National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MAHINDRA & MAHINDRA LTD. POWERTRAIN DEVELOPEMENT CENTER, PLANT 1, PLOT NO 89, SATPUR MIDC, NASHIK, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6866 **Page No** 1 of 3

Validity 25/02/2022 to 24/02/2024 **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 of pollutant from Positive & compression engine powered vehicle	Tail Pipe Emission (Type –II Test - Idling) HC	MoRTH/CMVR/TAP/115-116 Issue no 4, Part I, GSR 103 (E),
2	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail Pipe Emission (Type –II Test - Idling) HC	EEC 70/220 as amended by 98/69/EC and 2003/76/EC (Except Type IV, V & VI tests)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail Pipe Emission (Type –II Test - Idling) HC	BSVI AIS 137 Part 3, GSR 881 (E),
4	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail Pipe Emission (Type –II Test - Idling) HC	R83, Revision 5, 0 (Except Type IV, V & VI tests) R-101 Rev 3,
5	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail Pipe Emission (Type –II Test - Idling) CO	BSVI AIS 137 Part 3, GSR 881 (E),
6	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail Pipe Emission (Type –II Test - Idling) CO	EEC 70/220 as amended by 98/69/EC and 2003/76/EC (Except Type IV, V & VI tests)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail Pipe Emission (Type –II Test - Idling) CO	R83, Revision 5, 0 (Except Type IV, V & VI tests) R-101 Rev 3.
8	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail Pipe Emission (Type –II Test - Idling) CO	MoRTH/CMVR/TAP/115-116 Issue no 4, Part I,GSR 103 (E),
9	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail Pipe Emission (Type –II Test) - Free acceleration smoke.	BSVI AIS 137 Part 3, GSR 881 (E),
10	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail Pipe Emission (Type –II Test) - Free acceleration smoke.	MoRTH/CMVR/TAP/115-116 Issue no 4, Part II, GSR 103 (E),
11	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail Pipe Emission (Type –II Test) - Free acceleration smoke.	R83, Revision 5, 0 (Except Type IV, V & VI tests) R-101 Rev 3,
12	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail Pipe Emission (Type –II Test) - Free acceleration smoke.	EEC 70/220 as amended by 98/69/EC and 2003/76/EC (Except Type IV, V & VI tests)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - Carbon Dioxide (CO2)	BSVI AIS 137 Part 3, GSR 889 (E),
14	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - Carbon Dioxide (CO2)	MoRTH/CMVR/TAP/115-116 Issue no 4,Part VII, Part XI,Part XIV GSR 686 (E),GSR 84 (E),

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15	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - CO	EEC 70/220 as amended by 98/69/EC and 2003/76/EC (Except Type IV, V & VI tests)
16	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - CO	BSVI AIS 137 Part 3, GSR 889 (E),
17	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - CO	MoRTH/CMVR/TAP/115-116 Issue no 4,Part VII, Part XI,Part XIV,GSR 686 (E), GSR 84 (E),
18	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - CO	R83, Revision 5, 0 (Except Type IV, V & VI tests) R-101 Rev 3,
19	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - Methane.(CH4)	BSVI AIS 137 Part 3, GSR 889 (E),
20	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - Methane.(CH4)	EEC 70/220 as amended by 98/69/EC and 2003/76/EC (Except Type IV, V & VI tests)
21	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - Methane.(CH4)	MoRTH/CMVR/TAP/115-116 Issue no 4,Part VII, Part XI,Part XIV,GSR 686 (E),GSR 84 (E),
22	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - Methane.(CH4)	R83, Revision 5, 0 (Except Type IV, V & VI tests) R-101 Rev 3,
23	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - Nitrogen Oxide (NOx)	BSVI AIS 137 Part 3, GSR 889 (E),
24	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - Nitrogen Oxide (NOx)	EEC 70/220 as amended by 98/69/EC and 2003/76/EC (Except Type IV, V & VI tests)
25	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - Nitrogen Oxide (NOx)	MoRTH/CMVR/TAP/115-116 Issue no 4,Part VII, Part XI,Part XIV GSR 686 (E),GSR 84 (E),
26	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) - Nitrogen Oxide (NOx)	R83, Revision 5, 0 (Except Type IV, V & VI tests) R-101 Rev 3,
27	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) -Carbon Dioxide (CO2)	EEC 70/220 as amended by 98/69/EC and 2003/76/EC (Except Type IV, V & VI tests)
28	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) -Carbon Dioxide (CO2)	R83, Revision 5, 0 (Except Type IV, V & VI tests) R-101 Rev 3

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29	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) -Hydrocarbons (HC)	EEC 70/220 as amended by 98/69/EC and 2003/76/EC (Except Type IV, V & VI tests)
30	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) -Hydrocarbons (HC)	BSVI AIS 137 Part 3, GSR 889 (E)
31	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) -Hydrocarbons (HC)	MoRTH/CMVR/TAP/115-116 Issue no 4,Part VII, Part XI,Part XIV GSR 686 (E),GSR 84 (E),
32	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) -Hydrocarbons (HC)	R83, Revision 5, 0 (Except Type IV, V & VI tests) R-101 Rev 3
33	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) -Particulate Mass (PM)	BSVI AIS 137 Part 3, GSR 889 (E),
34	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) -Particulate Mass (PM)	EEC 70/220 as amended by 98/69/EC and 2003/76/EC (Except Type IV, V & VI tests)
35	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) -Particulate Mass (PM)	MoRTH/CMVR/TAP/115-116 Issue no 4,Part VII, Part XI, Part XIV,GSR 686 (E),GSR 84 (E),
36	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) -Particulate Mass (PM)	R83, Revision 5, 0 (Except Type IV, V & VI tests) R-101 Rev 3
37	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) -Particulate Number .	EEC 70/220 as amended by 98/69/EC and 2003/76/EC (Except Type IV, V & VI tests)
38	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Tail pipe emissions (Type – I Test) -Particulate Number .	BSVI AIS 137 Part 3, GSR 889 (E),
39	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Type –III Test : Crankcase Emission	EEC 70/220 as amended by 98/69/EC and 2003/76/EC (Except Type IV, V & VI tests)
40	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Type –III Test : Crankcase Emission	BSVI AIS 137 Part 3,
41	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Type –III Test : Crankcase Emission.	MoRTH/CMVR/TAP/115-116 Issue no 4, Part VII
42	CHEMICAL- ATMOSPHERIC POLLUTION	Emission of pollutant from Positive & compression engine powered vehicle	Type –III Test : Crankcase Emission.	R83, Revision 5, 0 (Except Type IV, V & VI tests) R-101 Rev 3