

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	
1	Manufacturing Plant address	M/s Maxmoc Motor Works India Pvt. Ltd. S.F. No. 3/94, N. Panjampatty, , 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	DAT-SAT-Filter			
4	RECD type/model designation	MMW/DAT-SAT.9	MMW/DAT-SAT.3	MMW/DAT-SAT.4	
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/01/02/25 dtd. 01/02/2025 Clause no 1.8			
9	Identifying part number(s) of the RECD	MMW/DAT-SAT.9 Series 3000	MMW/DAT-SAT.3 Series 3000	MMW/DAT-SAT.4 Series 3000	
10	Engine/ Engine Family for which the RECD is intended (application range)	Tested Engine Model: 6CTAA-8.3-G4 Application Range: 70.72kW to 231.0kW (Refer Annexure- III)			
11	PM Reduction Efficiency of the RECD	97.47%			
12	Designed for fitment to an engine meeting the emissions requirements of (Regulation and Stage):	CPCB Stage -I			

ICAT Ref No.	2024-2311; IOCS No: 185252		
Base Engine Type Approval Certificate number	ARAI/MOEF/DGTA/CIL-F17/2004-25		
Test Report Reference	CT0EU 0168 dt. 20/03/2025		
AUTHORISED SIGNATORY			
SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR	
			Page 2 of 14

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	KOEL, Khadki, Pune	F2	6R1080T	93.3 kW	ARAI/MOEF/DGTA/KOEL-F2/2003-001, dt.28-03-2003
2	KOEL, Khadki, Pune	F3	4R1040TA	77.2 kW	ARAI/MOEF/DGTA/KOEL-F3/2003-003, dt. 28-03-2003
3			6R1080TA	113.2 kW	
4	Telco, Pune	F1	697TC54	69.1 kW	ARAI/MOEF/DGTA/TELCO-F1/2003/009, dt. 31-03-2003
5	Greaves Ltd, Ch'wad, Pune	F4	TD2V6	114.6 kW	ARAI/MOEF/DGTA/GLP-F4/2003-14, dt. 23-05-2003
6	Cummins India Ltd, Daman	F6	6BTA5.9G1I	92.4 kW	ARAI/MOEF/DGTA/CIL-F6/2003-15, dt. 30-05-2003
7	Cummins India Ltd, Daman	F5	6BT5.9G1	78.2 kW	ARAI/MOEF/DGTA/CIL-F5/2003-16, dt. 30-05-2003
8	Greaves Ltd, Ch'wad, Pune	F9	4YDC MK3	92.5 kW	ARAI/MOEF/DGTA/GLP-F9/2003-20, dt. 13-06-2003
9	Greaves Ltd, Ch'wad, Pune	F8	4YDX MK3	68.4 kW	ARAI/MOEF/DGTA/FLP-F8/2003-21, dt. 18-06-2003
10	Greaves Ltd, Ch'wad, Pune	F7	6YDAX MK35P	81.19 kW	ARAI/MOEF/DGTA/GLP-F7/2003-30, dt. 03-09-2003
11	Bharat Earth Movers Ltd., Mysore	F1	BS6D105-1	87 kW	ARAI/MOEF/DGTA/BEML-F1/2003-38, dt. 05-01-2004
12	Greaves Cotton Ltd, Pune	F10	TD4L4	113.9 kW	ARAI/MOEF/DGTA/GCLP-F10/2004-06, dt 26-02-2004
13	Greaves Cotton Ltd, Pune	F9	4YDCMK3	92.6 kW	ARAI/MOEF/DGTA/GCLP-F9/2004-013, dt. 20-03-2004
14			6YDCMK3	114.3 kW	
15	Greaves Cotton Ltd. Pune	F8	4YDXMK3	68.4 kW	ARAI/MOEF/DGTA/GCLP-F8/2004-017, dt. 07-05-2004
16	Kirloskar Oil Engines Ltd. Khadki, Pune	F2	6R1080T	93.3 kW	ARAI/MOEF/DGTA/KOEL-F2/2004-020, dt. 17-04-2004
17	Kirloskar Oil Engines Ltd. Khadki, Pune	F3	4R1040TA 6R1080TA	76.7 kW 113.2 kW	ARAI/MOEF/DGTA/KOEL-F3/2004-021, dt. 17-06-2004
18	Greaves Cotton Ltd., Pune	F6	6YDAX	74.5 kW	ARAI/MOEF/DGTA/GCLP-F6/2004-022, dt. 17-06-2004
19	BEML, Mysore	F1	BS6D105G6	87 kW	ARAI/MOEF/DGTA/BEML-F1/2004-043, dt. 11-08-2004
20			BS6D105G5	78 kW	
21			BS6D105G4	72 kW	
22			BS6D105G3	70 kW	
23			BS6D105G2	68 kW	

AUTHORISED SIGNATORY

AUTHORISED SIGNATORY			
SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR	Page 3 of 14

Annexure-III Cont.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
24	Greaves Cotton Ltd., Pune	F10	TD4L4	112.74 kW	ARAI/MOEF/DGTA/GCLP-F10/2005-29, dt. 27-09-2005
25	Greaves Cotton Ltd., Pune	F10	TD4L4P	114.7 kW	ARAI/MOEF/DGTA/GCLP-F10/2006-022, dt. 20-07-2006
26	Greaves Cotton Ltd., Pune	F10	TD4L4P	114.7 kW	ARAI/MOEF/DGTA/GCLP-F10/2006-022, dt. 20-07-2006
27	Kaytee Switchgear Ltd., Hubli	F7	6KSWATC-105	110 kW	ARAI/MOEF/DGTA/KSL-F7/2006-039, dt. 05-09-2007
28	Ashok Leyland, Hosur	F12	AL412TGI	81.9 kW	ARAI/MOEF/DGTA/ALH-F12/2007-012, dt. 28-02-2007
29	Greaves Cotton Ltd., Chinchwad, Pune	F24	4G11T-P	68 kW	ARAI/MOEF/DGTA/GCLP-F24/2007-023, dt. 29-06-2007
30	Greaves Cotton Ltd., Chinchwad, Pune	F6	6YDAX	76 kW	ARAI/MOEF/DGTA/GCLP-F6/2007-027, dt. 16-07-2007
31	Greaves Cotton Ltd., Chinchwad, Pune	F7	6YDAXMK3SP	81.19 kW	ARAI/MOEF/DGTA/GCLP-F7/2007-028, dt. 16-07-2007
32	Greaves Cotton Ltd., Chinchwad, Pune	F9	4YDCMK3	93.1 kW	ARAI/MOEF/DGTA/GCLP-F9/2007-035, dt. 31-07-2007
33			6YDCMK3	114.73 kW	
34	Greaves Cotton Ltd., Chinchwad, Pune	F25	4G11TA-P	93 kW	ARAI/MOEF/DGTA/GCLP-F25/2007-074, dt. 17-12-2007
35			4G11TA	76.5 kW	
36	Mahindra & Mahindra Ltd., FES, Kandivli, Mumbai	F14	41425GC	95 kW	ARAI/MOEF/DGTA/IMP/M&M-F14/2008-011, dt. 25-11-2008
37	Mahindra & Mahindra Ltd., FES, Kandivli, Mumbai	F17	41225 GC	82 kW	ARAI/MOEF/DGTA/IMP/M&M-F17/2008-013, dt. 15-05-2008
38	Kirloskar Oil Engines Ltd., Khadki, Pune	F3	4R1040TA	77.2 kW	ARAI/MOEF/DGTA/KOEL-F3/2008-034, dt. 09-07-2008
39			6R1080TA	113.2 kW	
40	Kirloskar Oil Engines Ltd., Khadki, Pune	F3	4R1040TA	77.2 kW	ARAI/MOEF/DGTA/KOEL-F3/2008-034, dt. 09-07-2008
41	Ashok Leyland Ltd., Chennai	F17	AL6DTI G1	91 kW	ARAI/MOEF/DGTA/ALL-F17/2008-041, dt. 29-09-2008
42	Ashok Leyland Ltd., Chennai	F18	AL6DTI G2	114 kW	ARAI/MOEF/DGTA/ALL-F17/2008-042, dt. 29-09-2008
43	Lombardini India Pvt. Ltd., Aurangabad	F13	WD12D320 E21	228 kW	ARAI/MOEF/DGTA/LIPL-F13/2009-033
44	Ashok Leyland Ltd., Chennai	F19	AL4DTIG2	77 kW	ARAI/MOEF/DGTA/ALL-F19/2008-062, dt. 03-10-2008
45			AL4DTIF1	70 kW	
46	Cummins India Ltd., Daman	F6	6BTA5.9-G5	93 kW	ARAI/MOEF/DGTA/CIL-F6/2003-15-E1, dt. 17-02-2008
47			6BTA5.9G2I	114 kW	

AUTHORISED SIGNATORY			
SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR	Page 4 of 14

Annexure-III Cont.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
48	SuperNova Engineers Ltd., Ahmedabad	F4	YC6108ZD	80 kW	ARAI/MOEF/DGTA/IMP/SEL-F4/2008-073, dt. 23-12-2008
49			YC6108ZLD	98 kW	
50	Greaves Cotton Ltd., Pune	F24	4G11TP	69 kW	ARAI/MOEF/DGTA/GCLP-F24/2009-004 dt. 03-09-2004
51	Shandong Weichai Huafeng Power Co. Ltd. China	F5	R6105ZLD1-P1	84 kW	ARAI/MOEF/DGTA/IMP/HUA-F5/2009-022, dt. 11-06-2009
52	Shandong Weichai Huafeng Power Co. Ltd. China	F10	SC4H180D2	120 kW	ARAI/MOEF/DGTA/IMP/HUA-F10/2009-027, dt. 11-06-2009
53			SC4H160D2	105 kW	
54	Indo Power Generation	F1	4045HF158	100 kW	ARAI/MOEF/DGTA/IMP/IPGPL-F1/2009-030, dt. 24-06-2009
55			4045TF158	70 kW	
56			4045TF258	83 kW	
57			6068TF158	105 kW	
58	Kirloskar Electric Co. Ltd., Hubli	F10	4KSWITC110	84 kW	ARAI/MOEF/DGTA/KECL-F10/2009-032, dt. 15-07-2009
59	Greaves Cotton Ltd., Pune	F24	4G11TG2	69.4 kW	ARAI/MOEF/DGTA/GCLP-F24/2009-038, dt. 20-08-2009
60	Greaves Cotton Ltd., Pune	F25	4G11TAG1	77.2 kW	ARAI/MOEF/DGTA/GCLP-F25/2009-039, dt. 20-08-2009
61			4G11TAG2	93.4 kW	
62	DEUTZ AG Ottostrasse 1, D-51149 Koln (Porz-Eil)/Germany	F4	BF4M2012C	74.9 kW	ARAI/MoEF/DGTA/IMP/DEU-F4/2010-024, dt. 19-03-2010
63	Weichai Weifang Dutz Engines Co. Ltd.	F4	WP4D115E20	85 kW	ARAI/MOEF/IMP/DGTA/WWD-F4/2010-070, dt. 09-06-2010
64	Mahindra & Mahindra Ltd., Farm Division, Kandivali (E), Mumbai-400	F33	41145 GM	76.5 kW	ARAI/MoEF/DGTA/M&M/F33/2010-087, dt. 14-10-2010
65	Yuchai Machinery Co. Ltd. 88, Tianqiao West Road, Yulin, Guangxi,	F8	YC6B155L-D20	112 kW	ARAI/MoEF/DGTA/IMP/SEL-F8/2010-093, dt. 21-01-2011
66	Yuchai Machinery Co. Ltd. 88, Tianqiao West Road, Yulin, Guangxi, P.R.C. China	F2	YC6108ZD	84 kW	ARAI/MoEF/DGTA/IMP/SEL-F2/2010-103, dt. 21-01-2011
67	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune 411 019	F32	4G11TW1	77.2 kW	ARAI/MoEF/DGTA/GCLP- F32/2011-001, dt. 29-Feb-2011
68	Cummins India Ltd., Low Horsepower Business Unit, 19-25A, Silver Industrial Estate, Bhimpore, Daman- 396210 (India)	F5	6BT5.9G1	78 kW	ARAI / MoEF / DGTA / CILP - F5 / 2011-004, dt. 23-02-2011
69	Shanghai Diesel Engine Co. Ltd., 2636 JunGong Road, Shanghai,	F7	SC5D145D	95 kW	ARAI/MoEF/DGTA/IMP/SDEC-F7/2011-022, dt. 27-07-2011

AUTHORISED SIGNATORY

AUTHORIZED SIGNATORY			
SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR	Page 5 of 14

Annexure-III Cont.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
70	Ashok Leyland Limited, Ennore, Tamilnadu Ashok Leyland Limited, Hosur, Tamilnadu Ashok Leyland Limited, Pant Nagar, Uttarakhand	F18	AL6DTI G2	114 kW	ARAI/MoEF/DGTA/ALL/F18/2011-031, dt. 13-07-2011
71	Mahindra Navistar Engines Pvt. Ltd., Pune	F5	X12-14-125KVA-Mech	112.5 kW	ARAI/MoEF/DGTA/MNEPL-F5/2011-036, dt. 29-09-2011
72			X12-14-100 KVA-Mech	90 kW	
73			X12-14-82.5 KVA-Mech	74.25 kW	
74			X12-14-75 KVA-Mech	67.5 kW	
75	Kirloskar Electric Company Limited, Unit 14, Gokul Road, Hubli 580030	F12	6KSWTC105	84 kW	ARAI/MoEF/DGTA/KECL-F12/2011-038, dt. 29-08-2011
76	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India	F14	41425 GC	95 kW	ARAI/MoEF/DGTA/IMP/M&M-F14/2011-039, dt. 29-09-2011
77	Kirloskar Oil Engine Limited, Khadki, Pune.	F37	4K1080TA1	114.7 kW	ARAI/MoEF/DGTA/KOEL-F37/2011-043, dt. 29-09-2011
78	Empower Gensets Pvt Ltd., Survey No. 36/1, Pisoli Road, Pisoli, Taluka Haveli, Ditrict Pune - 411028, India.	F2	BF4M1013FC	106 kW	ARAI/MoEF/DGTA/IMP/EGPL-F2/2011-044, dt. 29-09-2011
79	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai	F17	41225 GC	82 kW	ARAI/MOEF/DGTA/IMP/M&M-F17/2008-012- E2, dt. 16-02-2011
80	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India	F34	61140 GM	76.5 kW	ARAI/MOEF/DGTA/M&M/F34/2012-002, dt. 29-02-2012
81	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F2	EE683TCI	77 kW	ARAI/MoEF/DGTA/VECVL-F2/2012-008, dt. 29-03-2012
82	Cooper Corporation Pvt Ltd,MIDC,Satara	F4	3B2D1C85	85 kW	ARAI/MoEF/DGTA/CCPL-F4/2012-023, dt. 28-08-2012
83			4B2D1C113	100 kW	
84			4B2D1C100	113 kW	
85			3B2D1C75	75 kW	
86	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F2	EE683TCI 100 KVA	94 .1 kW	ARAI/MoEF/DGTA/VECVL-F2/2012-027, dt. 11-10-2012
87	EE683TCI 82.5 KVA		77 kW		
AUTHORISED SIGNATORY					
SITARAM KASHYAP DEPUTY GENERAL MANAGER			SAURABH DALELA DIRECTOR		
					Page 6 of 14

Annexure-III Cont.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
88	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India	F63	61375 GM-C2	91.6 kW	ARAI/MOEF/DGTA-II/M&M-F63/2012-028, dt. 15-10-2012
89	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F28	4G11TAG3	114 kW	ARAI/MoEF/DGTA/GCLP-F28/2009-063-E1, dt. 02-01-2013
90	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F5	EE683TCI 82.5KVA CPCB-II	77 kW	ARAI/MoEF/DGTA-II/VECV-F5/2013-006, dt. 20-02-2013
91	Mahindra Navistar Engines Pvt. Ltd., Pune, Maharashtra - 412111	F8	MaxxForce 7.2 P Mec CPCB I 125kVA	114.7 kW	ARAI/MoEF/DGTA/MNEPL-F8/2013-008, dt. 01-01-2013
92			MaxxForce 7.2 P Mec CPCB I	77 kW	
93	Avtec Limited, Sector-III, Sagore, Pithampur Industrial Area, Dist. Dhar (M.P.) 454 774 & M/s. Avtec Limited, Plot No. 1& 2, Sector B, Nimpura Industrial Estate, Kharagpur - 721301 (W.B)	F8	AGDH6408215	84.4 kW	ARAI/MOEF/DGTA/AVTEC-F8/2013-022, dt. 06-03-2022
94	Mahindra Navistar Engines Pvt. Ltd., Pune, Maharashtra - 412111	F10	MaxxForce 4.8 P Mech CPCB I 100 KVA	93 kW	ARAI/MoEF/DGTA/MNEPL-F10/2013-024, dt. 07-03-2013
95			MaxxForce 4.8 P Mech CPCB I 82.5 KVA	78 kW	
96	Mahindra & Mahindra Limited, Akurli Road, Kandivli (E), Mumbai 400101, India	F39	2205 GM-C2	93 kW	ARAI/MOEF/DGTA-II/M&M-F39/2013-026, dt. 07-03-2013
97	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F28	4G11TAG3	114 kW	ARAI/MoEF/DGTA/GCLP-F28/2009-063-E2, dt. 17-04-2013
98	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F6	EE683TCI 82.5 kVA CPCB II	74.5 kW	ARAI/MoEF/DGTA-II/VECV-F6/2013-033, dt. 06-05-2013
99	Kirloskar Oil Engine Limited, Khadki, Pune.	F111	4R1040TA G1	74.9 kW	ARAI/MoEF/DGTA-II/KOEL-F111/2013-042, dt. 30-05-2013
100	Ashok Leyland Ltd., Chennai	F25	AL4CTIDG3	78 kW	ARAI/MoEF/DGTA-II/ALL-F25/2013-046, dt. 11-07-2013
101			AL4CTIDG4	94 Kw 94 kW	
102			AL6DTIDG1		
103	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India.	F46	61695 GM-C2	113.34 kW	ARAI/MoEF/DGTA-II/M&M-F46/2013-048, dt. 12-07-2013
104	Kirloskar Oil Engine Limited, Khadki, Pune.	F112	4K1080TAG2	114.7 kW	ARAI/MoEF/DGTA-II/KOEL-F112/2013-054, dt. 20-08-2013
105			4K1080TAG1	114.7 kW	
AUTHORISED SIGNATORY					
					Page 7 of 14
SITARAM KASHYAP DEPUTY GENERAL MANAGER				SAURABH DALELA DIRECTOR	

Annexure-III Cont.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
106	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India.	F45	41035 GM-C2	68.9 kW	ARAI/MoEF/DGTA-II/M&M-F45/2013-050, dt. 25-07-2013
107	Deutz Engines India Pvt. Ltd, Pune.	F3	BF4M1013FC-D20C101	101 kW	ARAI/MoEF/DGTA/IMP/DEIPL-F3/2013-056, dt. 01-09-2013
180			BF4M1013FC-D20C106	106 kW	
109	Cummins India Ltd, Power Generation Business Unit.DTA Unit Gat No-311/B At Post Kasar,Amboli Taluka Mulshi, Pirangut-412 111, District Pune,Maharashtra,India	F46	4BTAA3.9G3	74 kW	ARAI/MoEF/DGTA-II/CILP-F46/2013-059, dt. 09-01-2014
110	Mahindra Heavy Engines Pvt. Ltd., Chakan,Pune- 410 501	F13	125kVA Mech.CPCB-I	114.7 kW	ARAI/MoEF/DGTA/MHEPL-F13/2013-072, dt. 24-10-2013
111	Mahindra Heavy Engines Pvt. Ltd., Chakan,Pune- 410 501	F14	100kVA Mech.CPCB-I	93 kW	ARAI/MoEF/DGTA/MHEPL-F14/2013-073, dt. 24-10-2013
112			82.5kVA Mech.CPCB-I	78 kW	
113	Cummins India Ltd, Power Generation Business Unit. DTA Unit Gat No-311/B At Post Kasar, Amboli Taluka Mulshi, Pirangut-412 111, District Pune, Maharashtra,India	F47	4BTAA3.9-G4	82 kW	ARAI/MoEF/DGTA-II/CILP-F47/2013-078, dt. 09-01-2014
114	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F7	EE694TCI 100KVA CPCB-II	95 kW	ARAI/MoEF/DGTA-II/VECVL-F7/2014-005, dt. 28-01-2014
115		F8	EE694TCI 100KVA VE CPCB-II	95 kW	ARAI/MoEF/DGTA-II/VECVL-F8/2014-006, dt. 07-02-2014
116	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F80	4G11TAG22	74.5 kW	ARAI/MoEF/DGTA-II/GCLP-F80/2014-009, dt. 28-02-2014
117	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F100	4G11TAG23	93 kW	ARAI/MoEF/DGTA-II/GCLP-F100/2014-010, dt. 28-02-2014
118	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India	F46	61375 GM-C2	91.6 kW	ARAI/MOEF/DGTA/M&M-F46/2014-012, dt. 19-06-2014
119			61695 GM-C2	113.34 kW	
120	Mahindra Navistar Engines Pvt. Ltd., Pune, Maharashtra - 412111	F7	MaxxForce 7.2 P Mec CPCB I 200kVA	180 kW	ARAI/MoEF/DGTA/MNEPL-F7/2013-007
121		F6	MaxxForce 7.2 P Mec CPCB I 180kVA	163 kW	
122	Cummins India Ltd. Kothrud, Pune 411038	F41	QSB 6.7- G12	191.1 kW	ARAI/MoEF/DGTA-II/CILP-F41/2013-002,
123			QSB 6.7 - G11	174.5kW	
AUTHORISED SIGNATORY					
					Page 8 of 14
SITARAM KASHYAP DEPUTY GENERAL MANAGER				SAURABH DALELA DIRECTOR	

Annexure-III

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
124	Cummins India Ltd. Kothrud, Pune 411038	F40	QSB 5.9 -G2	153.6 kW	ARAI/MoEF/DGTA-II/CILP-F40/2013-001
125			QSB 5.9 -G1	137.2kW	
126			QSB 5.9 -G3	124.5kW	
127	Cummins India Ltd. Kothrud, Pune 411038	F32	QSL9-G7.3	235kW	ARAI/MoEF/DGTA-II/CILP-F32/2012-029
128	Cummins India Ltd, Pune	F1	6CT 8.3-G2-I	130.8 kW	ARAI/MOEF/DGTA/CIL-F1/2003-005
129	Kirloskar Oil Engine Limited, Khadki, Pune.	F113	6K1080TA G2	147 kW	ARAI/MoEF/DGTA-II/KOEL-F113/2014-003
130	Cummins India Ltd, Pune	F2	6CTA-8.3-G1-I	148.4 kW	ARAI/MOEF/DGTA/CIL-F2/2003-006
131			6CTA-8.3-G2-I	163 kW	
132			6CTAA-8.3-G1-I	183 kW	
133	Kirloskar Oil Engine Limited, Khadki, Pune.	F114	6SL1500TAG3	228 kW	ARAI/MoEF/DGTA-II/KOEL-F114/2014-001
134			6SL1500TAG2	183 kW	
135	Mahindra Heavy Engines Pvt. Ltd., Chakan,Pune- 410 501	F12	200kVA Mech.CPCB-I	180 kW	ARAI/MoEF/DGTA/MHEPL-F12/2013-071
136			180kVA Mech.CPCB-I	163 kW	
137	Mahindra Heavy Engines Pvt. Ltd., Chakan,Pune- 410 501	F11	200kVA Elec.CPCB-I	180 kW	ARAI/MoEF/DGTA/MHEPL-F11/2013-070
138			180kVA Elec.CPCB-I	181 kW	
139	Ashok Leyland Ltd., Chennai	F27	AL11TA G2	178.8 kW	ARAI/MoEF/DGTA/ALL-F27/2013-057
140			178.8 kW	163 kW	
141	Avtec Limited, Sector-III, Sagore, Pithampur Industrial Area, Dist. Dhar (M.P.) 454 774 & M/s. Avtec Limited, Plot No. 1& 2, Sector B, Nimpura Industrial Estate, Kharagpur - 721301	F9	AGDH7012515	127 kW	ARAI/MOEF/DGTA/AVTEC-F10/2013-021
142			AGDH6710015	110 kW	
143	Shanghai Diesel Engine Co. Ltd., 2636 JunGong Road, Shanghai, China	F9	SC9D340D2	228 kW	ARAI/MoEF/DGTA/IMP/SDEC-F9/2013-017
144	Mahindra Navistar Engines Pvt. Ltd., Pune, Maharashtra - 412111	F9	MaxxForce 7.2 P Mech CPCB II 160 KVA	146.13 kW	ARAI/MoEF/DGTA/MNEPL-F9/2013-016
145			MaxxForce 7.2 P Mech CPCB II 125 KVA	114.7 kW	

AUTHORISED SIGNATORY

SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR	Page 9 of 14

Annexure-III Cont.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
146	Mahindra Navistar Engines Pvt. Ltd., Pune, Maharashtra - 412111	F8	MaxxForce 7.2 P Mec CPCB I 160kVA	146 kW	ARAI/MoEF/DGTA/MNEPL-F8/2013-008
147			MaxxForce 7.2 P Mec CPCB I 140kVA	146.5 kW	
148	Greaves Ltd, Ch'wad, Pune	F12	TBD2V6 MK-I	145.8 kW	ARAI/MOEF/DGTA/GLP-F12/2003-22
149	KOEL, PUNE	F7	6SL9088TA1	129.8 kW	ARAI/MOEF/DGTA/KOEL-F7/2003-29
150			6SL9088TA	145.72 kW	
151	Cummins India Ltd., Kothrud, Pune	F7	NT-14-61	208.8 kW	ARAI/MOEF/DGTA/CIL-F7/2003-33
152			NT-14-62	228 kW	
153	Greaves Ltd, Ch'wad, Pune	F7	6YDAX MK35P	81.19 kW	ARAI/MOEF/DGTA/GLP-F7/2003-30
154					
155	Cummins India Ltd., Kothrud, Pune	F9	NT-14-G3	208.8 kW	ARAI/MOEF/DGTA/CIL-F9/2003-35
156			NT-14-G4	228 kW	
157			NT-14-F5	254 kW	
158	Greaves Cotton Ltd, Pune	F13	TBD3V6 MK-1	176 kW	ARAI/MOEF/DGTA/GCLP-F13/2003-40
159			TBD3V6 TBD3V8 TBD3V12 TBD3V12 MK1	169 kW 230.2 kW, 356.7 kW	
160	KOEL, Pune	F8	6SL1500TAI	164.1 kW	ARAI/MOEF/DGTA/KOEL-F8/2003-42
161			6SL1500TA	181 kW	
162	Cummins India Ltd., Pune	F17	6CTAA8.3-G4	231.2 kW	ARAI/MOEF/DGTA/CIL-F17/2004-025
163	HPL, Hosur	F1	3306DITA-GS-2	203 kW	ARAI/MOEF/DGTA/HPL-F1/2004-029
164			3306DITA-GP-2	184 kW	
165			3306DITA-GS-1	179 kW	
166			3306DITA-GP-1	163 kW	
167	HPL, Hosur	F2	3306DITA-GP-4	224 kW	ARAI/MOEF/DGTA/HPL-F2/2004-030
168			3306DITA-GS-3	224 kW	
169			3306DITA-GP-3	203 kW	
170	Ashok Leyland Ltd., Chennai	F26	AL8NTIG3	223 kW	ARAI/MoEF/DGTA/ALL-F26/2013-047
171			AL8NTIG1	180 kW	
172			AL8NTIG2	163 kW	
173	Ashok Leyland Ltd., Chennai	F25	AL6DTIDG4	147 kW	ARAI/MoEF/DGTA-II/ALL-F25/2013-046
174			AL6DTIDG2	116 kW	
175			AL6DTIDG3	130 kW	
176	Shanghai Diesel Engine Co. Ltd., 2636, JunGong Road, Shanghai, China	F11	SC7H250D2	168 kW	ARAI/MoEF/DGTA/IMP/SDEC-F11/2013-044
177			SC7H230D2	154 kW	
178	Kirloskar Oil Engines Ltd., Khadki, Pune	F10	DV6ITA	241 kW	ARAI/MOEF/DGTA/IMP/KOEL-F10/2004-026- E2

AUTHORISED SIGNATORY

AUTHORISED SIGNATORY:			
SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR	Page 10 of 14

Annexure-III Cont.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
179	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F28	4G11TAG3	114 kW	ARAI/MoEF/DGTA/GCLP-F28/2009-063-E1
180			6G11TAG3	163 kW	
181			6G11TAG1	127.2 kW	
182			6G11TAG2	144.5 kW	
183	Mak Controls and Systems Pvt. Ltd., 7/41-B, Avinashi Road, Coimbatore-641 014	F10	TCD2013L062V	191 kW	ARAI/MoEF/DGTA/IMP/MCSP-F10/2012-12
184	Cooper Corporation Pvt Ltd., MIDC, Satara	F4	6B2D1C 170	170 kW	ARAI/MOEF/DGTA/CCPL-F4/2012-007
185	Cooper Corporation Pvt Ltd., MIDC, Satara	F5	6B2D1C 125	125 kW	ARAI/MOEF/DGTA/CCPL-F5/2012-006
186	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F22	TBD4L4	148.6 kW	ARAI/MOEF/DGTA/GCLP-F22/2007-24
187			TBD4V6	222.86 kW	
188			TBD4IV6	222.86 kW	
189	Empower Gensets Pvt Ltd., Survey No. 36/1, Pisoli Road, Pisoli, Taluka Haveli, District Pune - 411028, India.	F2	BF6M1013FC	166 kW	ARAI/MoEF/DGTA/IMP/EGPL-F2/2011-044
190			BF4M1013FC	106 kW	
191	Ashok Leyland Limited, Ennore, Tamilnadu	F23	AL6DTI G4	146 kW	ARAI/MoEF/DGTA/ALL-F23/2011-042
192	Ashok Leyland Limited, Hosur, Tamilnadu Ashok Leyland Limited, Pant Nagar, Uttarakhand		AL6DTI G3	128 kW	
193	Kirloskar Oil Engines Ltd., Khadki, Pune	F11	6SL8800TASRII	173.3 kW	ARAI/MOEF/DGTA/KOEL-F11/2004-052
194	Cummins India Ltd., Daman	F18	6BTAA5.9G1I	125.2 kW	ARAI/MOEF/DGTA/CIL-F18/2004-056
195	Cummins India Ltd., Pune	F19	NT-855-G5-I	228.2 kW	ARAI/MOEF/DGTA/CIL-F19/2004-057
196	Greaves Cotton Ltd., Pune	F16	TBD4L4	144 kW	ARAI/MOEF/DGTA/GCLP-F16/2004-065
197			TBD4V6	222.86 kW	
198			TBD4IV6	222.86 kW	
199	Kirloskar Oil Engines Ltd., Khadki, Pune	F15	6K1080TAG	128 kW	ARAI/MOEF/DGTA/KOEL-F15/2005-14
200			6K1080TAG SR1	147 kW	
201	Volvo, Bangalore	F4	TAD740GE	220 kW	ARAI/MOEF/IMP/DGTA/VOLVO-F4/2005-18
202			TWD740GE	181 kW	
203	Greaves Cotton Ltd., Pune	F12	TBD2V6MKI	144.8 kW	ARAI/MOEF/DGTA/GCLP-F12/2005-24
204			TBD2V8MKI	186.08 kW	
205	Greaves Cotton Ltd., Pune	F15	TBD4L4, TBD4L4P	148.6 kW	ARAI/MOEF/DGTA/GCLP-F15/2005-26
206	Kirloskar Oil Engines Ltd., Khadki, Pune	F17	6SL9088TAI	130 kW	ARAI/MOEF/DGTA/KOEL-17/2005-27
207			6SL9088TA	147 kW	

AUTHORISED SIGNATORY

			Page 11 of 14
SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR	

Annexure-III Cont.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
208	Greaves Cotton Ltd., Pune	F10	TD4L4	112.74 kW	ARAI/MOEF/DGTA/GCLP-F10/2005-29
209	Greaves Cotton Ltd., Pune	F17	TBD3V6 MK-I	186 kW	ARAI/MOEF/DGTA/GCLP-F17/2005-31
210			TBD3V6	186 kW	
211			TBD3V6	169 kW	
212			TBD3V6P	169 kW	
213	Greaves Cotton Ltd., Pune	F21	TBD2V6MK-IP	164 kW	ARAI/MOEF/DGTA/GCLP-F21/2005-34
214			TBD2V8P	204.7 kW	
215	Kaytee Switchgear Ltd., Hubli	F4	R6113ZLD	155 kW	ARAI/MOEF/DGTA/KSL-F4/2005-37
216	Kaytee Switchgear Ltd., Hubli	F3	6KSWITC105	127 kW	ARAI/MOEF/DGTA/KSL-F3/2006-02
217	Ashok Leyland Ltd., Hosur	F5	ALGWD618.428	231.3 kW	ARAI/MOEF/DGTA/ALL-F5/2006-007
218	HPPL, Hosur	F1	3306 DITA GS-2	203 kW	ARAI/MOEF/DGTA/HPL-F1/2006-015
219			3306 DITA GP-1	163 kW	
220			3306 DITA GS-1	179 kW	
221			3306 DITA GP-2	184 kW	
222	HPPL Hosur	F2	3306 DITA GP-3	203 kW	ARAI/MOEF/DGTA/HPL-F2/2006-016
223			3306 DITA GS-3	224 kW	
224			3306 DITA GP-4	228 kW	
225	Kirloskar Oil Engines Ltd., Pune	F20	6SL1500TASR	164.5 kW	ARAI/MOEF/DGTA/KOEL-F20/2006-028
226			6SL1500TASR2	184.0 kW	
227	Kirloskar Oil Engines Ltd., Pune	F8	6SL1500TAI	164.5 kW	ARAI/MOEF/DGTA/KOEL-F8/2006-029
228			6SL1500TA	184.0 kW	
229	CPIPL, Hosur	F1	3306 DITA GS-2	203 kW	ARAI/MOEF/DGTA/CPIPL-F1/2007-002
230			3306 DITA GP-1	179 kW	
231			3306 DITA GS-1	179 kW	
232			3306 DITA GP-2	184 kW	
233	Greaves Cotton Ltd., Chinchwad, Pune	F21	TBD2V6MK IP	145.8 kW	ARAI/MOEF/DGTA/GCLP-F21/2007-019
234			TBD2V8P	179 kW	
235			3306 DITA GP-2	184 kW	
236	Greaves Cotton Ltd., Chinchwad, Pune	F3	6YDMK3	68.40 kW	ARAI/MOEF/DGTA/GCLP-F3/2007-031
237	Greaves Cotton Ltd., Chinchwad, Pune	F2	6YDCMK3	114.3 kW	ARAI/MOEF/DGTA/GCLP-F2/2007-037
238	Volvo India Pvt. Ltd., Bangalore	F5	TAD734GE	216 kW	ARAI/MOEF/DGTA/IMP/VOLVO-F5/2007- 048

AUTHORISED SIGNATORY			
SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR	Page 12 of 14

Annexure-III Cont.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
239	Standard Combines Pvt. Ltd., (Tractor Division), Barnala, Punjab)	F1	TBD4V6	222.86 kW	ARAI/MOEF/DGTA/SCPL-F1/2008-008
240			TBD4IV6	222.86 kW	
241	Caterpillar India Pvt. Ltd., Mathagondapalli, TN	F2	3306 DITA-GP-3	203 kW	ARAI/MOEF/DGTA/CIPL-F2/2008-018
242			3306 DITA-GS-3	224 kW	
243			3306 DITA-GP-4	228 kW	
244	Greaves Cotton Ltd., Chinchwad, Pune	F26	TBD2V8MKI	186.08 kW	ARAI/MOEF/DGTA/GCLP-F26/2008-025
245	TLD Europe, France	F1	QSB6.7	164 kW	ARAI/MOEF/DGTA/IMP/TLD-F1/2008-046
246	Lombardini India Pvt. Ltd., Aurangabad	F10	TD226B-6IID1	116.2 kW	ARAI/MOEF/DGTA/IMP/LIPL-F10/2008-058
247	Ashok Leyland Ltd., Chennai	F22	AL4127AG2	125 kW	ARAI/MOEF/DGTA/ALL-F22/2008-072
248	Cummins India Ltd., Daman	F6	6BTA5.9-G5	93 kW	ARAI/MOEF/DGTA/CIL-F6/2003-15-E1
249			6BTA5.9G2I	114 kW	
250	SuperNova Engineers Ltd., Ahmedabad	F6	YC6M320D	235.5 kW	ARAI/MOEF/DGTA/IMP/SEL-F6/2008-074
251	SuperNova Engineers Ltd., Ahmedabad	F5	YC6A190D	133.5 kW	ARAI/MOEF/DGTA/IMP/SEL-F5/2008-075
252	Mahindra & Mahindra Ltd.,	F21	62805GC	186 kW	ARAI/MOEF/DGTA/IMP/M&M-F21/2008-078
253	Mahindra & Mahindra Ltd.,	F20	62205GC	146 kW	ARAI/MOEF/DGTA/IMP/M&M-F20/2008-079
254	Shanghai Diesel Engiens Co. Ltd.	F2	G128ZLD	187 kW	ARAI/MOEF/DGTA/IMP/SDEC-F2/2009-017
255			G128ZLD1	236 kW	
256			G128ZLD2	206 kW	
257	Shanghai Diesel Engiens Co. Ltd.	F3	SC11CB300D1	221 kW	ARAI/MOEF/DGTA/IMP/SDEC-F3/2009-018
258	Mahindra & Mahindra Ltd., Kandivili, Mumbai	F25	63455GC	230 kW	ARAI/MOEF/DGTA/IMP/M&M-F25/2009-019
259	Shandong Weichai Huafeng Power Co. Ltd. China	F5	R6105ZLD1-P1	84 kW	ARAI/MOEF/DGTA/IMP/HUA-F5/2009-022
260	Shandong Weichai Huafeng Power Co. Ltd. China	F8	R6105ZLD1-P1	127 kW	ARAI/MOEF/DGTA/IMP/HUA-F8/2009-025
261			R6105ZLD-P1	110 kW	
262	Lombardini India Pvt. Ltd., Aurangabad	F11	WD10D260 E21	204.30 kW	ARAI/MOEF/DGTA/IMP/LIPL-F12/2009-034
263	Indo Marine Engineering Co. Pvt. Ltd., Pune	F2	6081HF001 200	200 kW	ARAI/MOEF/DGTA/IMP/IMEC-F2/2009-037
264			6081HF001 260	260 kW	

AUTHORISED SIGNATORY

			Page 13 of 14
SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR	

Annexure-III Cont.

S. No.	Manufacturer Name & Address	Engine Family	Engine Model	Rated Gross Mechanical Declared Power	Type Approval Certificate Number
265	Kirloskar Electric Co. Ltd. Gokul Road, Hubli- 580030.	F20	6IKK135ZLD	187 kW	ARAI/MOEF/DGTA/KECL-F20/2010-001
266	Kirloskar Electric Co. Ltd. Gokul Road, Hubli- 580030.	F21	6IKC120IZD2	236 kW	ARAI/MOEF/DGTA/KECL-F21/2010-002
267	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune-19	F30	TBD3V6MK-II	230.2 kW	ARAI/MOEF/DGTA/GCLP-F30/2010-078
268	Navistar, Inc. 10400 W. North Ave. Melrose Park, IL 60160, USA	F1	GCB300A	224 kW	ARAI/MOEF/DGTA/IMP/NAV-F1/2010-081
269	Deutz (Dalian) Engine Co., Ltd., No-49 DangBei Road, Sha Hekou District, Dalian, China	F6	BF6M1013FC	201 kW	ARAI/MoEF/IMP/DGTA/DEIPL-F6/2010-084
270			BF4M1013FC	102 kW	
271			BF4M1013EC	129 kW	
272			BF6M1013EC	153 kW	
273	Mahindra Navistar Engines Pvt. Ltd., Pune	F2	S12-I (160 KVA)	146.13 kW	ARAI/MoEF/DGTA/MNEPL-F2/2010-086
274			S12-II (140 KVA)	128.74 kW	
275			S12-III (125KVA)	114.7 kW	
276	Cummins India Ltd., Power Generation Business Unit Daman-396210	F18	6BTAA5.9-G3	115 kW	ARAI/MoEF/DGTA/CILD-F18/2010-089
277			6BTAA5.9-G4	127 kW	
278	Yuchai Machinery Co. Ltd. 88, Tianqiao West Road, Yulin, Guangxi	F8	YC6B155L-D20	112 kW	ARAI/MoEF/DGTA/IMP/SEL-F8/2010-093
279	Perkins Engines Company Ltd., Eastfield, Peterborough, PE15NA	F4	1306C-E87 TAG4	224 kW	ARAI/MoEF/DGTA/IMP/PECL-F4/2011-002
280	Mak Controls and Systems Pvt. Ltd., 7/41-B, Avinashi Road, Coimbatore	F7	BF4M1013FC	117 kW	ARAI/MoEF/DGTA/IMP/MCSP-F7/2011-017
281			BF6M1013FC	187 kW	
282	Kirloskar Electric Company Limited, Unit 14, Gokul Road, Hubli 580030	F4	6KSWITC113	155 kW	ARAI/MoEF/DGTA/KECL-F4/2011-025
283	Kirloskar Electric Company Limited, Unit 14, Gokul Road, Hubli 580030	F25	6IKK135ZLD1	236 kW	ARAI/MoEF/DGTA/IMP/KECL-F25/2011-030
284	DEUTZ AG Otto Str. 1, D-51149 Cologne, Germany	F11	BF6M1015C	214 kW	ARAI/MoEF/DGTA/IMP/DEU-F10/2011-035

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

*** END OF DOCUMENT ***

AUTHORISED SIGNATORY			
SITARAM KASHYAP DEPUTY GENERAL MANAGER		SAURABH DALELA DIRECTOR	Page 14 of 14