

## LIST OF MANUFACTURERS OF DIESEL ENGINES (UPTO 800 KW) WHO HAVE OBTAINED CONFORMITY OF PRODUCTION VERIFICATION CERTIFICATES (COP) FOR ENGINE EMISSION COMPLIANCE

- As per section 3 of the Govt. Of India notification GSR 371 (E), dated 17.05.2002 and its amendments, at serial number 95, every manufacturer or assembler or Importer (hereinafter referred to as 'manufacturer') of DG sets (hereinafter referred to as 'product') to which these regulations apply must have valid Certificates of Type Approval and also valid certificates of Conformity of Production for each year, for all the product models being manufactured or Assembled or imported from the date as mentioned in section 1 of the above notification depending on different torque %.
- The list of manufacturers of Diesel Gensets (upto 800 KW) who have obtained Conformity of Production Verification for **Emission Compliance** is given below.

**COP Year: 1<sup>st</sup> July 2010 – 30<sup>th</sup> June 2011**

**Certification Agency: Automotive Research Association of India (ARAI), Pune**

S. No.	Name & Address of Genset Manufacturers	Family	Engine Model	Declared Power	Engine models tested for COP compliance	Rated COP Power	Type Approval Certificate No. and date	Latest COP Certificate No. & date	Summary of Emission Test Results					Valid up to COP Year
									NO <sub>x</sub>	CO	HC	PM	Smoke	
									(g/kW-hr)				m <sup>-1</sup>	
1	M/s. Cummins India Ltd. Kothrud, Pune 411038	F14	KTA38-G2-I KTA38-G3-I	664 kW 709 kW	KTA38-G2-I	664 kW	ARAI/MOEF/DGTA/CIL-F14/2007-46 dtd. 7th August 2007 & ARAI/MOEF/DGTA/CIL-F14/2007-46-E1 dtd. 14th January 2010	ARAI/MoEF/DGCoP/CILP-F14/10-11/001, dated 8th November 2010	7.43	0.70	0.22	0.230	0.121	1 <sup>st</sup> July 2012
2	M/s. Caterpillar India Pvt. Ltd. Power Systems Division Mathagondapalli Hosur	F1	3306 DITA-GS-2 3306 DITA-GP-1 3306 DITA-GS-1 3306 DITA-GP-2	203 kW 163 kW 179 kW 184 kW	3306 DITA-GP-2	184 kW	ARAI/MOEF/DGTA/CIPL-F1/2008-017 dtd. 21st May 2008	ARAI/MoEF/DGCoP/CIPL-F1/10-11/002, dated 15th November 2010	8.25	1.20	0.64	0.228	0.030	1 <sup>st</sup> July 2012

3	M/s. Caterpillar India Pvt. Ltd. Power Systems Division Mathagondapalli Hosur	F2	3306 DITA-GS-4 3306 DITA-GS-3 3306 DITA-GP-4 3306 DITA-GP-3	250 kW 224 kW 228 kW 203 kW	3306 DITA- GP-4	228 kW	ARAI/MOEF/DGTA/CIPL- F2/2008-018 dtd. 21st May 2008	ARAI/MoEF/DGCoP/CIPL -F2/10-11/003, dated 15th November 2010	7.09	1.04	0.57	0.165	0.050	1 <sup>st</sup> July 2012
4	M/s. Greaves Cotton Ltd. Diesel Engines Unit, Chinchwad, Pune.	F26	4G11NAP 3G11NAP 3G11NAG2 3G11NAG1 4G11NAG1	42.3 kW 33.1 kW 28 kW 24.3 kW 38.2 kW	3G11NAG2	28 kW	ARAI/MOEF/DGTA/GCLP- F26/2009-040 dtd. 20th August 2009	ARAI/MoEF/DGCoP/GCL P-F26/10-11/004, dated 18th November 2010	7.80	1.64	0.42	0.160	0.180	1 <sup>st</sup> July 2012
5	M/s. Cummins India Ltd. Kothrud, Pune 411038	F15	VTA28-G5 I VTA28-G3 I	560 kW 530 kW	VTA28-G5 I	560 kW	ARAI/MOEF/DGTA/CIL- F15/2007-055 dtd. 31st August 2007 & ARAI/MOEF/DGTA/CIL- F15/2007-055 E-1 dtd. 14th January 2010	ARAI/MoEF/DGCoP/CILP -F15/10-11/005, dated 24th November 2010	8.38	1.01	0.36	0.236	0.149	1 <sup>st</sup> July 2012
6	M/s. Kirloskar Electric Company Ltd. Unit 14, Gokul Road, Hubli 580 030	F2	4KSWTC105	54.6 kW	4KSWTC105	54.6 kW	ARAI/MOEF/DGTA/KSL- F2/2005-36 dtd. 10th January 2006 & ARAI/MOEF/DGTA/KSL- F2/2005-36-E1 dtd. 4th March 2009	ARAI/MoEF/DGCoP/KECL -F2/10-11/006, dated 25th November 2010	6.71	1.32	0.81	0.165	0.550	1 <sup>st</sup> July 2012
7	M/s. Kirloskar Electric Company Limited Unit 14, Gokul Road, Hubli 580 030	F9	4KSWN108	44 kW	4KSWN108	44 kW	ARAI/MOEF/DGTA/KSL- F9/2007-018 dtd. 13th March 2007 & ARAI/MOEF/DGTA/KSL- F9/2007-018-E1 dtd. 4th March 2009	ARAI/MoEF/DGCoP/KECL -F9/10-11/007, dated 25th November 2010	7.59	0.88	0.51	0.122	0.22	1 <sup>st</sup> July 2012
8	M/s. Kirloskar Electric Company Limited Unit 14, Gokul Road, Hubli 580 030	F11	2KFWN105	17 kW	2KFWN105	17 kW	ARAI/MOEF/DGTA/KSL- F11/2008-026 Dtd. 3rd July 2008 & ARAI/MOEF/DGTA/KSL-	ARAI/MoEF/DGCoP/KECL -F11/10-11/008, dated 26th November 2010	7.78	1.96	0.53	0.128	0.506	1 <sup>st</sup> July 2012
									8.12	1.78	0.47	0.138	0.644	

							F11/2008-026-E1 Dtd. 4th March 2009		8.23 7.87	1.75 2.61	0.48 0.59	0.133 0.112	0.472 0.455	
9	M/s. Kirloskar Electric Company Limited Unit 14, Gokul Road, Hubli 580 030	F7	6KSWATC105	110 kW	6KSWATC105	110 kW	ARAI/MOEF/DGTA/KSL-F7/2006-39 dtd. 5th February 2007 & ARAI/MOEF/DGTA/KSL-F7/2006-39-E1 dtd. 4th March 2009	ARAI/MoEF/DGCoP/KECL-F7/10-11/009, dated 26th November 2010	7.00	1.20	0.74	0.205	0.320	1 <sup>st</sup> July 2012
10	M/s. Kirloskar Electric Company Limited Unit 14, Gokul Road, Hubli 580 030	F3	6KSWITC105	127 kW	6KSWITC105	127 kW	ARAI/MOEF/DGTA/KSL-F3/2006-02 dtd. 28th January 2006 & ARAI/MOEF/DGTA/KSL-F3/2006-02-E1 dtd. 4th March 2009	ARAI/MoEF/DGCoP/KECL-F3/10-11/010, dated 29th November 2010	6.95	0.92	0.68	0.152	0.260	1 <sup>st</sup> July 2012
11	M/s. Kirloskar Electric Company Limited Unit 14, Gokul Road, Hubli 580 030	F21	6IKC120IZD2	236 kW	6IKC120IZD2	236 kW	ARAI/MOEF/DGTA/KECL-F21/2010-002 dtd. 16th February 2010	ARAI/MoEF/DGCoP/KECL-F21/10-11/011, dated 29th November 2010	7.09	1.03	0.58	0.172	0.080	1 <sup>st</sup> July 2012
12	M/s. Kirloskar Electric Company Limited Unit 14, Gokul Road, Hubli 580 030	F20	6IKK135ZLD	187 kW	6IKK135ZLD	187 kW	ARAI/MOEF/DGTA/KECL-F20/2010-001 dtd. 16th February 2010	ARAI/MoEF/DGCoP/KECL-F20/10-11/012, dated 29th November 2010	8.50	1.27	0.71	0.097	0.139	1 <sup>st</sup> July 2012
13	M/s. Kirloskar Electric Company Ltd. Unit 14, Gokul Road, Hubli 580 030	F1	3KFWN105	23 kW	3KFWN105	23 kW	ARAI/MOEF/DGTA/KSL-F1/2007077- dtd. 16th Jan 2008 & ARAI/MOEF/DGTA/KSL-F1/2007-077-E-1, dtd. 4th March 2009	ARAI/MoEF/DGCoP/KECL-F1/10-11/013, dated 30th November 2010	8.20	2.96	0.88	0.098	0.224	1 <sup>st</sup> July 2012

14	M/s. Kirloskar Electric Company Limited Unit 14, Gokul Road, Hubli 580 030	F8	4KFWN105	32.5 kW	4KFWN105	32.5 kW	ARAI/MoEF/DGTA/KSL-F8/2007-075 dtd. 16th January 2008 & ARAI/MoEF/DGTA/KSL-F8/2007-075-E1 dtd. 4th March 2009	ARAI/MoEF/DGCoP/KECL-F8/10-11/014, dated 30th November 2010	8.19	3.06	0.91	0.082	0.230	1 <sup>st</sup> July 2012
15	M/s. Greaves Cotton Ltd. Diesel Engines Unit, Chinchwad, Pune	F17	TBD3V6MK-I TBD3V6MK-I P TBD3V6 TBD3V6P TBD3V8 TBD3V8P	186 kW 186 kW 169 kW 169 kW 230.2 kW 230.2 kW	TBD3V8	230.2 kW	ARAI/MOEF/DGTA/GCLP-F17/2005-031 dtd. 26.11.2005	ARAI/MoEF/DGCoP/GCLP-F17/10-11/015, dated 1st December 2010	6.01	0.99	0.31	0.190	0.289	1 <sup>st</sup> July 2012
16	M/s. Mahindra & Mahindra Ltd. FES, Kandivli,(East), Mumbai	F5	3305GM 4375GM	19.8 kW 24.6 kW	4375GM	24.6 kW	ARAI/MOEF/DGTA/M&M-F5/2004-24 dtd. 12.07.2004 & ARAI/MOEF/DGTA/M&M-F5/2008-049 dtd. 05.09.2008	ARAI/MoEF/DGCoP/M&M-F5/10-11/016, dated 3 <sup>rd</sup> December 2010	8.00	2.07	0.73	0.245	0.13	1st July 2012
									7.21	1.72	0.70	0.230	0.15	
									6.91	1.82	0.71	0.254	0.11	
									7.18	1.84	0.85	0.227	0.10	
									7.57	1.78	0.70	0.183	0.14	
									8.18	1.76	0.68	0.198	0.21	
17	M/s. Greaves Cotton Ltd. Chinchwad, Pune	F1	2YWA MK5 2YWA MK3 3YWA MK3	17.35 kW 12.5 kW 18.62 kW	1YWA-MK6	9.49 kW	ARAI/MoEF/DGTA/GCLP-F1/2007-033 dtd. 12th July 2007	ARAI/MoEF/DGCoP/GCLP-F20/10-11/017, dated 3rd December 2010	8.04	2.45	0.82	0.134	0.19	1st July 2012
		F20	1YWA-SP 1YWA-MK6 2YWA-MK6	9.9 kW 9.49 kW 19.194 kW					8.00	2.92	0.57	0.098	0.21	
		8.54	2.63	0.59					0.117	0.25				
		8.54	2.35	0.54					0.165	0.41				
		7.86	1.60	0.59					0.182	0.19				

18	M/s. Greaves Cotton Ltd. Diesel Engines Unit, Chinchwad, Pune	F10	TD4L4P	114.7 kW	TD4L4P	114.7 kW	ARAI/MOEF/DGTA/GCLP-F10/2006-022 dtd. 20.07.2006	ARAI/MoEF/DGCoP/GCLP-F10/10-11/018, dated 3rd December 2010	8.15	0.70	0.24	0.203	0.49	1 <sup>st</sup> July 2012
19	M/s. Mahindra & Mahindra Ltd. FES, Kandivli (East) Mumbai	F2	2185GM 2205GM 3255GM	12 kW 13.4 kW 16.7 kW	2185 GM	12 kW	ARAI/MOEF/DGTA/M&M-F2/2008-028 dtd. 09.06.2008	ARAI/MoEF/DGCoP/M&M-F2/10-11/019, dated 6th December 2010	6.80	2.04	0.62	0.162	0.15	1 <sup>st</sup> July 2012
		F6	1065GC	4 kW			ARAI/MOEF/DGTA/M&M-F6/2005-28 dtd. 24.09.2005		6.53	2.25	0.72	0.200	0.14	
		F7	1085GC	5.1 kW			ARAI/MOEF/DGTA/M&M-F7/2005-30 dtd. 29.10.2005		6.13	2.38	0.88	0.299	0.24	
									6.11	2.49	0.79	0.223	0.20	
20	M/s. Kirloskar Oil Engines Ltd. Khadki, Pune	F6	HA494T HA694T	41.2kW 61 kW	HA694T	61 kW	ARAI/MOEF/DGTA/KOEL-F6/2004-35 dtd. 11.09.2004	ARAI/MoEF/DGCoP/KOEL-F6/10-11/020, dated 20th December 2010	8.10	1.08	0.41	0.140	0.06	1st July 2012
							& ARAI/MOEF/DGTA/KOEL-F6/2004-35-E1 dtd. 01.10.2009		7.28	1.11	0.29	0.152	0.09	
									7.86	1.18	0.33	0.129	0.08	
21	M/s. Cummins India Ltd., Low Horsepower Business Unit, Bhimpore, Daman  M/s. Cummins India Ltd., DTA Unit, Gate no. 311/1B, At post Kasar Amboli, Pirangut, Taluka Mulshi	F4	X2.5 G2	23.72 kW	X2.5G2	23.72 kW	ARAI/MOEF/DGTA/CIL-F4/2004-012 dtd. 26.02.2004	ARAI/MoEF/DGCoP/CIL-F4/10-11/021, dated 22th December 2010	6.93	3.13	0.69	0.141	0.36	1st July 2012
							& ARAI/MOEF/DGTA/CIL-F4/2004-012 E-1 dtd. 25.03.2007		7.26	3.14	0.75	0.168	0.33	
									7.46	2.97	0.74	0.142	0.19	
									7.76	2.76	0.68	0.147	0.17	
									7.68	2.83	0.69	0.121	0.19	

22	M/s. Kirloskar Oil Engines Ltd., Khadki, Pune.	F21	6SL8800TA	228 kW	6SL8800TA	228 kW	ARAI-RCN/MOEF/DGTA/KOEL-F21/2006-030 dtd. 13.10.2006	ARAI/MoEF/DGCoP/KOELK-F21/10-11/023, dated 22th December 2010	7.84	0.60	0.16	0.074	0.03	1 <sup>st</sup> July 2012
23	M/s. Greaves Cotton Ltd. Diesel Engines Unit, Chinchwad, Pune	F24	3G11TG2 3G11TG1 4G11TG2 4G11TG1 3G11TG3 3G11TG4	43.4 kW 38.2 kW 69.1 kW 61 kW 47 kW 33.1 kW	4G11TG2	69.1 kW	ARAI/MoEF/DGTA/GCLP-F24/2009-064, Dtd 20th January 2010	ARAI/MoEF/DGCoP/GCLP-F24/10-11/024, dated 24th December 2010	8.46	0.74	0.24	0.164	0.15	1 <sup>st</sup> July 2012
24	M/s. Caterpillar India Pvt. Ltd. Power Systems Division Mathagondapalli Hosur	F3	3406 DITA-GS-2 3406 DITA-GS-1 3406 DITA-GP-2 3406 DITA-GP-1	351 kW 322 kW 319 kW 292 kW	3406 DITA-GP-2	319 kW	ARAI/MOEF/DGTA/CIPL-F3/2008-019 dtd. 21st May 2008	ARAI/MoEF/DGCoP/CIPL-F3/10-11/025, dated 28th December 2010	8.48	1.25	0.20	0.176	0.43	1 <sup>st</sup> July 2012
25	M/s. Caterpillar India Pvt. Ltd. Power Systems Division Mathagondapalli Hosur	F5	3412 DITA-GS-3 3412 DITA-GP-3	696 kW 633 kW	3412 DITA-GP-3	633 kW	ARAI/MOEF/DGTA/CIPL-F5/2008-021 dtd. 21st May 2008	ARAI/MoEF/DGCoP/CIPL-F5/10-11/026, dated 28th December 2010	7.50	1.42	0.20	0.161	0.22	1 <sup>st</sup> July 2012
26	M/s. Caterpillar India Pvt. Ltd. Power Systems Division Mathagondapalli Hosur	F6	C-18-GS-3 C-18-GS-2 C-18-GS-1 C-18-GP-3 C-18-GP-2 C-18-GP-1	592 kW 548 kW 509 kW 527 kW 498 kW 452 kW	C-18-GP-1	452 kW	ARAI/MOEF/DGTA/CIPL-F6/2008-022 dtd. 21st May 2008	ARAI/MoEF/DGCoP/CIPL-F6/10-11/027, dated 28th December 2010	6.24	1.17	0.11	0.099	0.14	1 <sup>st</sup> July 2012
27	M/s. Greaves Cotton Ltd. Diesel Engines Unit, Chinchwad, Pune	F19	TBD3V12P TBD3V12MK-I TBD3V12	379 kW 356.7 kW 333.2 kW	TBD3V12	333.2 kW	ARAI/RCN/MOEF/DGTA/GCLP-76/2007-030 Dtd.19.03.2007	ARAI/MoEF/DGCoP/GCLP-F19/10-11/028, dated 28th December 2010	5.66	0.82	0.24	0.185	0.10	1 <sup>st</sup> July 2012

28	M/s. Greaves Cotton Ltd. Diesel Engines Unit, Chinchwad, Pune	F25	4G11TAG1 4G11TAG2	77.2 kW 93.4 kW	4G11TAG2	93.4 kW	ARAI/MOEF/DGTA/GCLP- F25/2009-039 dtd. 20.08.2009	ARAI/MoEF/DGCoP/GCL P-F25/10-11/030, dated 29th December 2010	8.74	0.45	0.17	0.136	0.09	1 <sup>st</sup> July 2012
29	M/s. Greaves Cotton Ltd. Diesel Engines Unit, Chinchwad, Pune	F22	TBD4L4 TBD4V6 TBD4V8 TBD4V12 TBD4 I V6 TBD4 I V12 TBD4 I V6P TBD4 I V12P	148.60 kW 222.86 kW 292.73 kW 444 kW 222.86 kW 444 kW 245.65 kW 488 kW	TBD4IV12P	488 kW	ARAI/MOEF/DGTA/GCLP- F22/2007-024 dtd. 2nd July 2007	ARAI/MoEF/DGCoP/GCL P-F22/10-11/031, dated 5th January 2011	8.88	1.17	0.24	0.244	0.480	1 <sup>st</sup> July 2012
30	M/s. Kirloskar Oil Engines Ltd. Khadki, Pune	F9	8K15TASRI 8K15TA 10K18TA 10K18TASRI 12K22TA 12K22TASRI	414 kW 363 kW 443 kW 496 kW 532 kW 574 kW	10K18TA	443 kW	ARAI/MOEF/DGTA/KOEL- F9/2004-027 dtd. 02.08.2004 & ARAI/MOEF/DGTA/KOEL- F9/2004-027-E1 dtd. 24.06.2009	ARAI/MoEF/DGCoP/IMP /KOELK-F9/10-11/032, dated 7th January 2011	6.73	0.95	0.31	0.161	0.250	1 <sup>st</sup> July 2012
31	M/s. Kirloskar Oil Engines Ltd. Khadki, Pune	F10	6KL12TASRI 6KL12TA 6KL12TASRII	284 kW 241 kW 272 kW	6KL12TASRI	284 kW	ARAI/MOEF/DGTA/IMP/KOE L-F10/2004-026 dtd. 02.08.2004 & ARAI/MOEF/DGTA/IMP/KOE L-F10/2004-026-E1 dtd.24.06.2009	ARAI/MoEF/DGCoP/IMP /KOELK-F10/10-11/033, dated 11 <sup>th</sup> January 2011	6.56	0.40	0.34	0.129	0.11	1 <sup>st</sup> July 2012
32	M/s. MHI-VST Diesel Engines Pvt. Ltd. Plot No. 305, Hebbal Industrial Area, Metagalli, Mysore-570016	F4	S4L 29.8G01	29.8 kW	S4L2 29.8G01	29.8 kW	ARAI/MOEF/DGTA/IMP/MV DE- F4/2008-038 dtd. 20th August 2008	ARAI/MoEF/DGCoP/IMP /MVDE-F4/10-11/034, dated 12th January 2011	7.59	1.48	0.34	0.174	0.12	1 <sup>st</sup> July 2012

33	M/s. MHI-VST Diesel Engines Pvt. Ltd., Plot No. 305, Hebbal Industrial Area, Metagalli, Mysore-570016	F1	L2E 10.1K30D01 L2E 9.5K30D01 L2E 9.0K30D01 L2E 8.5K30D01 L2E 8.0K30D01 L2E 7.5K30D01 L2E 7.0K30D01	10.1 kW 9.5 kW 9 kW 8.5 kW 8 kW 7.5 kW 7 kW	L2E 10.1K30D01	10.1 kW	ARAI/MOEF/DGTA/MVDE-F1/2008-039 dtd. 20.08.2008	ARAI/MoEF/DGCoP/MVDE-F1/10-11/035, dated 12th January 2011	6.48	2.00	0.54	0.194	0.23	1 <sup>st</sup> July 2012
		F2	L3E 15.1K30D01 L3E 13.5K30D01 L3E 12.0K30D01 L3E 10.5K30D01	15.1 kW 13.5 kW 12 kW 10.5 kW					ARAI/MOEF/DGTA/MVDE-F2/2008-033 dtd. 16.07.2008 & ARAI/MOEF/DGTA/MVDE-F2/2010-018 dtd.23.02.2010	6.40	2.38	0.61	0.206	
							7.66		2.33	0.54	0.262	0.24		
							7.33		2.08	0.56	0.182	0.22		
34	M/s. MHI-VST Diesels Engines Pvt. Ltd., Plot No. 305, Hebbal Industrial Area, Metagalli, Mysore-570016	F3	S3L 21.8G01	21.8 kW	S3L2 21.8G01	21.8 kW	ARAI/MOEF/DGTA/IMP/MVDE- F3/2008-040 dtd. 29th July 2008	ARAI/MoEF/DGCoP/IMP/MVDE-F3/10-11/036, dated 14th January 2011	6.86	2.08	0.48	0.156	0.10	1 <sup>st</sup> July 2012
35	M/s. Greaves Cotton Ltd. Diesel Engines Unit, Chinchwad, Pune	F21	TBD2V6 MK-I P TBD2V8P TBD2V12P TBD2V6 MK-I TBD2V8 MK-I TBD2V12 MK-I TBD2V12 TBD2V12 MK-II TBD2V12 MK-II P	164 kW 204.7 kW 320.4 kW 144.89 kW 186.08 kW 275.81 kW 245.65 kW 291.258 kW 291.258 kW	TBD2V12 MK-II	291.25 8 kW	ARAI/MOEF/DGTA/GCLP-F21/2007-019 dtd. 9th July 2007	ARAI/MoEF/DGCoP/GCLP-F21/10-11/037, dated 18th January 2011	6.91	1.41	0.35	0.270	0.41	1 <sup>st</sup> July 2012

36	M/s. Kirloskar Oil Engines Ltd. Kagal, Kolhapur	F5	HA394 HA494 HA694	23.5 kW 31.6 kW 47.8 kW	HA394	23.5 kW	ARAI/MOEF/DGTA/KOEL- F5/2003-002 dtd. 28.03.2003 & ARAI/MOEF/DGTA/KOEL- F5/2003-002-E1 dtd. 01.10.2008	ARAI/MoEF/DGCoP/KOE LKG-F5/10-11/038, dated 4 <sup>th</sup> March 2011	8.37	2.64	0.40	0.066	0.097	1 <sup>st</sup> July 2012
									7.96	2.71	0.50	0.092	0.125	
									7.69	2.45	0.37	0.093	0.334	
									7.88	2.40	0.46	0.097	0.203	
37	M/s. Ashok Leyland Ltd. Hosur	F18	AL6DTIG2	114 kW	AL6DTIG2	114 kW	ARAI/MOEF/DGTA/ALL- F18/2008-042 dtd. 29.09.2008	ARAI/MoEF/DGCoP/ALL- F18/10-11/039, dated 25th January 2011	8.35	0.72	0.12	0.119	0.21	1 <sup>st</sup> July 2012
									8.16	0.70	0.13	0.097	0.18	
38	M/s. Ashok Leyland Ltd. Chennai	F14	AL4102G1	33.3 kW	AL4102G1	33.3 kW	ARAI/MOEF/DGTA/ALL- F14/2007-061 dtd. 28th September 2007	ARAI/MoEF/DGCoP/ALL- F14/10-11/040, dated 25th January 2011	7.51	3.16	0.94	0.185	0.19	1 <sup>st</sup> July 2012
39	M/s. Ashok Leyland Ltd. Chennai	F21	AL485TAG3	26 kW	AL485TAG3	26 kW	ARAI/MOEF/DGTA/ALL- F21/2008-063 dtd. 17th November 2008	ARAI/MoEF/DGCoP/ALL- F21/10-11/041, dated 25th January 2011	8.04	0.86	0.29	0.166	0.19	1 <sup>st</sup> July 2012
									8.30	0.75	0.31	0.132	0.08	
40	M/s. Ashok Leyland Ltd. Hosur	F17	AL6DTI G1	91 kW	AL6DTIG1	91 kW	ARAI/MOEF/DGTA/ALL- F17/2008-041 dtd. 29.09.2008	ARAI/MoEF/DGCoP/ALL- F17/10-11/042, dated 25th January 2011	8.12	0.71	0.15	0.214	0.12	1 <sup>st</sup> July 2012
41	M/s. Ashok Leyland Ltd. Chennai	F13	AL485 G1	17.5 kW	AL485G1	17.5 kW	ARAI/MOEF/DGTA/ALL- F13/2007-025 dtd. 11th July 2007	ARAI/MoEF/DGCoP/ALL- F13/10-11/043, dated 25th January 2011	6.83	2.14	0.70	0.177	0.44	1 <sup>st</sup> July 2012
									7.25	2.05	0.80	0.201	0.35	
									7.27	2.71	0.99	0.249	0.48	
									6.87	2.35	0.81	0.201	0.31	
42	M/s. Ashok Leyland Ltd. Chennai	F20	AL485TG2	22 kW	AL485TG2	22 kW	ARAI/MOEF/DGTA/ALL- F20/2008-064 dtd. 17th November 2008	ARAI/MoEF/DGCoP/ALL- F20/10-11/044, dated 25 <sup>th</sup> January 2011	9.04	0.96	0.37	0.226	0.32	1 <sup>st</sup> July 2012
43	M/s. Ashok Leyland Ltd. Hosur	F19	AL4DTIG2 AL4DTIG1	77 kW 70 kW	AL4DTIG2	77 kW	ARAI/MOEF/DGTA/ALL- F19/2008-062 dtd. 03rd October 2008	ARAI/MoEF/DGCoP/ALL- F19/10-11/045, dated 25 <sup>th</sup> January 2011	7.94	3.25	0.13	0.183	0.25	1 <sup>st</sup> July 2012

44	M/s. Cummins India Ltd. Kothrud, Pune	F20	NTA-855-G2-I	283 kW	NTA-855-G2-I	283 kW	ARAI/MOEF/DGTA/CIL-F20/2007-029 dtd. 9th July 2007 & ARAI/MOEF/DGTA/CIL-F20/2007-029-E1 dtd. 14th January 2010	ARAI/MoEF/DGCoP/CILP-F20/10-11/046 dated 27 <sup>th</sup> January 2011	7.04	1.20	0.33	0.219	0.10	1 <sup>st</sup> July 2012
45	M/s. Kirloskar Oil Engines Ltd. Khadki, Pune	F2	6R1080T 4R1040T	93.3 kW 61 kW	6R1080T	93.3 kW	ARAI/MOEF/DGTA/KOEL-F2/2004-20 dtd. 17.06.2004 & ARAI/MOEF/DGTA/KOEL-F2/2004-20-E1 dtd. 01.10.2008	ARAI/MoEF/DGCoP/KOEL-F2/10-11/049, dated 7 <sup>th</sup> Feb 2011	8.04	0.84	0.82	0.282	0.18	1st July 2012
									7.78	0.94	0.64	0.278	0.28	
									8.07	0.86	0.82	0.227	0.276	
									7.68	0.87	0.77	0.230	0.294	
46	M/s. Kirloskar Oil Engines Ltd., Khadki, Pune	F23	DV8	360 kW	DV8	360 kW	ARAI/MoEF/DGTA/KOELK-F23/2010-101 Dtd. 03.02.2011	ARAI/MoEF/DGCoP/KOELK-F23/10-11/050, dated 4 <sup>th</sup> Feb 2011	7.59	0.33	0.07	0.083	0.03	1 <sup>st</sup> July 2012
47	M/s Mahindra & Mahindra Ltd., FES,Kandivli(E), Mumbai-400 101	F10	4445 TC GM (MDI) 4505 TC GM (MDI)	29.4 kW 33 kW	4445 TC GM (MDI)	29.4 kW	ARAI/MOEF/DGTA/M&M-F10/2007-016 dtd. 20.03.2007	ARAI/MoEF/DGCoP/M&M-F10/10-11/051, dated 8 <sup>th</sup> Feb 2011	7.46	1.21	0.44	0.196	0.12	1 <sup>st</sup> July 2012
									7.95	1.18	0.40	0.202	0.16	
48	M/s Mahindra & Mahindra Ltd., FES,Kandivli(E), Mumbai-400 101	F4	4575 GM	38.25 kW	4575 GM	38.25 kW	ARAI/MOEF/DGTA/M&M-F4/2004-005 dtd. 19.03.2004 & ARAI/MOEF/DGTA/M&M-F4/2009-031 dtd. 24.06.2009	ARAI/MoEF/DGCoP/M&M-F4/10-11/052, dated 8 <sup>th</sup> Feb 2011	8.08	0.97	0.72	0.109	0.10	1 <sup>st</sup> July 2012

49	M/s Mahindra & Mahindra Ltd., FES,Kandivli(E), Mumbai-400 101	F1	4385GM 4445 GM	25 kW 29.4 kW	4445 GM	29.4 kW	ARAI/MOEF/DGTA/M&M-F1/2003-010 dtd. 07.05.2003	ARAI/MoEF/DGCoP/M&M-F1/10-11/053, dated 8 <sup>th</sup> Feb 2011	8.05	1.72	0.44	0.094	0.14	1 <sup>st</sup> July 2012
50	M/s Mahindra & Mahindra Ltd., FES,Kandivli(E), Mumbai-400 101	F9	4725 GM	47.8 kW	4725 GM	47.8 kW	ARAI/MOEF/DGTA/M&M-F9/2007-009 dtd. 28.02.2007	ARAI/MoEF/DGCoP/M&M-F9/10-11/054, dated 8 <sup>th</sup> Feb 2011	7.73	0.63	0.24	0.109	0.12	1 <sup>st</sup> July 2012
51	M/s Mahindra & Mahindra Ltd., FES,Kandivli(E), Mumbai-400 101	F11	4575 TCI GM (MDI)	38.25 kW	4575 TCI GM (MDI)	38.25 kW	ARAI/MOEF/DGTA/M&M-F11/2007-044 dtd. 30.07.2007	ARAI/MoEF/DGCoP/M&M-F11/10-11/055, dated 10 <sup>th</sup> Feb 2011	8.13	0.76	0.29	0.099	0.07	1 <sup>st</sup> July 2012
52	M/s Mahindra & Mahindra Ltd., FES,Kandivli(E), Mumbai-400 101	F13	4725 GM (VNEF) 4905 GM (VNEF)	48.2 kW 60.25 kW	4905 GM(VENF)	60.25 kW	ARAI/MOEF/DGTA/M&M-F13/2007-045 dtd. 13.08.2007	ARAI/MoEF/DGCoP/M&M-F13/10-11/056, dated 10 <sup>th</sup> Feb 2011	6.94	0.46	0.23	0.098	0.17	1st July 2012
									6.68	0.43	0.20	0.090	0.15	
53	M/s. Kirloskar Oil Engines Ltd. Khadki,Pune & M/s. Kirloskar Oil Engines Ltd. Kagal, Kolhapur	F3	6R1080TA 4R1040TA	113.2 kW 77.2 kW	6R1080TA	113.2 kW	ARAI/MOEF/DGTA/KOEL-F3/2008-034 dtd. 9.07.2008 & ARAI/MOEF/DGTA/KOEL-F3/2004-021-E1 dtd. 01.10.2008	ARAI/MoEF/DGCoP/KOEL-F3/10-11/057, dated 15th February 2011	8.33	0.85	0.70	0.208	0.33	1st July 2012
									8.25	0.75	0.71	0.180	0.30	
									7.08	1.05	0.68	0.293	0.40	
									7.46	0.79	0.63	0.149	0.24	
54	M/s. Kirloskar Oil Engines Ltd. Kagal, Kolhapur	F7	EW28	20.6 kW	EW28	20.6 kW	ARAI/MOEF/DGTA/KOEL F7/2005-11 dtd. 31.03.2005 & ARAI/MOEF/DGTA/KOEL F7/2005-11-E1 dtd. 04.12.2008	ARAI/MoEF/DGCoP/KOEL LKG-F7/10-11/058, dated 16th February 2011	6.59	1.55	0.48	0.119	0.18	1 <sup>st</sup> July 2012
55	M/s. Kirloskar Oil Engines Ltd. Khadki, Pune	F1	2R1040 3R1040 4R1040 4R1190	19.8 kW 30.9 kW 41.2 kW 45 kW	4R1190	45 kW	ARAI/MOEF/DGTA/KOEL-F1/2003-007 dtd. 31.03.2003 & ARAI/MOEF/DGTA/KOEL-F1/2003-007- E1 dtd. 01.10.2008	ARAI/MoEF/DGCoP/KOEL LK-F1/10-11/059, dated 2 <sup>nd</sup> March 2011	8.31	1.06	0.27	0.163	0.45	1 <sup>st</sup> July 2012

56	M/s. Cummins India Ltd., Low Horse Power Business Unit, 19-25A, Silver Industrial Estate, Bhimpore, Daman	F5	6BT5.9G1	78 kW	6BT5.9G1	78 kW	ARAI/MOEF/DGTA/CIL- F5/2003-016 dtd. 30.05.2003 & ARAI/MOEF/DGTA/CIL- F5/2003-016-E1 dtd: 25.03.2009	ARAI/MoEF/DGCoP/CILD -F5/10-11/060, dated 8th March 2011	7.18	0.93	0.40	0.128	0.34	1 <sup>st</sup> July 2012
									7.58	0.93	0.40	0.106	0.27	
57	M/s. Cummins India Ltd. Low Horse Power Business Unit, Bhimpore, Daman	F6	6BTA5.9G5	93 kW	6BTA5.9G5	93 kW	ARAI/MOEF/DGTA/CIL- F6/2003-15-E2 dtd. 25.03.2009	ARAI/MoEF/DGCoP/CILD -F6/10-11/061, dated 9th March 2011	7.82	0.67	0.31	0.141	0.50	1 <sup>st</sup> July 2012
58	M/s. Cummins India Ltd., Low Horsepower Business Unit, Bhimpore, Daman	F28	6BTAA5.9G5	146 kW	6BTAA5.9G5	146 kW	ARAI/MOEF/DGTA/CIL- F28/2008-052 dtd. 18.09.2008 & ARAI/MOEF/DGTA/CIL- F28/2008-052-E1 dtd. 05.04.2010	ARAI/MoEF/DGCoP/CILD -F28/10-11/062, dated 11th March 2011	5.36	0.68	0.30	0.124	0.31	1 <sup>st</sup> July 2012
59	M/s. Cummins India Ltd. Kothrud, Pune 411 038	F17	6CTAA-8.3-G4	231 kW	6CTAA-8.3-G4	231 kW	ARAI/MOEF/DGTA/CIL- F17/2007-033 dtd. 31st July 2007	ARAI/MoEF/DGCoP/CILP -F17/10-11/065, dated 25th March 2011	7.45	0.75	0.38	0.207	0.420	1st July 2012
									6.63	0.89	0.44	0.191	0.400	
60	M/s. Lombardini India Pvt. Ltd., Plot No.: J 2/1, MIDC, Chikalhana, Aurangabad, Maharashtra	F13	WD12D320E21	235 kW	WD12D320E2 1	235 kW	ARAI/MOEF/DGTA/IMP/ LIPL-F13/2009-034 dtd. 11th Jun 2009	ARAI/MoEF/DGCoP/IMP /LIPL-F13/10-11/066, dated 31 <sup>st</sup> March 2011	7.18	0.44	0.28	0.072	0.040	1 <sup>st</sup> July 2012
61	M/s. Lombardini India Pvt. Ltd., Plot No.: J 2/1, MIDC, Chikalhana, Aurangabad, Maharashtra	F12	WD10D260E21	204 kW	WD10D260E2 1	204 kW	ARAI/MOEF/DGTA/IMP/ LIPL-F12/2009-034 Dtd. 11th Jun 2009	ARAI/MoEF/DGCoP/IMP /LIPL-F12/10-11/067, dated 31 <sup>st</sup> March 2011	8.99	1.08	0.27	0.100	0.200	1 <sup>st</sup> July 2012
62	M/s. Lombardini India Pvt. Ltd., Plot No.: J 2/1, MIDC, Chikalhana,	F10	TBD226B - 6IID1	117 kW	TBD226B - 6IID1	117 kW	ARAI/MOEF/IMP/DGTA/ LIPL-F10/2008-058 dtd. 16th October 2008	ARAI/MoEF/DGCoP/IMP /LIPL-F10/10-11/068, dated 5 <sup>th</sup> April 2011	6.30	0.86	0.48	0.098	0.090	1 <sup>st</sup> July 2012

	Aurangabad, Maharashtra													
63	M/s. Cummins India Ltd. Kothrud, Pune 411 038	F2	6CTA-8.3-G1-I 6CTA-8.3-G2-I 6CTAA-8.3-G1-I	153 kW 163 kW 183 kW	6CTA-8.3-G2-I	163 kW	ARAI/MOEF/DGTA/CIL- F2/2003-006 dtd. 30th March 2003	ARAI/MoEF/DGCoP/CILP -F2/10-11/069, dated 5th April 2011	7.02	0.72	0.56	0.22	0.19	1 <sup>st</sup> July 2012
									6.84	0.77	0.48	0.168	0.440	
64	M/s. Cummins India Ltd. Kothrud, Pune	F8	NTA-14-G2 NTA-14-G1 NTA-14-G3 NTA-14-RG1 NTA-14-RG3 NTA-14-RG2	254 kW 283 kW 336 kW 283 kW 336 kW 254 kW	NTA-14-G3	336 kW	ARAI/MOEF/DGTA/CIL- F8/2007-026 dtd. 09.07.2007	ARAI/MoEF/DGCoP/CILP -F8/10-11/070, dated 21st April 2011	6.31	0.73	0.21	0.147	0.270	1 <sup>st</sup> July 2012
									6.51	0.64	0.23	0.124	0.220	
65	M/s. Kirloskar Electric Company Ltd. Unit 14, Gokul Road, Hubli 580 030	F24	12VKK135IBZLD 2	475 kW	12VKK135IBZL D2	475 kW	ARAI/MOEF/DGTA/KECL- F24/2010-008 dtd. 16th February 2010	ARAI/MoEF/DGCoP/KECL -F24/10-11/071, dated 15th June 2011	6.04	0.62	0.18	0.171	0.100	1 <sup>st</sup> July 2012
66	M/s. Kirloskar Electric Company Ltd. Unit 14, Gokul Road, Hubli 580 030	F23	12VKK135IAZLD	339 kW	12VKK135IAZL D	339kW	ARAI/MOEF/DGTA/KECL- F23/2010-007 dtd. 16th February 2010	ARAI/MoEF/DGCoP/KECL -F23/10-11/072, dated 15th June 2011	7.03	0.73	0.27	0.170	0.070	1 <sup>st</sup> July 2012
67	M/s. Kirloskar Electric Company Ltd. Unit 14, Gokul Road, Hubli 580 030	F22	12VKK135IZLD 12VKK135AZD	300 kW 300 kW	12VKK135IZLD	300 kW	ARAI/MOEF/DGTA/KECL- F22/2010-013 dtd. 16th February 2010	ARAI/MoEF/DGCoP/KECL -F22/10-11/073, dated 15th June 2011	6.87	0.91	0.35	0.177	0.070	1 <sup>st</sup> July 2012
68	M/s. Mahindra & Mahindra Ltd. FES, Kandivli (East) Mumbai 400 101	F25	64205GC 63455GC	280 kW 230 kW	63455 GC	230 kW	ARAI/MOEF/DGTA/IMP/M& M-F25/2009-019 dtd. 27th May 2009	ARAI/MoEF/DGCoP/IMP /M&M-F25/10-11/074, dated 21st April 2011	8.70	0.81	0.76	0.201	0.500	1 <sup>st</sup> July 2012

69	M/s. Mahindra & Mahindra Ltd. FES, Kandivli (East) Mumbai-400 101	F30	12V 6905 GC	459 kW	12V 6905 GC	459 kW	ARAI/MOEF/DGTA/IMP/M&M-F30/2010-075 dtd. 5th July 2010	ARAI/MoEF/DGCoP/IMP/M&M-F30/10-11/075, dated 21st April 2011	6.06	0.48	0.20	0.156	0.100	1 <sup>st</sup> July 2012
70	M/s. Mahindra & Mahindra Ltd. FES, Kandivli (East) Mumbai - 400 101	F31	12V 5105 GC	339 kW	12V 5105 GC	339 kW	ARAI/MOEF/DGTA/IMP/M&M-F31/2010-074 dtd. 5th July 2010	ARAI/MoEF/DGCoP/IMP/M&M-F31/10-11/076, , dated 21st April 2011	6.50	0.70	0.26	0.169	0.100	1 <sup>st</sup> July 2012
71	M/s. Mahindra & Mahindra Ltd. FES, Akurli Road, Kandivli (East), Mumbai 400 101	F14	41425GC 41225TCIGC	95 kW 82 kW	41425GC	95 kW	ARAI/MOEF/DGTA/IMP/M&M-F14/2008-011 dtd. 15th May 2008	ARAI/MoEF/DGCoP/IMP/M&M-F14/10-11/077, dated 4th May 2011	7.80	0.48	0.59	0.059	0.060	1 <sup>st</sup> July 2012
72	M/s. Cummins India Ltd. Kothrud, Pune 411 038	F16	KTA19-G9 KTA19-G3-I KTA19-RG3 KTA19-G5-I KTA19-G5-E	448 kW 403 kW 403 kW 366 kW 366 kW	KTA19-G9	448 kW	ARAI/MOEF/DGTA/CIL-F16/2007-053 Dtd. 31.08.07 & ARAI/MOEF/DGTA/CIL-F16/2007-053-E1 Dtd. 14.01.2010	ARAI/MoEF/DGCoP/CILP-F16/10-11/078, dated 4th May 2011	7.71	1.37	0.26	0.180	0.10	1 <sup>st</sup> July 2012
									8.24	1.33	0.29	0.201	0.11	
73	M/s. Mahindra & Mahindra Ltd. Implement Division MIDC, Hingna Road, Nagpur	F3	4335GM	22 kW	4335 GM	22 kW	ARAI/MoEF/DGTA/M&M-F23/2003-018 dtd.02.06.2003 & ARAI/MOEF/DGTA/M&M-F3/2008-069 dtd. 7.11.2008	ARAI/MoEF/DGCoP/M&M-F3/10-11/079, 16th March 2011	8.40	2.25	0.88	0.108	0.56	1 <sup>st</sup> July 2012
74	M/s Mahindra & Mahindra Ltd., FES, Kandivli (E) Mumbai 400 101	F17	41225 GC	82 kW	41225 GC	82 kW	ARAI/MOEF/DGTA/IMP/M&M-F17/2008-012 dtd. 15th May 2008 & ARAI/MOEF/DGTA/IMP/M&M-F17/2008-012-E1, dtd. 25th Nov.2009	ARAI/MoEF/DGCoP/IMP/M&M-F17/10-11/079, dated 16 <sup>th</sup> May 2011	7.12	0.63	0.65	0.129	0.110	1 <sup>st</sup> July 2012
75	M/s Mahindra & Mahindra Ltd., FES, Kandivli (E) Mumbai 400 101	F20	62205 GC	146 kW	62205 GC	146 kW	ARAI/MOEF/DGTA/IMP/M&M-F20/2008-079 dtd. 20th January 2009	ARAI/MoEF/DGCoP/IMP/M&M-F20/10-11/081, dated 9th May 2011	8.14	0.40	0.50	0.068	0.040	1 <sup>st</sup> July 2012

76	M/s. Lombardini India Pvt. Ltd. Chikalhana, Aurangabad	F5	TD226B-6IID1	92.5 kW	TD226B - 6IID1	92.5 kW	ARAI/MOEF/IMP/DGTA/ LIPL-F5/2008-057 dtd. 16th October 2008	ARAI/MoEF/DGCoP/IMP /LIPL-F5/10-11/082, dated 12th May 2011	7.66	0.82	0.62	0.097	0.090	1 <sup>st</sup> July 2012	
77	M/s Lombardini India Pvt. Ltd., Plot no.: J 2/1, MIDC, Chikalhana, Aurangabad, Maharashtra	F6	TD226B-4IID1	60 kW	TD226B-4IID1	60 kW	ARAI/MOEF/IMP/DGTA/LIPL -F6/2008-059,dtd. 07.10.2008 & ARAI/MOEF/IMP/DGTA/LIPL -F6/2008-059-E1,dtd. 25.03.2010	ARAI/MoEF/DGCoP/IMP /LIPL-F6/10-11/083, dated 12 <sup>th</sup> May 2011	6.39	1.17	0.64	0.195	0.250	1 <sup>st</sup> July 2012	
78	M/s. Mahindra & Mahindra Ltd. Implement Division MIDC, Hingna Road, Nagpur	F26	61695GM	113.34 kW	61695GM	113.34 kW	ARAI/MoEF/DGTA/M&M-F26/2009-049 dtd.17.09.2009	ARAI/MoEF/DGCoP/M&M-F26/10-11/084, dated 13th May 2011	6.45	0.39	0.16	0.055	0.080	1 <sup>st</sup> July 2012	
79	M/s. Doosan Infracore Co. Ltd., 7-11, Hwasu-dong, Dong-gu, Incheon, Korea	F1	P126TI IN01 P126TI IN02	241 kW 272 kW	P126TI IN02	272 kW	ARAI/MOEF/DGTA/IMP/DIC L-F1/2010-080 dtd. 3rd August 2010	ARAI/MoEF/DGCoP/IMP /DICL-F1/10-11/085, dated 20th May 2011	7.41	0.53	0.25	0.088	0.220	1 <sup>st</sup> July 2012	
80	M/s. Doosan Infracore Co. Ltd., 7-11, Hwasu-dong, Dong-gu, Incheon, Korea	F2	P158LE IN01 P158LE IN02 P180LE IN01 P180LE IN02 P222LE IN01 P222LE IN02	363 kW 414 kW 443 kW 496 kW 532 kW 574 kW	P222LE IN01	532 kW	ARAI/MOEF/DGTA/IMP/DIC L-F2/2010-079 dtd. 3rd August 2010	ARAI/MoEF/DGCoP/IMP /DICL-F2/10-11/086	7.49	0.66	0.30	0.037	0.190	1 <sup>st</sup> July 2012	
81	M/s. Tata Motors Ltd. Pimpri, Pune	F4	497DI 60 497DI 61	31 kW 33 kW	497DI61	33 kW	ARAI/MOEF/DGTA/TATA-F4/2003-24 dtd. 04.08.2003	ARAI/MoEF/DGCoP/TML -F4/10-11/087, dated 30th May 2011	8.64	2.04	0.59	0.102	0.340	1 <sup>st</sup> July 2012	
82	M/s. Tata Motors Ltd. Pimpri, Pune	F2	497TC65	59 kW	497TC65	59 kW	ARAI/MOEF/DGTA/TATA-F2/2003-26 dtd. 04.08.2003	ARAI/MoEF/DGCoP/TML -F2/10-11/088, dated 30th May 2011	6.93	0.81	0.76	0.157	0.19	1 <sup>st</sup> July 2012	
									6.44	0.89	0.82	0.163	0.22		
									7.23	0.85	0.73	0.133	0.33		

83	M/s. Tata Motors Ltd. Pimpri, Pune	F1	697TC54	69 kW	697TC54	69 kW	ARAI/MOEF/DGTA/TELCO- F1/2003-08 dtd. 31.03.2003	ARAI/MoEF/DGCoP/TML -F1/10-11/089, dated 30th May 2011	7.56	0.92	0.33	0.195	0.230	1 <sup>st</sup> July 2012
84	M/s. Tata Motors Ltd. Pimpri, Pune	F3	497TC62 497TC63 497TC64	43 kW 46 kW 51 kW 43 kW	497TC62	43 kW	ARAI/MOEF/DGTA/TATA- F3/2003-25 dtd. 04.08.2003	ARAI/MoEF/DGCoP/TML -F3/10-11/090, dated 30th May 2011	7.71	0.83	1.10	0.164	0.16	1 <sup>st</sup> July 2012
									7.37	0.88	1.10	0.158	0.12	
									7.28	0.89	0.92	0.139	0.14	
85	M/s. Volvo India Pvt. Limited Yalachahalli, Tavarekere Post, Hosakote, Bangalore	F1	TAD 1641 GE TAD 1642 GE	430 kW 485 kW	TAD 1641 GE	430 kW	ARAI-RCN /MOEF/DGTA/IMP/VOLVO- F1/2005-03 dtd. 03.03.2005 & ARAI-RCN /MOEF/DGTA/IMP/VOLVO- F1/2005-03-E01 dtd. 13.12.2010	ARAI/MoEF/DGCoP/IMP /VOLVO-F1/10-11/091, dated 31st May 2011	5.75	0.98	0.13	0.070	0.100	1 <sup>st</sup> July 2012
86	M/s. Volvo India Pvt. Limited, Yalachahalli, Tavarekere Post, Hosakote, Bangalore	F2	TAD 1241 GE TAD 1242 GE	323 kW 352 kW	TAD 1241 GE	323 kW	ARAI-RCN /MOEF/DGTA/IMP/ VOLVO- F2/2005-04 dtd. 03.03.2005 & ARAI-RCN /MOEF/DGTA/IMP/ VOLVO- F2/2005-04-E01 dtd. 13.12.2010	ARAI/MoEF/IMP/DGCoP /VOLVO-F2/10-11/092, , dated 31st May 2011	5.47	1.02	0.29	0.117	0.090	1 <sup>st</sup> July 2012

87	M/s. Volvo India Pvt. Limited Yalachahalli, Tavarekere Post, Hosakote, Bangalore	F3	TAD 941 GE TAD 940 GE	280 kW 241 kW	TAD 941 GE	280 kW	ARAI/MoEF/DGTA/IMP/VOL VO-F3/2006-2007/26 dtd. 14.08.2006 & ARAI/MoEF/DGTA/IMP/VOL VO-F3/2006-2007/26-E01 dtd. 13.12.2010	ARAI/MoEF/ IMP/ DGCoP/VOLVO-F3/10- 11/093, dated 31st May 2011	5.28	0.81	0.23	0.059	0.070	1 <sup>st</sup> July 2012
88	M/s. Volvo India Pvt. Limited Yalachahalli, Tavarekere Post, Hosakote, Bangalore	F5	TAD 734 GE	216 kW	TAD734GE	216 kW	ARAI/MoEF/DGTA/IMP/VOL VO-F5/2007-048 dtd. 24.08.2007 & ARAI/MoEF/DGTA/IMP/VOL VO-F5/2007-048-E01 dtd. 13.12.2010	ARAI/MoEF/ IMP/ DGCoP/VOLVO-F5/10- 11/094, dated 31st May 2011	5.31	0.54	0.08	0.061	0.010	1 <sup>st</sup> July 2012
89	M/s. Volvo India Pvt. Limited Yalachahalli, Tavarekere Post, Hosakote, Bangalore	F6	TWD 1643 GE	536 kW	TWD 1643 GE	536 kW	ARAI/MoEF/DGPTA/IMP/VO LVO-F6/2007-056 dtd. 22.08.2007 & ARAI/MoEF/DGPTA/IMP/VO LVO-F6/2007-056-E01 dtd. 13.12.2010	ARAI/MoEF//IMP/DGCo P /VOLVO-F6/10-11/095, dated 31st May 2011	6.78	0.51	0.12	0.036	0.060	1 <sup>st</sup> July 2012
90	M/s. Volvo India Pvt. Limited Yalachahalli, Tavarekere Post, Hosakote, Bangalore	F7	TAD 1345 GE TAD 1344 GE	388 kW 354 kW	TAD 1345 GE	388 kW	ARAI /MOEF/DGTA/IMP/ VOLVO-F7/2010-073 dtd. 28.06.2010 & ARAI /MOEF/DGTA/IMP/ VOLVO-F7/2010-073-E01 dtd. 13.12.2010	ARAI/MoEF/DGCoP/IMP /VOLVO-F7/10-11/096, dated 31st May 2011	6.31	0.56	0.13	0.046	0.020	1 <sup>st</sup> July 2012

91	M/s. Volvo India Pvt. Limited Yalachahalli, Tavarekere Post, Hosakote, Bangalore	F8	TAD 1341 GE TAD 1342 GE TAD 1343 GE	271 kW 303 kW 325 kW	TAD 1343 GE	325 kW	ARAI /MOEF/DGTA/IMP/ VOLVO-F8/2010-083 dtd. 19.08.2010 & ARAI /MOEF/DGTA/IMP/ VOLVO-F8/2010-083-E1 dtd. 13.10.2010	ARAI/MoEF/DGCoP/IMP /VOLVO-F8/10-11/097, dated 31st May 2011	5.91	0.68	0.16	0.086	0.020	1 <sup>st</sup> July 2012
92	M/s. SKL (India) Pvt. Ltd. 2117, Wing 'C', Oberoi Garden Estates, Chandivali, Andheri (E) Mumbai – 400 072	F1	1D81C 1D81Z	9.5 kW 10.1 kW	1D81Z	10.1 kW	ARAI/MOEF/DGTA/IMP/SKL- F1/2007-057-E1 dtd. 16.06.2009	ARAI/MoEF/DGCoP/IMP /SKL-F1/10-11/098, dated 31st May 2011	8.97	1.51	0.34	0.160	0.263	1 <sup>st</sup> July 2012
93	M/s. SKL (India) Pvt. Ltd. 2117, Wing 'C', Oberoi Garden Estates, Chandivali, Andheri (E) Mumbai – 400 072	F4	3M41 3L41C 4M41 4L41C	25 kW 22.9 kW 32.9 kW 30.kW	3M41	25 kW	ARAI/MOEF/DGTA/IMP/SKL- F4/2008-036 dtd. 24th July 2008	ARAI/MOEF/DGCOP/IMP /SKL-F4/10-11/099, dated 31st May 2011	8.17	1.77	0.33	0.220	0.510	1 <sup>st</sup> July 2012
94	M/s. Cummins India Ltd. Low Horsepower Business Unit Bhimpore, Daman  M/s. Cummins India Ltd. DTA Unit Gate No. 311/1B, At Post Kasar Amboli, Pirangut, Taluka Mulshi	F11	S3.8 G6 S3.8 G4	51 kW 43 kW	S3.8G4	43 kW	ARAI/MOEF/DGTA/CIL- F11/2004-003 dtd.13.02.2004 & ARAI/MOEF/DGTA/CIL- F11/2004-003-E1 dtd.25.03.2009	ARAI/MoEF/DGCoP/CIL D-F11/10-11/100, dated 1st June 2011	9.70	0.78	1.02	0.141	0.110	1 <sup>st</sup> July 2012
									8.65	0.97	1.25	0.139	0.105	
									8.91	0.83	1.16	0.118	0.085	
									8.34	0.86	1.39	0.118	0.071	
									<b>9.10</b>	<b>0.89</b>	<b>1.26</b>	<b>0.13</b>	-	
									8.50	0.94	1.08	0.165	0.110	
									9.12	0.78	0.84	0.134	0.190	

95	M/s. Cummins India Ltd., Low Horsepower Business Unit, Bhimpore, Daman  M/s. Cummins India Ltd., DTA Unit, Gate no. 311/1B, At post Kasar Amboli, Pirangut, Taluka Mulshi	F18	6BTAA5.9G3 6BTAA5.9G4	115 kW 127 kW	6BTAA5.9G4	127 kW	ARAI/MOEF/DGTA/CILD-F18/2006-037-E2 Dtd. 25.03.2009	ARAI/MoEF/DGCoP/CILD-F18/10-11/101, dated 1st June 2011	7.77	0.62	0.44	0.121	0.35	1st July 2012
									8.06	0.65	0.47	0.155	0.31	
									8.38	0.71	0.48	0.160	0.34	
									7.50	0.76	0.48	0.160	0.29	
96	M/s. Cooper Corporation Pvt. Ltd., ADDL MIDC, Satara	F1 F3	2A2D1C 2A1D1C	16.1 kW 10.3 kW	2A2D1C	16.1 kW	ARAI/MOEF/DGTA/CCPL-F1/2010-021 dtd. 11.03.2010	ARAI/MoEF/DGCoP/CCP L-F1/10-11/102, dated 3rd June 2011	6.53	1.68	0.36	0.139	0.024	1st July 2012
									6.68	2.03	0.43	0.083	0.028	
									6.63	1.60	0.34	0.107	0.04	
									6.50	1.87	0.39	0.118	0.021	
97	M/s. Cummins India Ltd. DTA Unit Gate No. 311/1B, At Post Kasar Amboli, Pirangut, Taluka Mulshi	F12	S3.8 G7	59 kW	S3.8G7	59 kW	ARAI/MOEF/DGTA/CIL-F12/2004-004 dtd. 15th Feb 2004 & ARAI/MOEF/DGTA/CIL-F12/2004-004-E1 dtd. 25th Mar 2009	ARAI/MoEF/DGCoP/CIL P-F12/10-11/103, dated 4th June 2011	7.06	0.84	0.79	0.307	0.35	1st July 2012
									7.85	0.84	0.78	0.126	0.241	
									8.54	0.74	0.86	0.132	0.267	
									<b>8.27</b>	<b>0.84</b>	<b>0.84</b>	<b>0.251</b>	-	
									7.52	0.80	0.76	0.276	0.33	
7.86	1.04	0.84	0.268	0.48										
98	M/s. Shanghai Diesels Engines Co. Ltd., 2636, JunGong Road, Shanghai, China	F2	G128ZLD G128ZLD1 G128ZLD2 G 128 ZLD 11	187 kW 236 kW 206 kW 280 kW	G128ZLD11	280 kW	ARAI/MOEF/DGTA/IMP/SDE C-F2/2009-017 dtd. 27th May 2011	ARAI/MoEF/DGCoP/IMP /SDEC-F2/10-11/104, dated 4th June 2011	7.43	0.70	0.49	0.162	0.40	1 <sup>st</sup> July 2012
99	M/s. Cooper Corporation Pvt. Ltd., ADDL MIDC, Satara	F2	2A2D1A 2A2D1A-35	31.4 kW	2A2D1A	31.4 kW	ARAI/MOEF/DGTA/CCPL-F2/2011-009 dtd. 10.03.2011	ARAI/MoEF/DGCoP/CCP L-F2/10-11/105, dated 6th June 2011	6.74	1.81	0.32	0.149	0.10	1 <sup>st</sup> July 2012

100	M/s. Mahindra & Mahindra Ltd. FES, Akurli Road, Kandivli (East), Mumbai – 400 101	F21	62805GC	186 kW	62805GC	186 kW	ARAI/MOEF/DGTA/IMP/M&M-F21/2008-078 dtd. 20th January 2009	ARAI/MoEF/DGCoP/IMP/M&M-F21/10-11/106, dated 7th June 2011	8.38	0.35	0.36	0.068	0.03	1 <sup>st</sup> July 2012
101	M/s. Greaves Cotton Ltd. Light Engines Unit, Chikalhana, Aurangabad	F1	Greaves LDA 5101B1 (1510)	6.1 kW	G600W	6.1 kW	ARAI/MOEF/DGTA/GCLA-F1/2006-011 Dated 03.04.2006	ARAI/MoEF/DGCoP/GCLA-F4/10-11/107, dated 7th June 2011	5.17	1.50	0.43	0.202	0.129	1st July 2012
		F3	Greaves LDA 530 (1530) Greaves 520-1A (1520)	4 KW 3.23 KW			ARAI/MOEF/DGTA/GCLA-F3/2004-064 Dated 31.12.2004		5.53	1.49	0.53	0.178	0.122	
		F4	G600W	8 KW			ARAI/MOEF/DGTA/GCLA-F4/2007-022-E1 Dated 30.06.2009		7.30	1.42	0.420	0.149	0.063	
							5.84		1.53	0.44	0.200	0.079		
102	M/s. Mahindra Mahindra Ltd. FES, Akurli Road, Kandivli (East), Mumbai- 400 101	F15	61985 GC	132 kW	61985 GC	132 kW	ARAI/MOEF/DGTA/IMP/M&M-F15/2008-13 dtd. 15th May 2008 & ARAI/MOEF/DGTA/IMP/M&M-F15/2008-13-E1 dtd. 25th November 2009	ARAI/MoEF/DGCoP/IMP/M&M-F15/10-11/108, dated 7th June 2011	9.62	0.35	0.48	0.068	0.04	1st July 2012
									7.99	0.50	0.47	0.073	0.03	
									8.41	0.46	0.46	0.105	0.05	
									<b>9.19</b>	<b>0.48</b>	<b>0.48</b>	<b>0.094</b>	-	
103	M/s. Kirloskar Oil Engines Ltd. Kagal, Kolhapur	F29	RB33 SRI RB33 SR11	29.5 kW 28 kW	RB33SR1	29.5 kW	ARAI/MOEF/DGTA/KOEL-F29/2008-071 dtd. 17.11.2008 & ARAI/MOEF/DGTA/KOEL-F29/2008-071-E1 dtd. 01.10.2010	ARAI/MoEF/DGCoP/KOELKG-F29/10-11/109, dated 8th June 2011	8.34	1.38	0.71	0.157	0.45	1st July 2012
									8.50	2.24	0.97	0.180	0.564	
									8.12	2.49	1.12	0.164	0.454	
									7.60	2.51	1.12	0.142	0.439	
									8.26	2.08	1.09	0.125	0.259	
									7.64	2.49	0.97	0.132	0.33	
104	M/s. Kirloskar Oil Engines Ltd. Kagal, Kolhapur	F32	RB22	19.85 kW	RB22	19.85 kW	ARAI/MOEF/DGTA/KOEL-F32/2009-013 dtd. 25.05.2009	ARAI/MoEF/DGCoP/KOELKG-F32/10-11/110, dated 8th June 2011	7.96	1.86	0.30	0.124	0.31	1st July 2012

							& ARAI/MOEF/DGTA/KOEL- F32/2009-013-E1 dtd. 01.12.2010		9.16	1.18	0.23	0.102	0.31	
105	M/s. Greaves Cotton Ltd. Diesel Engines Unit, Chinchwad, Pune.	F28	4G11TAG3	114 kW	4G11TAG3	114 kW	ARAI/MOEF/DGTA/GCLP- F28/2009-063 dtd. 31ST December 2009	ARAI/MoEF/DGCoP/GC LP-F28/10-11/111, 9th June 2011	8.07	0.52	0.24	0.310	0.21	1st July 2012
									7.47	0.56	0.22	0.173	0.33	
									7.35	0.58	0.24	0.205	0.33	
									<b>7.87</b>	<b>0.57</b>	<b>0.24</b>	<b>0.267</b>	-	
106	M/s. Cummins India Ltd. DTA Unit Gate No. 311/1B, At Post Kasar Amboli, Pirangut, Taluka Mulshi	F10	S3.8G3 S3.8G2	33 kW 31 kW	S3.8G3	33 kW	ARAI/MOEF/DGTA/CIL- F10/2004/002 dtd. 13.02.2004 & ARAI/MOEF/DGTA/CIL- F10/2004/002-E2-dtd. 03.02.2011	ARAI/MoEF/DGCoP/CILP -F10/10-11/112, dated 13th June 2011	12.31	1.49	0.50	0.066	0.08	1st July 2012
									7.25	2.17	0.61	0.171	0.25	
									7.50	2.60	0.58	0.246	0.42	
									8.28	2.17	0.55	0.246	0.45	
									8.11	1.78	0.53	0.146	0.23	
									7.15	2.09	0.48	0.272	0.59	
									<b>9.17</b>	<b>2.19</b>	<b>0.56</b>	<b>0.221</b>	-	
									<b>10.19</b>	1.73	0.49	0.078	0.07	
									7.61	2.41	0.57	<b>0.319</b>	0.61	
									7.75	2.04	0.44	0.284	0.67	
									8.75	2.05	0.50	0.240	0.55	
									<b>9.16</b>	<b>2.19</b>	<b>0.53</b>	<b>0.282</b>	-	
107	M/s. Kirloskar Oil Engines Ltd. Khadki, Pune	F24	3R 1040 PLUS 4R 1190 PLUS 4R 1040 PLUS	30.9 kW 46.3 kW 41.1 kW	3R1040 PLUS	30.9 kW	ARAI/MOEF/DGTA/KOEL- F24/2007/043 dtd. 31.07.2007 & ARAI/MOEF/DGTA/KOEL- F24/2007/043-E1 dtd. 01.10.2008	ARAI/MoEF/DGCoP/KOE LK-F24/10-11/113, dated 29th June 2011	8.67	1.41	0.98	0.164	0.36	1 <sup>st</sup> July 2012
									7.83	1.29	1.11	0.115	0.59	
108	M/s. Escorts Limited Farmtrac Division, Plot No.2, Sector-13, Faridabad- 121 007	F2	G-20	20.2 kW	G-20	20.2 kW	ARAI/MOEF/DGTA/ELF- F2/2003-027 dtd.04th August 2003	ARAI/MoEF/DGCoP/ELF- F2/10-11/114, dated 13th June 2011	6.92	2.39	0.47	0.117	0.32	1 <sup>st</sup> July 2012

109	M/s. Escorts Limited Farmtrac Division, Plot No.2, Sector-13, Faridabad- 121 007	F3	G-15	16.8 kW	G-15	16.8 kW	ARAI/MOEF/DGTA/ELF- F3/2005-01 dtd.08th February 2005	ARAI/MoEF/DGCoP/ELF- F3/10-11/115, dated 13th June 2011	7.73	2.44	0.44	0.251	0.50	1st July 2012																														
									7.71	2.36	0.47	0.149	0.43																															
									7.74	1.65	0.31	0.136	0.51																															
									7.27	1.94	0.33	0.132	0.50																															
110	M/s. Cummins India Ltd. DTA Unit Gate No. 311/1B, At Post Kasar Amboli, Pirangut, Taluka Mulshi	F29	X1.3G2	11.8 kW	X1.3G2	11.8 kW	ARAI/MOEF/DGTA/CILD- F29/2008-081 Dated 25.03.2009 & ARAI/MOEF/DGTA/CILD- F29/2008-081-E2 Dated 17.03.2011	ARAI/MoEF/DGCoP/CILP -F29/10-11/116, dated 14th June 2011	8.89	3.2	0.62	0.125	0.582	1st July 2012																														
									9.02	2.61	0.74	0.104	0.28																															
									8.73	2.59	0.61	0.07	0.20																															
									8.64	2.53	0.61	0.091	0.16																															
111	M/s. MTU Asia Pte. Ltd. 1. Benoi Place, Singapore 629923 & M/s. MTU India Pvt. Ltd., 159/1, Tathawade, Pune- Mumbai Highway, Pune 411031.	F3	8V1600G10F 8V1600G20F 8V1600G70F 8V1600G80F 10V1600G10F 10V1600G20F 10V1600G70F 10V1600G80F 12V1600G10F 12V1600G20F 12V1600G70F 12V1600G80F	325 kW 358 kW 358 kW 301 kW 407 kW 448 kW 448 kW 493 kW 524 kW 576 kW 576 kW 634 kW	10V1600G80F	493 kW	ARAI/MOEF/IMP/DGTA/MT U-F3/2010-098 dtd. 10th January 2011  & ARAI/MOEF/IMP/DGTA/MT U-F3/2010-098-E1 dtd. 31st January 2011	ARAI/MoEF/DGCoP/IMP /MTU-F3/10-11/118, dated 13th June 2011	6.93	1.21	0.21	0.113	0.04	1 <sup>st</sup> July 2012																														
															112	M/s. MTU Asia Pte. Ltd. 1. Benoi Place, Singapore 629923 & M/s. MTU India Pvt. Ltd., 159/1, Tathawade, Pune- Mumbai Highway, Pune 411031.	F4	6R1600 G10F 6R1600 G20F 6R1600 G70F 6R1600 G80F	249 kW 274 kW 274 kW 301 kW	6R1600 G20F	274 kW	ARAI/MOEF/IMP/DGTA/MT U-F4/2010-099 dtd. 10th January 2011 & ARAI/MOEF/IMP/DGTA/MT U-F4/2010-099-E1 dtd. 31st January 2011	ARAI/MoEF/DGCoP/IMP /MTU-F4/10-11/119, dated 13th June 2011	6.15	1.16	0.24	0.152	0.09	1 <sup>st</sup> July 2012															
																														113	M/s. Kirloskar Oil Engines Ltd. Khadki, Pune	F15	6K1080TAI 6K1080TA 4K1080TA	127.5kW 147.2 kW 92 kW	6K1080TAI	127.5 kW	ARAI/MOEF/DGTA/KOEL- F15/2008-056 dtd. 01.10.2008	ARAI/MoEF/DGCoP/KO ELK-F15/10-11/120, dated 16th June 2011	<b>10.69</b>	0.46	0.52	0.094	0.12	1st July 2012

									7.58	0.69	0.46	0.158	0.22	
									6.70	0.78	0.51	0.192	0.27	
									6.62	0.77	0.48	0.099	0.26	
									<b>8.83</b>	<b>0.75</b>	<b>0.51</b>	<b>0.159</b>	-	
114	M/s. Supernova Engineers Ltd., B-91, Pariseema Complex, 9th Floor,C G Road, Ahmedabad, Gujrat	F4	YC6108ZLD YC6108ZD	94 kW 81 kW	YC6108ZLD	94 kW	ARAI/MOEF/DGTA/IMP/SEL-F4/2008-073 dtd. 23.12.2008	ARAI/MoEF/DGCoP/IMP/SEL-F4/10-11/121, dated 16th June 2011	7.53	1.08	1.14	0.177	0.18	1st July 2012
115	M/s. Supernova Engineers Ltd., B-91, Pariseema Complex, 9th Floor, C G Road, Ahmedabad, Gujrat	F8	YC6B155L-D20	112 kW	YC6B155L-D20	112 kW	ARAI/MOEF/DGTA/IMP/SEL-F8/2010-093 dtd. 21.01.2011	ARAI/MoEF/DGCoP/IMP/SEL-F8/10-11/122, dated 16th June 2011	6.92	0.75	0.27	0.193	0.41	1st July 2012
116	M/s. Supernova Engineers Ltd. B-91,Pariseema Complex, 9th Floor,CG Road Ahmedabad, Gujrat	F5	YC6A 190D	139 kW	YC6A 190D	139 kW	ARAI/MOEF/IMP/DGTA/SEL-F5/2008-075 dtd. 01.01.2009	ARAI/MoEF/DGCoP/IMP/SEL-F5/10-11/123, dated 20th June 2011	7.77	0.82	0.26	0.119	0.16	1st July 2012
117	M/s. Supernova Engineers Ltd. B-91,Pariseema Complex, 9th Floor,CG Road Ahmedabad, Gujrat	F2	YC4108ZD YC6108ZD	50 kW 84 kW	YC4108ZD	50 kW	ARAI/MOEF/IMP/DGTA/SEL-F2/2010-103 dtd. 21.01.2011	ARAI/MoEF/DGCoP/IMP/SEL-F2/10-11/124, dated 20th June 2011	7.83	0.90	0.43	0.155	0.226	1st July 2012
118	M/s. Supernova Engineers Ltd. B-91,Pariseema Complex, 9th Floor,CG Road Ahmedabad, Gujrat	F3	YC6108D	60 kW	YC6108D	60 kW	ARAI/MOEF/IMP/DGTA/SEL-F3/2010-091 dtd. 21.01.2011	ARAI/MoEF/DGCoP/IMP/SEL-F3/10-11/125, dated 20th June 2011	7.93	2.22	0.77	0.092	0.107	1st July 2012
119	M/s. Kirloskar Oil Engines Ltd. Kagal Kolhapur	F1	EAF8 EA16	5.88 kW 11.77 kW	EA16	11.77 kW	ARAI/MOEF/DGTA/KOEL-F1/2004-38, Dated 11.08.2004 & ARAI/MOEF/DGTA/KOEL-F1/2004-38-E1, Dated	ARAI/MoEF/DGCoP/KOEL-F1-F2-F30/10-11/126, 20th June 2011	8.00	<b>5.04</b>	<b>2.26</b>	0.287	0.34	1st July 2012
									8.32	2.36	<b>1.59</b>	0.12	0.13	
									7.91	2.26	0.74	0.079	0.03	
									8.15	2.66	0.83	0.094	0.03	
									8.00	2.97	0.92	0.105	0.03	
7.89	2.51	0.91	0.094	0.10										

					04.12.2008
F2	EA10 EA20 EAF10	7.36 kW 14.72 kW 7.36 kW	EA10	7.36 kW	ARAI/MOEF/DGTA/KOEL-F2/2004-48, Dated 11.08.2004 & ARAI/MOEF/DGTA/KOEL-F2/2004-48-E1, Dated 04.12.2008
F31	FA350	4.1 kW			ARAI/MOEF/DGTA/KOEL-F31/2008-080, Dated 20.01.2009
F4	HA294	13.8 kW			ARAI/MOEF/DGTA/KOEL-F4/2003-09-E1, Dated 01.10.2008
F6	EW24	17.66 kW			ARAI/MOEF/DGTA/KOEL-F6/2007-030, Dated 12.07.2007 & ARAI/MOEF/DGTA/KOEL-F6/2007-030-E1, Dated 04.12.2008
F8	EW14	10.3 kW			ARAI/MOEF/DGTA/KOEL-F8/2004-50, Dated 11.09.2004 & ARAI/MOEF/DGTA/KOEL-F8/2004-50-E1,, Dated 04.12.2008
F22	HA294-SR2	19 kW			ARAI/MOEF/DGTA/KOEL-F22/2006-040-E1, Dated 01.10.2008

7.70	2.55	0.79	0.076	0.03
8.16	2.56	0.80	0.123	0.07
<b>10.17</b>	1.99	0.64	0.122	0.21
8.95	2.25	0.65	0.135	0.21
8.79	2.17	0.64	0.106	0.15
<b>9.69</b>	2.19	0.65	0.125	0.097
8.25	2.37	0.56	0.105	0.104
7.98	2.78	0.76	0.136	0.11
7.26	2.46	0.70	0.131	0.15
8.57	2.25	0.64	0.092	0.126
8.77	1.47	0.89	0.161	0.20

		F30	HA294-SRIII	15.09 kW			ARAI/MOEF/DGTA/KOEL-F30/2008-082, dtd. 20.01.2009								
									7.61	1.77	1.05	0.282	0.20		
									8.33	1.85	1.06	0.262	0.33		
									8.71	1.59	1.00	0.176	0.24		
120	M/s. Weichai Power Co. Ltd., No. 197A, Fushou East Street, Weifang, Shandong, China	F2	WD12D320E10	235 kW	WD12D320E10	235 kW	ARAI/MoEF/IMP/DGTA/WCI-F2/2009-051 dtd. 6th November 2009	ARAI/MoEF/DGCoP/IMP/WCI-F2/10-11/127, dated 28th June 2011	6.47	0.52	0.27	0.127	0.05	1st July 2012	
121	M/s. Weichai Power Co. Ltd., No. 197A, Fushou East Street, Weifang, Shandong, China	F3	WD10D280E10 WD10D258E10 WD10D231E10	204 kW 194 kW 170 kW	WD10D280E10	204 kW	ARAI/MoEF/IMP/DGTA/WCI-F3/2009-053 dtd. 6th November 2009	ARAI/MoEF/DGCoP/IMP/WCI-F3/10-11/128, dated 28th June 2011	7.19	0.6	0.28	0.143	0.10	1st July 2012	
122	M/s. DEUTZ AG, GERMANY, Ottostrasse 1, D-51149 kohn (Porz-Eil)/Germany,  M/s. DEUTZ ENGINES (INDIA) PVT. LTD., Heritage House, B' wing, 4th Floor, 6 Ramabai Ambedkar Marg, Pune 411 001	F2	F4L 2011	29.9 kW	F4L 2011	29.9 kW	ARAI/MOEF/DGTA/IMP/DEU-F2/2008-031 Dtd.18th July.2008	ARAI/MoEF/DGCoP/IMP/DEIPL-F2/10-11/129, dated 21st June 2011	5.98	2.38	0.75	0.204	0.66	1st July 2012	
123	M/s. DEUTZ ENGINES (INDIA) PVT. LTD., Heritage House, B' wing, 4th Floor, 6 Ramabai Ambedkar Marg, Pune 411 001	F6	BF4M1013FC	129 kW	BF4M1013FC	129 kW	ARAI/MoEF/IMP/DGTA/DEIP L-F6/2010-084 Dtd.20th September 2010	ARAI/MoEF/DGCoP/IMP/DEIPL-F6/10-11/130, dated 21st June 2011	6.45	0.49	0.29	0.069	0.11	1st July 2012	
124	M/s. Kirloskar Oil Engines Ltd. Khadki, Pune	F17	6SL9088TAI 6SL9088TA	130 kW 147 kW	6SL9088TA	147 kW	ARAI/MoEF/DGTA/KOEL-F17/2005-27 dtd. 21st Oct. 2005	ARAI/MoEF/DGCoP/KOE LK-F17/10-11/131, dated 21st June 2011	8.28	1.51	0.51	0.17	0.41	1st July 2012	

125	M/s. Atul Generators Pvt. Ltd. Nunhai, Agra	F1	AG-10 AG-20 AG-9 AG-18	7.36 kW 7.36 kW 6.62 kW 6.62 kW	AG-10	7.36 kW	ARAI/MOEF/DGTA/AGPL-F1/2006-023 dtd.29th July 2006	ARAI/MoEF/DEGCoP/AG PL-F1/10-11/132, dated 21st June 2011	8.25	1.62	0.50	0.280	0.63	1st July 2012						
		F2	AG-10A AG-20A AG-7.5A AG-15A	7.36 kW 14.7 kW 5.52 kW 11 kW			ARAI/MOEF/DGTA/AGPL-F2/2006-026 dtd.05th Sep. 2006		7.64	2.29	0.62	<b>0.312</b>	0.64							
		F3	AG-12A AG-24A	8.83 kW 8.83 kW			ARAI/MOEF/DGTA/AGPL-F3/2007-014 dtd.28th Feb. 2007		9.17	2.64	0.62	0.257	0.58							
		6.86	2.65	0.68			0.238		0.43											
		7.05	1.99	0.66			<b>0.424</b>		0.62											
		7.94	1.77	0.59			0.272		0.58											
		9.16	1.37	0.57			0.162		0.31											
		9.18	1.51	0.38			0.208		0.411											
		126	M/s. Continental Engines Ltd., Engines & Vehicles SBU, 240-241, Udyog Vihar, Phase IV, Gurgaon-122 002	F2			188G		6.5 kW	188G	6.5 kW	ARAI/MOEF/DGTA/VML-F2/2009-041 dtd. 20th November 2009	ARAI/MoEF/DGCoP/CEL -F2/10-11/133, dated 21st June 2011		7.45	0.24	0.12	<b>0.323</b>	0.251	1st July 2012
															7.31	0.29	0.18	0.248	0.113	
8.16	0.28				0.15	0.244		0.136												
7.61	0.28				0.16	<b>0.410</b>		0.278												
8.14	0.32				0.17	<b>0.361</b>		0.27												
7.43	0.29				0.22	0.258		0.166												
8.37	1.00				0.46	0.133		0.122												
8.28	0.38				0.28	0.17		0.133												
7.79	0.34	0.25	0.173	0.087																
7.60	0.45	0.26	0.175	0.097																
127	M/s. Kirloskar Oil Engines Ltd., Khadki, Pune	F20	6SL1500TASR1 6SL1500TASR2	164.5 kW 184 kW	6SL1500TASR 2	184 kW	ARAI/MOEF/DGTA/KOEL-F20/2006-028 dtd. 17.10.2006	ARAI/MoEF/DGCoP/KOE LK-F20/10-11/134, dated 23rd June 2011	7.48	1.99	0.33	0.198	0.35	1st July 2012						

128	M/s. Prime Engery Pvt. Ltd., Survey No- 108/1, Village Kala, Silvassa. UT-396230	F5	S6R2-B1PTA-S	688 kW	S6R2-B1PTA-S	688 kW	ARAI/MOEF/DGTA/IMP/MHI -F5/2010-063 dtd. 30th March 2010	ARAI/MoEF/DGCoP/IMP /MHI-F5/10-11/135, dated 27th June 2011	8.24	1.17	0.48	0.157	0.51	1st July 2012
129	M/s. Supernova Engineers Ltd., B-91, Pariseema Complex, 9th Floor, C G Road, Ahmedabad,Gujrat	F6	YC6M320D	235.5 kW	YC6M320D	235.5 kW	ARAI/MOEF/DGTA/IMP/SEL- F6/2008-074 dtd. 01.01.2009	ARAI/MoEF/DGCoP/IMP /SEL-F6/10-11/136, dated 27th June 2011	6.34	0.70	0.32	0.082	0.08	1st July 2012
130	M/s. Ashok Leyland Ltd. Chennai	F15	AL4DTG1 AL4DTG2 AL4DTG3	46 kW 50.5 kW 57 kW	AL4DTG3	57 kW	ARAI/MOEF/DGTA/ALL- F15/2007-062 dtd. 8th October 2007	ARAI/MoEF/DGCoP/ALL- F15/10-11/137, dated 27th June 2011	7.84	0.56	0.17	0.084	0.132	1st July 2012
131	M/s. Ashok Leyland Ltd. Chennai	F5	ALGWD618.42D	231.3 kW	ALGWD618.42 D	231.3 kW	ARAI/MOEF/DGTA/AL- F5/2006-007 dtd. 24th February 2006 & ARAI/MOEF/DGTA/AL- F5/2006-007-E2 dtd. 17th March 2011	ARAI/MoEF/DGCoP/IMP /ALL-F5/10-11/138, dated 27th June 2011	8.47	0.52	0.27	0.109	0.297	1st July 2012
132	M/s. Ashok Leyland Ltd. Chennai	F16	AL615TAG1 AL615TAG2	188 kW 168 kW	AL615TAG1	188 kW	ARAI/MOEF/DGTA/ALL- F16/2008-010 dtd. 26th March 2008	ARAI/MoEF/DGCoP/ALL- F16/10-11/139, dated 27th June 2011	6.92	0.60	0.28	0.069	0.324	1st July 2012
133	M/s. PERKINS ENGINES COMPANY LTD. Tixall Road, Stafford,St16 3UB, UK	F3	4006-23TAG3AS 4006-23TAG3AP 4006-23TAG2AS 4006-23TAG2AP	786 kW 705 kW 721 kW 658 kW	4006- 23TAG2AP	658 kW	ARAI/MOEF/IMP/DGTA/PEC L/F3/2010-012 dated-19 Feb 2010	ARAI/MoEF/DGCoP/IMP /PECL-F3/10-11/140, dated 27th June 2011	6.76	1.03	0.580	0.162	0.15	1st July 2012
134	M/s. Shandong Weichai Huafeng Power Co. Ltd., Gaoxin Building, Yuqing East Street, Gaoxin District, Weifang, Shandong, China	F1	R3105D1-F R3105DF	22 kW 22 kW	R3105D1-F	22 kW	ARAI/MOEF/DGTA/IMP/HU A-F1/2009-011 dtd. 25th May 2009	ARAI/MoEF/DGCoP/IMP /HUA-F1/10-11/141, dated 28th June 2011	6.53	1.81	0.49	0.146	0.53	1st July 2012

135	M/s. Shandong Weichai Huafeng Power Co. Ltd., Gaoxin Building, Yuqing East Street, Gaoxin District, Weifang, Shandong, China	F4	R3105ZD-P	32.5 kW	R3105ZD-P	32.5 kW	ARAI/MOEF/DGTA/IMP/HU A-F4/2009-021 dtd. 11th June 2009	ARAI/MoEF/DGCoP/IMP /HUA-F4/10-11/142, dated 28th June 2011	5.76	1.27	0.61	0.202	0.68	1st July 2012
136	M/s. Shandong Weichai Huafeng Power Co. Ltd., Gaoxin Building, Yuqing East Street, Gaoxin District, Weifang, Shandong, China	F5	R6105ZD1-P1 R4105ZD1-P1	84 kW 54.6 kW	R6105ZD1-P1	84 kW	ARAI/MOEF/DGTA/IMP/HU A-F5/2009-022 dtd. 11th June 2009	ARAI/MoEF/DGCoP/IMP /HUA-F5/10-11/143, dated 28th June 2011	6.83	1.33	0.67	0.124	0.35	1st July 2012
137	M/s. Shandong Weichai Huafeng Power Co. Ltd., Gaoxin Building, Yuqing East Street, Gaoxin District, Weifang, Shandong, China	F6	R4105IZLD-P1	66 kW	R4105IZLD-P1	66 kW	ARAI/MOEF/DGTA/IMP/HU A-F6/2009-023 dtd. 11th June 2009	ARAI/MoEF/DGCoP/IMP /HUA-F6/10-11/144, dated 28th June 2011	7.34	0.72	0.45	0.136	0.27	1st July 2012
138	M/s. Shandong Weichai Huafeng Power Co. Ltd., Gaoxin Building, Yuqing East Street, Gaoxin District, Weifang, Shandong, China	F7	R4108ID-P1	44 kW	R4108ID-P1	44 kW	ARAI/MOEF/DGTA/IMP/HU A-F7/2009-024 dtd. 11th June 2009	ARAI/MoEF/DGCoP/IMP /HUA-F7/10-11/145, dated 28th June 2011	6.16	1.85	0.38	0.113	0.5	1st July 2012
139	M/s. Shandong Weichai Huafeng Power Co. Ltd., Gaoxin Building, Yuqing East Street, Gaoxin District, Weifang, Shandong, China	F8	R6105IZLD-P1 R6105AZLD-P1	127 kW 110 kW	R6105AZLD-P1	110 kW	ARAI/MOEF/DGTA/IMP/HU A-F8/2009-025 dtd. 11th June 2009	ARAI/MoEF/DGCoP/IMP /HUA-F8/10-11/146, dated 28th June 2011	8.05	0.97	0.47	0.166	0.65	1st July 2012
140	M/s. Shandong Weichai Huafeng Power Co. Ltd., Gaoxin Building, Yuqing East Street, Gaoxin District, Weifang, Shandong, China	F11	R2105D-F	17 kW	R2105D-F	17 kW	ARAI/MOEF/DGTA/IMP/HU A-F11/2010-015 dtd. 19th February 2010	ARAI/MoEF/DGCoP/IMP /HUA-F11/10-11/147, dated 28th June 2011	7.83	2.68	0.39	0.132	0.6	1st July 2012

141	M/s. DEUTZ AG, GERMANY, Ottostrasse 1, D-51149 koln (Porz-Eil)/Germany,  M/s. DEUTZ ENGINES (INDIA) PVT. LTD., Heritage House, B' wing, 4th Floor, 6 Ramabai Ambedkar Marg, Pune 411 001	F7	TCD 2013 L064 V	227 kW	TCD 2013 L064 V	227 kW	ARAI/MOEF/DGTA/IMP/DEI PL-F7/2011-014,Dtd.26th March.2011	ARAI/MoEF/DGCoP/IMP /DEU-F7/10-11/148C, dated 30thJune 2011	4.96	0.46	0.10	0.072	0.011	1st July 2012
142	M/s. Deutz AG, Ottostrasse 1, D-51149 Cologne, Germany	F4	BF4M2012C	74.9 kW	BF4M2012C	74.9 kW	ARAI/MoEF/IMP/DGTA/DEU -F4/2010-024 Dtd.19th March 2010	ARAI/MoEF/DGCoP/IMP /DEU-F4/10-11/149, dated 30th June 2011	7.19	0.51	0.10	0.113	0.02	1st July 2012
143	M/s. Deutz AG, Ottostrasse 1, D-51149 Cologne, Germany	F5	BF4M2011	41.2 kW	BF4M2011	41.2 kW	ARAI/MoEF//DGTA/IMP/DE U-F5/2010-017 Dtd.19th March 2010	ARAI/MoEF/DGCoP/IMP /DEU-F5/10-11/150, dated 30th June 2011	6.68	1.14	0.37	0.101	0.24	1st July 2012
144	M/s. Lombardini India Pvt. Ltd., Chikalhana, Aurangabad	F1	15LD440	6.7 kW	15LD440	6.7 kW	ARAI/MOEF/DGTA/LIPL- F1/2008-006 dtd. 14th Mar. 2008 & ARAI/MOEF/DGTA/LIPL- F1/2008-006-E1 dtd. 31st Mar. 2011	ARAI/MoEF/DGCoP/LIP L-F1/10-11/151C, dated 30th June 2011	7.77	0.64	0.40	<b>0.330</b>	0.380	1st July 2012
									6.50	0.90	0.51	<b>0.505</b>	0.480	
									7.35	2.15	<b>1.32</b>	<b>1.063</b>	0.390	
									7.76	1.11	0.69	<b>0.323</b>	0.240	
									6.91	0.69	0.27	<b>0.453</b>	0.400	
									8.00	0.55	0.20	0.260	0.284	
									7.68	0.65	0.23	0.222	0.285	
									7.43	0.72	0.46	<b>0.339</b>	0.353	
									7.40	0.92	0.64	<b>0.360</b>	0.421	
									8.11	0.60	0.35	0.259	0.279	
									8.79	0.61	0.28	0.206	0.281	
									7.40	0.75	0.45	0.254	0.269	
									7.32	0.73	0.41	<b>0.323</b>	0.249	
		8.33	0.87	0.44	0.296	0.311								
	F16	KDW 702-DCI KDW 1003-DCI KDW 1404-DCI	9.8 kW 14.7 kW 19 kW			ARAI/MOEF/DGTA/LIPL/F16 / 2010-019 dtd. 12.03.2010								

									7.43	0.73	0.45	0.214	0.281	
									6.71	0.84	0.60	<b>0.533</b>	0.342	
									8.47	0.91	0.61	<b>0.388</b>	0.408	
									8.69	0.83	0.58	0.198	0.247	
									8.13	0.78	0.67	0.274	0.278	
									7.63	0.63	0.33	0.258	0.281	
									7.22	0.82	0.58	0.232	0.273	
									8.35	0.69	0.62	0.231	0.24	
145	M/s. Weifang Weichai Deutz Diesel Engine Co. Ltd., No. 121, Beigong Road, Kuiwen District, Weifang, Shandong, China	F1	WP3D55E20	40 kW	WP3D55E20	40 kW	ARAI/MoEF/DGTA/IMP/DDECL/2009-042 dtd. 14th August 2009	ARAI/MoEF/DGCoP/IMP/DDECL-F1/10-11/152, dated 28th June 2011	6.16	1.75	0.91	0.136	0.14	1st July 2012
146	M/s. PERKINS ENGINES LTD. Tixall Road, Stafford, St16 3UB, UK	F2	2506C-E15TAG2 S 2506C-E15TAG2 P 2506C-E15TAG1 P 2506C-E15TAG1 S	495 kW 451 kW 412 kW 451 kW	2506C-E15TAG2P	451 kW	ARAI/MOEF/DGTA/IMP/PEL/F2/2009-044 dated-17-September- 2009	ARAI/MoEF/DGCoP/IMP/PEL-F2/10-11/153, dated 28th June 2011	5.44	1.43	0.08	0.159	0.06	1st July 2012
147	M/s. PERKINS ENGINES LTD. Tixall Road, Stafford, St16 3UB, UK	F1	2806C-E18TAG1A S 2806C-E18TAG1A P	583.8 kW 532 kW	2806C-E18TAG1A P	532 kW	ARAI/MOEF/DGTA/IMP/PEL/F1/2009-043 dated-14-09-2009	ARAI/MoEF/DGCoP/IMP/PEL-F1/10-11/154, dated 30th June 2011	6.03	1.00	0.10	0.090	0.148	1st July 2012
148	M/s. Supernova Engineers Ltd. B-91, Pariseema Complex, 9th Floor, CG Road Ahmedabad, Gujrat	F1	YC4108D	38 kW	YC4108D	38 kW	ARAI/MOEF/DGTA/IMP/SEL-F1/2009-050 Dtd. 6th September 2009	ARAI/MoEF/DGCoP/IMP/SNEL-F1/10-11/155, dated 30th September 2011	<b>9.30</b>	2.04	0.79	0.125	0.22	1st July 2012
									8.27	3.05	0.83	0.128	0.23	
									8.39	2.24	0.69	0.114	0.25	
									<b>9.00</b>	<b>2.77</b>	<b>0.81</b>	<b>0.127</b>	-	
149	M/s. Mahindra & Mahindra	F23	1125GR	8.08 kW	1125GR	8.08	ARAI/MOEF/DGTA/M&M-	ARAI/MoEF/DGCoP/M	6.65	<b>3.62</b>	0.73	0.142	0.31	1st

Ltd. FES, Kandivli (East) Mumbai					kW	F23/2009-010 dtd. 22.05.2009	&M-F23/10-11/156, dated 30th September 2011	6.06	3.01	0.62	0.153	0.54	July 2012
								6.62	3.14	0.45	0.123	0.52	
								7.67	3.20	0.47	0.094	0.30	
								7.41	2.83	0.42	0.107	0.36	
								8.32	2.53	0.56	0.119	0.17	

### Certification Agency: International Centre for Automotive Technologies (ICAT), Manesar

Sr No	Name & Address of Genset Manufacturers	MODEL	Family	Type Approval Certificate No. and date	Conformity of Production No.. date	Capacity (kW)	Summary of Emission Test Results					Valid up to COP Year ending on 30th June
							Nox	CO	HC	PM	Smoke	
1	INTERNATIONAL TRACTOR LTD. Village - Chak, Gujran, P.O.Piplanwala, Jalandhar Road, Hoshiarpur ,Punjab-146 022.	4100GLT	F5	iCAT/MOEF/DGTA/ITL-F5/2008-203 dt. 06.11.2008	ICAT/MOEF/DGCOP/ITL-F5/G-0361 dt.06.07.11	42.6 kW	6.62	0.61	0.16	0.149	0.339	2012
		4105GLT	F7	iCAT/MOEF/DGTA/ITL-F7/2008-201 dt. 06.11.2008	ICAT/MOEF/DGCOP/ITL-F7/G-0371 dt. 11.07.11	52.3 kW	7.21	0.50	0.18	0.185	0.332	2012
		3100GLI	F6	iCAT/MOEF/DGTA/ITL-F6/2008-202 dt. 06.11.2008	ICAT/MOEF/DGCOP/ITL-F6/G-0365 dt.06.07.11	22.0 kW	7.47	1.62	0.37	0.117	0.069	2012
		3100GL	F3	iCAT/MOEF/DGTA/ITL-F3/2008-135 dt. 06.08.2008	ICAT/MOEF/DGCOP/ITL-F3/G-0366 dt.06.07.11	27.95 kW	6.87	1.08	0.27	0.102	0.185	2012
		4100GL	F4	iCAT/MOEF/DGTA/ITL-F4/2008-134 dt. 06.08.2008	ICAT/MOEF/DGCOP/ITL-F4/G-0372 dt. 11.07.11	35.3 kW	6.5	0.89	0.25	0.128	0.320	
		2105GL	F2	iCAT/MOEF/DGTA/ITL-F2/2008-101	ICAT/MOEF/DGCOP/ITL-F2/G-0367	17.7 KW	6.49	1.18	0.29	0.171	0.178	2012



						<b>25 KW</b>	6.42	2.4	0.42	0.07	0.069	
		<b>881ES</b>	<b>F9</b>	iCAT/MOEF/DGTA/EICHER-F9/E-0296 dt. 20.08.09	ICAT/MOEF/DGCOP/EICHER-F9/G-0203 dt. 06.04.11	<b>58.8 kW</b>	7.54	0.77	0.34	0.169	0.3	<b>2012</b>
		<b>511 ESG</b>	<b>F10</b>	iCAT/MOEF/DGTA/EICHER-F10/E-0484 dt. 11.12.09	--	<b>34.0 kW</b>						
		<b>422TC</b>	<b>F10</b>	ICAT/MOEF/DGTA/EICHER-F10/G-0089 dt. 22.02.11		<b>34.0 kW</b>						
<b>3</b>	<b>ESCORTS LTD. Plot No. 2 &amp; 3, Sector – 13, Faridabad – 121 007, Haryana</b>	<b>G-30-1</b>	<b>F4</b>	iCAT/MOEF/DGTA/ESCORTS-F4/E-0053 dt. 12.03.09		<b>32.2 KW</b>						<b>2012</b>
		<b>G-30-1 &amp; G-25</b>	<b>F4</b>	ICAT/MoEF/DGTA/ ESCORTS–F4/F-0387 <b>dt. 29.06.10</b>	ICAT/MOEF/DGCOP/ESCORTS-F4/G-0340 dt.01.07.2011	<b>31.2 kW</b>	6.71	1.09	0.25	0.099	0.403	<b>2012</b>
						<b>25.5 kW</b>						
		<b>G-40</b>	<b>F5</b>	iCAT/MOEF/DGTA/ ESCORTS-F5/F-0043 <b>dt.21.01.10</b>	ICAT/MOEF/DGCOP/ESCORTS-F5/G-0272 dt.26.05.2011	<b>42.8 kW</b>	6.55	1.4	0.35	0.165	0.444	<b>2012</b>
<b>4</b>	<b>INDOFARM INDUSTRIES LTD. EPIP, Phase – II, Village – Thana, P.O.Baddi – 173 205, Distt. Solan, (H.P).</b>	<b>IF 1832</b>	<b>F4</b>	iCAT/MOEF/DGTA/IF-F4/E-0007 dt. 12.01.09		<b>18 kW</b>						
		<b>IF2833</b>	<b>F3</b>	iCAT/MOEF/DGTA/IF-F3/E-0006 dt. 12.01.09		<b>27.5 kW</b>						
		<b>IF 3443</b>	<b>F1</b>	iCAT/MOEF/DGTA/IF-F1/2008-218 dt. 04.12.08		<b>34 kW</b>						
		<b>IF 2432</b>	<b>F2</b>	iCAT/MOEF/DGTA/IF-F2/2008-217 dt. 04.12.08		<b>24 kW</b>						
		<b>IF 1623</b>	<b>F10</b>	iCAT/MOEF/DGTA/IF-F10/F-0598 <b>dt. 07.10.2010</b>		<b>16.0 kW</b>						
<b>5</b>	<b>PRAKASH DIESELS Naraich, Hathras Road, Agra.</b>	<b>PV-8 PV-12 PV-17 PV-20</b>	<b>F1</b>	ARAI	ICAT/MOEF/DGCOP/PDPL-F1/G-0364 dt. 07.07.11 <b>* (Application &amp; test property received on time, delay on part of</b>	<b>19 KW</b>	5.27	1.05	0.38	0.126	0.291	<b>(PV-12)2012</b>
							4.72	1.02	0.67	0.122	0.224	
							5.35	0.91	0.39	0.259	0.58	

This Certificate is Superseded

					<b>ICAT)</b>		5.10	1.25	0.88	0.116	0.214	
		EPA-12 EPA-24	F3	ARAI								
		EPA-8 EPA-10 EPA-16 EPA-20	F4	ARAI								
		PR-2	F2	ARAI								
		PR-3										
		PR-4										
		PR-74										
6	Meera & Company 188/5 Sherpur Bye Pass, G.T.Road, Ludhiana – 141 009.	MD-264TDI	F10	iCAT/MOEF/DGTA/MEERACO-F10/E-0027 dt. 12.02.09		26 kW						
		MD-224TD	F11	iCAT/MOEF/DGTA/ MEERACO-F11/E-0192 dt. 19.06.09		22 kW						
		A-252D	F15	iCAT/MOEF/DGTA/ MEERACO-F15/F-00058 dt. 27.01.10		18.75 kW						
		MR-1806TDI & MR-1586TDI	F13	iCAT/MOEF/DGTA/ MEERACO-F13/F-0076 dt. 02.02.10		136 kW						
		A-403D & A-514D	F14	iCAT/MOEF/DGTA/ MEERACO-F14/F-0057 dt. 27.01.10		30 kW						
7	Same Detuz-Fahr India	1000.3WG	F2	iCAT/MOEF/DGTA/SAME-F2/2008-		28.2 KW						

	72 M, Sipcot Industrial Complex, Ranipet – 632 403.	1000.4W G		0176 dt.29.09.08	No Production	37.7 KW						
		1000.2W G	F5	iCAT/MOEF/DGTA/SAME-F5/2008-0168 dt.17.09.08		18.5 kW						
		1000.4WT G	F4	iCAT/MOEF/DGTA/SAME-F4/2008-0167 dt.17.09.08		43.9 KW						
		1000.3WT G	F3	iCAT/MOEF/DGTA/SAME-F3/2008-0165 dt.17.09.09		38.24 KW						
		1000.4WTIG – 91 CV	F7	iCAT/MOEF/DGTA/SAME-F7/F-0097 dt. 11.02.10		66.93 kW						
		CHF20	F10	ICAT/MOEF/DGTA/SAS-F10/F-0296 dt. 05.05.10		16 kW						
		CH4L88	F30	ICAT/MOEF/DGTA/SAS-F30/F-0309 dt. 19.05.10		26 kW						
8	SAS Motors Limited 117A, Defence Services Enclave, Sainik Farms, New Delhi-110 062.											
9	L&T-SUCG JV DMRC Land, Near Shahbad Railway Crossing, Sector-21, Dwarka, New Delhi-110075.	6LTAA8.9-G2	F1	iCAT/MOEF/IMP/DGTA/L&T-F1/E-0048 dt. 10.03.09		200 kW						
10	Yanmar Co.Ltd	4TNV84T-BI	F2	iCAT/MOEF/DGTA/IMP/YAN-F2/2008-094 dt. 15.07.08		21.8 kW						

	Ocean Height K-4, 5th Floor, Sector-18, Noida-201 301, (U.P).	4TNV88-BI	F3	iCAT/MOEF/DGTA/IMP/YAN- F3/2008-220 dt. 08.12.08		18.7 kW							
	Yanmar India Private Ltd Ocean Height K-4, 5th Floor, Sector-18, Noida-201 301, (U.P).	4TNV98T-I	F4	ICAT/MOEF/DGTA/IMP/YAN-F4/G- 0296 dt. 13.06.11		42.3kW							
11	Perkins Engines Ltd., Tixall Road, Stafford, ST16 3UB, UK.	2206C-E13 TAG3 S 2206C-E13 TAG3 P 2206C-E13 TAG2 S 2206C-E13 TAG2 P	F4	ICAT/MOEF/ /DGTA/ IMP/PEL-F4/F- 0556 dt. 21.09.10	ICAT/MOEF/DGCOP/IMP/PEL-F4/G- 0418 dt. 25.07.11  * (Application & test property received on time, delay on part of ICAT)	412.5 kW 368.4 kW 368.4 kW 324.2 kW	3.96	2.25	0.14	0.158	0.255	2012	
12	M/s. Weichai Power Co.Ltd., Add: No.197A, Fushou East Str., high-new technology industrial development zone, Weifang, Shandong, China.	WD10D138E20	F5	ICAT/MOEF/DGTA/IMP/WPC-F5/G- 0487 dt. 02.09.2011		138 kW	7.52	0.97	0.49	0.096	0.066	2012	
		WD10D204E20	F6	ICAT/MOEF/DGTA/IMP/WPC-F6/G- 0492 dt. 02.09.2011		204 kW	6.58	0.71	0.35	0.156	0.079	2012	
		WD10D170E20				170 Kw						2012	
		WD12D255E20	F7	ICAT/MOEF/DGTA/IMP/WPC-F7/G- 0517 dt. 14.09.2011		255 kW	5.79	0.55	0.26	0.133	0.045	2012	
		WD12D235E20				235 kW						2012	
		WP12D290E20	F8	ICAT/MOEF/DGTA/IMP/WPC-F8/G- 0516 dt. 14.09.2011		290 kW	7.4	0.58	0.17	0.125	0.099	2012	
		WP12D250E20				250 kW						2012	
		WP12D337E20	F9	ICAT/MOEF/DGTA/IMP/WPC-F9/G- 0518 dt. 14.09.2011		337 kW	5.34	0.43	0.1	0.088	0.035	2012	

13	M/s. Weichai Power Yangzhou Diesel Engine Co.Ltd., Add: No.218, Chunjiang Road., Yangzhou, Jiangsu, China.	WP2.1D18E2	F1	ICAT/MOEF/DGTA/IMP/WPY-F1/G-0488 dt. 02.09.2011	17.5 kW	8.24	2.16	0.79	0.217	0.37	2012
		WP2.1D25E2	F3	ICAT/MOEF/DGTA/IMP/WPY-F3/G-0490 dt. 02.09.2011	25 Kw	8.88	1.36	0.41	0.146	0.256	2012
		WP2.1D22E2	F2	ICAT/MOEF/DGTA/IMP/WPY-F2/G-0489 dt. 02.09.2011	22 Kw	9.12	2.52	0.69	0.203	0.511	2012
		WP3.9D33E2	F4	ICAT/MOEF/DGTA/IMP/WPY-F4/G-0491 dt. 02.09.2011	33.3kW	7.31	3.26	0.73	0.196	0.671	2012
14	M/s. WeiFang Weichai Deutz Diesel Engine Co.Ltd.,Add: No.121,Beigong Rd.,Kuiwen District., Weifang, Shandong, China	WP3D60E20	F2	ICAT/MOEF/DGTA/IMP/WWD-F2/G-0521 dt. 14.09.2011	60kW	6.64	0.67	0.37	0.125	0.043	2012
		WP6D129E20	F3	ICAT/MOEF/DGTA/IMP/WWD-F3/G-0522 dt. 14.09.2011	129kW	5.67	0.66	0.18	0.163	0.07	2012
		WP6D117E20			117 kW						
		WP4D85E20			85 kW						
		WP6D93E20	F4	ICAT/MOEF/DGTA/IMP/WWD-F4/G-0520 dt. 14.09.2011	93kW	5.56	1.53	0.48	0.102	0.095	2012
		WP6D62E20			62kW						2012
15	Perfect House	ZH186 FA	F5	ICAT/MOEF/DGTA/PERFECT-F5/G-0618 dt. 04.11.2011	5.0kW	7.8	0.74	0.51	0.236	0.392	2012