

COP Annexure-I

| Criteria* | COP Required |
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| RECD Manufacturer/Importer/Retrofitter | RECDs fitted on engines of all ratings shall be subjected to the verification of CoP once for every 500 units per family or once a year, whichever is earlier Wherever applicable, RECDs fitted on engines of all ratings of engines shall be subjected to the verification of PCD once every CoP-year by PCD family (ies) representative RECD(s). Such demonstration is PCD family dependent and irrespective of combined volumes produced and sold under such family (ies) |

* As Applicable

Annexure-II

| S No | Item Description | Parent RECD Type | RECD types within the RECD family (if applicable) | |
|------|---|---|---|---------------|
| | | Type 1 | Type 2 | Type 3 |
| 1 | Manufacturing Plant address | M/s Automoto Genset Solutions LLP, Plot No. B-9/2 Phase-I, Badli Industrial Area, Landmark Samaypur Badli Metro Station, North Delhi, Delhi- 110042 | | |
| 2 | Manufacturer's trade name or mark | M/s Automoto Genset Solutions LLP | | |
| 3 | RECD family designation | F1232-CII | | |
| 4 | RECD type/model designation | AM02/2 | AM03/2 | AM04/2 |
| 5 | RECD Category (Domestic/Imported) | Domestic | | |
| 6 | Class of RECD | Class II | | |
| 7 | Type Identification of the RECD | Continuous | | |
| 8 | Location of type ID marking | Refer Specification no. Automoto-RECD-AM02/2-REV 0 dtd. 19/09/2024 Clause no 1.8 | | |
| 9 | Identifying part number(s) of the RECD | AM5016-2F/C2 | AM5016-1FL/C2 | AM5016-1FM/C2 |
| 10 | Engine/ Engine-Family for which the RECD is intended (application range) | QSB 5.9 G2 | | |
| 11 | PM Reduction Efficiency of the RECD | 98.95% | | |
| 12 | Designed for fitment to an engine meeting the emissions requirements of (Regulation and Stage): | CPCB Stage -II | | |

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| ICAT Ref No. | 2024-0619; IOCS No: 178638 |
| Base Engine Type Approval Certificate number | ARAI/MoEF/DGTA/TCL-F40/2017-07 |
| Test Report Reference | CT0ET 0378 dt. 03/10/2024 |

| AUTHORISED SIGNATORY | |
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| SITARAM KASHYAP DEPUTY GENERAL MANAGER | SAURABH DALELA DIRECTOR |

Annexure-III

List of applicable engine(s) as per 771(E) dtd. 11.12.2013 and GSR 232(E) dtd. 31.03.2014 Phase II certified In -Use DG sets for corresponding RECD models of RECD Family.

| S. No. | Manufacturer Name & Address | Engine Family | Engine Model | Rated Gross Mechanical Declared Power | Type Approval Certificate Number |
|--------|---|---------------|-------------------------|---------------------------------------|--|
| 1 | Ashok Leyland Ltd., No.1, Sardar Patel Road, Guindy, Chennai - 6000032 | F24 | AL4CTIDG2 | 59 kW | ARAI/MoEF/DGTA/ALL-F24/2014- 01-E1 Dated: 26-Jul-2014 |
| 2 | Ashok Leyland Ltd., No.1, Sardar Patel Road, Guindy, Chennai - 6000032 | F25 | AL6DTIDG4 | 147 kW | ARAI/MoEF/DGTA/ALL-F25/2014- 02-E1 Dated: 26-Jul-2014 |
| 3 | | | AL4CTIDG3 | 78 kW | |
| 4 | | | AL4CTIDG4 | 94 kW | |
| 5 | | | AL6DTIDG1 | 94 kW | |
| 6 | | | AL6DTIDG2 | 116 kW | |
| 7 | | | AL6DTIDG3 | 130 kW | |
| 8 | Ashok Leyland Ltd., No.1, Sardar Patel Road, Guindy, Chennai - 6000032 | F38 | AL4CTIDG5 | 59 kW | ARAI/MoEF/DGTA/ALL-F38/2015-09-E1 Dated: 16-January-2020 |
| 9 | | | AL4CTIDG6 | 39 kW | |
| 10 | Ashok Leyland Ltd., No.1, Sardar Patel Road, Guindy, Chennai - 6000032 | F31 | AL4CTDG1 | 39 kW | ARAI/MoEF/DGTA/ALL-F31/2014-03-E1 Dated: 26-Jul-2014 |
| 11 | Ashok Leyland Ltd., No.1, Sardar Patel Road, Guindy, Chennai - 6000032 | F50 | AL6DTIDG6 | 116 kW | ARAI/MoEF/DGTA/ALL-F50/2022-19 Dated: 03-February-2022 |
| 12 | Cooper Corporation Pvt. Ltd, Plot no. M60-1, Engine Division Post- Kodoli, Addl. MIDC Satara, 415003 | F12 | 3B5D1C62IW | 62 kW | ARAI/MoEF/DGTA/CCPL- F12/2017-05 Dated: 23-Jun-2017 |
| 13 | | | 3B5D1C52IW | 52 kW | |
| 14 | Cooper Corporation Pvt. Ltd, Plot no. M60-1, Engine Division Post- Kodoli, Addl. MIDC Satara, 415003 | F10 | 3B5D1C85RW | 85 kW | ARAI/MoEF/DGTA/CCPL- F10/2014-04-E1 Dated: 17-Aug-2015 |
| 15 | | | 4B5D1C113RW | 113 kW | |
| 16 | | | 3B5D1C75RW | 75.5 kW | |
| 17 | | | 4B5D1C100RW | 100 kW | |
| 18 | | | 6B5D1C150RW | 150 kW | |
| 19 | Deutz Engines India Pvt. Ltd., 6, Ramabai Ambedkar Road, B Wing, 4th Floor, Heritage House, Pune 411001. Maharashtra, India | F4 | TCD2013 L062V (D3UC151) | 151 kW | ARAI/MoEF/DGTA/IMP/DEIPL-F4/2016-04 Dated: 08-June-2016 |
| 20 | | | TCD2013 L042V (D3UC100) | 100.3 kW | |
| 21 | | | TCD2013 L062V (D3UC130) | 130.6 kW | |
| 22 | | | TCD2013 L042V (D3UC85) | 85.6 kW | |

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Annexure-III Cont.

| S. No. | Manufacturer Name & Address | Engine Family | Engine Model | Rated Gross Mechanical Declared Power | Type Approval Certificate Number |
|--------|--|---------------|--------------|---------------------------------------|---|
| 23 | Cummins India Limited, Cummins India Office Campus Tower A, 5th Floor Survey No. 21, Balewadi, Pune,411045 | F48 | 4BTAA3.3-G11 | 62.6 kW | ARAI/MoEF/DGTA/CILP-F48/2014-16-E4 Dated: 22-Feb-2016 |
| 24 | Cummins India Ltd. Kothrud, Pune 4110388 | F37 | X3.6TAAG1 | 39.14 kW | ARAI/MoEF/DGTA/CILP-F37/2014-12-E3 Dated: 22-Feb-2016 |
| 25 | Greaves Cotton Ltd. Industrial Engines Unit, Plot No.J-2/A, MIDC Chikalthana, Aurangabad-431210 | F63 | 3G11TAG24 | 42.3 kW | ARAI/MoEF/DGTA/GCLP- F63/2015-09-E2 Dated 19-Aug-2021 |
| 26 | | | 3G11TAG25 | 59 kW | |
| 27 | | F101 | 4G11TAG26 | 114 kW | ARAI/MoEF/DGTA/GCLP-F101/2015-10-E3 Dated: 18-Aug-2021 |
| 28 | | | 4G11TAG25 | 93 kW | |
| 29 | | F81 | 3G11TAG26 | 74.5 kW | ARAI/MoEF/DGTA/GCLP- F81/2015-08-E2 Dated 18-Aug-2021 |
| 30 | | | F161 | 6G11TAG26 | 144.5 kW |
| 31 | Kirloskar Oil Engines Ltd. Khadki, Pune | F108 | HA494TCI G1 | 41.2 kW | ARAI/MoEF/DGTA/KOEL-F108/2014-08-E1 Dated 22-Feb-2018 |
| 32 | | | HA694TCI G1 | 61 kW | |
| 33 | | F111 | 4R1040TA G1 | 74.8 kW | ARAI/MoEF/DGTA/KOEL- F111/2014-11 Dated 22-Mar-2014 |
| 34 | | F109 | 3R1040TA G1 | 41.2 kW | ARAI/MoEF/DGTA/KOEL- F109/2014-09 Dated 22-Mar-2014 |
| 35 | | F123 | 6R1080TAG2 | 114.7 kW | ARAI/MoEF/DGTA/KOEL- F123/2019-26 Dated 27-Dec-2019 |
| 36 | | F110 | 4R810TA G1 | 61 kW | ARAI/MoEF/DGTA/KOEL- F110/2014-10-E2,Dated 28-Dec-2021 |
| 37 | | F112 | 4K1080TAG2 | 114.7 kW | ARAI/MoEF/DGTA/KOEL- F112/2019-25-E1 Dated 5-Jan-2021 |
| 38 | | | 4K1080TAG1 | 93.4 kW | |
| 39 | | F113 | 6K 1080TA G2 | 147 kW | ARAI/MoEF/DGTA/KOEL- F113/2014-13-E4 Dated 01-June-2021 |
| 40 | | | 6R1080TAD | 114.7 kW | |
| 41 | 6R1080TA G1 | | 128.7 kW | | |
| 42 | SKL (India) Private Limited C 2117 Oberoi Garden Estate, Chandivali, Andheri, (East), Mumbai-400 072 | F6 | 4H50TIC/3000 | 50.0 kW | ARAI/MoEF/DGTA/IMP/SKL- F6/2015-01-E1 Dated 3-Jul-2018 |
| 43 | M/s. Harison Generators Private Limited, No. E-17, Focal Point, Industry Area, Patiala, Punjab-147001 | F-12- ZLD | 4K41LD | 74 kW | ICAT/MoEFCC/DGTA/ IMP/HGPL-F-12-ZLD/P-0791 dt. 22.06.2020 |

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|--------------------|---|---------------|------------------|---------------------------------------|---|
| S. No. | Manufacturer Name & Address | Engine Family | Engine Model | Rated Gross Mechanical Declared Power | Type Approval Certificate Number |
| 44 | Mahindra & Mahindra Ltd. Implementation division, MIDC, Hingna Road, Nagpur - 440 016 | F45 | 41035GM-C2 | 68.9 kW | ARAI/MoEF/DGTA/M&M- F45/2014-08-E2 Dated 20-Nov-2017 |
| 45 | | F65 | 4725 GMAC2 | 48.12 kW | ARAI/MoEF/DGTA/M&M- F65/2016-11 Dated 6-Jul-2016 |
| 46 | | F66 | 4905 GMAC2 | 60.2 kW | ARAI/MoEF/DGTA/M&M- F66/2016-12 Dated 6-Jul-2016 |
| 47 | | F89 | 41125AGM-C2 | 74.5 kW | ARAI/MoEF/DGTA/M&M- F89/2019-20 Dated 4-Jun-2019 |
| 48 | Mahindra Heavy Engines Pvt. Ltd., Plot # A-1/1, Chakan Industrial Area, Phase-IV, Village Nigoje, Chakan, Taluka- Khed Pune- 410501 | F21 | mPower61995G1 | 146.5 kW | ARAI/MoEF/DGTA/MHEL- F21/2016-05-E4 Dated 13-Nov-2017 |
| 49 | | | mPower61565G1 | 114.7 kW | |
| 50 | | F17 | mPower61995G | 146.5 kW | ARAI/MoEF/DGTA/MHEL- F17/2014-03-E6 Dated 17-Dec-2019 |
| 51 | | | mPower61565G | 114.7 kW | |
| 52 | | | mPower41265G | 93 kW | |
| 53 | | | mPower41565G | 114.7 kW | |
| 54 | Tata Motors Limited, Pimpri, Pune | F33 | 697 TC 10 | 115 kW | ARAI/MoEF/DGTA/TML/- F33/2018-08-E1 Dated 29-May-2019 |
| 55 | | | 697 TC 13 | 93.5 kW | |
| 56 | | | 697 TC 14 | 81.5 kW | |
| 57 | | F24 | 497 TC 74 | 67 kW | ARAI/MoEF/DGTA/TML/- F24/2014-03 Dated 17-Jun-2014 |
| 58 | | | 497 TC 75 | 56.5 kW | |
| 59 | | | 497 TC 76 | 47 kW | |
| 60 | | | 497 TC 77 | 42 kW | |
| 61 | | F25 | 497SP TC76 | 42 kW | ARAI/MoEF/DGTA/TML-F25/2016- 05 Dated 26-Aug-2016 |
| 62 | | F27 | 697 TC 52 | 93.5 kW | ARAI/MoEF/DGTA/TML/F27/2016- 06-E1 Dated 13-Jun-2019 |
| 63 | | | 697 TC 51 | 81.5 kW | |
| 64 | Tata Cummins Pvt. Ltd., Telco Township, Jamshedpur, Jharkhand | F47 | 4BTAA3.9-G4 | 82 kW | ARAI/MoEF/DGTA/TCL-F47/2016- 03 Dated 29-Dec-2016 |
| 65 | | F40 | QSB 5.9-G2 | 154 kW | ARAI/MoEF/DGTA/TCL-F40/2017- 07 Dated 23-Sep-2017 |
| 66 | | | QSB 5.9-G1 | 137 kW | |
| 67 | | F49 | 6BTAA5.9-G13 | 119 kW | ARAI/MoEF/DGTA/TCL-F49/2019- 08-E1 Dated 26-Sep-2019 |
| 68 | M/s. JCB India Ltd., 23/7, Mathura Road, Ballabgarh- 121 004, Haryana, India. | F7 | JCB 448 TG-72 | 72 kW | ICAT/MoEF/DGTA/IMP/JCB-F7/J-0542 dt.20.06.2014 |
| 69 | | | JCB 448 TG-60 | 60 kW | |
| 70 | | F8 | JCB 448 TAG-92 | 92 kW | ICAT/MoEF/DGTA/IM P/JCB-F8/J-0543 dt. 20.06.2014 |
| 71 | | F9 | JCB 448 TCAG-121 | 121kW | ICAT/MoEF/DGTA/JCB - F9/K-0463 dt. 15.06.2015 |

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|--------------------|--|---------------|------------------------------|---|--|
| S. No. | Manufacturer Name & Address | Engine Family | Engine Model | Rated Gross Mechanical Declared Power | Type Approval Certificate Number |
| 72 | VE Commercial Vehicle Ltd., 102, Industrial area No-2, Pithampur- 454775, Dist-Dhar, Madhya Pradesh | F4 | EE483TCI 62.5kVA CPCB-II | 59 kW | ARAI/MoEF/DGTA/VECV-F4/2014- 01- E1 Dated 3-Nov-2017 |
| 73 | | | EE483TCI 50kVA CPCB-II | 48 kW | |
| 74 | | F5 | EE683 TCI 82.5KVA CPCB-II | 77 kW | ARAI/MOEF/DGTA/VECV-F5/2014- 02- E1 Dated 3-Nov-2017 |
| 75 | | F7 | EE694TCI 125KVA CPCB-II | 115 kW | ARAI/MoEF/DGTA/VECV-F7/2017- 10 Dated 21-Jun-2017 |
| 76 | | | EE694TCI 100KVA CPCB-II | 95 kW | |
| 77 | | F12 | EE694 TCI 160KVA CPCB-II | 148 kW | ARAI/MoEF/DGTA/VECV- F12/2016-09 Dated 26-Aug-2016 |
| 78 | M/s. Baudouin (Weifang) Power Co. Ltd.,Add : No. 197A, Fushou East Street., High-new Technology, Industrial Development Zone,Weifang, Shandong, China. | F6 | 6M11G140/5E3 | 129 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- F6/N- 2136 dt. 16.11.2018 |
| 79 | | | 6M11G12 5/5E3 | 117 kW | |
| 80 | | | 4M11G82. 5/5E3 | 85 kW | |
| 81 | | 6M11G | 6M11G2D2/5 | 143 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- 6M11G/P-0836 dt. 06.07.2020 |
| 82 | | 4M12G6D5 | 4M12G6D2/5 | 125 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- 4M12G6D5/P-0884 dt.13.07.2020 |
| 83 | | 4M06G6D3 | 4M06G6D2/3 | 96 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- 4M06G6D3/P-0879 dt.13.07.2020 |
| 84 | | 4M06G6D5 | 4M06G6D2/5 | 60 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- 4M06G6D5/P-0882, dt.13.07.2020 |
| 85 | | 4M07G6 | 4M07G6D2/3 | 120 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- 4M07G6/P-1729 dt. 01.12.2020 |
| 86 | 4M07G2 | 4M07G2D2/5 | 78 kW | ICAT/MoEFCC/DGTA/ IMP/BWPCL- 4M07G2/P-1730 dt.01.12.2020 | |
| 87 | INTERNATIONAL TRACTOR LTD.Village - Chak, Gujran, P.O.Piplanwala, Jalandhar Road, Hoshiarpur,Punjab-146 022. | F25 | 4105GLT | 52.3 kW | ICAT/MOEF/DGTA/IT L-F25/M-1318 dt.07.07.2017 |
| 88 | | | 4105GLTL | 42.44 kW | |
| 89 | | | 4105GTIC | 66.41 kW | |
| 90 | ESCORTS LTD.Plot No. 2 & 3, Sector – 13, Faridabad – 121 007, Haryana | F9 | G62.5 | 65.5 kW | ICAT/MOEF/DGTA/ESCORTS-F9/L- 1241 dt.17.10.2016 |
| 91 | EICHER TRACTORS, (A Unit Of TAFE Motors & Tractors Ltd.) Itarana Road, Alwar- 301 001 | F12 | 1751 ES | 118 kW | ICAT/MOEFCC/DGTA/ EICHER-F12/O- 0982dt. 28.05.2019 |
| 92 | | F9 | 881ES | 60.5 kW | ICAT/MOEF/DGTA/EICHER-F9/J- 0296dt.25.03.2014 |

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| SITARAM KASHYAP DEPUTY GENERAL MANAGER | SAURABH DALELA DIRECTOR | Page 6 of 7 |

| Annexure-III Cont. | | | | | |
|--------------------|---|---------------|---------------|---|---|
| S. No. | Manufacturer Name & Address | Engine Family | Engine Model | Rated Gross Mechanical Declared Power | Type Approval Certificate Number |
| 93 | EICHER TRACTORS, (A Unit Of TAFE Motors & Tractors Ltd.) Itarana Road, Alwar- 301 001 | F5 | 621ES | 43.5 kW | ICAT/MOEF/DGTA/EICHER-F5/J-0322 dt.27.03.2014 |
| 94 | | F13 | 422 TCI | 44.14 kW | ICAT/MOEF/DGTA/EICHER -F13/J-0589 dt., 03.07.2014 |
| 95 | | F14 | 1121ES | 74.9 kW | ICAT/MoEFCC/DGTA/ EICHER-F-14/N-1814-E01 dt. 08.07.20 |
| 96 | | F15 | 1401ES | 94.3 kW | ICAT/MOEF/DGTA/EI CHER-F-15/L-0156,dt.10.02.2016 |
| 97 | | F18 | 1122ES | 74.9 kW | ICAT/MOEFCC/DGTA/ EICHER-F18/O-2045 dt. 25.11.2019 |
| 98 | | F19 | 1402ES | 94.3 kW | ICAT/MOEFCC/DGTA/ EICHER-F19/P-0506,dt. 19.03.2020 |
| 99 | M/s. Shandong Heavy Industry India Pvt. Ltd., Add: Survey No. 280/281,Hinjawadi Phase II, Village Mann, Taluka Mulshi, Pune - 411057, Maharashtra,India | F6 | 6M11G140/5E3 | 129 kW | ICAT/MoEFCC/DGTA/ SHIPL-F6/N-2135 dt. 16.11.2018 |
| 100 | | | 6M11G125/5E3 | 117 kW | |
| 101 | | | 4M11G82.5/5E3 | 85 kW | |
| 102 | | 6M11G | 6M11G2D2/5 | 143 kW | ICAT/MoEFCC/DGTA/ SHIPL- 6M11G/P-0835 dt. 06.07.2020 |
| 103 | | 4M12G 6D5 | 4M12G6D2/5 | 125 kW | ICAT/MoEFCC/DGTA/ SHIPL- 4M06G6D3/P- 0880 dt.13.07.2020 |
| 104 | | 4M06G 6D3 | 4M06G6D2/3 | 96 kW | ICAT/MoEFCC/DGTA/ SHIPL- 4M12G6D5/P- 0883 dt.13.07.2020 |
| 105 | | 4M06G 6D5 | 4M06G6D2/5 | 60 kW | ICAT/MoEFCC/DGTA/ SHIPL- 4M06G6D5/P- 0881 dt.13.07.2020 |
| 106 | | 4M07G 6 | 4M07G6D2/3 | 120 kW | ICAT/MoEFCC/DGTA/ SHIPL- 4M07G6/P- 1808 dt. 14.12.2020 |
| 107 | 4M07G 2 | 4M07G2D2/5 | 78 kW | ICAT/MoEFCC/DGTA/ SHIPL- 4M07G2/P- 1807 dt.14.12.2020 | |

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

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| AUTHORISED SIGNATORY | | |
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| SITARAM KASHYAP DEPUTY GENERAL MANAGER | SAURABH DALELA DIRECTOR | Page 7 of 7 |