

**CPCB -1 Diesel Genset Engine Emission Type Approval Data From 2003 to 2014**  
**Certification Agency: Automotive Research Association of India (ARAI)**

SR. No.	Manufacturere	Name & Address of Genset Manufacturers / Supplier	Family	Parent Engine Model Name	Parent Eng Power	Variant/s models names	Variant Eng Power	Type Approval Certificate No	Cert. Date	Summary of Emission Test Results				
										NO <sub>x</sub>	CO	HC	PM	Smoke
										(g/kW-hr)				m <sup>-1</sup>
1	KOEL	KOEL, Khadki, Pune	F2	4R1040T	61 kW	6R1080T	93.3 kW	ARAI/MOEF/DGTA/KOEL-F2/2003-001	28/Mar/2003	7.54	1.03	0.71	0.235	0.31
2	KOEL	KOEL, Khadki, Pune	F5	HA394	23.5 kW	HA694	47.8 kW	ARAI/MOEF/DGTA/KOEL-F5/2003-002	28/Mar/2003	6.78	1.65	0.44	0.192	0.53
3	KOEL	KOEL, Khadki, Pune	F3	4R1040TA	77.2 kW	6R1080TA	113.2 kW	ARAI/MOEF/DGTA/KOEL-F3/2003-003	28/Mar/2003	7.66	0.87	0.60	0.179	0.28
4	CIL	Cummins India Ltd, Pune	F1	6CT 8.3-G2-I	130.8 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F1/2003-005	28/Mar/2003	7.35	0.84	0.36	0.180	0.36
5	CIL	Cummins India Ltd, Pune	F2	6CTA-8.3-G1-I	148.4 kW	6CTA-8.3-G2-I 6CTAA-8.3-G1-I	163 kW 183 kW	ARAI/MOEF/DGTA/CIL-F2/2003-006	30/Mar/2003	6.65	0.90	0.71	0.172	0.18
6	TELCO	Telco, Pune	F1	697TC54	69.1 kW	NA	NA	ARAI/MOEF/DGTA/TELCO-F1/2003/009	31/Mar/2003	6.46	1.54	0.45	0.177	0.20
7	KOEL	KOEL, Khadki, Pune	F4	HA 294	13.8 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F4/2003-09	8/Apr/2003	8.87	2.30	0.61	0.272	0.48
8	M&M	M&M, FES, Mumbai	F1	4385GM	25 kW	NA	NA	ARAI/MOEF/DGTA/M&M-F1/2003-10	7/May/2003	7.22	2.82	0.63	0.162	0.09
9	GCLP	Greaves Ltd, Ch'wad, Pune	F3	3YD Mk3	33.2 kW	NA	NA	ARAI/MOEF/DGTA/GLP-F3/2003-11	15/May/2003	7.99	1.90	0.51	0.300	0.64
10	CIL	Cummins India Ltd, Pune	F3	X1.7 G1	14.8 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F3/2003-12	19/May/2003	8.13	1.68	0.46	0.215	0.36
11	CIL	Cummins India Ltd, Pune	F4	X2.5G2	23.9 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F4/2003-13	19/May/2003	7.29	2.88	0.62	0.144	0.34
12	GCLP	Greaves Ltd, Ch'wad, Pune	F4	TD2V6	114.6 kW	NA	NA	ARAI/MOEF/DGTA/GLP-F4/2003-14	23/May/2003	8.24	0.91	0.35	0.253	0.40
13	CIL	Cummins India Ltd, Daman	F6	6BTA5.9G11	92.4 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F6/2003-15	30/May/2003	7.97	0.64	0.34	0.116	0.50
14	CIL	Cummins India Ltd, Daman	F5	6BT5.9G1	78.2 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F5/2003-16	30/May/2003	8.13	0.82	0.41	0.098	0.34
15	M&M	M&M, FES, Mumbai	F2	2185GN	12.1 kW	NA	NA	ARAI/MOEF/DGTA/M&M-F2/2003-17	2/Jun/2003	6.32	2.06	0.65	0.201	0.18
16	M&M	M&M, FES, Mumbai	F3	4335GM	22 kW	NA	NA	ARAI/MOEF/DGTA/M&M-F3/2003-18	2/Jun/2003	7.82	1.81	0.65	0.251	0.17
17	KOEL	KOEL, Phursungi, Pune	F5	DM10	7.4 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F5/2003/19	4/Aug/2003	7.66	1.72	0.52	0.261	0.41
18	GCLP	Greaves Ltd, Ch'wad, Pune	F9	4YDC MK3	92.5 kW	NA	NA	ARAI/MOEF/DGTA/GLP-F9/2003-20	13/Jun/2003	7.90	0.68	0.17	0.120	0.23

19	GCLP	Greaves Ltd, Ch'wad, Pune	F8	4YDX MK3	68.4 kW	NA	NA	ARAI/MOEF/DGTA/FLP-F8/2003-21	18/Jun/2003	6.59	0.61	0.24	0.099	0.13
20	GCLP	Greaves Ltd, Ch'wad, Pune	F12	TBD2V6 MK-I	145.8 kW	NA	NA	ARAI/MOEF/DGTA/GLP-F12/2003-22	26/Jun/2003	5.34	0.83	0.21	0.239	0.41
21	SCL	Simpson & Co., Chennai	F1	S325	23.4 kW	NA	NA	ARAI/MOEF/DGTA/SCL-F1/2003-23	4/Aug/2003	6.48	2.44	0.54	0.175	0.35
22	TELCO	TATA Engg, Pune	F4	497DI60	31 kW	NA	NA	ARAI/MOEF/DGTA/TELCO-F4/2003-24	30/Jun/2003	6.24	2.25	0.71	0.231	0.28
23	TELCO	TATA Engg, Pune	F3	497TC62	43 kW	NA	NA	ARAI/MOEF/DGTA/TELCO-F3/2003-25	30/Jun/2003	6.40	0.98	1.05	0.130	0.17
24	TELCO	TATA Engg, Pune	F2	497TC65	59 kW	NA	NA	ARAI/MOEF/DGTA/TELCO-F2/2003-26	4/Aug/2003	6.38	0.70	0.76	0.124	0.21
25	EL	Escorts Ltd., Faridabad	F2	G-20	20 Kw	NA	NA	ARAI/MOEF/DGTA/EL-F2/2003-27	4/Aug/2003	8.88	3.41	0.54	0.255	0.32
26	EICHER	Eicher Tractors, Engg.Centre	F4	422ES	24.8 Kw	NA	NA	ARAI/MOEF/DGTA/EICHER-F4/2003-28	26/Aug/2003	8.78	3.41	0.55	0.140	0.12
27	KOEL	KOEL, PUNE	F7	6SL9088TA1	129.8 kW	6SL9088TA	145.72 kW	ARAI/MOEF/DGTA/KOEL-F7/2003-29	3/Sep/2003	8.05	2.04	0.65	0.259	0.49
28	GCLP	Greaves Ltd, Ch'wad, Pune	F7	F6DAX MK3SP	59.6 kW	6YDAX MK35P	81.19 kW	ARAI/MOEF/DGTA/GLP-F7/2003-30	3/Sep/2003	7.33	1.28	0.26	0.155	0.07
29	L&TJD	L&T John Deere, Pune	F1	2039D	24 kW	NA	NA	ARAI/MOEF/DGTA/L&TJD-F1/2003-31	18/Sep/2003	9.19	2.02	1.06	0.196	0.20
30	HMT	HMT Ltd., Pinjore	F1	HMT 3502	19.2 kW	NA	NA	ARAI/MOEF/DGTA/HMT-F1/2003-32	25/Sep/2003	7.05	3.64	0.87	0.208	0.15
31	CIL	Cummins India Ltd., Kothrud, Pune	F7	NT-14-61	208.8 kW	NT-14-62	228 kW	ARAI/MOEF/DGTA/CIL-F7/2003-33	4/Dec/2003	5.64	0.91	0.50	0.255	0.23
32	CIL	Cummins India Ltd., Kothrud, Pune	F9	NT-14-G3	208.8 kW	NT-14-G4 NT-14-F5	228 kW 254 kW	ARAI/MOEF/DGTA/CIL-F9/2003-35	4/Dec/2003	6.29	0.74	0.40	0.154	0.12
33	KOEL	KOEL, Phursungi	F6	DM12 DM24	8.8 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-FE/2003-36	4/Dec/2003	6.65	2.37	0.56	0.105	0.35
34	ELF	Escorts Ltd., Faridabad	F1	G-30	30.8 kW	NA	NA	ARAI/MOEF/DGTA/F1/2003-37	17/Oct/2003	8.07	1.60	0.38	0.089	0.15
35	BEML	Bharat Earth Movers Ltd., Mysore	F1	BS6D105-1	87 kW	NA	NA	ARAI/MOEF/DGTA/BEML-F1/2003-38	5/Jan/2004	8.33	1.38	0.80	0.225	0.40
36	GCLP	Greaves Cotton Ltd, Pune	F13	TBD3V6 MK-1	176 kW	TBD3V6 TBD3V8 TBD3V12 TBD3V12 MK1	169 KW 230.2 KW 333.18 KW 356.7 KW	ARAI/MOEF/DGTA/GCLP-F13/2003-40	31/Dec/2003	4.83	2.11	0.56	0.202	0.33
37	GCLP	Greaves Cotton Ltd, Pune	F2	3YWA MK5	24.4 kW	3YWA MK6	27.28 kW	ARAI/MOEF/DGTA/GCLP-F2/2003-41	2/Jul/2003	9.10	3.06	0.68	0.474	0.47
38	KOEL	KOEL, Pune	F8	6SL1500TAI	164.1 kW	6SL1500TA	181 KW	ARAI/MOEF/DGTA/KOEL-F8/2003-42	24/Jan/2004	7.72	1.42	0.43	0.134	0.18

39	ETA	Eicher Tractors, Alwar	F1	222ES	13 kW	222HS	13 KW	ARAI/MOEF/DGTA/ETA-F1/2004-01	26/Feb/2004	9.04	1.88	0.39	0.077	0.02
40	CIL	Cummins India Ltd., Daman	F10	S3.8G3	33.1 kW	S3.8G2	31 kW	ARAI/MOEF/DGTA/CIL-F10/2004-02	13/Feb/2004	8.00	1.96	0.48	0.157	0.48
41	CIL	Cummins India Ltd., Daman	F11	S3.8G6	51 kW	S3.8G4	43 kW	ARAI/MOEF/DGTA/CIL-F11/2004-03	13/Feb/2004	8.38	0.93	0.90	0.109	0.20
42	CIL	Cummins India Ltd., Daman	F12	S3.8G7	58.8 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F12/2004-04	13/Feb/2004	7.70	0.95	0.96	0.110	0.09
43	M&M	Mahindra & Mahindra Ltd.	F4	4575GM	38.2 kW	NA	NA	ARAI/MOEF/DGTA/M&M-F4/2004-05	12/Jul/2004	6.48	1.35	0.30	0.103	0.21
44	GCLP	Greaves Cotton Ltd, Pune	F10	TD4L4	113.9 kW	NA	NA	ARAI/MOEF/DGTA/GCLP-F10/2004-06	26/Feb/2004	8.69	0.76	0.24	0.073	0.09
45	CIL	Cummins India Ltd., Pune	F13	KTA19-G4-I	447.2 kW	KTA19-F3-I KTA19-F5-I	403 kW 366 kW	ARAI/MOEF/DGTA/CIL-F13/2004-07	26/Feb/2004	8.45	1.44	0.23	0.149	0.15
46	HMT	HMT Ltd., Pinjore	F2	HMT4902	25 kW	NA	NA	ARAI/MOEF/DGTA/HMT-F2/2004-08	11/Mar/2004	7.98	2.29	0.78	0.168	0.46
47	GCLP	Greaves Cotton Ltd, Pune	F1	2YWA MK5	16.8 kW	2YWA MK3 3YWA MK3	12.5 kW 18.62 kW	ARAI/MOEF/DGTA/GCLP-F1/2004-010	20/Mar/2004	8.65	2.77	0.57	0.164	0.60
48	CIL	Cummins India Ltd., Daman	F4	X2.5G2	23.4 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F4/2004-012	26/Feb/2004	6.48	2.44	0.54	0.175	0.35
49	GCLP	Greaves Cotton Ltd, Pune	F9	4YDCMK3	92.6 kW	3YDCMK3 6YDCMK3	61.78 kW 114.3 kW	ARAI/MOEF/DGTA/GCLP-F9/2004-013	20/Mar/2004	5.94	0.92	0.13	0.154	0.52
50	CIL	Cummins India Ltd., Pune	F14	KTA.38-G2.I	663.9 Kw	NA	NA	ARAI/MOEF/DGTA/CIL-F14/2004-014	26/Jul/2014	7.24	0.66	0.24	0.199	0.13
51	GCLP	Greaves Cotton Ltd. Aurangabad	F1	GREAVES LDA-5101B1(1510)	6 kW	NA	NA	ARAI/MOEF/DGTA/GCLA-F1/2004-015	31/Mar/2004	8.04	3.04	0.92	0.130	0.24
52	KOEL	Kirloskar Oil Engines Ltd. Purusungi	F4	DM8.5	6.3 kW	DM17	12.5 kW	ARAI/MOEF/DGTA/KOEL-F4/2004-016	29/Mar/2004	8.59	2.01	0.70	0.087	0.10
53	GCLP	Greaves Cotton Ltd. Pune	F8	4YDXMK3	68.4 kW	NA	NA	ARAI/MOEF/DGTA/GCLP-F8/2004-017	7/May/2004	7.32	0.87	0.21	0.125	0.19
54	CIL	Cummins India Ltd., Pune	F15	VTA-28-G5-I	559.5 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F15/2004-018	2/Jun/2004	7.62	1.19	0.30	0.238	0.20
55	CIL	Cummins India Ltd. Daman	F3	X1.7 G1	14.9 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F3/2004-019	15/Jun/2004	8.58	1.85	0.39	0.111	0.27
56	KOEL	Kirloskar Oil Engines Ltd. Khadki, Pune	F2	4R1040T	62.7 kW	6R1080T	93.3 KW	ARAI/MOEF/DGTA/KOEL-F2/2004-020	17/Apr/2004	5.75	1.21	0.60	0.218	0.22
57	KOEL	Kirloskar Oil Engines Ltd. Khadki, Pune	F3	4R1040TA	76.7 kW	6R1080TA	113.2 KW	ARAI/MOEF/DGTA/KOEL-F3/2004-021	17/Jun/2004	5.30	1.01	0.47	0.192	0.24
58	GCLP	Greaves Cotton Ltd., Pune	F6	6YDAX	74.5 kW	4YDAX MKII	48.43 kW	ARAI/MOEF/DGTA/GCLP-F6/2004-022	17/Jun/2004	7.88	2.34	0.46	0.174	0.05

59	KOEL	Kirloskar Oil Engines Ltd., Phursungi, Pune	F7	DM28	20.6 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F7/2004-023	17/Jun/2004	5.68	1.81	0.54	0.125	0.69
60	M&M	Mahindra & Mahindra Ltd. Kandivli, Mumbai	F5	3305GM	19.8 kW	4375GM	24.6 kW	ARAI/MOEF/DGTA/M&M-F5/2004-024	12/Jul/2004	6.46	2.30	0.56	0.210	0.30
61	CIL	Cummins India Ltd., Pune	F17	6CTAA8.3-G4	231.2 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F17/2004-025	17/Jun/2004	5.19	0.83	0.38	0.218	0.27
62	KOEL	Kirloskar Oil Engines Ltd., Khadki	F10	6KL12TASRI	284 kW	6KL12TA 6K12TA SR11	241 kW 272 kW	ARAI/MOEF/DGTA/KOEL-F10/2004-026	24/Jun/2004	8.04	0.55	0.22	0.163	0.31
63	KOEL	Kirloskar Oil Engines Ltd., Khadki	F9	8K15TASRI	414 kW	8K15TA 10K18TA 10K18TASR1 12K22TA 12K22TA SR1	363 kW 443 kW 496 kW 532 kW 574 kW	ARAI/MOEF/DGTA/KOEL-F9/2004-027	2/Aug/2004	6.96	0.73	0.17	0.182	0.32
64	GCLP	Greaves Cotton Ltd., Aurangabad	F2	GREAVES LDA-801C1(1080)	4.8 kW	NA	NA	ARAI/MOEF/DGTA/GCLA-F2/2004-028	14/Jul/2004	9.00	1.59	0.42	0.187	0.08
65	HPL	HPL, Hosur	F1	3306DITA-GS-2	203 kW	3306DITA-GP-2 3306DITA-GS-1 3306DITA-GP-1	184 kW 179 kW 163 kW	ARAI/MOEF/DGTA/HPL-F1/2004-029	28/Jul/2004	7.37	1.31	0.33	0.153	0.10
66	HPL	HPL, Hosur	F2	3306DITA-GS-4	250 kW	3306DITA-GP-4 3306DITA-GS-3 3306DITA-GP-3	228 kW 224 kW 203 kW	ARAI/MOEF/DGTA/HPL-F2/2004-030	28/Jul/2004	7.26	1.03	0.30	0.131	0.04
67	HPL	HPL, Hosur	F3	3406DITA-GS-2	351 kW	3406DITA-GP-2 3406DITA-GS-1 3406DITA-GP-1	319 kW 322 kW 292 kW	ARAI/MOEF/DGTA/HPL-F3/2004-031	28/Jul/2004	7.68	1.18	0.12	0.157	0.16
68	HPL	HPL, Hosur	F4	3412DITA-GS-2	586 kW	3412DITA-GP-2 3412DITA-GS-1 3412DITA-GP-1	553 kW 494 kW 449 kW	ARAI/MOEF/DGTA/HPL-F4/2004-032	28/Jul/2004	8.35	0.91	0.12	0.136	0.03
69	HPL	HPL, Hosur	F5	3412DITA-GS-3	696 kW	3412DITA-GP-3	633 kW	ARAI/MOEF/DGTA/HPL/F5/2004-033	28/Jul/2004	7.59	1.45	0.12	0.192	0.09
70	BEML	BEML, Mysore	F3	BSA6D125G1	174 kW	BSA6D125G2 BSA6D125G3 BSA6D125G4	194 kW 203 kW 215 kW	ARAI/MOEF/DGTA/BEML-F3/2004-036	11/Aug/2004	7.34	1.08	0.44	0.270	0.29
71	GCLP	Greaves Cotton Ltd., Pune	F2	3YWA MK5	25.3 kW	3YWA MK6	27.28 kW	ARAI/MOEF/DGTA/GCLP-F2/2004-037	2/Aug/2004	8.01	3.16	0.43	0.208	0.29
72	KOEL	Kirloskar Oil Engines Ltd., Phursungi, Pune	F1	EAF8, EA16	5.8 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F1/2004-038	11/Aug/2004	7.96	2.87	0.72	0.098	0.14
73	ETA	Eicher Tractors Ltd., Alwar	F3	322ES	17.6 kW	NA	NA	ARAI/MOEF/DGTA/ETA-F3/2004-039	2/Aug/2004	8.44	3.25	0.55	0.117	0.11
74	SCL	Simpson & Co., Chennai	F1	S433	31.4 kW	NA	NA	ARAI/MOEF/DGTA/SCL-F1/2004-040	4/Aug/2003	8.46	1.65	0.31	0.183	0.37
75	ELF	Escorts Ltd., Faridabad	F1	G-30	31.2 kW	G-25	25.5 kW	ARAI/MOEF/DGTA/ELF-F1/2004-041	29/Jul/2006	8.07	1.60	0.38	0.089	0.15
76	PDPL	Prakash Diesels Pvt. Ltd., Agra	F1	PV-8	6.4 kW	PV-12 PV-17 PV-20	7.73 kW 12.80 kW 15.46 kW	ARAI/MOEF/DGTA/PDPL-F1/2004-042	11/Sep/2004	8.23	3.36	0.78	0.265	0.41
77	BEML	BEML, Mysore	F1	BS6D105G6	87 kW	BS6D105G5 BS6D105G4 BS6D105G3 BS6D105G2 BS6D105G1	78 kW 72 kW 70 kW 68 kW 61 kW	ARAI/MOEF/DGTA/BEML-F1/2004-043	11/Aug/2004	8.33	1.38	0.80	0.225	0.40

78	HMT	HMT Ltd., Pinjore	F4	HMT 6502 TURBO	45.9 kW	NA	NA	ARAI/MOEF/DGTA/HMT-F4/2004-046	16/Sep/2004	8.98	1.03	0.18	0.133	0.50
79	HMT	HMT Ltd., Pinjore	F3	HMT 5202 TURBO	36.8 kW	NA	NA	ARAI/MOEF/DGTA/HMT-F3/2004-047	16/Sep/2004	9.13	1.31	0.17	0.182	0.34
80	KOEL	Kirloskar Oil Engines Ltd., Phursungi, Pune	F2	EA10	7.36k kW	EA20 EAF10	14.72 kW 7.36 kW	ARAI/MOEF/DGTA/KOEL-F2/2004-048	11/Aug/2004	7.95	1.99	0.49	0.139	0.18
81	KOEL	Kirloskar Oil Engines Ltd., Phursungi, Pune	F3	ED12	8.8 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F3/2004-049	11/Sep/2004	7.74	1.29	0.40	0.148	0.13
82	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F6	HA494T	40.5 kW	HA694T	61 kW	ARAI/MOEF/DGTA/KOEL-F6/2004-035	11/Sep/2004	9.04	1.44	0.29	0.179	0.12
83	KOEL	Kirloskar Oil Engines Ltd., Phursungi, Pune	F8	EW14	10.2 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F8/2004-050	4/Dec/2004	7.71	1.47	0.42	0.084	0.10
84	BTL	Bajaj Tempo Ltd., Pune	F3	TD1800F(G) 3000	27.3 KW	NA	NA	ARAI/MOEF/DGTA/BTL-F3/2004-051	3/Nov/2004	7.35	1.55	0.54	0.231	0.26
85	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F11	6SL8800TASRII	173.3 kW	6SL8800TA 6SL8800TASRI	310 kW 254 kW	ARAI/MOEF/DGTA/KOEL-F11/2004-052	29/Oct/2004	8.31	0.73	0.16	0.122	0.02
86	PDPL	Prakash Diesels Pvt. Ltd., Agra	F2	PR-2,	19.5 kW	PR-3 PR-4 PR-74	27.3 kW 37.54 kW 54.46 kW	ARAI/MOEF/DGTA/PDPL-F2/2004-053	29-Oct-2004	6.76	1.85	0.44	0.243	0.43
87	KOEL	Kirloskar Oil Engines Ltd., Phursungi, Pune	F4	EW8.5	6.25 kW	EW17	12.5 kW	ARAI/MOEF/DGTA/KOEL-F4/2004-055	29-Oct-2004	8.59	2.01	0.70	0.087	0.10
88	CIL	Cummins India Ltd., Daman	F18	6BTAA5.9G1I	125.2 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F18/2004-056	27-Nov-2004	7.88	0.58	0.52	0.128	0.30
89	CIL	Cummins India Ltd., Pune	F19	NT-855-G5-I	228.2 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F19/2004-057	27-Nov-2004	8.21	1.12	0.38	0.183	0.25
90	CIL	Cummins India Ltd., Pune	F20	NTA-855-G2-I	283.4 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F20/2004-058	27-Nov-2004	6.58	1.22	0.36	0.199	0.15
91	CIL	Cummins India Ltd., Pune	F21	NTA-855-G1-I	283.4 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F21/2004-059	27-Nov-2004	6.64	1.13	0.35	0.201	0.12
92	CIL	Cummins India Ltd., Pune	F22	NTA-855-G-I	283.4 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F22/2004-060	27-Nov-2004	7.40	1.53	0.37	0.191	0.18
93	BTL	Bajaj Tempo Ltd., Pune	F2	TD2600F(G)1500	23.4 KW	NA	NA	ARAI/MOEF/DGTA/CIL-F3/2004-061	14-Nov-2004	8.50	3.01	0.81	0.186	0.54
94	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F12	RV3	19.8 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F12/2004-062	14-Nov-2004	8.38	2.91	0.54	0.126	0.11
95	GCLP	Greaves Cotton Ltd., Pune	F5	3YDAMK3,	29.8 kW	4YDAMK3 6YDAMK3 3YDAMK2 4YDAMK2	41.3 kW 62.0 kW 27.9 kW 37.1 kW	ARAI/MOEF/DGTA/GCLP-F5/2004-063	14-Nov-2004	8.79	2.44	0.80	0.189	0.40
96	GCLP	Greaves Cotton Ltd., Pune	F16	TBD4L4	144 kW	TBD4V6 TBD4V8 TBD4V12 TBD4IV6 TBD4IV12	222.86 kW 292.73 kW 444 kW 222.86 kW 444 kW	ARAI/MOEF/DGTA/GCLP-F16/2004-065	15-Nov-2004	6.36	0.68	0.24	0.179	0.24

97	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F14	HA494	38.2 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F14/2005-02	09-Feb-2005	7.88	1.95	0.61	0.130	0.17
98	VOLVO	Volvo	F1	TAD1642GE(P)	485.1 kW	NA	NA	ARAI/MOEF/DGTA/VOLVO-F1/2005-03	03-Mar-2005	5.04	0.86	0.13	0.086	0.17
99	VOLVO	Volvo	F2	TAD1242GE(P)	351.9 kW	TAD1247GE	251.9 kW	ARAI/MOEF/DGTA/VOLVO-F2/2005-04	03-Mar-2005	5.11	0.67	0.24	0.097	0.26
100	GCLP	Greaves Cotton Ltd., Pune	F18	TBD3V12 MK-I	356.7 kW	NA	NA	ARAI/MOEF/DGTA/GCLP-F18/2005-05	31-Mar-2005	6.24	1.55	0.61	0.182	0.13
101	DEIPL	DEIPL	F1	BF8M1015CP	448 kW	NA	NA	ARAI-RCN/MOEF/DGTA/IMP/DEIPL-F1/2005-09	31-Mar-2005	4.70	0.69	0.19	0.194	0.12
102	GCLP	Greaves Cotton Ltd., Pune	F19	TBD3V12P(P)	379 kW	TBD3V12(V)	333.18 kW	ARAI/MOEF/DGTA/GCLP-F19/2005-10	17-Jun-2005	6.20	1.20	0.58	0.185	0.13
103	KOEL	Kirloskar Oil Engines Ltd., Phursungi, Pune	F7	EW28	20.6 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F7/2005-11	31-Mar-2005	6.11	1.49	0.60	0.199	0.40
104	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F13	RB33PLUS	27.9 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F13/2005-12	31-Mar-2005	8.24	3.45	0.51	0.131	0.12
105	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F15	6K1080TAG	128 kW	6K1080TAG SR1	147 kW	ARAI/MOEF/DGTA/KOEL-F15/2005-14	31-Mar-2005	7.29	0.71	0.45	0.117	0.13
106	CIL	Cummins India Ltd., Daman	F23	S3.0	27 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F23/2005-15	25-May-2005	7.14	3.24	0.70	0.145	0.43
107	CIL	Cummins India Ltd., Pune	F15	VTA28-G5I	559.5 kW	VTA28-G3I	53 kW	ARAI/MOEF/DGTA/CIL-F15/2005-16	01-Jun-2005	7.62	1.19	0.30	0.238	0.20
108	VOLVO	Volvo, Bangalore	F3	TAB941GE	280 kW	TAD940GE	241 kW	ARAI/MOEF/DGTA/VOLVO-F3/2005-17	03-Mar-2005	5.48	0.66	0.19	0.052	0.04
109	VOLVO	Volvo, Bangalore	F4	TAD740GE	220 kW	TWD740GE	181 kW	ARAI/MOEF/IMP/DGTA/VOLVO-F4/2005-18	01-Jun-2005	6.15	0.64	0.36	0.178	0.17
110	BEML	BEML, Mysore	F5	BSA6D140G5,	327 kW	BSA6D140G1 BSA6D140G2 BSA6D140G3 BSA6D140G4	245 KW 275 KW 309 KW 314 KW	ARAI/MOEF/DGTA/BEML-F5/2005-19	1-Jun-2005	5.80	0.71	0.49	0.233	0.24
111	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F16	3R1190	34.4 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F16/2005-020	17-Jul-2005	7.24	0.93	0.27	0.162	0.50
112	GCLP	Greaves Cotton Ltd., Pune	F20	1YWA-SP	9.3 kW	1YWA-MK6	9.86 kW	ARAI/MOEF/DGTA/GCLP-F20/2005-21	05-Sep-2005	7.15	2.70	0.61	0.206	0.40
113	ALL	Ashok Leyland, Chennai	F2	ALGPGG20.E4	19 kW	NA	NA	ARAI/MOEF/DGTA/ALL-F2/2005-22	26-Nov-2005	7.34	2.04	0.43	0.144	0.28
114	ALL	Ashok Leyland, Chennai	F4	ALGPG30.E4	31.2 kW	ALGPG25.E4	26.5 kW	ARAI/MOEF/DGTA/ALL/F4/2005-23	26-Nov-2005	7.99	1.16	0.29	0.109	0.40
115	GCLP	Greaves Cotton Ltd., Pune	F12	TBD2V6MKI	144.8 kW	TBD2V8MKI TBD2V12MKI TBD2V12 TBD2V12MKI TBD2V12MKIIP	186.08 kW 275.81 kW 245.65 kW 291.258 kW 291.258 kW	ARAI/MOEF/DGTA/GCLP-F12/2005-24	05-Sep-2005	5.34	0.83	0.21	0.239	0.41

116	KOEL	Kirloskar Oil Engines Ltd., Phursungi, Pune	F6	EW12	8.8 kW	EW24	17.7 kW	ARAI/MOEF/DGTA/KOELP-F6/2005-25	17-Sep-2005	6.65	2.37	0.56	0.105	0.35
117	GCLP	Greaves Cotton Ltd., Pune	F15	TBD4L4, TBD4L4P	148.6 kW	NA	NA	ARAI/MOEF/DGTA/GCLP-F15/2005-26	24-Sep-2005	6.93	0.91	0.19	0.146	0.27
118	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F17	6SL9088TAI	130 kW	6SL9088TA	147 kW	ARAI/MOEF/DGTA/KOEL-17/2005-27	21-Oct-2005	6.73	1.59	0.59	0.231	0.38
119	M&M	Mahindra & Mahindra Ltd., Mumbai	F6	1065GC	4 kW	NA	NA	ARAI/MOEF/DGTA/M&M-F6/2005-28	24-Sep-2008	7.84	0.33	0.26	0.219	0.40
120	GCLP	Greaves Cotton Ltd., Pune	F10	TD4L4	112.74 kW	NA	NA	ARAI/MOEF/DGTA/GCLP-F10/2005-29	09/27/2005	8.61	0.76	0.24	0.073	0.09
121	M&M	Mahindra & Mahindra Ltd.	F7	1085GC	4.8 kW	NA	NA	ARAI/MOEF/DGTA/M&M-F7/2005-30	10/29/2005	7.52	0.27	0.46	0.350	0.16
122	GCLP	Greaves Cotton Ltd., Pune	F17	TBD3V6 MK-I	186 kW	TBD3V6 MK-IP TBD3V6 TBD3V6P	186 kW 169 kW 169 kW	ARAI/MOEF/DGTA/GCLP-F17/2005-31	26/Mar/2005	4.93	1.50	0.50	0.263	0.62
123	KOEL	Kirloskar Oil Engines, Khadki	F18	RV2	12.5 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F18/2005-32	21/Oct/2005	7.62	2.40	0.47	0.123	0.37
124	GCLP	Greaves Cotton Ltd., Pune	F22	TBD4IV6P	245.6 kW	TBD4IV12P	488 kW	ARAI/MOEF/DGTA/GCLP-F22/2005-33	10/27/2005	6.88	0.73	0.28	0.133	0.16
125	GCLP	Greaves Cotton Ltd., Pune	F21	TBD2V6MK-IP	164 kW	TBD2V8P TBD2V12P	204.7 kW 320.4 kW	ARAI/MOEF/DGTA/GCLP-F21/2005-34	26/Nov/2005	8.20	1.56	0.29	0.153	0.28
126	KSL	Kaytee Switchgear Ltd., Hubli	F2	4KSWTC105	54.6 kW	NA	NA	ARAI/MOEF/DGTA/KSL-F2/2005-36	01/10/2006	7.24	1.89	0.60	0.184	0.63
127	KSL	Kaytee Switchgear Ltd., Hubli	F4	R6113ZLD	155 kW	NA	NA	ARAI/MOEF/DGTA/KSL-F4/2005-37	01/10/2006	7.62	1.79	0.49	0.216	0.50
128	PMD	P M Diesel	F1	FH-786	8.8 kW	NA	NA	ARAI/MOEF/DGTA/PMD-F1/2005-38	12/26/2005	6.23	1.29	0.46	0.120	0.15
129	KOEL	Kirloskar Oil Engines Ltd.	F9	EA6	4.4 kW	EA12 EAF6 EAF12	8.84 kW 4.42 kW 8.84 kW	ARAI/MOEF/DGTA/KOELP-F9/2005-39	01/03/2006	9.05	2.51	0.60	0.084	0.07
130	GCLP	Greaves Cotton Ltd., Pune	F5	3YDA MK3	34.6 kW	4YDA MK3 6YDA MK3 3YDA MARK II 4YDA MK II	41.3 kW 62.0 kW 27.9 kW 37.1 kW	ARAI/MOEF/DGTA/GCLP-F5/2005-40	01/03/2006	6.19	1.97	0.54	0.144	0.40
131	PDPL	Prakash Diesel	F3	EPA-12	8.8 kW	EPA-24	17.6 kW	ARAI/MOEF/DGTA/PDPL-F3/2006.01	01/28/2006	7.54	2.05	0.53	0.149	0.25
132	KSL	Kaytee Switchgear Ltd., Hubli	F3	6KSWITC105	127 kW	NA	NA	ARAI/MOEF/DGTA/KSL-F3/2006-02	01/28/2006	8.86	1.40	0.41	0.152	0.29
133	KOEL	Kirloskar Oil Engines Ltd., Khadki	F19	3R700	31 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F19/2006-003	16/Mar/2006	8.62	2.01	0.56	0.077	0.16
134	CIL	Cummins India Ltd., Pune	F24	NTA-855-G4-I	325 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F24/2006-004	08/05/2004	8.38	1.23	0.20	0.193	0.15
135	CIL	Cummins India Ltd., Pune	F25	NTA-14-G3-I	336 kW	NTA-14-RG2-I	336 kW	ARAI/MOEF/DGTA/CIL-F25/2006-005	08/05/2006	6.08	0.54	0.16	0.184	0.15

136	FGW	FG Wilson	F2	2806CE16TPG1	444.6 kW	2806CE16TPG2	432.6 kW	ARAI/MOEF/DGTA/FGW-F2/2006-006	03/23/2006	6.53	1.23	0.05	0.083	0.04
137	ALL	Ashok Leyland Ltd., Hosur	F5	ALGWD618.428	231.3 KW	NA	NA	ARAI/MOEF/DGTA/ALL-F5/2006-007	02/03/2006	6.47	0.56	0.30	0.132	0.06
138	CILD	Cummins India Ltd., Daman	F23	S3.3G3	31.35 kW	NA	NA	ARAI/MOEF/DGTA/CILD-F23/2006-008	03/27/2006	8.18	1.71	0.52	0.144	0.55
139	BEML	BEML, Mysore	F8	BS4D105G1	58 kW	NA	NA	ARAI/MOEF/DGTA/BEML-F8/2006-009	03/29/2006	7.73	1.85	0.73	0.189	0.40
140	GCLP	Greaves Cotton Ltd., Pune	F10	TD4L4P	114.7 kW	NA	NA	ARAI/MOEF/DGTA/GCLP-F10/2006-022	07/20/2006	7.95	0.52	0.18	0.146	0.25
141	GCLP	Greaves Cotton Ltd., Aurangabad	F1	LDA5101B1	6.1 kW	NA	NA	ARAI/MOEF/DGTA/GCLA-F1/2006-011	04/03/2006	8.04	3.04	0.92	0.130	0.24
142	GCLP	Greaves Cotton Ltd., Aurangabad	F2	LDA801C1 (1080)	4.9 kW	NA	NA	ARAI/MOEF/DGTA/GCLA-F2/2006-012	04/03/2006	9.00	1.59	0.42	0.187	0.08
143	M&M	Mahindra & Mahindra Ltd.	F8	4505GM	33.8 kW	NA	NA	ARAI/MOEF/DGTA/M&M-F8/2006-013	05/20/2006	7.62	1.84	0.52	0.089	0.15
144	BSAI	BSA, Agra	F1	TF-98-II	7.36 KW	TF-98-II/DC BSA-9-II BSA-9-II/DC	14.72 kW 6.62 kW 13.25 kW	ARAI/MOEF/DGTA/BSAI-F1/2006-014	05/20/2006	7.41	1.56	0.32	0.163	0.40
145	HPL	HPPL, Hosur	F1	3306 DITA GS-2	203 kW	3306 DITA GP-1 3306 DITA GS-1 3306 DITA GP-2	163 kW 179 kW 184 kW	ARAI/MOEF/DGTA/HPL-F1/2006-015	07/06/2006	7.37	1.31	0.33	0.153	0.10
146	HPL	HPPL Hosur	F2	3306 DITA GS-4	250 kW	3306 DITA GP-3 3306 DITA GS-3 3306 DITA GP-4	203 kW 224 kW 228 kW	ARAI/MOEF/DGTA/ HPL-F2/2006-016	07/06/2006	7.26	1.03	0.30	0.131	0.04
147	HPL	HPPL Hosur	F3	3406 DITA GS-2	351 kW	3406 DITA GP-1 3406 DITA GS-1 3406 DITA GP-2	292 kW 322 kW 319 kW	ARAI/MOEF/DGTA/ HPL-F1/2006-017	07/06/2006	7.68	1.18	0.12	0.157	0.16
148	ELGI	ELGI Equipment Ltd.	F1	5621A	4.1 kW	NA	NA	ARAI/MOEF/DGTA/ELGI-F1/2006-020	07/29/2006	8.37	1.29	0.49	0.149	0.30
149	EPI	Excel Power	F1	MEW1, MEW2	7.4 kW	NA	NA	ARAI/MOEF/DGTA/EPI-F1/2006-021	07/20/2006	6.47	3.22	0.66	0.130	0.19
150	GCLP	Greaves Cotton Ltd., Pune	F10	TD4L4P	114.7 kW	NA	NA	ARAI/MOEF/DGTA/GCLP-F10/2006-022	07/20/2006	7.95	0.52	0.18	0.146	10.25
151	AGPL	Atul Generators	F1	AG-10	7.36 kW	AG-20 AG-9 AG-18	7.36 KW 6.62 KW 6.62 KW	ARAI/MOEF/DGTA/AGPL-F1/2006-023	07/29/2006	6.35	2.66	0.72	0.106	0.15
152	KSL	Kaytee Switchgear Ltd.	F5	3KSWTC105	32 KW	NA	NA	ARAI/MOEF/DGTA/KSL-F5/2006-025	08/23/2006	8.49	1.99	1.19	0.248	0.56
153	HPL	HPL, Hosur	F4	3412DITA-GP-1	586 kW	3412DITA-GS-1 3412DITA-GP-2 3412DITA-GS-2	449 kW 533 kW 586 kW	ARAI/MOEF/DGTA/HPL-F4/2006-018	08/18/2006	8.35	0.90	0.12	0.136	0.03
154	HPL	HPL, Hosur	F4	3412DITA-GP-1	586 kW	3412DITA-GS-1 3412DITA-GP-2 3412DITA-GS-2	449 kW 533 kW 586 kW	ARAI/MOEF/DGTA/HPL-F4/2006-018	08/18/2006	7.17	1.37	0.12	0.148	0.26
155	AGPL	Atul Generators	F2	AG-10A	7.36 kW	AG-20A AG-7.5A AG-15A	14.7 KA 5.52 KW 5.52 KW	ARAI/MOEF/DGTA/AGPL-F2/2006-026	09/05/2006	6.41	1.99	0.50	0.214	0.65



156	MTU	MTU Detroit Diesel India Pvt. Ltd.	F1	12V2000G23TD13B	565 kW	12V2000G23TD/3D 12V2000G63TD/3D 12V2000G63TD/3D	625 kW 625 kW 680 kW	ARAI/MOEF/DGTA/MTU-F1/2006-027	10/18/2006	8.59	1.43	0.30	0.084	0.05
157	KOEL	Kirloskar Oil Engines Ltd., Pune	F20	6SL1500TASR1	164.5 kW	6SL1500TASR2	184.0 kW	ARAI/MOEF/DGTA/KOEL-F20/2006-028	17/Oct/2006	7.34	1.03	0.40	0.189	0.29
158	KOEL	Kirloskar Oil Engines Ltd., Pune	F8	6SL1500TAI	164.5 kW	6SL1500TA	184.0 kW	ARAI/MOEF/DGTA/KOEL-F8/2006-029	4/Dec/2006	7.55	1.25	0.35	0.101	0.28
159	LIPL	Lombardini India Pvt. Ltd.	F1	15LD440	6.7 kW	15LD400	6 kW	ARAI/MOEF/DGTA/LIPL-F1/2006-030	09/29/2006	8.38	0.58	0.35	0.164	0.43
160	LPIL	Lister Petter	F1	LPWS2	7.5 kW	LPWS3 LPWS4	10.3 kW 15.0 kW	ARAI/MOEF/DGTA/LPIL-F1/2006-031	10/11/2006	6.93	0.46	0.10	0.157	0.62
161	HMT	HMT, Pinjore	F1	HMT 3502	20 kW	NA	NA	ARAI/MOEF/DGTA/HMT-F1/2006-032	11/29/2006	8.53	2.45	0.57	0.140	0.34
162	PDPL	Prakash Diesel, Agra	F4	EPA-10	7.6 kW	EPA-8 EPA-16 EPA-20	5.9 kW 11.8 kW 14.72 kW	ARAI/MOEF/DGTA/PDPL-F4/2006-033	11/16/2006	5.79	1.79	0.56	0.154	0.30
163	MPPL	Magnus Power Pvt. Ltd.	F1	RD290GSI	16 kW	NA	NA	ARAI/MOEF/DGTA/IMP/MPPL-F1/2006-034	12/04/2006	7.22	3.47	0.95	0.287	0.10
164	FML	Force Motors Ltd., Pune	F1	TD-499LC DI	7 kW	NA	NA	ARAI/MOEF/DGTA/FML-F1/2006-035	12/10/2006	6.34	0.89	0.21	0.130	0.15

165	BEML	BEML, Mysore	F2	BS6D125G1(PES-100)	123 kW	NA	NA	ARAI/MOEF/DGTA/BEML-F2/2006-036	12/17/2006	7.35	1.44	0.80	0.205	0.19
166	CILD	Cummins Insia Ltd., Daman	F18	6BTAA5.9G-I	115 kW	NA	NA	ARAI/MOEF/DGTA/CILD-F18/2006-037	12/17/2006	7.59	0.65	0.46	0.152	0.30
167	KSL	Kaytee Switchgear Ltd., Hubli	F6	4KSWITC-105	66 kW	NA	NA	ARAI/MOEF/DGTA/KSL-F6/2006-038	02/05/2007	6.64	0.86	0.54	0.130	0.16
168	KSL	Kaytee Switchgear Ltd., Hubli	F7	6KSWATC-105	110 kW	NA	NA	ARAI/MOEF/DGTA/KSL-F7/2006-039	09/05/2007	7.32	0.93	0.61	0.110	0.15
169	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F22	HA294SR2	15.09 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F22/2006-040	10/01/2006	7.83	1.90	0.29	0.089	0.35
170	LIPL	Lombardini India Pvt. Ltd., Aurangabad	F2	15LD500	7.6 kW	NA	NA	ARAI/MOEF/DGTA/LIPL-F2/2006-041	02/05/2007	6.87	0.46	0.30	0.200	0.35
171	SCL	Simpson & Co. Ltd., Chennai	F2	SC213	9.3 kW	NA	NA	ARAI/MOEF/DGTA/SCL-F2/2006-042	03/12/2007	8.08	3.19	1.15	0.285	0.22
172	TML	Tata Motors Ltd., Pune	F6	697D50	58 kW	NA	NA	ARAI/MOEF/DGTA/TML-F6/2007-001	03/31/2007	8.38	1.50	0.21	0.156	0.61
173	CPIPL	CPIPL, Hosur	F1	3306 DITA GS-2	203 kW	3306 DITA GP-1 3306 DITA GS-1 3306 DITA GP-2	163 kW 179 kW 184 kW	ARAI/MOEF/DGTA/CPIPL-F1/2007-002		7.37	1.31	0.33	0.153	0.10
174	CPIPL	CPIPL, Hosur	F2	3306 DITA GS-4	250 kW	3306 DITA GP-3 3306 DITA GS-3 3306 DITA GP-4	203 kW 224 kW 228 kW	ARAI/MOEF/DGTA/CPIPL-F2/2007-003	02/12/2007	7.26	1.03	0.30	0.131	0.04
175	CPIPL	CPIPL, Hosur	F3	3406 DITA GS-2	351 kW	3406 DITA GP-1 3406 DITA GS-1 3406 DITA GP-2	292 kW 322 kW 319 kW	ARAI/MOEF/DGTA/CPIPL-F3/2007-004	02/12/2007	7.68	1.18	0.12	0.157	0.16
176	CPIPL	CPIPL, Hosur	F4	3412 DITA GS-2	586 kW	3412 DITA GP-1 3412 DITA GS-1 3412 DITA GP-2	449 kW 494 kW 533 kW	ARAI/MOEF/DGTA/CPIPL-F4/2007-005	02/12/2007	8.35	0.91	0.12	0.136	0.03
177	CPIP	CPIPL, Hosur	F5	3412 DITA GS-3	696 kW	3412 DITA GP-3	633 kW	ARAI/MOEF/DGTA/CPIPL-F5/2007-006	02/12/2007	7.59	1.45	0.12	0.192	0.09
178	CPIPL	CPIPL, Hosur	F6	C-18-GS-3	592 kW	C-18-GP-1 C-18-GS-1 C-18-GP-2 C-18-GS-2 C-18-GP-3	452 kW 509 kW 498 kW 548 kW 527kW	ARAI/MOEF/DGTA/CPIPL-F6/2007-007	02/12/2007	5.44	1.11	0.07	0.123	0.33
179	SCL	Simpson & Co. Ltd., Chennai	F2	S-433TC-G	39.1 kW	NA	NA	ARAI/MOEF/DGTA/SCL-F2/2007-008	03/23/2007	7.81	0.91	0.31	0.181	0.21
180	M&M	Mahindra & Mahindra Ltd. Kondivali.	F9	4725GM	47.8 kW	NA	NA	ARAI/MOEF/DGTA/M&M- /2007-009	11/12/2009	6.87	0.64	0.26	0.146	0.14
181	CPIPL	CPIPL, Hosur	F4	3412 DITA GS-2	586 kW	3412 DITA GP-1 3412 DITA GS-1 3412 DITA GP-2	449 kW 494 kW 533 kW	ARAI/MOEF/DGTA/CPIPL-F4/2007-005	02/12/2007	7.17	1.37	0.12	0.148	0.26
182	TML	Tata Motors Ltd., Pune	F5	497SPTC51	38.5 kW	NA	NA	ARAI/MOEF/DGTA/TML-F5/2007-010	03/31/2007	8.57	1.12	0.11	0.176	0.18
183	ALH	Ashok Leyland, Hosur	F11	AL680TAG3	152 kW	AL680TAG2	133.5 kW	ARAI/MOEF/DGTA/ALH-F11/2007-011	03/20/2007	6.93	0.91	0.38	0.133	0.15
184	ALH	Ashok Leyland, Hosur	F12	AL412TGI	81.9 kW	NA	NA	ARAI/MOEF/DGTA/ALH-F12/2007-012	02/28/2007	8.79	0.69	0.27	0.109	0.32

185	PHL	Perfect House Ltd., Mumbai	F1	R3105ZD	31.4 kW	NA	NA	ARAI/MOEF/DGTA/IMP/PHL-F1/2007-013	03/05/2007	9.14	1.47	0.82	0.277	0.32
186	AGPL	Atul Generators, Agra	F3	AG-12A, AG-24A	8.83 kW	NA	NA	ARAI/MOEF/DGTA/AGPL-F3/2007-014	02/28/2007	6.30	1.36	0.46	0.256	0.47
187	MPPL	Magnus Power Pvt. Ltd., Bangalore	F2	MD190GSI	9.8 kW	NA	NA	ARAI/MOEF/DGTA/IMP/MPPL-F2/2007-015	31/Mar/2007	7.19	1.27	0.45	0.150	0.07
188	M&M	Mahindra & Mahindra Ltd. Kondivali	F10	4445TCGM(MDI)	29.4 kW	4505TCGM(MDI)	33.8 kW	ARAI/MOEF/DGTA/M&M/F10/2007-016	11/12/2007	8.65	0.90	0.22	0.136	0.11
189	M&M	Mahindra & Mahindra Ltd. Kondivali	F11	4575TCIGM(MDI)	38.3 kW	NA	NA	ARAI/MOEF/DGTA/M&M-F11/2007-017	20/Mar/2007	7.78	0.71	0.15	0.135	0.20
190	KSL	Kaytee Switchgear Ltd., Hubli	F9	4KSWN108	42.9 kW	NA	NA	ARAI/MOEF/DGTA/KSL-F9/2007-018	03/13/2007	8.35	1.78	0.76	0.168	0.30
191	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F21	TBD2V6MK IP	145.8 kW	TBD2V8P TBD2V12P TBD2V6MK I TBD2V8MK I TBD2V12MK I TBD2V12 TBD2V12MK II TBD2V12MK IIP	162.8 kW 320.4 kW 144.89 kW 275.81 kW 276.81 kW 244.65 kW 291.258 kW 291.258 kW	ARAI/MOEF/DGTA/GCLP-F21/2007-019	07/09/2007	5.34, 8.2	0.83, 1.56	0.21, 0.29	0.239, 0.153	0.41, 0.28
192	ETA	Eicher Tractors Ltd., Alwar	F1	222ES(NCE), ,	13 kW	222ES 222HS	13 kW 13 kW	ARAI/MOEF/DGTA/ETA-F1/2007-020	06/28/2007	8.57	1.75	0.28	0.068	0.25
193	PHL	Perfect House Ltd., Mumbai	F2	R3105ZD-F	31.4 kW	NA	NA	ARAI/MOEF/DGTA/IMP/PHL-F2/2007-021	07/24/2007	6.53	1.58	1.10	0.210	0.33
194	GCLP	Greaves Cotton Ltd., Aurangabad	F4	G600W	7.9 kW	NA	NA	ARAI/MOEF/DGTA/GCLA-F4/2007-022	06/28/2007	6.11	1.53	0.71	0.149	0.08
195	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F24	4G11T-P	68 kW	NA	NA	ARAI/MOEF/DGTA/GCLP-F24/2007-023	06/29/2007	8.37	0.56	0.09	0.119	0.15
196	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F22	TBD4L4	148.6 kW	TBD4V6 TBD4V8 TBD4V12 TBD4IV6 TBD4IV12 TBD4IV6P TBD4IV12P	222.8 kW 292.7 kW 444 kW 222.8 kW 444 kW 245.6 kW 488 kW	ARAI/MOEF/DGTA/GCLP-F22/2007-024	07/02/2007	6.36, 6.88	0.68, 0.73	0.24, 0.28	0.179, 0.133	0.24, 0.16
197	ALL	Ashok Leyland Ltd., Chennai	F13	AL485G1	17.4 kW	NA	NA	ARAI/MOEF/DGTA/ALL-F13/2007-025	07/11/2007	8.39	2.45	1.08	0.158	0.37
198	CIL	Cummins India Ltd., Pune	F8	NTA-14-G2	254 kW	NTA-14-G1 NTA-14-G3 NTA-14-RG1 NTA-14-RG3 NTA-14-RG2	283 kW 336 kW 283 kW 336 kW 254 kW	ARAI/MOEF/DGTA/CIL-F8/2007-026	07/09/2007	7.87	0.91	0.29	0.190	0.17
199	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F6	6YDAX	76 kW	4YDAXMK II	48.4 kW	ARAI/MOEF/DGTA/GCLP-F6/2007-027	07/16/2007	7.88	2.34	0.46	0.174	0.05
200	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F7	4YDAXMK3SP	53.57 kW	6YDAXMK3SP	81.19 kW	ARAI/MOEF/DGTA/GCLP-F7/2007-028	07/16/2007	7.33	1.28	0.26	0.155	0.07
201	CIL	Cummins India Ltd., Pune	F20	NTA-855-G2-I	283 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F20/2007-029	07/09/2007	6.58	1.22	0.36	0.199	0.15

202	KOEL	Kirloskar Oil Engines Ltd., Phursungi, Pune	F6	EW24	17.7 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F6/2007-030	12/04/2007	8.22	2.20	0.72	0.087	0.20
203	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F3	3YDMK3	33.83 kW	4YDMK3 6YDMK3	45.60 KW 68.40 KW	ARAI/MOEF/DGTA/GCLP-F3/2007-031	07/11/2007	7.99	1.90	0.51	0.300	0.64
204	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F5	3YDAMK3	34.6 kW	4YDAMK3 6YDAMK3 3YDAMK II 4YDAMK II	41.3 kW 62 kW 27.89 kW 37.10 kW	ARAI/MOEF/DGTA/GCLP-F5/2007/032	07/11/2007	6.19	1.97	0.54	0.144	0.40
205	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F1	2YWAMK5	17.35 kW	2YWAMK3 3YWAMK3	12.5 KW 18.62 KW	ARAI/MOEF/DGTA/GCLP-F1/2007-033	05/12/2007	8.65	2.77	0.57	0.164	0.60
206	CIL	Cummins India Ltd., Pune	F17	6CTAA8.3-G4	231.2 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F17/2007-034	07/31/2007	5.19	0.83	0.38	0.218	0.27
207	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F9	4YDCMK3	93.1 kW	3YDCMK3 6YDCMK3	61.78 kW 114.73 kW	ARAI/MOEF/DGTA/GCLP-F9/2007-035	07/31/2007	5.94	0.92	0.13	0.154	0.52
208	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F2	3YWAMK6	24.5 kW	3YWAMK5	25.3 kW	ARAI/MOEF/DGTA/GCLP-F2/2007-037	07/25/2007	8.01	3.16	0.43	0.208	0.29
209	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F20	1YWA-SP	9.8 kW	1YWA-MK6	9.86 KW	ARAI/MOEF/DGTA/GCLP-F20/2007-038	07/25/2007	7.15	2.70	0.61	0.206	0.40
210	LEM	Leotech Engg. & Mfgs., Bangalore	F1	R3105ZD	30 kW	NA	NA	ARAI/MOEF/DGTA/IMP/LEM-F1/2007-042	08/06/2007	5.07	1.94	1.07	0.197	0.26
211	KOEL	Kirloskar Oil Engines, Khadki, Pune	F24	3R1040 Plus	30.7 kW	4R1040 Plus 4R1190 Plus	41.1 KW 46.3 KW	ARAI/MOEF/DGTA/KOEL-F24/2007-043	10/01/2007	8.46	1.42	0.76	0.155	0.55
212	M&M	Mahindra & Mahindra Ltd. Kondivali	F11	4575TCI-GM(MDI)	38.3 kW	NA	NA	ARAI/MOEF/DGTA/M&M-F11/2007-044	07/30/2007	8.80	0.70	0.25	0.080	0.10
213	M&M	Mahindra & Mahindra Ltd. Kondivali	F13	4905GM(VNEF)	60.3 kW	4725GM(VNEF)	49.3 kW	ARAI/MOEF/DGTA/M&M-F13/2007-045	13/Aug/2007	6.96	0.45	0.12	0.096	0.44
214	CIL	Cummins India Ltd., Pune	F14	KTA38G2-I	663.9 kW	KTA38G3-I	709 kW	ARAI/MOEF/DGTA/CIL-F14/2007-046	08/07/2007	7.24	0.66	0.24	0.199	0.13
215	KOEL	Kirloskar Oil Engines, Khadki, Pune	F23	DV10,	448 kW	DV8 DV12	360 kW 559 kW	ARAI/MOEF/DGTA/KOEL-F23/2007-047	08/24/2007	6.10	0.38	0.13	0.060	0.05
216	VOLVO	Volvo India Pvt. Ltd., Bangalore.	F5	TAD734GE	216 kW	NA	NA	ARAI/MOEF/DGTA/IMP/VOLVO-F5/2007-048	08/24/2007	5.31	0.49	0.06	0.096	0.01
217	LIPL	Lombardini India Pvt. Ltd.	F3	LDW702	11 kW	LDW1003 LDW1404	16.5 kW 19 kW	ARAI/MOEF/DGTA/LIPL-F3/2007-049	08/04/2007	3.66	2.40	0.31	0.227	0.25
219	SCL	Simson & Co. Ltd., Chennai.	F3	SC213	11.8 kW	NA	NA	ARAI/MOEF/DGTA/SCL-F3/2007-051	09/03/2007	8.04	3.36	0.75	0.246	0.57
220	KAMCO	Kerala Agro Machinery Corporation Ltd.,	F1	DI120CS	6.3 kW	NA	NA	ARAI/MOEF/DGTA/KAMCO-F1/2007-052	08/30/2007	8.56	1.31	0.39	0.075	0.14
221	CIL	Cummins India Ltd., Pune	F16	KTA19-G4	448 kW	KTA19-G3-I KTA19-RG3 KTA19-G5-I KTA19-G5-E	403 kW 403 kW 366 kW 366 kW	ARAI/MOEF/DGTA/CIL-F16/2007-053	08/31/2007	7.35	1.52	0.26	0.236	0.16
222	CIL	Cummins India Ltd., Pune	F2	6CTA-8.3-G1-I	153 kW	6CTA-8.3-G2-I 6CTAA-8.3-G1-I	163 KW 183 KW	ARAI/MOEF/DGTA/CIL-F2/2007-054	08/31/2007	6.65	0.90	0.71	0.172	0.18

223	CIL	Cummins India Ltd., Pune	F15	VTA28-G5I	560 kW	VTA28-G3I	530 kW	ARAI/MOEF/DGTA/CIL-F15/2007-055	08/31/2007	7.62	1.19	0.30	0.238	0.20
224	VOLVO	Volvo India Pvt. Ltd., Bangalore	F6	TWD1643GE	536 kW	NA	NA	ARAI/MOEF/DGTA/VOLVO-F6/2007-056	08/22/2007	5.40	0.70	0.08	0.080	0.00
225	SKL	SKL (INDIA) Pvt. Ltd., Mumbai	F1	1D81C	9.1 kW	NA	NA	ARAI/MOEF/DGTA/SKL-F1/2007-057	09/20/2007	8.54	2.96	0.34	0.276	0.36
226	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F20	1YWA-SP	9.86 kW	1YWA-MK6 2YWA-MK6	9.49 kW 9.194 kW	ARAI/MOEF/DGTA/GCLP-F20/2007-058	07/25/2007	7.15	2.70	0.61	0.206	0.40
227	CIL	Cummins India Ltd., Pune	F26	QSK-23-G3	701 kW	QSK-23-G3I	656 kW	ARAI/MOEF/DGTA/CIL-F26/2007-059	09/20/2007	8.57	1.51	0.25	0.085	0.04
228	ATL	Aishwarya Telecom Pvt. Ltd., Hyderabad	F1	YSD490ZL	31.1 kW	NA	NA	ARAI/MOEF/DGTA/IMP/ATL-F1/2007-060	11/02/2007	8.52	1.17	0.62	0.170	0.24
229	ALL	Ashok Leyland Ltd., Chennai	F14	AL4102G1	33.3 kW	NA	NA	ARAI/MOEF/DGTA/ALL-F14/2007-061	09/28/2007	7.99	3.19	0.69	0.210	0.33
230	ALL	Ashok Leyland Ltd., Chennai	F15	AL4DTG3	57 kW	AL4DTG1 AL4DTG2	46 kW 50.5 kW	ARAI/MOEF/DGTA/ALL-F15/2007-062	10/08/2007	8.28	0.49	0.14	0.082	0.20
231	GCLP	Greaves Cotton Ltd., Aurangabad	F5	2G870W	11 kW	NA	NA	ARAI/MOEF/DGTA/GCLA-F5/2007-063	07/11/2007	5.46	3.43	0.84	0.155	0.06
232	KJD	K J Diesels, Agra	F1	KJ26	7.36 kW	NA	NA	ARAI/MOEF/DGTA/KJD-F1/2007-064	09/21/2007	8.46	1.99	0.33	0.221	0.41
233	KOEL	Kirloskar Oil Engines, Phurshungi, Pune	F10	FA350	4.1 kW	NA	NA	ARAI/MOEF/DGTA/KOELP-F10/2007-065	10/23/2007	8.37	1.29	0.49	0.149	0.30
234	MTU	MTU, Pune	F1	12V2000G23TD/3S	625 kW	12V2000G23TD/3B 12V2000G63TD/3B 12V2000G63TD/3D	565 kW 625 kW 680 kW	ARAI/MOEF/DGTA/IMP/MTU-F1/2007-066	10/18/2007	8.59	1.43	0.30	0.081	0.05
235	CIL	Cummins India Ltd., Pune	F27	QSX-15-G8	444 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F27/2007-067	11/20/2007	5.20	0.40	0.08	0.054	0.03
236	ALH	Ashok Leyland Ltd., Hosur	F1	ALGPW04CTI.E4	56.6 kW	ALUW04CTI.E4 ALGW04CTI.E4	36.6 kw	ARAI/MOEF/DGTA/ALH-F1/2007-068	27/Nov/2007	8.30	0.92	0.26	0.143	0.16
237	SAME	Same Deutz Fahr	F1	1000.4W-51.3CV	37.7 kW	NA	NA	ARAI/MOEF/DGTA/SAME-F1/2007-069	10/25/2007	8.76	2.46	1.30	0.224	0.67
238	YAN	Yanmar Co. Ltd.,	F1	4TNV98-EG	34.9 kW	NNA	NA	ARAI/MOEF/DGTA/IMP/YAN-F1/2007-070	11/30/2007	5.78	1.65	0.47	0.107	0.21
239	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F23	3YWAMK-V	32.7 kW	NA	NA	ARAI/MOEF/DGTA/GCLP-F23/2007-071	11/20/2007	7.80	3.11	0.66	0.252	0.33
240	MCL	Meera & Co. Ltd., Ludhiana	F5	MR3105ZD	31.5 kW	NA	NA	ARAI/MOEF/DGTA/MCL-F5/2007-072	06/12/2007	8.26	1.80	1.23	0.249	0.61
241	MCL	Meera & Co. Ltd., Ludhiana	F4	YSD490TLD	32 kW	NA	NA	ARAI/MOEF/DGTA/MCL-F4/2007-073	06/12/2007	7.58	1.41	0.74	0.155	0.35
242	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F25	4G11TA-P	93 kW	4G11TA	76.5 kW	ARAI/MOEF/DGTA/GCLP-F25/2007-074	12/17/2007	7.28	0.56	0.09	0.119	0.12

243	KSL	Kaytee Switchgear Ltd., Hubli	F8	4KFWN105	31.2 kW	NA	NA	ARAI/MOEF/DGTA/KSL-F8/2007-075	11/27/2007	8.05	2.05	0.67	0.139	0.40
244	SCL	Simpson & Co., Chennai	F4	S433	33.6 kW	NA	NA	ARAI/MOEF/DGTA/SCL-F4/2007-076	12/13/2007	6.98	2.27	0.73	0.116	0.30
245	KSL	Kaytee Switchgear Ltd., Hubli	F1	3KFWN105	23 kW	NA	NA	ARAI/MOEF/DGTA/KSL-F1/2007-077	01/16/2008	8.83	2.49	0.71	0.131	0.33
246	VST	Mitsubishi Heavy Industries	F1	VST-L2E	9.8 kW	NA	NA	ARAI/MOEF/DGTA/IMP/VST-F1/2007-078	05/25/2007	8.45	1.99	0.46	0.271	0.28
247	RBE	R. B. Electronics, Pune	F1	F2L2011	11.5 kW	NA	NA	ARAI/MOEF/DGTA/RBE-F1/2007-079	01/11/2008	6.37	2.35	0.82	0.268	0.07
248	IMP/2007	Meera & Co. Ltd., Ludhiana	F3	SC10C300D	2000 kW	NA	NA	iCAT/DGTA/IMP/2007-2008-001	05/26/2008	9.15	3.10	0.81	0.191	0.35
249	ATL	Aishwarya Telecom Pvt. Ltd., Hyderabad - 4	F2	YND4852L	25 kW	NA	NA	ARAI/MOEF/DGTA/IMP/ATL-F2/2007-081	01/31/2008	7.59	1.90	0.98	0.195	0.60
250	KOEL	Kirloskar Oil Engines Ltd. Khadki, Pune	F25	HA394T	32 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F25/2008-001	02/20/2008	8.71	1.02	0.35	0.121	0.13
251	SCL	Simpson & Co., Chennai	F5	S217 (G) F5	16.4 kW	NA	NA	ARAI/MOEF/DGTA/SCL-F5/2008-002	03/06/2008	6.43	2.93	0.99	0.112	0.16
252	LB	Leotech Engineers and Manufacturers, Bangalore	F1	ZH2105 D1-P	16 kW	NA	NA	ARAI/MOEF/DGTA/LB-F1/2008-004	20/Mar/2008	8.81	1.71	0.87	0.240	0.52
253	LB	Leotech Engineers and Manufacturers, Bangalore	F2	ZH3102D1-P	22 kW	NA	NA	ARAI/MOEF/DGTA/LB-F2/2008-005	20/Mar/2008	8.22	1.54	0.65	0.178	0.50
254	LIPL	Lombardini India Pvt. Ltd., Aurangabad	F1	15LD440	6.7 kW	NA	NA	ARAI/MOEF/DGTA/LIPL-F1/2008-006	03/20/2008	8.38	0.58	0.35	0.164	0.43
255	LIPL	Lombardini India Pvt. Ltd., Aurangabad	F4	15LD440/GSI	6.1 kW	NA	NA	ARAI/MOEF/DGTA/LIPL-F4/2008-007	20/Mar/2008	6.37	1.09	0.36	0.280	0.32
256	SCPL	Standard Combines Pvt. Ltd., (Tractor Division), Barnala, Punjab)	F1	SGE-341	28.2 kW	NA	NA	ARAI/MOEF/DGTA/SCPL-F1/2008-008	03/18/2008	9.16	1.24	0.26	0.183	0.62
257	SCPL	Standard Combines Pvt. Ltd., (Tractor Division), Barnala, Punjab)	F2	SGE-451	35 kW	NA	NA	ARAI/MOEF/DGTA/SCPL-F2/2008-009	03/18/2008	8.79	1.29	0.34	0.165	0.55
258	ALL	Ashok Leyland Ltd., Chennai	F16	AL615TAG1	188 kW	AL615TAG2	168.0 kW	ARAI/MOEF/DGTA/ALL-F16/2008-010	03/26/2008	7.38	0.68	0.29	0.098	0.05
259	SCPL	Standard Combines Pvt. Ltd., (Tractor Division), Barnala, Punjab)	F3	SGE-225	18 kW	NA	NA	ARAI/MOEF/DGTA/SCPL-F3/2008-011	03/24/2008	7.50	1.64	0.34	0.147	0.48
260	M&M	Mahindra & Mahindra Ltd., FES, Kandivli, Mumbai	F14	41425GC	95 kW	NA	NA	ARAI/MOEF/DGTA/IMP/M&M-F14/2008-011	11/25/2008	7.07	0.47	0.59	0.131	0.05
261	M&M	Mahindra & Mahindra Ltd., FES, Kandivli, Mumbai	F15	61985GC	132 kW	NA	NA	ARAI/MOEF/DGTA/IMP/M&M-F15/2008-012	05/15/2008	6.78	0.63	0.47	6.081	0.06
262	M&M	Mahindra & Mahindra Ltd., FES, Kandivli, Mumbai	F17	41225 GC	82 kW	NA	NA	ARAI/MOEF/DGTA/IMP/M&M-F17/2008-013	05/15/2008	7.15	0.64	0.70	0.197	0.12

263	KSL	Kaytee Switchgear Limited, Gokul Road, Hubli - 580 030	F5	3KSWTC105	34 kW	NA	NA	ARAI/MOEF/DGTA/KSL-F5/2008-014	05/15/2008	6.31	1.09	1.08	0.235	0.13
264	AVT	AVTEC Limited, Pithampur	F1	2DE2	15.0 kW	NA	NA	ARAI/MOEF/DGTA/AVT-F1/2008-015	05/29/2008	5.98	1.11	0.37	0.228	0.25
265	MHI	MHI-VST Diesel Engines Pvt. Ltd., Mysore - 570 016	F2	L3E 15.1G01	15.1 kW	NA	NA	ARAI/MOEF/DGTA/MHI-F2/2008-016	06/13/2008	8.55	1.93	0.60	0.159	0.25
266	CIPL	Caterpillar India Pvt. Ltd., Mathagondapalli, TN	F1	3306 DITA-GS-2	203 kW	3306 DITA-GP-1 3306 DITA-GS-1 3306 DITA-G2-2	163 kW 179 kW 184 kW	ARAI/MOEF/DGTA/CIPL-F1/2008-017	05/21/2008	7.37	1.31	0.33	0.153	0.10
267	CIPL	Caterpillar India Pvt. Ltd., Mathagondapalli, TN	F2	3306 DITA-GS-4	250 kW	3306 DITA-GP-3 3306 DITA-GS-3 3306 DITA-GP-4	203 kW 224 kW 228 kW	ARAI/MOEF/DGTA/CIPL-F2/2008-018	05/21/2008	7.26	1.03	0.30	0.131	0.04
268	CIPL	Caterpillar India Pvt. Ltd., Mathagondapalli, TN	F3	3406 DITA-GS-2	250 kW	3406 DITA-GP-1 3406 DITA-GS-1 3406 DITA-GP-2	292 kW 322 kW 319 kW	ARAI/MOEF/DGTA/CIPL-F3/2008-019	05/21/2008	7.26	1.03	0.30	0.131	0.04
269	CIPL	Caterpillar India Pvt. Ltd., Mathagondapalli, TN	F4	3412 DITA-GS-2	586 kW	3412 DITA-GP-1 3412 DITA-GS-1 3412 DITA-GP-2	449 kW 494 kW 533 kW	ARAI/MOEF/DGTA/CIPL-F4/2008-020	05/21/2008 05/21/2008	8.35 7.17	0.91 1.37	0.12 0.12	0.136 0.148	0.03 0.26
271	CIPL	Caterpillar India Pvt. Ltd., Mathagondapalli, TN	F5	3412 DITA-GS-3	696 kW	3412 DITA-GP-3	633 kW	ARAI/MOEF/DGTA/CIPL-F5/2008-021	05/21/2008	7.59	1.45	0.12	0.192	0.09
272	CIPL	Caterpillar India Pvt. Ltd., Mathagondapalli, TN	F6	C-18-GS-3	592 kW	C-18-GP-1 C-18-GS-1 C-18-GP-2 C-18-GS-2 C-18-GP-3	452 kW 509 kW 498 kW 548 kW 527 kW	ARAI/MOEF/DGTA/CIPL-F6/2008-022	05/21/2008	5.44	1.11	0.07	0.123	0.33
273	MCL	Meera & Company Ltd., Ludhiana	F7	MD-244TDI	24 kW	NA	NA	ARAI/MOEF/DGTA/MCL-F7/2008-023	05/26/2008	6.21	1.86	1.06	0.106	0.26
274	MCL	Meera & Company Ltd., Ludhiana	F4	MD-324TDI	32 kW	NA	NA	ARAI/MOEF/DGTA/MCL-F4/2008-024	05/26/2008	6.40	1.47	0.75	0.291	0.56
275	GCLP	Greaves Cotton Ltd., Chinchwad, Pune	F26	4G11NA	42.3 kW	3G11A	33.1 kW	ARAI/MOEF/DGTA/GCLP-F26/2008-025	07/18/2008	7.72	1.61	0.33	0.136	0.50
276	KSL	Kaytee Switchgear Limited, Hubli	F11	2KFWN105	17 kW	NA	NA	ARAI/MOEF/DGTA/KSL-F11/2008-026	07/03/2008	8.72	2.35	1.28	0.137	0.40
277	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F26	RV2 SR I	15.2 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F26/2008-027	06/10/2008	8.97	2.81	0.66	0.168	0.65
278	M&M	Mahindra & Mahindra Ltd., FES, Kandivli, Mumbai	F2	2185 GM	12 kW	3255 GM 2205 GM	16.7 kW 13.4 kW	ARAI/MOEF/DGTA/M&M-F2/2008-028	06/09/2008	6.32	2.06	0.65	0.201	0.18
279	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F10	6KL12TA SRI		NA	NA	ARAI/MOEF/DGTA/IMP/KOEL-F10/2004-026-C1	11/Jun/2008	8.04	0.55	0.22	0.163	0.31
280	PHL	Perfect House Ltd., Mumbai	F4	R3105D-F1	22 kW	NA	NA	ARAI/MOEF/DGTA/IMP/PHL-F4/2008-029	06/12/2008	7.93	1.74	0.74	0.171	0.33
281	JER	Jeruz Magnegas Pvt. Ltd., Rajkot, Gujarat	F1	BF6M1013ECP	133.2 kW	NA	NA	ARAI/MOEF/DGTA/IMP/JER-F1/2008-030	07/18/2008	4.84	0.67	0.42	0.111	0.07
282	DEU	Deutz Engines (India) Pvt. Ltd., Pune	F2	F4 L2011	28.8 kW	NA	NA	ARAI/MOEF/DGTA/IMP/DEU-F2/2008-031	07/18/2008	6.15	2.25	0.77	0.241	0.58

283	TML	Tata Motors Ltd., Pune	F15	497SP D163	24.86 kW	NA	NA	ARAI/MOEF/DGTA/TML-F15/2008-032	07/10/2008	7.55	2.57	0.47	0.124	0.24
284	MVDE	MHI-VST Diesel Engines Pvt. Ltd., Mysore - 570 016	F2	L3E15.1k30D01	15.1 kW	L3E13.5k30D01 L3E12.0k30D01 L3E10.5k30D01	13.5 kW 12.0 kW 10.5 kW	ARAI/MOEF/DGTA/MVDE-F2/2008-033	07/16/2008	8.55	1.93	0.60	0.159	0.25
285	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F3	4R1040TA	77.2 kW	6R1080TA	113.2 kW	ARAI/MOEF/DGTA/KOEL-F3/2008-034	07/09/2008	5.80	0.95	0.69	0.204	0.30
286	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F3	4R1040TA	77.2 kW	6R1080TA	113.2 kW	ARAI/MOEF/DGTA/KOEL-F3/2008-034	07/09/2008	5.30	1.01	0.47	0.192	0.24
287	SKL	SKL (INDIA) Pvt. Ltd., Mumbai	F2	2G40	14.7 KW	NA	NA	ARAI/MOEF/DGTA/IMP/SKL-F2/2008-035	07/24/2008	5.90	2.48	0.55	0.143	0.39
288	SKL	SKL (INDIA) Pvt. Ltd., Mumbai	F4	3M41	25 KW	3L41C 4M41 4L41C	22.9 kW 32.9 kW 30.0 kW	ARAI/MOEF/DGTA/IMP/SKL-F4/2008-036	07/24/2008	6.49	2.29	0.37	0.112	0.63
289	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F28	4R1040TC	61 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F28/2008-037	07/09/2008	6.45	1.02	0.93	0.215	0.24
290	MVDE	MHI-VST Diesel Engines Pvt. Ltd., Mysore - 570 016	F4	S4L2 29.8G01	29.8 KW	NA	NA	ARAI/MOEF/DGTA/IMP/MVDE-F4/2008-038	20/Aug/2008	6.75	1.71	0.38	0.211	0.13
291	MVDE	MHI-VST Diesel Engines Pvt. Ltd., Mysore - 570 016	F3	S3L2 21.8G01	21.8 kW	NA	NA	ARAI/MOEF/DGTA/IMP/MVDE-F3/2008-040	07/29/2008	6.71	1.67	0.45	0.201	0.15
292	ALL	Ashok Leyland Ltd., Chennai	F17	AL6DTI G1	91 KW	NA	NA	ARAI/MOEF/DGTA/ALL-F17/2008-041	09/29/2008	7.53	0.70	0.17	0.114	0.12
293	ALL	Ashok Leyland Ltd., Chennai	F18	AL6DTI G2	114 KW	NA	NA	ARAI/MOEF/DGTA/ALL-F17/2008-042	09/29/2008	7.43	0.71	0.18	0.099	0.15
294	ETA	Eicher Tractors, Alwar	F3	322ES	17.5 kW	NA	NA	ARAI/MOEF/DGTA/ETA-F3/2008-043	08/29/2008	6.49	1.73	0.33	0.102	0.12
295	ETA	Eicher Tractors, Alwar	F4	422ES	25 kW	NA	NA	ARAI/MOEF/DGTA/ETA-F4/2008-044	08/29/2008	7.15	2.07	0.41	0.146	0.22
296	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F27	12K22TA-4V	569 KW	12K22 TA4VSR1	612 KW	ARAI/MOEF/DGTA/KOEL-F27/2008-045	08/25/2008	5.00	1.60	0.29	0.000	0.20
297	TLD	TLD Europe, France	F1	QSB6.7	164 kW	NA	NA	ARAI/MOEF/DGTA/IMP/TLD-F1/2008-046	09/18/2008	2.58	1.55	0.26	0.263	0.09
298	CIL	Cummins India Ltd., Kothrud, Pune	F17	6CTAA8.3-G4	231 KW	NA	NA	ARAI/MOEF/DGTA/CIL-F17/2007-034-E1	18/Sep/2008	5.19	0.83	0.38	0.218	0.27
299	APC	Asian Power Controls Ltd., Pune	F1	OWTA62015	185 kW	NA	NA	ARAI/MOEF/DGTA/IMP/APC-F1/2008-048	09/12/2008	8.47	0.48	0.31	0.050	0.04
300	M&M	Mahindra & Mahindra Ltd., FES, Kandivli, Mumbai	F5	3305 GM	19.6 KW	4375 GM	24.6 KW	ARAI/MOEF/DGTA/IMP/M&M-F5/2008-049	09/05/2008	6.46	2.30	0.56	0.210	0.30
301	LIPL	Lombardini India Pvt. Ltd., Aurangabad	F8	CH D2204 GSI	20.3 Kw	NA	NA	ARAI/MOEF/DGTA/LIPL-F8/2008-050	03/20/2008	5.70	1.06	0.18	0.149	0.34
302	LIPL	Lombardini India Pvt. Ltd., Aurangabad	F7	CHD 1603 GSI	16.1 kW	NA	NA	ARAI/MOEF/DGTA/LIPL-F7/2008-051	10/16/2008	5.85	1.26	0.19	0.226	0.62



303	CIL	Cummins India Ltd., Kothrud, Pune	F28	6BTAA 5.9 G5	146 kW	NA	NA	ARAI/MOEF/DGTA/CIL-F28/2008-052	09/18/2008	4.48	0.94	0.36	0.207	0.25
304	TVN	Trinity Ventures, MIDC Satpur, Nasik	F2	KM493Z	28.5 kW	NA	NA	ARAI/MOEF/DGTA/IMP/TVN-F2/2008-053	09/18/2018	7.36	1.73	0.71	0.094	0.08
305	TVN	Trinity Ventures, MIDC Satpur, Nasik	F1	KD488	16.4 kW	NA	NA	ARAI/MOEF/DGTA/IMP/TVN-F1/2008-054	09/29/2008	6.57	3.44	0.76	0.208	0.10
306	GCLP	Greaves Cotton Ltd., Aurangabad	F5	2G 870 W	11 kW	NA	NA	ARAI/MOEF/DGTA/GCLA-F5/2008-055	09/29/2008	5.90 5.46	2.51 3.43	0.93 0.84	0.222 0.155	0.10 0.06
307	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F15	6K1080TA	147.2 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F15/2008-056	10/01/2008	7.91	0.62	0.54	0.000	0.21
308	LIPL	Lombardini India Pvt. Ltd., Aurangabad	F5	TD226B-6IID1	93 kW	NA	NA	ARAI/MOEF/DGTA/IMP/LIPL-F5/2008-057	10/16/2008	6.27	1.20	0.61	0.178	0.26
309	LIPL	Lombardini India Pvt. Ltd., Aurangabad	F10	TD226B-6IID1	116.2 kW	NA	NA	ARAI/MOEF/DGTA/IMP/LIPL-F10/2008-058	10/16/2008	5.13	0.99	0.31	0.122	0.18
310	LIPL	Lombardini India Pvt. Ltd., Aurangabad	F6	TD226B-4IID1	60 kW	NA	NA	ARAI/MOEF/DGTA/IMP/LIPL-F6/2008-059	7/Oct/2008	6.05	1.41	0.69	0.268	0.32
311	MTU	MTU India Pvt., Ltd., Pune	F2	12V2000G65-TD/3D	765 kW	12V2000G65-TD/3B 12V2000G25-TD/3B 12V2000G25-TD/3D	695 kW 580 kW 635 kW	ARAI/MOEF/DGTA/IMP/MTU-F2/2008-060	09/30/2008	6.69	0.24	1.16	0.067	0.04
312	LIPL	Lombardini India Pvt. Ltd., Aurangabad	F9	CHD2204TGS1	26.6 kW	NA	NA	ARAI/MOEF/DGTA/IMP/LIPL-F9/2008-061	10/01/2008	5.63	0.73	0.21	0.182	0.19
313	ALL	Ashok Leyland Ltd., Chennai	F19	AL4DTIG2	77 kW	AL4DTIF1	70 kW	ARAI/MOEF/DGTA/ALL-F19/2008-062	10/03/2008	5.52	0.64	0.21	0.213	0.52
314	ALL	Ashok Leyland Ltd., Chennai	F21	AL 485TAG3	26 kW	NA	NA	ARAI/MOEF/DGTA/ALL-F21/2008-063	11/17/2008	6.82	1.10	0.53	0.120	0.09
315	ALL	Ashok Leyland Ltd., Chennai	F20	AL 485T G2	22 KW	NA	NA	ARAI/MOEF/DGTA/ALL-F20/2008-064	17/Nov/2008	6.90	1.35	0.63	0.135	0.13
316	KCJ	Kubota Corporation, Japan	F1	D1105-BG2	10.1 kW	NA	NA	ARAI/MOEF/DGTA/IMP/KCJ-F1/2008-065	11/11/2008	6.45	0.81	0.25	0.227	0.50
317	KCJ	Kubota Corporation, Japan	F2	D1703-BG2	15.5 kW	NA	NA	ARAI/MOEF/DGTA/IMP/KCJ-F2/2008-066	11/11/2008	6.19	0.89	0.26	0.239	0.65
318	KCJ	Kubota Corporation, Japan	F3	V2203-BG2	20.7 kW	NA	NA	ARAI/MOEF/DGTA/IMP/KCJ-F3/2008-067	11/11/2008	6.19	0.99	0.25	0.253	0.56
319	KCJ	Kubota Corporation, Japan	F4	V3300-BG2	30.7 kW	NA	NA	ARAI/MOEF/DGTA/IMP/KCJ-F4/2008-068	11/11/2008	6.28	0.87	0.15	0.111	0.20
320	M&M	Mahindra & Mahindra Ltd., FES, Kandivli, Mumbai	F3	4355 GM	22 KW	NA	NA	ARAI/MOEF/DGTA/M&M-F3/2008-069	7/Nov/2008	7.82	1.81	0.65	0.251	0.17
321	SEL	SuperNova Engineers Ltd., Ahmedabad	F2	YC41082D	50 kW	NA	NA	ARAI/MOEF/DGTA/SEL-F2/2008-070	01/01/2009	6.29	1.27	1.23	0.200	0.28
322	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F29	RB33 SRI	29.5 kW	RB335 SRII	28 kW	ARAI/MOEF/DGTA/KOEL-F29/2008-071	17/Nov/2008	6.55	2.20	1.27	0.156	0.31
323	ALL	Ashok Leyland Ltd., Chennai	F22	AL4127AG2	125 kW	NA	NA	ARAI/MOEF/DGTA/ALL-F22/2008-072	12/16/2008	4.12	1.05	0.26	0.216	0.13

324	CIL	Cummins India Ltd., Daman	F6	6BTA5.9-G5	93 KW	6BTA5.9G2I	114 kW	ARAI/MOEF/DGTA/CIL-F6/2003-15-E1	17/Feb/2008	7.97	0.64	0.34	0.116	0.50
325	SEL	SuperNova Engineers Ltd., Ahmedabad	F4	YC6108ZD	80 kW	YC6108ZLD	98 kW	ARAI/MOEF/DGTA/IMP/SEL-F4/2008-073	12/23/2008	7.96	1.20	1.10	0.131	0.16
326	SEL	SuperNova Engineers Ltd., Ahmedabad	F6	YC6M320D	235.5 kW	NA	NA	ARAI/MOEF/DGTA/IMP/SEL-F6/2008-074	01/01/2009	6.29	0.66	0.31	0.102	0.15
327	SEL	SuperNova Engineers Ltd., Ahmedabad	F5	YC6A190D	133.5 kW	NA	NA	ARAI/MOEF/DGTA/IMP/SEL-F5/2008-075	01/01/2009	6.25	1.18	0.35	0.140	0.25
328	VML	Vege Motors, Gurgaon	F1	VEGE 188G	6.2 KW	NA	NA	ARAI/MOEF/DGTA/VML-F1/2008-076	12/31/2008	7.54	3.49	0.58	0.230	0.58
329	SCL	Simpson & Company Ltd., Chennai	F4	S433GF4	32.1 kW	NA	NA	ARAI/MOEF/DGTA/SCL-F4/2008-077	03/10/2008	5.99	1.35	0.34	0.120	0.30
330	M&M	Mahindra & Mahindra Ltd.,	F21	62805GC	186 kW	NA	NA	ARAI/MOEF/DGTA/IMP/M&M-F21/2008-078	01/20/2009	6.18	0.36	0.34	0.069	0.02
331	M&M	Mahindra & Mahindra Ltd.,	F20	62205GC	146 KW	NA	NA	ARAI/MOEF/DGTA/IMP/M&M-F20/2008-079	01/20/2009	6.85	0.41	0.51	0.083	0.04
332	KOEL	Kirloskar Oil Engines Ltd.,	F31	FA350	4.1 Kw	NA	NA	ARAI/MOEF/DGTA/KOEL-F31/2008-080	20/Jan/2009	8.37	1.29	0.49	0.149	0.30
333	CIL	Cummins India Ltd., Daman	F29	X1.3G2	11.8 KW	NA	NA	ARAI/MOEF/DGTA/CILD-F29/2008-081	13/Jan/2009	8.68	3.07	1.13	0.243	0.25
334	KOEL	Kirloskar Oil Engines Ltd.,	F30	HA294 SRIII	15.09 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F30/2008-082	01/20/2009	6.93	1.79	0.94	0.123	0.19
335	LIPL	Lombardini India Pvt. Ltd., Aurangabad	F11	9KD625	16 kW	NA	NA	ARAI/MOEF/DGTA/IMP/LIPL-F11/2009-001	02/25/2009	6.11	0.64	0.40	0.153	0.61
336	M&M	Mahindra & Mahindra Ltd., Kandivili, Mumbai	F22	1225GM	14.7 KW	NA	NA	ARAI/MOEF/DGTA/M&M-F22/2009-002	02/25/2009	5.91	2.23	1.24	0.283	0.34
337	SCL	Simpson & Co. Ltd., Chennai	F6	S325(G)F6	2.7 kW	NA	NA	ARAI/MOEF/DGTA/SCL-F6/2009-003	06/12/2009	7.71	1.97	0.35	0.174	0.58
338	GCLP	Greaves Cotton Ltd., Pune	F24	3G11TG	42.7 kW	NA	NA	ARAI/MOEF/DGTA/GCLP-F24/2009-004	03/09/2004	7.00	1.16	0.29	0.231	0.22
				4G11TP	69 KW	NA	NA		03/09/2019	8.37	0.56	0.99	0.119	0.15
339	GCLP	Greaves Cotton Ltd., Pune	F26	4G11NAG1	42.3 kW	3G11NAP 3G11NAG1 3G11NAG2	33.1 kW 28.0 kW 23.0 kW	ARAI/MOEF/DGTA/GCLP-F26/2009-005	03/17/2009	7.72	1.61	0.33	0.136	0.50
340	VML	Vege Motors, Gurgaon	F2		6.5 KW	NA	NA	ARAI/MOEF/DGTA/VML-F2/2009-006	03/09/2009	8.33	0.19	0.25	0.171	0.33
341	M&M	Mahindra & Mahindra Ltd., Kandivili, Mumbai	F22	1225GM	14.7 KW	NA	NA	ARAI/MOEF/DGTA/M&M-F23/2009-007	05/22/2009	7.98	1.82	1.22	0.242	0.34
342	TEPL	Topland Eginas Pvt. Ltd.	F2	30WE	22 kW	NA	NA	ARAI/MOEF/DGTA/TEPL-F2/2009-008	05/04/2009	5.64	1.28	0.55	0.154	0.27

343	TEPL	Topland Engines Pvt. Ltd.	F1	15WE	11 kW	NA	NA	ARAI/MOEF/DGTA/TEPL-F1/2009-009	05/04/2009	5.97	1.31	0.41	0.269	0.30
344	M&M	Mahindra & Mahindra Ltd., Kandivili, Mumbai	F23	1125GR	8 KW	NA	NA	ARAI/MOEF/DGTA/M&M-F23/2009-010	22/May/2009	7.46	3.06	0.54	0.177	0.03
345	HUA	Shandong Weichai Huafeng Power Co. Ltd. China	F1	R3105D1-F	22 kW	NA	NA	ARAI/MOEF/DGTA/IMP/HUA-F1/2009-011	05/25/2011	8.03	3.45	1.08	0.164	0.17
346	HUA	Shandong Weichai Huafeng Power Co. Ltd. China	F2	R490D	18 kW	NA	NA	ARAI/MOEF/DGTA/IMP/HUA-F2/2009-012	05/25/2011	8.98	3.46	0.91	0.182	0.08
347	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F32	RB22	19.85 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F32/2009-013	05/25/2009	7.71	1.40	0.39	0.105	0.26
348	M&M	Mahindra & Mahindra Ltd., Kandivili, Mumbai	F18	2205LS GM	13.38 KW	NA	NA	ARAI/MOEF/DGTA/M&M-F18/2009-015	06/01/2009	7.35	1.72	0.49	0.174	0.38
349	SDEC	Shanghai Diesel Engines Co. Ltd.	F1	SC9D 280D	185 kW	SC8D 200D SC8D 220D SC8D 245D	132 kW 146 kW 163 kW	ARAI/MOEF/DGTA/IMP/SDEC-F1/2009-016	05/27/2009	6.01	0.37	0.27	0.131	0.20
350	SDEC	Shanghai Diesel Engines Co. Ltd.	F2	G128ZLD	187 kW	G128ZLD1 G128ZLD2 G128ZLD11	236 kW 206 kW 280 kW	ARAI/MOEF/DGTA/IMP/SDEC-F2/2009-017	27/May/2009	7.37	0.77	0.40	0.238	0.40
351	SDEC	Shanghai Diesel Engines Co. Ltd.	F3	SC11CB300D1	221 kW	SC11CB350DL	248 kW	ARAI/MOEF/DGTA/IMP/SDEC-F3/2009-018	27/May/2009	7.39	0.86	0.49	0.238	0.15
352	M&M	Mahindra & Mahindra Ltd., Kandivili, Mumbai	F25	64205GC	280 kW	63455GC	230 kW	ARAI/MOEF/DGTA/IMP/M&M-F25/2009-019	27/May/2009	8.64	0.74	0.46	0.211	0.20
353	HUA	Shandong Weichai Huafeng Power Co. Ltd. China	F3	R3105ZD1-F	32 kW	NA	NA	ARAI/MOEF/DGTA/IMP/HUA-F3/2009-020	06/11/2009	7.70	1.39	1.14	0.209	0.29
354	HUA	Shandong Weichai Huafeng Power Co. Ltd. China	F4	R3105ZD-P	32.5 kW	NA	NA	ARAI/MOEF/DGTA/IMP/HUA-F4/2009-021	06/11/2009	7.67	0.97	0.94	0.237	0.21
355	HUA	Shandong Weichai Huafeng Power Co. Ltd. China	F4	R3105ZD-P	32.5 kW	NA	NA	ARAI/MOEF/DGTA/IMP/HUA-F4/2009-021	06/11/2009	7.55	0.98	1.26	0.237	0.22
356	HUA	Shandong Weichai Huafeng Power Co. Ltd. China	F5	R6105ZLD1-P1	84 kW	NA	NA	ARAI/MOEF/DGTA/IMP/HUA-F5/2009-022	06/11/2009	7.85	0.90	0.84	0.102	0.09
357	HUA	Shandong Weichai Huafeng Power Co. Ltd. China	F5	R4105ZD1-P1	54.6 kW	NA	NA	ARAI/MOEF/DGTA/IMP/HUA-F5/2009-022	06/11/2009	8.17	0.96	0.76	0.178	0.50
358	HUA	Shandong Weichai Huafeng Power Co. Ltd. China	F6	R40151ZLD-P1	66 kW	NA	NA	ARAI/MOEF/DGTA/IMP/HUA-F6/2009-023	06/11/2009	6.86	0.68	0.63	0.186	0.06
359	HUA	Shandong Weichai Huafeng Power Co. Ltd. China	F7	R41081D-P1	44 kW	NA	NA	ARAI/MOEF/DGTA/IMP/HUA-F7/2009-024	06/11/2009	8.93	2.68	0.84	0.127	0.25
360	HUA	Shandong Weichai Huafeng Power Co. Ltd. China	F8	R6105ZLD1-P1	127 kW	R6105ZLD-P1	110 kW	ARAI/MOEF/DGTA/IMP/HUA-F8/2009-025	06/11/2009	6.93	0.53	0.52	0.115	0.13
361	HUA	Shandong Weichai Huafeng Power Co. Ltd. China	F9	R4105ZD1-P2	54.6 kW	NA	NA	ARAI/MOEF/DGTA/IMP/HUA-F9/2009-026	06/11/2009	8.30	1.04	1.01	0.165	0.62
362	HUA	Shandong Weichai Huafeng Power Co. Ltd. China	F10	R41051ZLD-P2	66 kW	NA	NA	ARAI/MOEF/DGTA/IMP/HUA-F10/2009-027	06/11/2009	7.30	1.04	0.94	0.161	0.20

363	IPGPL	Indo Power Generation	F1	4045HF158	100 kW	4045TF158 4045TF258 6068HF158 6068HF258 6068TF158 6068TF258	70 kW 83 kW 153 kW 183 kW 105 kW 120 kW	ARAI/MOEF/DGTA/IMP/IPGPL-F1/2009-030	06/24/2009	7.36	0.73	0.32	0.231	0.45
364	M&M	Mahindra & Mahindra Ltd., Kandivili, Mumbai	F4	4575GM	38.25 Kw	NA	NA	ARAI/MOEF/DGTA/M&M-F4/2009-031	06/24/2009	7.91	0.73	0.31	0.108	0.08
365	KECL	Kirloskar Electric Co. Ltd., Hubli	F10	4KSWITC110	84 kW	NA	NA	ARAI/MOEF/DGTA/KECL-F10/2009-032	07/15/2009	7.73	1.14	0.76	0.215	0.31
366	LIPL	Lombardini India Pvt. Ltd., Aurangabad	F13	WD12D320 E21	228 kW	NA	NA	ARAI/MOEF/DGTA/LIPL-F13/2009-033	06/11/2009	5.95	0.80	0.20	0.103	0.03
367	LIPL	Lombardini India Pvt. Ltd., Aurangabad	F11	WD10D260 E21	204.30 kW	NA	NA	ARAI/MOEF/DGTA/IMP/LIPL-F12/2009-034	06/11/2009	8.13	0.00	0.00	0.000	0.00
368	PECL	Perkins Engine Co. Ltd., UK	F2	402D-05	8.0 kW	403D-07	12.2 kW	ARAI/MOEF/DGTA/IMP/PECL-F2/2009-035	06/24/2009	3.50	2.33	0.68	0.259	0.45
369	ACME	ACME Telepower Ltd., Gurgaon	F1	402C-05	7 kW	NA	NA	ARAI/MOEF/DGTA/IMP/ACME-F1/2009-036	06/24/2009	4.83	3.18	1.08	0.225	0.28
370	IMEC	Indo Marine Engineering Co. Pvt. Ltd., Pune	F2	6081HF001 200	200 kW	6081HF001 260	260 kW	ARAI/MOEF/DGTA/IMP/IMEC-F2/2009-037	06/30/2009	7.89	0.98	0.64	0.236	0.10
371	GCLP	Greaves Cotton Ltd., Pune	F24	4G11TG1	61 kW	4G11TG2 3G11TG1 3G11TG2	69.4 kW 38.2 kW 43.4 kW	ARAI/MOEF/DGTA/GCLP-F24/2009-038	20/Aug/2009	7.00 8.37	1.16 0.56	0.29 0.09	0.231 0.119	0.22 0.15
372	GCLP	Greaves Cotton Ltd., Pune	F25	4G11TAG1	77.2 kW	4G11TAG2	93.4 kW	ARAI/MOEF/DGTA/GCLP-F25/2009-039	08/20/2009	7.28	0.56	0.09	0.119	0.12
373	GCLP	Greaves Cotton Ltd., Pune	F26	4G11NAP	42.3 kW	4G11NAG1 3G11NAG2 3G11NAG1 3G11NAP	38.2 kW 28.0 kW 24.3 kW 33.1 kW	ARAI/MOEF/DGTA/GCLP-F26/2009-040	08/20/2009	7.72	1.61	0.33	0.136	0.50
374	KECL	Kirloskar Electric Co. Ltd. Gokul Road, Hubli- 580030.	F20	6IKK135ZLD	187 kW	NA	NA	ARAI/MOEF/DGTA/KECL-F20/2010-001	16/Feb/2010	7.67	1.33	0.75	0.121	0.10
375	KECL	Kirloskar Electric Co. Ltd. Gokul Road, Hubli- 580030.	F21	6IKC120IZD2	236 kW	NA	NA	ARAI/MOEF/DGTA/KECL-F21/2010-002	16/Feb/2010	7.52	1.18	0.57	0.187	0.10
376	MIN	Minerva Diesel engines pvt.Ltd.-67, Foundry Nagar Agra-282006	F1	EMA10	7.36 KW	EMA9 EMA18 EMA20	6.62 kW 13.25 kW 14.72 kW	ARAI/MOEF/DGTA/MIN-F1/2010-003,	1/Feb/2010	7.17	2.02	0.52	0.2	0.22
377	SDEC	Shanghai Diesel Engine Co. Ltd., 2636 JunGong Road, Shanghai, China	F4	12V135AZLD	339 kW	NA	NA	ARAI/MOEF/IMP/DGTA/SDEC/F4/2010-004	16/Feb/2010	8.73	0.76	0.29	0.265	0.40
378	SDEC	Shanghai Diesel Engine Co. Ltd., 2636 JunGong Road, Shanghai, China	F5	12V135BZLD2	459 kW	NA	NA	ARAI/MOEF/IMP/DGTA/SDEC/F5/2010-005	16/Feb/2010	6.5	0.44	0.16	0.267	0.15
379	SDEC	Shanghai Diesel Engine Co. Ltd., 2636 JunGong Road, Shanghai, China	F6	12V135AZD	300 kW	NA	NA	ARAI/MOEF/IMP/DGTA/SDEC/F6/2010-006	16/Feb/2010	7.33	1.31	0.3	0.297	0.40
380	KECL	Kirloskar Electric Co. Ltd., Gokul Road, Hubli-580030, Karnataka	F23	12VKK135IAZLD	339 kW	NA	NA	ARAI/MOEF/DGTA/KECL-F23/2010-007	16/Feb/2010	8.73	0.76	0.29	0.265	0.40
381	KECL	Kirloskar Electric Co. Ltd., Gokul Road, Hubli-580030, Karnataka	F24	12VKK135IBZLD2	475 kW	NA	NA	ARAI/MOEF/DGTA/KECL-F24/2010-008	16/Feb/2010	6.5	0.44	0.16	0.267	0.15
382	LIPL	Lombardini India Pvt. Ltd., Plot No.:J 2/1, midc, Chikalthana, Aurangabad	F3	KDW 702	11 kW	KDW 1003 KDW 1404	16.5 kW 19 kW	ARAI/MOEF/DGTA/LIPL-F3/2010-009	1/Feb/2010	3.66	2.4	0.31	0.227	0.25
383	LIPL	Lombardini India Pvt. Ltd., Plot No.:J 2/1, MIDC, Chikalthana, Aurangabad	F3	KDW 702	11 kW	KDW 1003 KDW 1404	16.5 kW 19 kW	ARAI/MOEF/DGTA/IMP/LIPL-F3/2010-010	1/Feb/2010	3.66	2.4	0.31	0.227	0.25

384	CIUSA	Caterpillar Inc.100 NE Adams,Peoria,IL,USA.	F1	C-15-GS-1	495 kW	C-15GP-1 C-15-GS-2 C-15-GP-2 C15-GS-3 C15-GP-3 C15-GS-4 C15-GP-4 C15-GS-5 C15-GP-5	445 kW 463 kW 409.5 kW 416 kW 369 kW 388 kW 342 kW 375 kW 331 kW	ARAI/MOEF/DGTA/IMP/CIUSA/F1/2010-011	16/Feb/2010	4.61	1	0.05	0.114	0.14
385	PECL	Perkins Engines Company Ltd.Tixall Road,Stafford,S116 3UB	F3	4006-23TAG3AS	786 kW	4006-23TAG3AP 400623TAG2AS 4006-23TAG2AP	705 kW 721 kW 658 kW	ARAI/MOEF/IMP/DGTAPECL-F3/2010-012	19/Feb/2010	5.53	0.8	0.35	0.101	0.12
386	KECL	Kirloskar Electric Co. Ltd., Gokul Road, Hubli-580030, Karnataka	F22	12VKK135AZD	300 kW	NA	NA	ARAI/MOEF/DGTA/KECL/F22/2010-013	16/Feb/2010	7.33	1.31	0.3	0.297	0.40
387	LIPL	Lombardini India Pvt. Ltd., Plot No.: J 2/1,MIDC,Chikalthana,Aurangabad,(M	F15	25 KD 425-GSI	11 KW	NA	NA	ARAI/MOEF/IMP/DGTA/LIPL-F15/2010-014	16/Feb/2010	7.27	1.89	0.95	0.141	0.09
388	HUA	Shandong Weichai Huafeng Power Co. Ltd, China	F11	R2105D-F	17 kW	NA	NA	ARAI/MOEF/DGTA/IMP/HUA-F11/2010-015	19/Feb/2010	8.43	1.86	0.6	0.079	0.14
389	DEU	DEUTZ AG, Ottostr. 1, D-51149, Cologne, Germany	F3	BF4M2011	41.2 kW	NA	NA	ARAI/MOEF/DGTA/IMP/DEU-F3/2010-016	19/Mar/2010	5.91	2.01	0.36	0.141	0.68
390	DEU	DEUTZ AG, Ottostr. 1, D-51149, Cologne, Germany	F7	BF4M2011	41.2 kW	NA	NA	ARAI/MOEF/DGTA/IMP/DEU-F5/2010-017	19/Mar/2010	6.11	1.29	0.35	0.143	0.33
391	MVDE	MHI-VST DIESEL ENGINES PVT. LTD. Plot No. 305, Hebbal Industrial Area, Metagalii, Mysore-570 016	F2	L3E 15.1K30D01	15.1 kW	L3E 13.5K30D01 L3E 12.0K30D01 L3E 10.5K30D01	13.5 kW 12.0 kW 10.5 kW	ARAI/MOEF/DGTA/MVDE-F2/2010-018	23/Feb/2010	6.55	2.18	0.54	0.189	0.21
392	LIPL	Lombardini India Pvt. Ltd., Plot No.: J 2/1,MIDC,Chikalthana,Aurangabad,(M	F16	KDW 702-DCI	9.8 kW	KDW 1003 DCI KDW 1404 DCI	14.7 kW 19 kW	ARAI/MOEF/DGTA/LIPL/F16/2010-019	12/Mar/2010	4.24	2.08	0.47	0.27	0.34
393	LIPL	Lombardini Srl, Via Cav. A. Labor Lombardini,124 Reggio Emilia,Italy	F16	KDW 702-DCI	9.8 kW	KDW 1003 DCI KDW 1404 DCI	14.7 kW 19 kW	ARAI/MOEF/DGTA/IMP/LIPL/F16/2010-020	12/Mar/2010	4.24	2.08	0.47	0.27	0.34
394	CCPL	Cooper Corporation Pvt Ltd, ADDL MIDC,Satara,	F1	2A2D1C	16.1 KW	NA	NA	ARAI/MOEF/DGTA/CCPL-F1/2010-021	11/Mar/2010	7.71	1.54	0.47	0.07	0.04
395	CCPL	Cooper Corporation Pvt Ltd, ADDL MIDC,Satara,	F1	2A2D1C	16.1 KW	2A2D1C 19	18.8 kW	ARAI/MOEF/DGTA/CCPL-F1/2010-021- E1	16/Sep/2011	7.71	1.54	0.47	0.07	0.04
396	CCPL	Cooper Corporation Pvt Ltd, ADDL MIDC,Satara,	F2	2A2D1A	31.4 KW	NA	NA	ARAI/MOEF/DGTA/CCPL/F2/2010-022	11/Mar/2010	6.44	1.33	0.41	0.169	0.11
397	DEU	DEUTZ AG Ottostrasse 1, D-51149 Koln (Porz-Eil)Germany	F4	BF4M2012C	74.9 kW	NA	NA	ARAI/MoEF/DGTA/IMP/DEU-F4/2010-024	19/Mar/2010	6.91	0.52	0.14	0.058	0.05
398	BSAI	B.S.Agriculture Industries (India), 12/15 AA, Nawal Ganj, Agra - 282 006	F2	TF-98-II-A/C	7.36 KW	TF-98-II/DC-A/C	14.72 kW	ARAI/MOEF/DGTA/BSAI-F2/2010-060	30/Mar/2010	6.22	1.99	0.70	0.280	0.53
399	AVTEC	Avtec Limited, Sector-III, Sagore, Pithampur Industrial Area, Dist. Dhar (M.P.) 454 774	F2	2DE2-GEN	17 kW	NA	NA	ARAI/MOEF/DGTA/AVTEC-F2/2010-061	30/Mar/2010	6.51	0.82	0.27	0.179	0.53
400	PHL	Perfect House Pvt. Ltd. 6, Commerce House, 140, N.M. Rd., Fort, Mumbai - 400 001	F5	ZH186FA	5 kW	NA	NA	ARAI/MOEF/DGTA/IMP/PHL-F5/2010-062	10/May/2010	7.81	0.26	0.39	0.282	0.47
401	MHI	Prime Energy Pvt. Ltd., Surver No. 108/1, Village Kala, Silvassa, UT - 396 230	F5	S6R2-B1PTA-S	688 KW	NA	NA	ARAI/MOEF/DGTA/IMP/MHI-F5/2010-063	30/Mar/2010	8.39	1.06	0.642	0.187	0.46
402	M&M	Mahindra & Mahindra Ltd., (FES), Akurli Road, Kandivali (E), Mumbai -	F28	3315 GM	21.05 kW	NA	NA	ARAI/MOEF/DGTA/M&M-F28/2010-064	30/Apr/2010	7.77	1.27	0.57	0.213	0.27
403	PAEW	Paras Agro Engineering Works, D-91, MIDC Nagapur, Ahmednagar - 414111	F1	TM1	7.36 kW	TM2 TM9 TM18	14.72 kW 6.624 Kw 13.248 kW	ARAI/MOEF/DGTA/PAEW-F1/2010-065	2/Jun/2010	8.15	1.23	0.48	0.160	0.32
404	CILD	Cummins India Ltd., Low Horsepower Business Unit, 19-25A, Silver Industrial Estate, Bhimpore, Daman-396210 (India)	F23	X3.3G5	33 kW	NA	NA	ARAI/MOEF/DGTA/CILD-F23/2010-066	19/May/2010	8.13	1.57	0.35	0.110	0.21
405	KOEL	Kirloskar Oil Engines Limited, Khadki, Pune	F34	4R810 NA	30.9 kW	NA	NA	ARAI/MOEF/DGTA/KOELK-F34/2010-067	19/May/2010	7.97	1.55	0.39	0.086	0.27

406	KOEL	Kirloskar Oil Engines Limited, Khadki, Pune	F35	4R810NA-I	30.9 kW	NA	NA	ARAI/MOEF/DGTA/KOELK-F35/2010-068	19/May/2010	7.81	1.53	0.37	0.083	0.15
407	M&M	Mahindra & Mahindra Ltd., (FES), Akurli Road, Kandivali (E), Mumbai - 400101	F29	3385 TCI GM	25.77 kW	NA	NA	ARAI/MOEF/DGTA/M&M-F29/2011-069	2/Jan/2010	8.01	0.97	0.36	0.078	0.05
408	WWD	Weichai Weifang Dutz Engines Co. Ltd.	F4	WP6D175E22	129 kW	WP6D160E20 WP4D115E20	117 kW 85 kW	ARAI/MOEF/IMP/DGTA/WWD-F4/2010-070	9/Jun/2010	6.15	1.61	0.70	0.250	0.16
409	CCPL	Cooper Corporation Pvt Ltd, ADDL MIDC, Satara,	F3	2AIDIC	10.3 kW	NA	NA	ARAI/MOEF/DGTA/CCPL-F3/2010-071	14/Jun/2010	8.63	2.49	0.44	0.051	0.06
410	GCLP	Greaves Cotton Ltd., (DEU), Chinchwad, Pune 411 019	F31	43F	9 kW	NA	NA	ARAI/MOEF/DGTA/IMP/GCLP- F31/2010-072	21/Jun/2010	8.12	2.98	0.79	0.299	0.44
411	VOLVO	Volvo India Pvt. Limited, Yalachahally, Tavarekere Post, Hosakote Taluk, Bangalore	F7	TAD1344GE	354 kW	NA	NA	ARAI/MOEF/DGTA/IMP/VOLVO-F7/2010-073	28/Jun/2010	6.17	0.47	0.13	0.038	0.04
412	M&M	Mahindra & Mahindra Ltd., Akurli Road, Kandivali (E), Mumbai-400101	F31	12V5105GC	339 kW	NA	NA	ARAI/MOEF/DGTA/IMP/M&M-F31/2010-074	5/Jul/2010	8.73	0.76	0.29	0.265	0.40
413	M&M	Mahindra & Mahindra Ltd., Akurli Road, Kandivali (E), Mumbai-400101	F30	12V6905GC	459 kW	NA	NA	ARAI/MOEF/DGTA/IMP/M&M-F30/2010-075	5/Jul/2010	6.50	0.44	0.16	0.267	0.15
414	LIPL	Lombardini India Pvt. Ltd., Plot No.:J 2/1, midc, Chikalthana, Aurangabad	F17	KD440 DCI	5.3 KW	NA	NA	ARAI/MOEF/DGTA/LIPL-F17/2010-076	29/Jun/2010	7.90	0.96	0.52	0.218	0.24
415	M&M	Mahindra & Mahindra Ltd., Akurli Road, Kandivali (E), Mumbai-400101	F32	2255TC GM	16.7 kW	NA	NA	ARAI/MOEF/DGTA/M&M-F32/2010-077	5/Jul/2010	8.70	0.92	0.25	0.169	0.38
416	GCLP	Greaves Cotton Ltd., (D.E.U.), Chinchwad,Pune-19	F30	TBD3V6MK-II	230.2 kW	TBD3V8MK-II	291.3 KW	ARAI/MOEF/DGTA/GCLP-F30/2010-078	9/Aug/2010	8.35	0.75	0.19	0.155	0.26
417	DICL	Doosan Infracore Co. Ltd., 7-11, Hwasu-dong, Dong-gu, Incheon, Korea	F2	P158LE IN01	363 kW	P158LE IN02 P180LE IN01 P180LE IN02 P222LE IN01 P222LE IN02	414 kW 443 kW 496 kW 532 KW 574 kW	ARAI/MOEF/DGTA/IMP/DICL-F2/2010-079	3/Aug/2010	7.81	0.94	0.18	0.122	0.10
418	DICL	Doosan Infracore Co. Ltd., 7-11, Hwasu-dong, Dong-gu, Incheon, Korea	F1	P126TI IN01	241 kW	P126TI IN02	272 KW	ARAI/MOEF/DGTA/IMP/DICL-F1/2010-080	3/Aug/2010	6.67	0.52	0.36	0.148	0.17
										6.41	0.47	0.38	0.156	0.19
										5.98	0.47	0.39	0.122	0.17
										6.16	0.49	0.37	0.108	0.16
422	NAV	Navistar, Inc. 10400 W. North Ave. Melrose Park, IL 60160, USA	F1	GCB330A	246 KW	GCB300A	224 KW	ARAI/MOEF/DGTA/IMP/NAV-F1/2010-081	12/Aug/2010	5.21	0.81	0.06	0.180	0.33
423	NAV	Navistar, Inc. 10400 W. North Ave. Melrose Park, IL 60160, USA	F2	GCB325A	242 KW	NA	NA	ARAI/MOEF/DGTA/IMP/NAV-F2/2010-082	12/Aug/2010	5.34	0.61	0.08	0.104	0.52
424	VOLVO	Volvo India Pvt. Limited Yalachahalli, Tavarekere Post, Hosakote, Bangalore	F8	TAD 1343 GE	325 kW	TAD 1341 GE TAD 1342 GE	271 kW 303 kW	ARAI/MOEF/DGTA/IMP/VOLVO-F8/2010-083	19/Aug/2010	6.28	0.52	0.21	0.046	0.03
425	DEIPL	Deutz (Dalian) Engine Co., Ltd., No-49 DangBei Road, Sha Hekou District, Dalian, China	F6	BF6M1013FC	201 kW	BF4M1013FC BF4M1013EC BF6M1013EC	102 kW 129 KW 153 kW	ARAI/MoEF/IMP/DGTA/DEIPL-F6/2010-084	20/Sep/2010	5.79	0.44	0.30	0.069	0.07
426	KOEL	Kirloskar Oil Engines Limited, Khadki, Pune	F34	4R810NA	30.9 kW	NA	NA	ARAI / MOEF / DGTA / KOELK - F34 / 2010-085	30/Aug/2010	8.25	1.31	0.39	0.111	0.30
427	MNEPL	Mahindra Navistar Engines Pvt. Ltd., Pune	F2	S12-I (160 KVA)	146.13 kW	S12-II ( 140 KVA) S12-III ( 125KVA )	128.74 kW 114.7 kW	ARAI/MoEF/DGTA/MNEPL- F2/2010-086	23/Sep/2010	7.87	0.41	0.17	0.073	0.07
428	M&M	Mahindra & Mahindra Ltd., Farm Division, Kandivali (E), Mumbai-400101	F33	41145 GM	76.5 kW	NA	NA	ARAI/MoEF/DGTA/M&M/F33/2010-087	14/Oct/2010	8.61	0.51	0.43	0.080	0.04
429	CILD	Cummins India Ltd., (Low Horse Power) Power Generation Business Unit, 19-25A, Silver Industrial Estate, Bhimpore, Daman-396210	F3	X1.7G1	14.92 kW	X1.7G5	14.92 kW	ARAI/MoEF/DGTA/CILD-F3/2010-088	10/Nov/2010	8.10 8.58	1.52 1.85	0.32 0.39	0.093 0.111	0.15 0.27
430	CILD	Cummins India Ltd., Power Generation Business Unit, 19-25A, Silver Industrial Estate, Bhimpore, Daman-396210	F18	6BTAA5.9-G3	115 kW	6BTAA5.9-G4	127 KW	ARAI/MoEF/DGTA/CILD-F18/2010-089	1/Dec/2010	7.05	0.81	0.35	0.216	0.56
431	SCL	Simpson and Co. Ltd., 861/862, Anna Salai, Mount Road, Chennai-60002	F7	ST440G	55.13 kW	NA	NA	ARAI/MoEF/DGTA/SCL-F7/2010-090	13/Dec/2010	8.16	1.42	0.68	0.236	0.29
432	SEL	Yuchai Machinery Co. Ltd. 88, Tianqiao West Road, Yulin, Guangxi,	F3	YC6108D	60 kW	NA	NA	ARAI/MoEF/DGTA/IMP/SEL-F3/2010-091	21/Jan/2011	8.38	1.51	0.58	0.077	0.14

433	PMD	P.M.Diesel Pvt. Ltd., Aji Industrial Estate 1003, 80Ft Rajkot	F2	FMT790	17.7 kW	NA	NA	ARAI/MoEF/DGTA/PMD/F2 /2010-092	10/Jan/2011	6.65	1.45	0.56	0.25	0.32
434	MNEPL	Yuchai Machinery Co. Ltd. 88, Tianqiao West Road, Yulin, Guangxi,	F8	YC6B155L-D20	112 kW	NA	NA	ARAI/MoEF/DGTA/IMP/SEL-F8/2010-093	21/Jan/2011	6.63	0.70	0.28	0.168	0.38
435	MNEPL	Mahindra Navistar Engines Pvt. Ltd., Pune	F3	SE12-II (200 KVA)	180 kW	SE12-I (180 KVA)	163 kW	ARAI/MoEF/DGTA/MNEPL- F3/2010-094	29/Dec/2010	8.49	0.45	0.12	0.034	0.01
436	SNM	Shree NM Electrcrais Ltd., 45/47 Lohar Chawl, Mumbai - 400 072	F3	ZH2105D1-P	16 kW	NA	NA	ARAI/MoEF/DGTA/IMP/SNM-F3/2010-095	10/Jan/2011	8.81	1.71	0.87	0.240	0.52
437	SNM	Shree NM Electrcrais Ltd., 45/47 Lohar Chawl, Mumbai - 400 072	F1	R3105ZD	30 kW	NA	NA	ARAI/MoEF/DGTA/IMP/SNM-F1/2010-096	10/Jan/2011	5.07	1.94	1.07	0.197	0.26
438	SNM	Shree NM Electrcrais Ltd., 45/47 Lohar Chawl, Mumbai - 400 072	F2	ZH3102D1-P	22 kW	NA	NA	ARAI/MoEF/DGTA/IMP/SNM-F2/2010-097	10/Jan/2011	8.22	1.54	0.65	0.178	0.50
439	MTU	MTU Friedrichshafen GmbH, Nussdorferstrasse 88662 Uberlingen Germany	F3	12V1600G80F	634 kW	8V1600 G10F 8V1600 G20F 8V1600 G70F 8V1600 G80F 10V1600 G10F 10V1600 G20F 10V1600 G70F 10V1600 G80F 12V1600 G10F 12V1600 G20F 12V1600 G70F	325 kW 358 kW 358 kW 301 kW 407 kW 448 kW 448 kW 493 kW 524 kW 576 kW 576 kW	ARAI/MoEF/IMP/DGTA/MTU-F3/2010-098	10/Jan/2011	5.80	1.04	0.21	0.119	0.06
440	MTU	MTU Friedrichshafen GmbH, Nussdorferstrasse 88662 Uberlingen Germany	F4	6R1600 G10F	249 kW	6R1600 G20F 6R1600 G70F 6R1600 G80F	274 kW 274 kW 301 kW	ARAI/MoEF/IMP/DGTA/MTU-F4/2010-099	10/Jan/2011	6.29	1.23	0.29	0.251	0.09
441	MNEPL	Mahindra Navistar Engines Pvt. Ltd., Plot # A-1/1, Chakan Industrial area, Village Nigoje, Taluka -Khed, Chakan, Pune-410501, Maharashtra.	F4	S12- V (200KVA)	180 kW	S12- IV (180KVA)	163 kW	ARAI/MoEF/DGTA/MNEPL-F4/2010-100	29/Dec/2010	6.09	0.49	0.11	0.076	0.05
442	KOEL	Kiroloskar Oil Engines Ltd. Khadki, Pune-411003	F23	DV10,	448 kW	DV8 DV12	360 Kw 532 kW	ARAI/MoEF/DGTA/KOELK-F23/2010-101	3/Feb/2011	7.93	0.30	0.07	0.072	0.03
443	KOEL			DV8SR1	294 kW	DV8SR1	294 kW		3/Feb/2011	7.67	0.39	0.13	0.104	0.03
444	KOEL	Kiroloskar Oil Engines Ltd. Khadki, Pune-411003	F36	DV10SR1	460 kW	DV12SR1	552 kW	ARAI/MoEF/DGTA/KOELK-F36/2010-102	17/Jan/2011	6.98	0.37	0.08	0.119	0.07
445	SEL	Yuchai Machinery Co. Ltd. 88, Tianqiao West Road, Yulin, Guangxi, P.R.C. China	F2	YC6108ZD	84 kW	YC4108ZD	50 kW	ARAI/MoEF/DGTA/IMP/SEL-F2/2010-103,	21/Jan/2011	8.15	0.71	0.36	0.103	0.24
446	GCLP	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune 411 019	F32	4G11TW1	77.2 kW	NA	NA	ARAI/MoEF/DGTA/GCLP- F32/2011-001	29-Feb-2011	8.74	0.52	0.22	0.182	0.06
447	PECL	Perkins Engines Company Ltd., Eastfield, Peterborough, PE15NA	F4	1306C-E87 TAG6	246 kW	1306C-E87 TAG4	224 kW	ARAI/MoEF/DGTA/IMP/PECL-F4/2011-002	3/Feb/2011	5.21	0.81	0.06	0.18	0.33
448	PECL	Perkins Engines Company Ltd., Eastfield, Peterborough, PE15NA	F8	1103C-33G3	31 kW	NA	NA	ARAI/MoEF/DGTA/IMP/PECL-F8/2011-003	25/Feb/2011	6.97	1.15	0.33	0.115	0.29
449	CIL	Cummins India Ltd., Low Horsepower Business Unit, 19-25A, Silver Industrial Estate, Bhimpore, Daman-396210 (India)	F5	6BT5.9G1	78 kW	NA	NA	ARAI / MoEF / DGTA / CILP - F5 / 2011-004	23/Feb/2011	6.06	1.51	0.63	0.24	0.64
450	M&M	Mahindra & Mahindra Ltd., FES, Engine Application Business, Plot No.25M, Village- Kharbwadi, Chakan, Pune.	F23	1125 GR	8.08 kW	NA	NA	ARAI/MoEF/DGTA/M&M-F23/2011-006	10/Mar/2011	7.46	3.06	0.54	0.177	0.03
451	CCPL	Cooper Corporation Pvt Ltd, Add. MIDC, Satara	F2	2A2D1A	31.4 kW	2A2D1A-35	34.5 KW	ARAI/MoEF/DGTA/CCPL/F2/2011-009	10/Mar/2011	6.44	1.33	0.41	0.169	0.11
452	GCLP	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune 411 019	F33	2YWA-MK5	15 kW	NA	NA	ARAI/MoEF/DGTA/GCLP- F33/2011-010	20/Jul/2011	8.7	3.41	0.8	0.142	0.03
453	M&M	Mahindra & Mahindra Ltd., (FES), Akurli Road, Kandivali (E), Mumbai - 400101	F36	3255GM-C2	16.7 kW	NA	NA	ARAI/MoEF/DGTA/M&M-F36/2011-011	24/Mar/2011	6.38	1.84	0.43	0.109	0.19
454	VECV	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F1	EE483TCI	59 kW	NA	NA	ARAI/MoEF/DGTA/VECVL-F1/2011-012	23/Mar/2011	6.83	0.84	0.37	0.12	0.17
455	DEIPL	DEUTZ AG Ottostrasse 1, D-51149 Koln (Porz-Eil)/Germany	F7	TCD 2013 L064 V	227 kW	NA	NA	ARAI/MoEF/IMP/DGTA/DEIPL-F7/2011-014	26/Mar/2011	5.28	0.48	0.11	0.077	0.01

456	PECL	Perkins Shibauro Engines Ltd., East Field Peterborough, PE1 5NA, UK	F5	404D-22G	18.9 kW	NA	NA	ARAI/MoEF/DGTA/IMP/PECL-F5/2011-015	16/May/2011	5.33	0.86	0.29	0.113	0.22
457	VOLVO	AB VOLVO PENTA, SE40508, GOTHENBURG, SWEDEN	F9	TAD1642GE	504 kW	TAD1641GE	430 kW	ARAI/MOEF/DGTA/IMP/VOLVO- F9/2011-016	2/May/2011	5.98	0.78	0.1	0.066	0.11
458	MCSP	Mak Controls and Systems Pvt. Ltd., 7/41-B, Avinashi Road, Coimbatore-	F7	BF4M1013FC	117 KW	BF6M1013FC	187 KW	ARAI/MoEF/DGTA/IMP/MCSP-F7/2011-017	2/May/2011	4.94	0.78	0.43	0.087	0.06
459	MVDE	MHI-VST DIESEL ENGINES PVT. LTD. Plot No. 305, Hebbal Industrial Area, Metagalli, Mysore-570 016	F5	MVL2E-6A 10.1G01	10.1 kW	NA	NA	ARAI/MoEF/DGTA/MVDE-F5/2011-018,	21/May/2011	6.49	3.12	0.73	0.234	0.40
460	DKPS	KUBOTA Corporation 1-2-47 Shikitsu-higashi, Naniwa-ku, Osaka 556-8601, Japan	F1	D902	15.1 kW	Z602	8.8 kW	ARAI/MoEF/DGTA/IMP/DKPS-F1/2011/019	20/Jun/2011	5.43	1.21	0.27	0.197	0.374
461	DKPS	KUBOTA Corporation 1-2-47 Shikitsu-higashi, Naniwa-ku, Osaka 556-8601, Japan	F2	Z482	6.8 kW	D722	10.6 kW	ARAI/MoEF/DGTA/IMP/DKPS-F2/2011/020	20/Jun/2011	6.17	2.45	0.54	0.273	0.329
462	DKPS	KUBOTA Corporation 1-2-47 Shikitsu-higashi, Naniwa-ku, Osaka 556-8601,	F3	EA300	5.1 kW	NA	NA	ARAI/MoEF/DGTA/IMP/DKPS-F3/2011/021	20/Jun/2011	4.83	3.36	0.46	0.199	0.20
463	SDEC	Shanghai Diesel Engine Co. Ltd., 2636 JunGong Road, Shanghai,	F7	SC5D145D	95 kW	NA	NA	ARAI/MoEF/DGTA/IMP/SDEC-F7/2011-022	27/Jul/2011	6.73	0.53	0.41	0.11	0.06
464	SDEC	Shanghai Diesel Engine Co. Ltd., 2636 JunGong Road, Shanghai, China	F8	SC9D280D	185 kW	SC8D200D SC8D220D SC9D245D	132 kW 146 kW 163 kW	ARAI/MoEF/IMP/DGTA/SDEC/F8/2011-023	2/Jun/2011	7.08	0.57	0.35	0.048	0.05
465	KECL	Kirloskar Electric Company Limited, Unit 14, Gokul Road, Hubli 580030	F4	6KSWITC113	155 kW	NA	NA	ARAI/MoEF/DGTA/KECL-F4/2011-025	28/Jun/2011	8.64	0.9	0.45	0.189	0.47
466	AVTEC	Avtec Limited, Sector-III, Sagore, Pithampur Industrial Area, Dist. Dhar (M.P.) 454 774	F2	2DE2-GEN	16.5 kW	NA	NA	ARAI/MoEF/DGTA/AVTEC-F2/2011-026	25/Aug/2011	3.92	1.48	0.65	0.108	0.15
467	ALL	Ashok Leyland Ltd., Chennai	F21	AL 485TA G4	33 kW	AL 485TA G3	26 kW	ARAI/MoEF/DGTA/ALL-F21/2011-027	22/Jun/2011	8.00	0.84	0.37	0.144	0.27
468	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India	F21	62805 GC	185 kW	61985 GC 62205 GC	132 kW 146 kW	ARAI/MoEF/IMP/DGTA/M&M-F21/2011-028	13/Jul/2011	7.08	0.57	0.35	0.05	0.05
469	KECL	Kirloskar Electric Company Limited, Unit 14, Gokul Road, Hubli 580030	F25	6IKK135ZLD1	236 kW	NA	NA	ARAI/MoEF/DGTA/IMP/KECL-F25/2011-030	22/Jul/2011	8.95	0.71	0.58	0.077	0.10
471	ALL	Ashok Leyland Limited, Ennore, Tamilnadu Ashok Leyland Limited, Hosur, Tamilnadu Ashok Leyland Limited, Pant Nagar, Uttarakhand	F18	AL6DTI G2	114 kW	NA	NA	ARAI/MoEF/DGTA/ALL/F18/2011-031	13/Jul/2011	6.75 7.43	0.47 0.71	0.09 0.18	0.107 0.099	0.10 0.15
475	GCLP	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune 411 019	F33	2YWA-MK5	15 kW	NA	NA	ARAI/MoEF/DGTA/GCLP- F33/2011-032	20/Jul/2011	8.70	3.41	0.80	0.142	0.03
476	CEL	Continental Engines Ltd., Engines & Vehicles SBU, 240-241, Udyog Vihar, Phase IV, Gurgaon (Haryana)	F3	288G	14 kW	288GD1 288GD2	11.5 kW 8.8 kW	ARAI/MoEF/DGTA/CEL-F3/2011/033	14/Jul/2011	8.57	0.08	0.21	0.155	0.19
477	DEU	DEUTZ AG Otto Str. 1, D-51149 Cologne, Germany	F10	BF8M1015CP	490 kW	BF6M1015CP	365 kW	ARAI/MoEF/DGTA/IMP/DEU-F10/2011-034,	27/Jul/2011	5.61	0.69	0.17	0.103	0.12
479	DEU	DEUTZ AG Otto Str. 1, D-51149 Cologne, Germany	F11	BF8M1015CP	459 kW	BF8M1015C BF6M1015C BF6M1015C	418 kW 214 kW 345 kW	ARAI/MoEF/DGTA/IMP/DEU-F10/2011-035	27/Jul/2011	5.65	0.60	0.19	0.085	0.07
480	MNEPL	Mahindra Navistar Engines Pvt. Ltd., Pune	F5	X12-14-125KVA-Mech	112.5 kW	X12-14-100 KVA-Mech X12-14-82.5 KVA-Mech X12-14-75 KVA-Mech	90 kW 74.25 kW 67.5 kW	ARAI/MoEF/DGTA/MNEPL-F5/2011-036	29/Sep/2011	8.64	0.70	0.4	0.091	0.13
481	DEIPL	DEUTZ AG Otto Str. 1, D-51149 Cologne, Germany	F8	BF4M2011C	56 kW	NA	NA	ARAI/MoEF/IMP/DGTA/DEIPL-F8/2011-037	19/Sep/2011	6.33	1.01	0.21	0.196	0.47
489	KECL	Kirloskar Electric Company Limited, Unit 14, Gokul Road, Hubli 580030	F12	6KSWTC105	84 kW	NA	NA	ARAI/MoEF/DGTA/KECL-F12/2011-038	29/Aug/2011	8.13	0.96	0.80	0.113	0.12
490	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India	F14	41425 GC	95 kW	NA	NA	ARAI/MoEF/DGTA/IMP/M&M-F14/2011-039	29/Sep/2011	6.73	0.53	0.41	0.11	0.06
491	GBMCL	Godrej & Boyce Mfg.Co.Ltd. Pirojshanagar,Vikhroli, Mumbai-	F2	Z482	6.8 kW	D 722	10.6 kW	ARAI/MoEF/DGTA/IMP/GBMCL-F2/2011/040	7/Sep/2011	6.17	2.45	0.54	0.273	0.33



492	ALL	Ashok Leyland Limited, Ennore, Tamilnadu Ashok Leyland Limited, Hosur, Tamilnadu Ashok Leyland Limited, Pant Nagar, Uttarakhand	F23	AL6DTI G4	146 kW	AL6DTI G3	128 kW	ARAI/MoEF/DGTA/ALL-F23/2011-042	19/Oct/2011	5.68	0.57	0.07	0.129	0.30
493	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F37	4K1080TA1	114.7 kW	NA	NA	ARAI/MoEF/DGTA/KOEL-F37/2011-043	29/Sep/2011	6.93	0.97	0.46	0.181	0.33
494	EGPL	Empower Gensets Pvt Ltd., Survey No. 36/1, Pisoli Road, Pisoli, Taluka Haveli, Distric Pune - 411028, India.	F2	BF6M1013FC	166 kW	BF4M1013FC	106 kW	ARAI/MoEF/DGTA/IMP/EGPL-F2/2011-044	29/Sep/2011	4.89	0.64	0.37	0.069	0.050
495	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F23	DV8SR1	294 kW	DV8 DV12 DV10 DV8SR2	360 kW 532 kW 346 kW 448 kW	ARAI/MoEF/DGTA/KOELK-F23/2010-101-E1	19/Oct/2011	7.93	0.30	0.07	0.072	0.03
										7.67	0.39	0.13	0.104	0.03
496	GCLP	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F22	TBD4L4, TBD4IV6P	148.6 kW 245.65 kW	TBD4V6 TBD4V8 TBD4V12 TBD4IV6 TBD4 IV12P	222.86 kW 292.73 kW 444 kW 222.86 kW 488 kW	ARAI/MOEF/DGTA/GCLP-F22/2007-24	2/Jul/2007	6.36	0.68	0.24	0.179	0.24
										6.88	0.73	0.28	0.133	0.16
497	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India	F17	41225 GC	82 kW	NA	NA	ARAI/MOEF/DGTA/IMP/M&M-F17/2008-012-E2	16/Feb/2011	6.68	0.83	0.58	0.12	0.08
498	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F38	3R1040 SR1	29.4 kW	NA	NA	ARAI/MOEF/DGTA/KOEL-F38/2012-001	1/Feb/2012	8.35	1.36	0.65	0.148	0.20
499	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India	F34	61140 GM	76.5 kW	NA	NA	ARAI/MOEF/DGTA/M&M/F34/2012-002	29/Feb/2012	8.26	0.85	0.52	0.058	0.04
500	DEL	Doing Electric (Fujian) Co. Ltd., No. 1, Dayangdang, Qinxiyang, Fuan, Fujian, China	F1	DJ186FA	5.7 kW	NA	NA	ARAI/MoEF/DGTA/IMP/DEL-F1/2012/004	29/Feb/2012	6.51	0.53	0.21	0.25	0.537
501	EGPL	DEUTZ AG Ottostrasse 1, D-51149 Koln (Porz-Eil)/ Germany	F9	BF4L914	56.9 kW	NA	NA	ARAI/MoEF/DGTA/IMP/EGPL-F9/2012-005	15/Mar/2012	7.38	3.36	0.57	0.196	0.65
502	CCPL	Cooper Corporation Pvt Ltd., MIDC, Satara	F5	6B2D1C 125	125 kW	NA	NA	ARAI/MOEF/DGTA/CCPL-F5/2012-006	29/Mar/2012	7.56	0.53	0.16	0.13	0.03
503	CCPL	Cooper Corporation Pvt Ltd., MIDC, Satara	F4	6B2D1C 170	170 kW	NA	NA	ARAI/MOEF/DGTA/CCPL-F4/2012-007	29/Mar/2012	8.4	0.38	0.14	0.122	0.05
504	VECV	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F2	EE683TCI	77 kW	NA	NA	ARAI/MoEF/DGTA/VECVL-F2/2012-008	29/Mar/2012	7.94	1.08	0.6	0.078	0.06
505	GFL	Gujarat Forgings Limited, Post Box-1004, Ajit Industrial Area, Rajkot	F1	EW 25	18.6 kW	NA	NA	ARAI/MoEF/DGTA/GFL-F1/2012-009	31/Mar/2012	6.21	1.38	0.24	0.246	0.44
506	KOEL	Kirloskar Oil Engines Ltd. Khadki, Pune	F39	CC418	5.5 kW	NA	NA	ARAI/MOEF/DGTA/KOELK-F39/2012-010	1/May/2012	7.57	2.36	0.66	0.16	0.33
507	GCLP	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F22	TBD4V12	444 kW	TBD4I V12 kW	444 kW	ARAI/MoEF/DGTA/GCLP-F22/2012-011	11/May/2012	7.97	0.62	0.21	0.097	0.16
508	MCSP	Mak Controls and Systems Pvt. Ltd., 7/41-B, Avinashi Road, Coimbatore-641 014	F10	TCD2013L062V	191 kW	NA	NA	ARAI/MoEF/DGTA/IMP/MCSP-F10/2012-12	30/Apr/2012	3.16	0.47	0.16	0.113	0.13
509	MTU	MTU India Pvt. Ltd., 159/1, Tathawade, Pune-Mumbai Highway, Pune 411033	F3	12V1600G80F	634 kW	8V1600G10F 8V1600G20F 8V1600G70F 8V1600G80F 10V1600G10F 10V1600G20F 10V1600G70F 10V1600G80F 12V1600G10F 12V1600G20F 12V1600G70F	325 kW 358 kW 358 kW 394 kW 407 kW 448 kW 448 kW 493 kW 524 kW 576 kW 576 kW	ARAI/MoEF/IMP/DGTA/MTU-F3/2010-098-E2	31/May/2012	5.8	1.03	0.21	0.119	0.06
510	GFL	Gujarat Forgings Limited, Post Box-1004, Ajit Industrial Area, Rajkot	F2	EA 8B	9.7 kW	NA	NA	ARAI/MoEF/DGTA/GFL-F2/2012-013	28/May/2012	5.85	1.62	0.29	0.233	0.37
511	VOLVO	AB VOLVO PENTA, SE40508, GOTHENBURG, SWEDEN	F10	TWD 1643 GE	553 kW	NA	NA	ARAI/MOEF/DGTA/IMP/VOLVO- F10/2012-014	13/Jun/2012	6.65	0.32	0.09	0.035	0.05

512	VECV	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F3	EE483TC 50KVA	48 kW	EE483TC 40KVA	38 kW	ARAI/MoEF/DGTA/VECVL-F3/2012-015	29/Jun/2012	8.05	0.93	0.53	0.095	0.218
513	KOEL	Kirloskar Oil Engines Ltd., Khadki, Pune	F10	DV6ITA SRI	284 kW	DV6ITA DV6ITASRII	241 kW 272 kW	ARAI/MOEF/DGTA/IMP/KOEL-F10/2004-026-E2	18/Jun/2012	8.04	0.55	0.22	0.163	0.31
514	MVDE	MHI-VST DIESEL ENGINES PVT. LTD., Plot No. 305, Hebbal Industrial area, Mysore-570016	F1	MV L2E 10.1K30D01	10.1 kW	MV L2E 9.5k30D01 MV L2E 9.0k30D01 MV L2E 8.5k30D01 MV L2E 8.0k30D01 MV L2E 7.5k30D01 MV L2E 7.0k30D01	9.5 kW 8.5 kW 8.0 kW 7.5 kW	ARAI/MOEF/DGTA/MVDE-F1/2008-039-E1	25/Jun/2012	8.44	1.99	0.46	0.271	0.28
515	MVDE	MHI-VST DIESEL ENGINES PVT. LTD. Plot No. 305, Hebbal Industrial Area, Metagalli, Mysore-570 016	F2	MV L3E 15.1K30D01	15.1 KW	MV L3E 13.5K30D01 MV L3E 12.0K30D01 MV L3E 10.5K30D01	13.5 kW 12 kW 10.5 kW	ARAI/MOEF/DGTA/MVDE-F2/2010-018-E1	25/Jun/2012	6.55	2.18	0.54	0.189	0.21
516	MVDE	MHI-VST DIESEL ENGINES PVT. LTD., Plot No. 305, Hebbal Industrial Area, Metagalli, Mysore-570016	F3	MV S3L2 21.8G01	21.8 KW	NA	NA	ARAI/MOEF/DGTA/MVDE- F3/2012-016	25/Jun/2012	6.71	1.67	0.45	0.201	0.15
517	MVDE	MHI-VST DIESEL ENGINES PVT. LTD., Plot No. 305, Hebbal Industrial Area, Metagalli, Mysore-570016	F4	MV S4L2 29.8G01	29.8 KW	NA	NA	ARAI/MOEF/DGTA/MVDE- F4/2012-017	25/Jun/2012	6.75	1.71	0.38	0.211	0.13
518	DEU	Deutz AG, Germany Ottostrasse 1, D-51149 Koln (Porz-Eil) /Germany	F2	F4L2011	26.4 kW	NA	NA	ARAI/MoEF/DGTA/IMP/DEU-F2/2008-031-E1	18/Jun/2012	5.25	1.57	0.61	0.098	0.17
519	HUA	Shandong Weichai Huafeng Power Co. Ltd., Gaoxin Building, Yuqing East Street, Gaoxin District, Weifang, Shandong, China	F12	XR2105D-F	19.2 kW	NA	NA	ARAI/MoEF/DGTA/IMP/HUA-F12/2012-19	19/Jun/2012	9.00	2.04	1.13	0.247	0.62
520	PMD	P.M DIESELS Pvt. Ltd., Aji Industrial Estate, Rajkot-360003	F2	1125 GR	8.1 kW	NA	NA	ARAI/MoEF/DGTA/PMD-F2/2012-021	10/Jan/2012	7.37	1.5	0.38	0.11	0.18
521	AVTEC	AVTEC Ltd., Sector III, Pithampur, Sagore, Dist. Dhar (M.P.) 454774	F3	2DE2-GEN30	29 kW	NA	NA	ARAI/MoEF/DGTA/AVTEC-F3/2012-022	22/Aug/2012	6.42	1.8	0.45	0.221	0.05
522	CCPL	Cooper Corporation Pvt Ltd,MIDC,Satara	F4	6B2D1C170 3B2D1C85	170 kW 85 kW	6B2D1C150 4B2D1C113 4B2D1C100 3B2D1C75	150 kW 100 kW 113 kW 75 kW	ARAI/MoEF/DGTA/CCPL-F4/2012-023	28/Aug/2012	7.29	0.71	0.1	0.238	0.11
										8.40	0.38	0.1	0.122	0.05
523	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F39	CC418	5.50 kW	CC418	5.50 kW	ARAI/MoEF/DGTA/KOEL-F39/2012-010-E1	4/Sep/2012	7.44	2.78	0.77	0.13	0.37
524	CIL	Cummins India Ltd. Kothrud, Pune 411038	F31	QSN14-G3	396 kW	QSN14-G1 QSN14-G2 QSN14-G4 QSN14-G5	334kW 363kW 319kW 346kW	ARAI/MoEF/DGTA-II/CILP-F31/2012-024	3/Oct/2012	3.56	0.68	0.34	0.11	0.01
525	MCSP	Mak Controls and Systems Pvt. Ltd., 7/41-B, Avinashi Road, Coimbatore-641 014	F1	LDW2204 GSE	36.6 kW	NA	NA	ARAI/MoEF/DGTA/IMP/MCSP-F1/2012-025	21/Sep/2012	6.90	1.57	0.50	0.22	0.14
526	MCSP	Mak Controls and Systems Pvt. Ltd., 7/41-B, Avinashi Road, Coimbatore-641 014	F2	LDW2204 T	46 kW	NA	NA	ARAI/MoEF/DGTA/IMP/MCSP-F2/2012-034	13/Dec/2012	7.12	1.02	0.19	0.24	0.08
527	CIL	Cummins India Ltd. Kothrud, Pune 411038	F33	QSK19-G7-S	618 kW	QSK19-G6-P QSK19-G6-S QSK19-G7-P	531kW 583kW 564kW	ARAI/MoEF/DGTA-II/CILP-F33/2012-026	5/Oct/2012	3.82	1.14	0.09	0.10	0.00
528	VECV	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F2	EE683TCI 100 KVA	94 .1 kW	EE683TCI 82.5 KVA	77 kW	ARAI/MoEF/DGTA/VECVL-F2/2012-027	11/Oct/2012	6.93	0.87	0.47	0.074	0.04
529	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India	F63	61375 GM-C2	91.6 kW	NA	NA	ARAI/MOEF/DGTA-II/M&M-F63/2012-028	15/Oct/2012	3.3	0.87	0.16	0.138	0.25
530	CIL	Cummins India Ltd. Kothrud, Pune 411038	F32	QSL9-G7	300 kW	QSL9-G7.1 QSL9-G7.2 QSL9-G7.3	271kW 257kW 235kW	ARAI/MoEF/DGTA-II/CILP-F32/2012-029	27/Nov/2012	3.51	1.42	0.17	0.084	0.03

531	LIPL	Lombardini India Pvt. Ltd., A KOHLER Company, Plot No.:J 2/1, MIDC, Chikalthana, Aurangabad, Maharashtra.	F18	KD440	6.1 kW	NA	NA	ARAI/MoEF/DGTA-II/LIPL-F18/2012-033	29/Jun/2012	6.41	1.15	0.61	0.169	0.37
532	MCSP	Mak Controls and Systems Pvt. Ltd., 7/41-B, Avinashi Road, Civil Aerodrome Post, Coimbatore-641 014	F2	LDW2204 T	46 kW	NA	NA	ARAI/MoEF/DGTA/IMP/MCSP-F2/2012-034	13/Dec/2012	7.12	1.02	0.19	0.241	0.08
533	VECV	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F4	EE483TCI 62.5kVA	59 kW	EE483TCI 50kVA	48 kW	ARAI/MoEF/DGTA-II/VECV-F4/2012-035	3/Jan/2012	4.03	0.73	0.39	0.151	0.02
534	GCLP	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F28	4G11TAG3	114 kW	6G11TAG1 6G11TAG2	127.2 kW 144.5 KW	ARAI/MoEF/DGTA/GCLP-F28/2009-063-E1	2/Jan/2013	7.77	0.4	0.17	0.086	0.16
				6G11TAG3	163 kW					7.16	0.68	0.16	0.241	0.29
535	SKL	SKL (India) Pvt. Ltd. 2117, Wing 'C', Oberoi Garden Estates, Chandivali, Andheri (E)	F5	4M41	51.6 Kw	NA	NA	ARAI/MoEF/DGTA/IMP/SKL-F5/2012-036	4/Jan/2013	6.48	2.24	0.59	0.262	0.26
536	CIL	Cummins India Ltd. Kothrud, Pune 411038	F40	QSB 5.9 -G2	153.6 kW	QSB 5.9 -G1 QSB 5.9 -G3	137.2kW 124.5kW	ARAI/MoEF/DGTA-II/CILP-F40/2013-001	17/Jan/2013	3.67	1.40	0.170	0.017	0.02
537	CIL	Cummins India Ltd. Kothrud, Pune 411038	F41	QSB 6.7- G12	191.1 kW	QSB 6.7 - G11	174.5kW	ARAI/MoEF/DGTA-II/CILP-F41/2013-002,	17/Jan/2013	3.34	1.39	0.11	0.130	0.15
538	AESL	Accurate Energy Solutions Ltd.,	F1	950-DT	17.9 kW	NA	NA	ARAI/MoEF/DGTA-II/IMP/AESL-F1/2013-003	17/Jan/2013	5.39	1.72	0.32	0.269	0.07
539	SCL	Simpson & Co. Ltd., Chennai	F8	S217	16.3 kW	NA	NA	ARAI/MoEF/DGTA/SCL-F8/2013-004	18/Jan/2013	8.79	1.81	0.35	0.123	0.44
540	MNEPL	Mahindra Navistar Engines Pvt. Ltd., Pune, Maharashtra - 412111	F6	MaxxForce 7.2 P Elec / 200 kVA	180 kW	MaxxForce 7.2 P Elec / 180 kVA	163 kW	ARAI/MoEF/DGTA/MNEPL-F6/2012-005	30/Jan/2013	7.79	0.40	0.12	0.036	0.01
541	VECV	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F5	EE683TCI 82.5KVA CPCB-II	77 kW	NA	NA	ARAI/MoEF/DGTA-II/VECV-F5/2013-006	20/Feb/2013	3.25	0.92	0.53	0.155	0.03
										3.26	1.04	0.55	0.155	0.04
543	MNEPL	Mahindra Navistar Engines Pvt. Ltd., Pune, Maharashtra - 412111	F7	MaxxForce 7.2 P Mec CPCB I 200kVA	180 kW	MaxxForce 7.2 P Mec CPCB I 180kVA	163 kW	ARAI/MoEF/DGTA/MNEPL-F7/2013-007	30/Jan/2013	6.79	0.66	0.14	0.074	0.21
544	MNEPL	Mahindra Navistar Engines Pvt. Ltd., Pune, Maharashtra - 412111	F8	MaxxForce 7.2 P Mec CPCB I 160kVA	146 kW	MaxxForce 7.2 P Mec CPCB I 140kVA MaxxForce 7.2 P Mec CPCB I 125kVA MaxxForce 7.2 P Mec CPCB I 125kVA	146.5 KW 114.7 kW 77 kW	ARAI/MoEF/DGTA/MNEPL-F8/2013-008	1/Jan/2013	6.49	0.69	0.13	0.078	0.27
545	CIL	Cummins India Ltd. Kothrud, Pune 411038	F34	X2.7TG1	23.6 kW	NA	NA	ARAI/MoEF/DGTA-II/CILP-F34/2013-009	6/Mar/2013	4.18	1.67	0.23	0.142	0.34
546	SCL	Simpson & Co. Ltd., Chennai	F9	S433-F9	33.4 kW	NA	NA	ARAI/MoEF/DGTA/SCL-F9/2013-010	8/Feb/2013	8.54	2.03	0.50	0.087	0.17
547	CIL	Cummins India Ltd., Power Generation Business Unit, DTA Unit Gate No. 311/1B, At Post Kasar Amboli, Pirangut, Taluka Mulshi, Pune Maharashtra - 412111	F35	X2.7 TAAG2	28.7 kW	NA	NA	ARAI/MoEF/DGTA-II/CILP-F35/2013-011	28/Feb/2013	4.07	1.54	0.27	0.134	0.22
548	AVTEC	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	F4	AGDH2001515	19.2 kW	NA	NA	ARAI/MOEF/DGTA/AVTEC-F4/2013-012	20/Feb/2013	8.95	1.66	1.00	0.135	0.36
549	CIL	Cummins India Ltd., Power Generation Business Unit, DTA Unit Gate No. 311/1B, At Post Kasar Amboli, Pirangut, Taluka Mulshi, Pune Maharashtra - 412111	F36	X2.7 TAAG3	30.09 kW	NA	NA	ARAI/MoEF/DGTA-II/CILP-F36/2013-013	28/Feb/2013	4.21	2.03	0.30	0.137	0.23
550	AVTEC	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)	F2	2DE2-GEN15	16.5 kW	NA	NA	ARAI/MOEF/DGTA/AVTEC-F2/2013-014	2/Feb/2013	4.57	1.37	0.45	0.111	0.19

551	AVTEC	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)	F5	AGDH3102015	22 kW	NA	NA	ARAI/MOEF/DGTA/AVTEC-F5/2013-015	20/Feb/2013	8.28	1.56	0.60	0.166	0.16
552	MNEPL	Mahindra Navistar Engines Pvt. Ltd., Pune, Maharashtra - 412111	F9	MaxxForce 7.2 P Mech CPCB II 160 KVA	146.13 kW	MaxxForce 7.2 P Mech CPCB II 125 KVA	114.7 kW	ARAI/MoEF/DGTA/MNEPL-F9/2013-016	1/Mar/2013	3.64	1.49	0.22	0.160	0.25
553	SDEC	Shanghai Diesel Engine Co. Ltd., 2636 JunGong Road, Shanghai, China	F9	SC9D340D2	228 kW	NA	NA	ARAI/MoEF/DGTA/IMP/SDEC-F9/2013-017	23/Feb/2013	5.22	1.22	0.29	0.211	0.17
554	AVTEC	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)	F6	AGDH3103015	32 kW	NA	NA	ARAI/MOEF/DGTA/AVTEC-F6/2013-018	6/Mar/2013	8.02	1.36	0.95	0.120	0.12
555	AVTEC	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)	F7	AGDH4904515	44 kW	NA	NA	ARAI/MOEF/DGTA/AVTEC-F7/2013-019	6/Mar/2013	7.68	2.07	0.57	0.140	0.28
556	CIL	Cummins India Ltd., Power Generation Business Unit, DTA Unit Gate No. 311/1B, At Post Kasar Amboli, Pirangut, Taluka Mulshi, Pune Maharashtra - 412111	F37	X3.6 TAAG1	39.2 kW	NA	NA	ARAI/MoEF/DGTA-II/CILP-F37/2013-020	27/Feb/2013	4.14	1.51	0.30	0.144	0.15
557	AVTEC	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)	F9	AGDH7012515	127 kW	AGDH6710015	110 kW	ARAI/MOEF/DGTA/AVTEC-F10/2013-021	6/Mar/2013	6.85	0.69	0.52	0.112	0.15
558	AVTEC	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	NA	NA	ARAI/MOEF/DGTA/AVTEC-F8/2013-022	6/Mar/2022	8.13	0.91	0.83	0.109	0.08
				AGDH4305015	54.6 kW					7.67	1.06	0.89	0.160	0.13
559	CIL	Cummins India Ltd., Power Generation Business Unit, DTA Unit Gate No. 311/1B, At Post Kasar Amboli, Pirangut, Taluka Mulshi, Pune Maharashtra - 412111	F39	S3.8TAA-G14	67.1 kW	S3.8TAA-G13	56.6 kW	ARAI/MoEF/DGTA-II/CILP-F39/2013-023	28/Feb/2013	3.97	0.97	0.18	0.224	0.23
560	MNEPL	Mahindra Navistar Engines Pvt. Ltd., Pune, Maharashtra - 412111	F10	MaxxForce 4.8 P Mech CPCB I 100 KVA	93 kW	MaxxForce 4.8 P Mech CPCB I 82.5 KVA	78 kW	ARAI/MoEF/DGTA/MNEPL-F10/2013-024	7/Mar/2013	7.22	0.58	0.15	0.102	0.25
561	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivli (E), Mumbai 400101, India	F38	2185 GM-C2	12 kW	NA	NA	ARAI/MOEF/DGTA-II/M&M-F38/2013-025	18/Mar/2013	6.40	1.90	0.32	0.116	0.37
				3285 GM-C2	18 Kw					5.55	1.73	0.38	0.128	0.23
562	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivli (E), Mumbai 400101, India	F39	2205 GM-C2	93 kW	NA	NA	ARAI/MOEF/DGTA-II/M&M-F39/2013-026	7/Mar/2013	5.98	1.47	0.36	0.168	0.28
563	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivli (E), Mumbai 400101, India	F40	3255 GM-C2	16.7 kW	NA	NA	ARAI/MOEF/DGTA-II/M&M-F40/2013-027	11/Mar/2013	6.51	2.31	0.67	0.166	0.18
564	VECV	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F4	EE483TCI 62.5kVA	59 kW	EE483TCI 50kVA EE483TCI 40kVA	48 kW 38 kW	ARAI/MoEF/DGTA-II/VECV-F4/2012-035-E1	8/May/2013	4.03	0.73	0.39	0.151	0.02
565	SDEC	Shanghai Diesel Engine Co. Ltd., 2636 JunGong Road, Shanghai, China	F10	SC4H180D2	120 kW	SC4H160D2	105 kW	ARAI/MoEF/DGTA/IMP/SDEC-F10/2013-028	25/Mar/2013	5.75	1.07	0.08	0.096	0.08
566	SCL	Simpson & Co. Ltd., Chennai	F1	S433 (I)	30.96 kW	NA	NA	ARAI/MoEF/DGTA/SCL-F1/2013-029	3/May/2013	7.35	1.97	0.46	0.091	0.25

567	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F104	HA294 G1	15.1 kW	NA	NA	ARAI/MoEF/DGTA-II/KOEL-F104/2013-030	21/May/2013	6.13	2.37	0.46	0.126	0.32
568	CIL	Cummins India Ltd., Power Generation Business Unit, DTA Unit Gate No. 311/1B, At Post Kasar Amboli, Pirangut, Taluka Mulshi, Pune Maharashtra - 412111	F42	X1.3 TAAG1	17.15 kW	NA	NA	ARAI/MoEF/DGTA-II/CILP-F42/2013-031	4/Jun/2013	6.56	1.50	0.30	0.142	0.18
569	GCLP	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F28	4G11TAG3	114 kW	6G11TAG1 6G11TAG2 6G11TAG4	127.2 kW 144.5 kW 178.8 kW	ARAI/MoEF/DGTA/GCLP-F28/2009-063-E2	17/Apr/2013	7.77	0.4	0.17	0.086	0.16
				6G11TAG3	163 kW					7.16	0.68	0.16	0.24	0.29
570	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivli (E), Mumbai 400101, India	F43	4725 GM-C2	48.12 kW	NA	NA	ARAI/MoEF/DGTA-II/M&M-F43/2013-032	5/Aug/2013	3.67	0.68	0.21	0.202	0.29
571	VECV	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	NA	NA	ARAI/MoEF/DGTA-II/VECV-F6/2013-033	6/May/2013	3.1	1.03	0.59	0.215	0.02
										3.22	1.01	0.59	0.175	0.07
572	CILP	Cummins India Ltd. Kothrud, Pune 411038	F33	QSK19-G7	618 kW	QSK19-G6	583 kW	ARAI/MoEF/DGTA-II/CILP-F33/2012-026-E1	18/Apr/2013	3.82	1.14	0.09	0.10	0.00
573	MTU	MTU India Pvt. Ltd., 159/1, Tathawade, Pune-Mumbai Highway, Pune 411033	F5	6R1600G80F	301 kW	6R1600G10F 6R1600G20F 6R1600G70F	249 kW 274 kW 274 kW	ARAI/MoEF/DGTA-II/IMP/MTU-F5/2013-34	30/Apr/2013	3.51	0.95	0.32	0.125	0.62
574	MTU	MTU India Pvt. Ltd., 159/1, Tathawade, Pune-Mumbai Highway, Pune 411033	F6	10V1600G80F	493 kW	10V1600G10F 10V1600G20F 10V1600G70F 8V1600G10F 8V1600G20F 8V1600G70F 8V1600G80F	407 kW 448 kW 448 kW 325 kW 358 kW 358 kW 394 kW	ARAI/MoEF/DGTA-II/IMP/MTU-F6/2013-35	30/Apr/2013	3.35	1.48	0.30	0.154	0.06
575	MTU	MTU India Pvt. Ltd., 159/1, Tathawade, Pune-Mumbai Highway, Pune 411033	F7	12V2000G66F	709 kW	12V2000G56F	665 kW	ARAI/MoEF/DGTA-II/IMP/MTU-F7/2013-36	30/Apr/2013	2.52	0.37	0.13	0.043	0.06
576	CIL	Cummins India Ltd. DTA Unit, Gate No.311/1B, At/Post-Kasar, Amboli, Pirangut, Tal-Mulshi Pune 411038	F44	X1.3G3	11.93 kW	NA	NA	ARAI/MoEF/DGTA-II/CILP-F44/2013-37	1/May/2013	6.75	3.17	0.43	0.143	0.66
577	CIL	Cummins India Ltd. DTA Unit, Gate No.311/1B, At/Post-Kasar, Amboli, Pirangut, Tal-Mulshi Pune 411038	F38	X3.6TAA-G2	41.55 kW	NA	NA	ARAI/MoEF/DGTA-II/CILP-F38/2013-38	7/May/2013	4.36	1.63	0.20	0.244	0.35
578	DEU	Deutz AG, Germany Ottostrasse 1, D-51149 Koln (Porz-Eil) /Germany	F10	BF8M1015CP BF8M1015C	490 kW 459 kW	BF6M1015CP BF8M1015C BF6M1015C BF6M1015C	365 kW 418 kW 314 kW 345 kW	ARAI/MoEF/DGTA-II/IMP/DEU-F10/2013-39	9/May/2013	5.61	0.69	0.17	0.103	0.12
										5.65	0.60	0.19	0.085	0.07
580	CIUSA	Caterpillar Inc., 100 NE Adams, Peoria, IL, USA, 61629	F2	C15-2GP-1	454 kW	NA	NA	ARAI/MoEF/DGTA-II/IMP/CIUSA-F2/2013-40	21/May/2013	3.21	1.72	0.11	0.144	0.04
581	SCL	Simpson & Co. Ltd., Chennai	F11	SJ436TAA (G)	41.54 kW	NA	NA	ARAI/MoEF/DGTA-II/SCL-F11/2013-041	7/Jun/2013	4.14	1.47	0.24	0.157	0.11
582	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F111	4R1040TA G1	74.9 kW	NA	NA	ARAI/MoEF/DGTA-II/KOEL-F111/2013-042	30/May/2013	4.19	0.65	0.13	0.169	0.38
583	CILP	Cummins India Ltd. Kothrud, Pune 411038	F30	KTA38-G11	797 kW	KTA38-G10	736 kW	ARAI/MoEF/DGTA-II/CILP-F30/2013-043	5/Jun/2013	3.58	0.17	0.14	0.108	0.05

584	MTU	MTU India Pvt. Ltd., 159/1, Tathawade, Pune-Mumbai Highway, Pune 411033	F2	12V2000G65 TD/3D	765 kW	12V2000G25 TD/3D 12V2000G25 TD/3B 12V2000G65 TD/3B 12V2000G25 TB/3B 12V2000G25 TB/3D 12V2000G65 TB/3B 12V2000G65 TB/3D	635 kW 580 kW 695 kW 580 kW 635 kW 695 kW 765 kW	ARAI/MoEF/DGTA/IMP/MTU-F2/2008-060-E2	30/Apr/2013	6.69	1.16	0.24	0.067	0.04
585	LIPL	Lombardini India Pvt. Ltd., A KOHLER Company, Plot No.:J 2/1, MIDC, Chikalthana, Aurangabad	F1	15LD440	6.7 kW	NA	NA	ARAI/MOEF/DGTA/IMP/LIPL-F1/2008-006-E1	28/Jun/2013	8.34	1.4	0.64	0.199	0.37
586	SDEC	Shanghai Diesel Engine Co. Ltd., 2636, JunGong Road, Shanghai, China	F11	SC7H250D2	168 kW	SC7H230D2	154 Kw	ARAI/MoEF/DGTA/IMP/SDEC-F11/2013-044	14/Aug/2013	6.13	0.77	0.23	0.070	0.07
587	TML	Tata Motors Ltd. Pimpri, Pune/Jamshedpur/Chinhat Industrial Area, Lucknow/ Belur Industrial Area, Dharwad/ Udham Singh Nagar, Patnaganar	F2	497TC 65	59 kW	NA	NA	ARAI/MoEF/DGTA/TATA-F2/2003-26-E1	11/Jul/2013	6.38	0.70	0.76	0.124	0.21
588	TML	Tata Motors Ltd. Pimpri, Pune/Jamshedpur/Chinhat Industrial Area, Lucknow/ Belur Industrial Area, Dharwad/ Udham Singh Nagar, Patnaganar.	F3	497TC 62	43 Kw	497TC 63 497TC 64	46 kW 51 kW	ARAI/MoEF/DGTA/TATA-F3/2003-25-E1	11/Jul/2013	6.40	0.98	1.05	0.130	0.17
589	TML	Tata Motors Ltd. Pimpri, Pune/Jamshedpur/Chinhat Industrial Area, Lucknow/ Belur Industrial Area, Dharwad/ Udham Singh Nagar, Patnaganar.	F4	497DI 60	31 kW	497DI 61	33 kW	ARAI/MoEF/DGTA/TATA-F4/2003-24-E1	11/Jul/2013	6.24	2.25	0.71	0.231	0.28
590	ALL	Ashok Leyland Ltd., Chennai	F24	AL4CTIDG2	59 kW	NA	NA	ARAI/MoEF/DGTA-II/ALL-F24/2013-045	11/Jul/2013	4.32	0.53	0.15	0.093	0.13
591	ALL	Ashok Leyland Ltd., Chennai	F25	AL6DTIDG4	147 kW	AL4CTIDG3 AL4CTIDG4 AL6DTIDG1 AL6DTIDG2 AL6DTIDG3	78 kW 94 kW 94 kW 116 kW 130 kW	ARAI/MoEF/DGTA-II/ALL-F25/2013-046	11/Jul/2013	3.41	1.14	0.19	0.143	0.14
592	ALL	Ashok Leyland Ltd., Chennai	F26	AL8NTIG3	223 kW	AL8NTIG1 AL8NTIG2	180 kW 163 kW	ARAI/MoEF/DGTA/ALL-F26/2013-047	11/Jul/2013	7.56	0.44	0.08	0.026	0.01
593	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India.	F46	61695 GM-C2	113.34 kW	NA	NA	ARAI/MoEF/DGTA-II/M&M-F46/2013-048	12/Jul/2013	3.52	0.94	0.13	0.156	0.33
594	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India.	F44	4905 GM-C2	60.2 kW	NA	NA	ARAI/MoEF/DGTA-II/M&M-F44/2013-049	25/Jul/2013	3.70	0.58	0.19	0.213	0.33
595	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India.	F45	41035 GM-C2	68.9 kW	NA	NA	ARAI/MoEF/DGTA-II/M&M-F45/2013-050	25/Jul/2013	3.47	0.66	0.17	0.139	0.32
596	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India.	F41	3335 TCGM-C2	22 kW	NA	NA	ARAI/MoEF/DGTA-II/M&M-F41/2013-051	25/Jul/2013	3.03	1.23	0.31	0.134	0.16
597	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India.	F42	3445 TCIGM-C2	29.4 kW	3385 TCIGM-C2 4575 TCIGM-C2	25.77 kW 38.1 kW	ARAI/MoEF/DGTA-II/M&M-F42/2013-052	25/Jul/2013	3.92	0.78	0.18	0.169	0.17
598	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F105	2R1040G1	18.8 kW	NA	NA	ARAI/MoEF/DGTA-II/KOEL-F105/2013-053	5/Aug/2013	6.41	2.61	0.43	0.107	0.25
599	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F112	4K1080TAG2	114.7 kW	4K1080TAG1	114.7 kW	ARAI/MoEF/DGTA-II/KOEL-F112/2013-054	20/Aug/2013	3.52	1.85	0.38	0.114	0.08
										3.50	1.97	0.40	0.156	0.09
601	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F108	HA494TCI G1	41.2 kW	HA694TCI G1	61 kW	ARAI/MoEF/DGTA-II/KOEL-F108/2013-055	30/Aug/2013	4.07	1.15	0.25	0.182	0.10
						HA394TCI G2	29.4 kW			4.00	1.25	0.37	0.183	0.10
602	DEIPL	Deutz Engines India Pvt. Ltd, Pune.	F3	BF6M1013EC-D20C133	133 kW	BF4M1013FC-D20C101	101 KW	ARAI/MoEF/DGTA/IMP/DEIPL-F3/2013-056	1/Sep/2013	4.84	0.67	0.42	0.111	0.07

				BF6M1013FC-D20C166	166 kW	BF4M1013FC-D20C106	106 kW				4.89	0.64	0.37	0.069	0.05
603	ALL	Ashok Leyland Ltd., Chennai	F27	AL11TA G2	178.8 kW	AL11TA G1	163 kW	ARAI/MoEF/DGTA/ALL-F27/2013-057	23/Oct/2013	8.32	0.69	0.23	0.205	0.28	
604	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F102	CC418 G1	5.5 kW	NA	NA	ARAI/MoEF/DGTA-II/KOEL-F102/2013-058	25/Sep/2013	6.37	1.06	0.43	0.238	0.47	
605	CIL	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	4BTAA3.9G1 4BTAA3.9G2	51 kW 60 KW	ARAI/MoEF/DGTA-II/CILP-F46/2013-059	9/Jan/2014	3.91	0.97	0.21	0.225	0.57	
606	ALL	Ashok Leyland Ltd., Chennai	F28	ALV8TA G1	291.3 kW	NA	NA	ARAI/MoEF/DGTA/ALL-F28/2013-060	23/Oct/2013	7.38	0.71	0.26	0.076	0.16	
607	ALL	Ashok Leyland Ltd., Chennai	F29	ALV12TA G1	356 kW	NA	NA	ARAI/MoEF/DGTA/ALL-F29/2013-061	23/Oct/2013	7.79	1.09	0.38	0.106	0.17	
608	ALL	Ashok Leyland Ltd., Chennai	F30	ALV12TA G2	444 kW	NA	NA	ARAI/MoEF/DGTA/ALL-F30/2013-062	23/Oct/2013	7.41	0.55	0.27	0.092	0.12	
609	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F109	3R1040TA G1	41.2 kW	NA	NA	ARAI/MoEF/DGTA-II/KOEL-F109/2013-063	25/Oct/2013	3.45	1.26	0.22	0.182	0.16	
610	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F107	3R1040T G1	30.9 kW	NA	NA	ARAI/MoEF/DGTA-II/KOEL-F109/2013-064	25/Oct/2013	3.69	1.35	0.24	0.237	0.10	
611	VOLVO	AB VOLVO PENTA, SE40508, GOTHENBURG, SWEDEN	F11	TAD1651GE	441 kW	NA	402 kW	ARAI/MOEF/DGTA-II/IMP/VOLVO-F11/2013-065	13/Dec/2013	3.60	0.78	0.09	0.096	0.08	
612	VOLVO	AB VOLVO PENTA, SE40508, GOTHENBURG, SWEDEN	F12	TWD1653GE	564 kW	TWD1652GE	522 kW	ARAI/MOEF/DGTA-II/IMP/VOLVO-F12/2013-066	13/Dec/2013	3.72	0.74	0.07	0.073	0.16	
613	VOLVO	AB VOLVO PENTA, SE40508, GOTHENBURG, SWEDEN	F13	TAD1355GE	369 kW	TAD1351GE TAD1352GE TAD1354GE	286 kW 325 kW 339 kW	ARAI/MOEF/DGTA-II/IMP/VOLVO-F13/2013-067	13/Dec/2013	3.34	0.80	0.11	0.106	0.03	
614	CIUSA	Caterpillar Inc.100 NE Adams,Peoria,IL,USA.	F11	C13-2GP-1	367 kW	NA	NA	ARAI/MoEF/DGTA-II/IMP/CIUSA-F11/2013-068	1/Nov/2013	3.05	2.37	0.09	0.168	0.12	
615	CIUSA	Caterpillar Inc.100 NE Adams,Peoria,IL,USA.	F12	C18-2GP-1	540 kW	NA	NA	ARAI/MoEF/DGTA-II/IMP/CIUSA-F12/2013-069	1/Nov/2013	3.50	0.73	0.09	0.108	0.14	
616	MHEPL	Mahindra Heavy Engines Pvt. Ltd., Chakan,Pune- 410 501	F11	200kVA Elec.CPCB-I	180 kW	180kVA Elec.CPCB-I	163 kW	ARAI/MoEF/DGTA/MHEPL-F11/2013-070	24/Oct/2013	6.76	0.51	0.16	0.042	0.03	
617	MHEPL	Mahindra Heavy Engines Pvt. Ltd., Chakan,Pune- 410 501	F12	200kVA Mech.CPCB-I	180 kW	180kVA Mech.CPCB-I	163 kW	ARAI/MoEF/DGTA/MHEPL-F12/2013-071	24/Oct/2013	6.07	0.42	0.12	0.119	0.19	
618	MHEPL	Mahindra Heavy Engines Pvt. Ltd., Chakan,Pune- 410 501	F13	160kVA Mech.CPCB-I	146.5 kW	140kVA Mech.CPCB-I, 125kVA Mech.CPCB-I	128.7 kW 114.7 kW	ARAI/MoEF/DGTA/MHEPL-F13/2013-072	24/Oct/2013	7.12	0.46	0.16	0.07	0.12	
619	MHEPL	Mahindra Heavy Engines Pvt. Ltd., Chakan,Pune- 410 501	F14	100kVA Mech.CPCB-I	93 kW	82.5kVA Mech.CPCB-I	78 kW	ARAI/MoEF/DGTA/MHEPL-F14/2013-073	24/Oct/2013	6.57	0.55	0.13	0.111	0.40	
620	MHEPL	Mahindra Heavy Engines Pvt. Ltd., Chakan,Pune- 410 501	F15	62.5kVA Mech.CPCB-I	59 kW	NA	NA	ARAI/MoEF/DGTA/MHEPL-F15/2013-074	24/Oct/2013	7.36	0.61	0.20	0.074	0.07	
621	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F110	4R 810 TA G1	61 kW	NA	NA	ARAI/MoEF/DGTA-II/KOEL-F110/2013-075	3/Dec/2013	3.98	1.16	0.24	0.20	0.33	
622	PEL	Perkins Engines Ltd., Tixall Road, Stafford ST163UB UK	F10	2506-2GP-1	454 kW	NA	NA	ARAI/MoEF/DGTA-II/IMP/PEL-F10/2013-076	23/Dec/13	3.21	1.72	0.11	0.144	0.04	
623	SCL	Simpson & Co. Ltd., Chennai	F112	SC213-F12	11.9KW	NA	NA	ARAI/MoEF/DGTA-II/IMP/SCL-F12/2013-077	24/Dec/2013	8.92	3.2	0.36	0.091	0.37	

624	CIL	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	NA	NA	ARAI/MoEF/DGTA-II/CILP-F47/2013-078	9/Jan/2014	3.44	1.12	0.3	0.127	0.24
625	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F114	6SL1500TAG3	228 kW	6SL1500TAG2	183 kW	ARAI/MoEF/DGTA-II/KOEL-F114/2014-001	17/Jan/2014	3.51	0.40	0.05	0.127	0.06
626	PEL	Perkins Engines Ltd.Tixall Road,Stafford,St16 3UB, UK	F13	4006D-23TAG	667 kW	NA	NA	ARAI/MOEF/DGTA-II/IMP/PECL-F13/2014-002	13/Jan/2014	3.59	0.02	0.07	0.117	0.08
627	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F113	6K1080TA G2	147 kW	NA	NA	ARAI/MoEF/DGTA-II/KOEL-F113/2014-003	5/Feb/2014	3.56	1.04	0.14	0.181	0.10
628	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F106	HA394TCI G1	23.54 kW	NA	NA	ARAI/MoEF/DGTA-II/KOEL-F106/2014-004	5/Feb/2014	4.05	1.33	0.26	0.175	0.16
629	VECV	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F7	EE694TCI 125KVA CPCB-II	115 kW	EE694TCI 100KVA CPCB-II	95 kW	ARAI/MoEF/DGTA-II/VECVL-F7/2014-005	28/Jan/2014	3.14	0.99	0.19	0.126	0.07
630	VECV	VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur-454775, Dist-Dhar, Madhya Pradesh	F8	EE694TCI 100KVA VE CPCB-II	95 kW	NA	NA	ARAI/MoEF/DGTA-II/VECVL-F8/2014-006	7/Feb/2014	3.11	1.56	0.30	0.148	0.03
631	ALL	Ashok Leyland Ltd., Chennai	F31	AL4CTDG1	39 kW	NA	NA	ARAI/MoEF/DGTA-II/ALL-F31/2014-007	7/Feb/2014	3.90	1.48	0.32	0.160	0.17
632	GCLP	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F45	3G11TAG23	42.3 kW	3G11TA621 3G11TA622	33.1 kW 38.1 kW	ARAI/MoEF/DGTA-II/GCLP-F45/2014-008	28/Feb/2014	3.66	1.69	0.3	0.181	0.18
633	GCLP	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F80	4G11TAG22	74.5 kW	6G11TAG21	59 KW	ARAI/MoEF/DGTA-II/GCLP-F80/2014-009	28/Feb/2014	3.70	1.05	0.20	0.18	0.08
634	GCLP	Greaves Cotton Ltd., (D.E.U.), Chinchwad, Pune	F100	4G11TAG23	93 kW	NA	NA	ARAI/MoEF/DGTA-II/GCLP-F100/2014-010	28/Feb/2014	3.76	0.91	0.24	0.197	0.13
635	KOEL	Kirloskar Oil Engine Limited, Khadki, Pune.	F103	EA16G1	11.8 kW	NA	NA	ARAI/MoEF/DGTA-II/KOEL-F103/2014-011	28/Feb/2014	6.64	2.03	0.50	0.153	0.24
636	M&M	Mahindra & Mahindra Limited, Akurli Road, Kandivali (E), Mumbai 400101, India	F46	61375 GM-C2	91.6 kW	NA	NA	ARAI/MOEF/DGTA/M&M-F46/2014-012	19/Jun/2014	3.3	0.87	0.16	0.138	0.25
				61695 GM-C2	113.34 kW					3.52	0.94	0.13	0.156	0.33
637	PMDPL	Diesels Pvt. Ltd., Unit No-2, Mira Ind Co Operativ Society, Rajkot-360003	F3	1125 GR	8.1 kW	NA	NA	ARAI/MOEF/DGTA-II/PMDPL-F3/2014-015	4/Mar/2014	6.89	2.57	0.57	0.117	0.27
638	KECL	Kirloskar Electric Co. Ltd., Gokul Road, Hubli-580030, Karnataka	F11	SL2105ABD	17 kW	NA	NA	ARAI/MoEF/DGTA-II/IMP/KECL-F11/2014-013	17/Jan/2014	6.56	1.76	0.42	0.206	0.37