. 15.06.2015
41	M/s. Baudouin (Weifang) Power Co. Ltd., Add : No. 197A, Fushou East Street., High-new Technology, Industrial Development Zone,Weifang, Shandong, China.	F12	6M16G225/5E3	204 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL- F12/N- 2145 dt. 19.11.2018
42			6M16G180/5E3	175 kW	
43			6M16G160/5E3	155 kW	
44		F6	6M11G125/5E3	117 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL- F6/N- 2136 dt. 16.11.2018
45		6M12G	6M12G4D2/5	196 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL- 6M12G/P-0840 dt.06.07.2020
46			6M12G2D2/5	168 kW	
47		6M11G	6M11G2D2/5	143 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL- 6M11G/P-0836 dt. 06.07.2020
48		4M12G6D5	4M12G6D2/5	125 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL- 4M12G6D5/P-0884 dt.13.07.2020
49		4M07G6	4M07G6D2/3	120 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL- 4M07G6/P-1729 dt. 01.12.2020
50	M/s. Shandong Heavy Industry India Pvt. Ltd., Add: Survey No. 280/281,Hinjawadi Phase II, Village Mann, Taluka Mulshi, Pune - 411057, Maharashtra,India	F12	6M16G225/5E3	204 kW	ICAT/MoEFCC/DGTA/ IMP/BWPCL- F12/N- 2145 dt. 19.11.2018
51			6M16G180/5E3	175 kW	
52			6M16G160/5E3	155 kW	
53		F6	6M11G125/5E3	117 kW	ICAT/MoEFCC/DGTA/ SHIPL-F6/N-2135 dt. 16.11.2018
54		6M12G	6M12G4D2/5	196 kW	ICAT/MoEFCC/DGTA/ SHIPL- 6M12G/P- 0839 dt. 06.07.2020
55			6M12G2D2/5	168 kW	
56		6M11G	6M11G2D2/5	143 kW	ICAT/MoEFCC/DGTA/ SHIPL- 6M11G/P- 0835 dt. 06.07.2020
57		4M12G6D5	4M12G6D2/5	125 kW	ICAT/MoEFCC/DGTA/ SHIPL- 4M06G6D3/P- 0880 dt.13.07.2020
58		4M07G6	4M07G6D2/3	120 kW	ICAT/MoEFCC/DGTA/ SHIPL- 4M07G6/P- 1808 dt. 14.12.2020

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

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