National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENGINE EMISSION TEST LABORATORY, TATA MOTORS LIMITED, PUNE CVBU, PIMPRI WORKS, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8269 **Page No** 1 of 3

Validity 20/02/2023 to 19/02/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Emission Measurement Test (Tail Pipe) Off road engine(CEV & Genset)	Emission Pollutants measured during ISO 8178 TEST- CO(L)	DOC.No.:MoRTH/CMVR/TAP-115/116 Issue No.4,2010 (i) Part X _Subpart A& B - CEV (NRSC) (ISO8178 C1) (ii)GSR 771(E) & GSR 232(E) as per System Procedure for compliance to emission limits (Genset Application - ISO 8178 D2)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Emission Measurement Test (Tail Pipe) Off road engine(CEV & Genset)	Emission Pollutants measured during ISO 8178 TEST- CO2	DOC.No.:MoRTH/CMVR/TAP-115/116 Issue No.4,2010 (i) Part X _Subpart A& B - CEV (NRSC) (ISO8178 C1) (ii)GSR 771(E) & GSR 232(E) as per System Procedure for compliance to emission limits (Genset Application - ISO 8178 D2)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Emission Measurement Test (Tail Pipe) Off road engine(CEV & Genset)	Emission Pollutants measured during ISO 8178 TEST- HC	DOC.No.:MoRTH/CMVR/TAP-115/116 Issue No.4,2010 (i) Part X _Subpart A& B - CEV (NRSC) (ISO8178 C1) (ii)GSR 771(E) & GSR 232(E) as per System Procedure for compliance to emission limits (Genset Application - ISO 8178 D2)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Emission Measurement Test (Tail Pipe) Off road engine(CEV & Genset)	Emission Pollutants measured during ISO 8178 TEST- Nox	DOC.No.:MoRTH/CMVR/TAP-115/116 Issue No.4,2010 (i) Part X _Subpart A& B - CEV (NRSC) (ISO8178 C1) (ii)GSR 771(E) & GSR 232(E) as per System Procedure for compliance to emission limits (Genset Application - ISO 8178 D2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Emission Measurement Test (Tail Pipe) Off road engine(CEV & Genset)	Emission Pollutants measured during ISO 8178 TEST- PM	DOC.No.:MoRTH/CMVR/TAP-115/116 Issue No.4,2010 (i) Part X _Subpart A& B - CEV (NRSC) (ISO8178 C1) (ii)GSR 771(E) & GSR 232(E) as per System Procedure for compliance to emission limits (Genset Application - ISO 8178 D2)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Emission Measurement Test (Tail Pipe)(Vehicle engine)	Emission Pollutants measured during steady & Transient tests (ESC, ETC & ELR)- CO(L)	DOC.No.:MoRTH/CMVR/TAP-115/116 Issue No.4,2010 (i)Part XV-Chapter_03 _ Test Procedure (Automotive Diesel)

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7	CHEMICAL- ATMOSPHERIC POLLUTION	Emission Measurement Test (Tail Pipe)(Vehicle engine)	Emission Pollutants measured during steady & Transient tests (ESC, ETC & ELR)- CO2	DOC.No.:MoRTH/CMVR/TAP-115/116 Issue No.4,2010 (i)Part XV-Chapter_03 _ Test Procedure (Automotive Diesel)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Emission Measurement Test (Tail Pipe)(Vehicle engine)	Emission Pollutants measured during steady & Transient tests (ESC, ETC & ELR)- HC	DOC.No.:MoRTH/CMVR/TAP-115/116 Issue No.4,2010 (i)Part XV-Chapter_03 _ Test Procedure (Automotive Diesel)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Emission Measurement Test (Tail Pipe)(Vehicle engine)	Emission Pollutants measured during steady & Transient tests (ESC, ETC & ELR)- Nox	DOC.No.:MoRTH/CMVR/TAP-115/116 Issue No.4,2010 (i)Part XV-Chapter_03 _ Test Procedure (Automotive Diesel)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Emission Measurement Test (Tail Pipe)(Vehicle engine)	Emission Pollutants measured during steady & Transient tests (ESC, ETC & ELR)- PM	DOC.No.:MoRTH/CMVR/TAP-115/116 Issue No.4,2010 (i)Part XV-Chapter_03 _ Test Procedure (Automotive Diesel)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Engine performance Test above 3.5 Ton GVW	Power Test: Full Throttle Performance	AIS 137-Part 5
12	CHEMICAL- ATMOSPHERIC POLLUTION	Engine Tail pipe Emission above 3.5 Ton GVW	(I)Emission Pollutants measured during WHSC,WHTC,WNTE (II) Emission Pollutants measured during NRSC, NRTC, NTE- CO(L)	AIS137- Part 4, AIS137- Part 7
13	CHEMICAL- ATMOSPHERIC POLLUTION	Engine Tail pipe Emission above 3.5 Ton GVW	(I)Emission Pollutants measured during WHSC,WHTC,WNTE (II) Emission Pollutants measured during NRSC, NRTC, NTE- NH3	AIS 137- Part 4, AIS 137- Part 7
14	CHEMICAL- ATMOSPHERIC POLLUTION	Engine Tail pipe Emission above 3.5 Ton GVW	(I)Emission Pollutants measured during WHSC,WHTC,WNTE (II) Emission Pollutants measured during NRSC, NRTC, NTE- NOx	AIS 137- Part 4, AIS 137- Part 7
15	CHEMICAL- ATMOSPHERIC POLLUTION	Engine Tail pipe Emission above 3.5 Ton GVW	(I)Emission Pollutants measured during WHSC,WHTC,WNTE (II) Emission Pollutants measured during NRSC, NRTC, NTE- PM	AIS 137- Part 4, AIS 137- Part 7
16	CHEMICAL- ATMOSPHERIC POLLUTION	Engine Tail pipe Emission above 3.5 Ton GVW	(I)Emission Pollutants measured during WHSC,WHTC,WNTE (II) Emission Pollutants measured during NRSC, NRTC, NTE- PN	AIS 137- Part 4, AIS 137- Part 7

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17	CHEMICAL- ATMOSPHERIC POLLUTION	Engine Tail pipe Emission above 3.5 Ton GVW	(I)Emission Pollutants measured during WHSC,WHTC,WNTE (II) Emission Pollutants measured during NRSC, NRTC, NTE- THC	AIS 137- Part 4, AIS 137- Part 7
18	CHEMICAL- ATMOSPHERIC POLLUTION	Engine Tail pipe Emission above 3.5 Ton GVW	(I)Emission Pollutants measured during WHSC,WHTC,WNTE (II) Emission Pollutants measured during NRSC, NRTC, NTE- CO2	AIS 137- Part 4, AIS 137- Part 7
19	CHEMICAL- ATMOSPHERIC POLLUTION	Opacity Measurement(Vehicle engine & Off road engine (CEV & Genset)	Opacity	IS 8118: 2008; Directive 1999/96/EC
20	CHEMICAL- ATMOSPHERIC POLLUTION	Performance Test (Automotive Diesel > 3.5 GVW Vehicles, Off road & Genset application)	Power Test: Full Throttle Performance	Chapter 6, Part IV of MoRTH/CMVR/TAP-115/116. Issue 4,2010
21	CHEMICAL- ATMOSPHERIC POLLUTION	Vehicle Tail pipe Emission below 3.5 Ton GVW	Emission Pollutants measured during MIDC & NEDC- CO	MORTH/CMVR/TA/ 115-116 Issue4 : 2019 , R83:2015 , AIS 137 - Part 3
22	CHEMICAL- ATMOSPHERIC POLLUTION	Vehicle Tail pipe Emission below 3.5 Ton GVW	Emission Pollutants measured during MIDC & NEDC- CO2	MORTH/CMVR/TA/ 115-116 Issue4 : 2019 , R83:2015 , AIS 137 - Part 3
23	CHEMICAL- ATMOSPHERIC POLLUTION	Vehicle Tail pipe Emission below 3.5 Ton GVW	Emission Pollutants measured during MIDC & NEDC- NOx	MORTH/CMVR/TA/ 115-116 Issue4 : 2019 , R83:2015 , AIS 137 - Part 3
24	CHEMICAL- ATMOSPHERIC POLLUTION	Vehicle Tail pipe Emission below 3.5 Ton GVW	Emission Pollutants measured during MIDC & NEDC- Opacity	MORTH/CMVR/TA/ 115-116 Issue4 : 2019 , R83:2015 , AIS 137 - Part 3
25	CHEMICAL- ATMOSPHERIC POLLUTION	Vehicle Tail pipe Emission below 3.5 Ton GVW	Emission Pollutants measured during MIDC & NEDC- PM	MORTH/CMVR/TA/ 115-116 Issue4 : 2019 , R83:2015 , AIS 137 - Part 3
26	CHEMICAL- ATMOSPHERIC POLLUTION	Vehicle Tail pipe Emission below 3.5 Ton GVW	Emission Pollutants measured during MIDC & NEDC- PN	MORTH/CMVR/TA/ 115-116 Issue4 : 2019 , R83:2015 , AIS 137 - Part 3
27	CHEMICAL- ATMOSPHERIC POLLUTION	Vehicle Tail pipe Emission below 3.5 Ton GVW	Emission Pollutants measured during MIDC & NEDC-THC	MORTH/CMVR/TA/ 115-116 Issue4 : 2019, R83:2015, AIS 137 - Part 3