National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	CENTRAL FARM MACHINERY TRAINING & TESTING INSTITUTE (CMVR TEST LABORATORY), TRACTOR NAGAR COLONY, P.O. BUDNI, SEHORE, MADHYA PRADESH, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
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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	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Component for Agricultural Tractors and Combine Harvesters (Lamp Height (H) Above Ground Level, Width(a)- Distance between inner edges of same category of lamps, Width(d)- Distance of the illuminating surface furthest from the median longitudinal plane to extreme outer edge of the tractor, Length (L)- Distance between the center of reference of the illuminating surface and the transverse plane which marks the forward boundary of the tractor's overall length)	AIS 030, MoRTH CMVR Rule 124 A Sub Rule (2A)
2	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Silencer (Provision of Silencer)	GSR 111 (E) , MoRTH, CMVR Rule, Rule 120 Sub Rule (1)
3	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Brakes for Agricultural Tractor (To check the provision of hydraulic brake system i.e. Trailer Brake Valve for braking agricultural trailer)	MoRTH CMVR Rule 96C(a),(b),(c),(d), AIS 043 and GSR 492
4	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Brakes for Agricultural Tractor (Performance of Service Brake and Parking Brake)	IS 12061, MoRTH, CMVR Rule 96 C
5	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Condition of Tyres (To maintain recommended inflation pressure in tyres to keep them properly inflated and to check visually that the tyres are in good & sound condition)	MoRTH, CMVR Rule, Rule 94, Sub Rule (2)
6	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Condition of Tyres (Visually checking that pneumatic tyres are fitted and there is no exposed fabric/cut/abrasion/ deformation/ swelling/ patched /repaired by an outer gaiter/patch to ensure good & sound condition)	MoRTH, CMVR Rule, Rule 94, Sub Rule (1) and Sub Rule (3) (i),(ii), (iii)

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7	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Deflection of Light (To check visually that head lamps are so constructed, fitted and maintained	GSR 291(E), MoRTH, CMVR Rule, Rule 106 Sub Rule (1)
8	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Embossment of Chassis Number and Engine Number or in case of Battery Operated Vehicles, Motor Number and Month of Manufacturer (Height of Chassis and Engine Number)	AIS 117, MoRTH, CMVR Rule 122 Sub Rule (2)
9	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Embossment of Chassis Number and Engine Number or in case of Battery Operated Vehicles, Motor Number and Month of Manufacturer (To visually check presence of Identification Number, Labeling Plate)	AIS 117, MoRTH, CMVR Rule 122 Sub Rule (1A)
10	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Exhaust Gases (Type of exhaust gas pipe/ silencer i.e. Vertical/ Horizontal, and its outlet direction	GSR 338 (E), MoRTH, CMVR Rule 112
11	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Fitment of Reflectors (Area)	MoRTH, CMVR Rule, Rule 104B, Sub Rule (1)
12	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Fitment of Reflectors (Shape)	MoRTH, CMVR Rule, Rule 104B, Sub Rule (1)
13	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Form and Manner of Display of Registration Mark on the Vehicle (Angle)	MoRTH, CMVR Rule 50, Sub Rule (5)
14	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Form and Manner of Display of Registration Mark on the Vehicle (Size)	MoRTH, CMVR Rule 50, Sub Rule (1)(vi)
15	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Forward and Backward Motion (To check by operating the vehicle that it is capable of moving in forward and backward under its own power)	MoRTH, CMVR Rule 99
16	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Horns (To check that no multi-tone horn/ harsh sound producing device is fitted)	MoRTH CMVR 119 Sub Rule (2)

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17	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Mass of Tractor	AIS 007
18	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Maximum Speed (To derive maximum speed (Distance ÷ Time) of Agricultural Tractor by running it on concrete track for a distance of 100 meter)	MoRTH, CMVR Rule 124A Sub Rule (13) AIS 116
19	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Overall Dimension (Length, Width, Height Overhang, Lateral Projection)	MoRTH, CMVR Rule, Rule 93A, Sub Rule (1), (2), (3) and (4)
20	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Painting of Motor Vehicle (To ensure visually that that machine is not painted in Olive Green colour)	GSR 212 (E), MoRTH, CMVR Rule, Rule 121 Sub Rule (1)
21	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Safety Belts, Collapsible Steering Column, Auto-Dipper and Padded (To visually check the provision/ installation of Rear View Mirror)	AIS 114, MoRTH, CMVR Rule, Rule 125 Sub Rule (2)
22	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Safety Standards of Component for Agricultural Tractors and Combine Harvesters	AIS 030, MoRTH CMVR Rule 124 A Sub Rule (2A)
23	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (Angle of Geometric Visibility of lamps fitted as per safety standard AIS: 030)	MoRTH, CMVR Rule 124A Sub Rule (2A)
24	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (Dimension of Front Coupling Devices)	AIS 109, MoRTH CMVR Rule 124 A Sub Rule (5 B)
25	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (Driver's Field of Vision of Agricultural Tractors)	AIS 107, MoRTH, CMVR Rule, Rule 124 A Sub Rule (12)

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26	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (Fitment Clearance around the Grab Handles of Front Ballast Mass)	AIS 105, MoRTH, CMVR Rule, Rule 124 A Sub Rule (8)
27	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (Height and Depth of Attendant’s Seat)	AIS 111, MoRTH, CMVR Rule, Rule 124 A Sub Rule (11)
28	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (Length, Height from Ground etc. of Load Platform fitted on Agricultural Tractors)	AIS 106, MoRTH, CMVR Rule, Rule 124 A Sub Rule (10)
29	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (Mass of each Ballast Mass fitted)	AIS 105, MoRTH, CMVR Rule, Rule 124 A Sub Rule (8)
30	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (Maximum Design Speed)	AIS 116, MoRTH, CMVR Rule, Rule 124 A Sub Rule (13)
31	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (To check visually cracks in Wheel Nuts/ Bolts by applying maximum torque Value 30 percent in excess of manufacturer’s recommendations and sharp edges, cracks in Hub Caps)	IS 13941, MoRTH, CMVR Rule, Rule 124 A Sub Rule (7)
32	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Silencer (Noise Level in Operator's Ear & Bystander's Position)	AIS 115 (part 1 and 2), MoRTH, CMVR Rule, Rule 120 Sub Rule (3)

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33	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Size and Ply Rating of Tyres for Agricultural Tractors (To visually check if Max Load Capacity and Rim Size is mentioned on wheel & wheel rim respectively)	MoRTH, CMVR Rule, Rule 95 A Sub Rule (1) and (2)
34	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Speedometer (To visually check the provision of Speedometer)	GSR 338 (E) 1993, MoRTH, CMVR Rule, Rule 117 Sub Rule (1)
35	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Steering Gears for Agricultural Tractors (Backlash in Steering Wheel)	MoRTH, CMVR Rule, Rule 98 B, Sub Rule (1)
36	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Steering Gears for Agricultural Tractors (Steering Force/ Effort)	AIS 042, MoRTH, CMVR Rule, Rule 98 B, Sub Rule (3)
37	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Steering Gears for Agricultural Tractors (Turning and Clearance Diameter)	IS 11859, MoRTH, CMVR Rule, Rule 98 B, Sub Rule (2)
38	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Stering Geears for Agricultural Tractor (Diameter of Steering Control Wheel)	AIS 042, CMVR Rule 98B, Sub Rule (3)
39	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Tractor	Use of Red, White or Blue Light (To visually check if only authorised colour of lights are used)	GSR 400 (E), MoRTH, CMVR Rule, Rule 108 Sub Rule (1)
40	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Condition of Tyres (To maintain recommended inflation pressure in tyres to keep them properly inflated and to check visually that the tyres are in good & sound condition)	MoRTH, CMVR Rule 94, Sub Rule (2)
41	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Brakes for trailers (Performance of Service Brake and Parking Brake)	AIS 043
42	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Brakes for trailers (To check the provision of braking system)	MoRTH, CMVR Rule 97 Sub rule (3)
43	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Category of trailer (To measure the Unladen and laden Mass of Front Axle and/or Rear Axle for categorisation of trailer)	AIS:043

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44	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Category of trailer (To visually check the Type of Trailer and Number of axles fitted)	AIS:043
45	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Condition of Tyres (Visually checking that pneumatic tyres are fitted and there is no exposed fabric/cut/abrasion/ deformation/ swelling/ patched /repaired by an outer gaiter/patch to ensure good and sound condition)	MoRTH, CMVR Rule 94 Sub Rule (1), Sub Rule (3) (i), (ii) (iii)
46	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Definition (To check visually if the machine can be defined as Agricultural Trailer)	MoRTH, CMVR Rule 2(C)
47	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Fitment of Reflectors (Area of Reflector)	MoRTH, CMVR Rule 104 Sub Rule (3)(iii)
48	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Fitment of Reflectors (To visually check the colour and quantity of reflectors fitted)	MoRTH, CMVR Rule 104 Sub Rule (3)(i),(ii)
49	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Overall dimensions of Trailer (Length, Width, height, Wheel Base, Wheel Track / Track Width and Height of the Trailer Load Platform from Ground)	AIS:043
50	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Rear Warning Triangle (To visually check the provision of Rear Warning Triangle)	AIS 030
51	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Size and Ply Rating of Tyres for Agricultural Trailers (To visually check if Max Load Capacity and Rim Size is mentioned on wheel & wheel rim respectively)	MoRTH, CMVR Rule
52	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Symbol "T" (Dimension)	IS 9942
53	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Trailer hitch details (Diameter of pin hole / eye)	IS 11270, IS 8213
54	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Trailer hitch details (Height above the ground in traveling mode)	IS 11270 , IS 8213

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55	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Trailer hitch details (Horizontal distance between hitch point and wheel center)	IS 11270, IS 8213
56	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Agricultural Trailer	Trailer hitch details (To visually check the Type of Hitch provided)	AIS:043
57	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Brakes for construction equipment vehicles (To check performance of Service Brake & Parking Brake)	MoRTH, CMVR Rule 96A Sub Rule (2), (4) & (7)
58	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Brakes for construction equipment vehicles (To check the type of Service & Parking brake, Location of brakes, No. of braking wheels)	MoRTH, CMVR Rule 96A Sub Rule (1), (3), (5), (6)
59	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Condition of Tyres (To maintain recommended inflation pressure in tyres to keep them properly inflated and to check visually that the tyres are in good & sound condition)	MoRTH, CMVR Rule 94 Sub Rule (2)
60	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Condition of Tyres (Visually checking that pneumatic tyres are fitted and there is no exposed fabric/cut/abrasion/ deformation/ swelling/ patched /repaired by an outer gaiter/patch to ensure good and sound condition)	MoRTH, CMVR Rule 94 Sub Rule (1) and Sub Rule (3) (i),(ii), (iii)
61	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Deflection of Light (To check visually that head lamps are so constructed, fitted)	GSR 291(E), MoRTH, CMVR Rule 106 Sub Rule (1)
62	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Embossment of Chassis Number and Engine Number or in case of Battery Operated Vehicles, Motor Number and Month of Manufacturer (Height of Chassis & Engine Number)	MoRTH, CMVR Rule 122 Sub Rule (2)

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63	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Embossment of Chassis Number and Engine Number or in case of Battery Operated Vehicles, Motor Number and Month of Manufacturer (To visually check presence of Identification Number, Labeling Plate)	AIS 117, MoRTH, CMVR Rule 122 Sub Rule (1A)
64	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Exhaust Gas (Type of exhaust gas pipe/ silencer i.e. Vertical/ Horizontal, and its outlet direction	MoRTH, CMVR Rule 112
65	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Fitment of reflectors on construction equipment vehicles and combine harvesters (Height above Ground, Area , Distance between consecutive reflectors and Width of Retro-Reflective Tape/ Paint)	MoRTH, CMVR Rule 104A Sub Rule (iv) & (v)
66	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Fitment of reflectors on construction equipment vehicles and combine harvesters (To visually check the provision of two white reflectors in front, two red reflectors in rear, two amber colour reflectors on sides and Retro-reflective Tapes/ Paint)	MoRTH, CMVR Rule 104A Sub Rule (i), (ii) and (iii)
67	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Form and Manner of Display of Registration Mark on the Vehicle (Angle)	MoRTH, CMVR Rule 50 Sub Rule (5)
68	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Form and Manner of Display of Registration Mark on the Vehicle (Size)	MoRTH, CMVR Rule 50 Sub Rule (1-iv)
69	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Forward and Backward Motion (To check by operating the vehicle that it is capable of moving in forward and backward under its own power)	MoRTH, CMVR Rule 99
70	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Horns (To check that no multi-tone horn/ harsh sound producing device is fitted)	MoRTH CMVR 119 Sub Rule (2)

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71	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Lamps (To visually check provision of safety lights for clear vision when there is no sufficient light such as two or four lamps showing white light to the front, two lamps showing red lights to the rear, safety lights while reversing such as two lamps at rear along with audible warning system, Head lamp location)	MoRTH, CMVR Rule 105 Sub Rule (1)(d), (2)(ii), (3A), (8A)
72	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Location of exhaust pipe	MoRTH, CMVR Rule 113
73	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Overall dimensions for construction equipment vehicles (Width, Length, Height, Overhang, Lateral Projection)	MoRTH, CMVR Rule 93 Sub Rule (1A),(3A), (4A), (6A), (7A)
74	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Painting of Motor Vehicle (To ensure visually that that machine is not painted in Olive Green colour)	GSR 212 (E), MoRTH, CMVR Rule 121 Sub Rule (1)
75	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Parking Light (To visually check provision of one white/ amber light on each side in front and two red parking lights one on each side at rear)	MoRTH, CMVR Rule 109
76	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Position of the Indicator (To check if direction indicators are operating correctly and can give hazard warning when vehicle is in immobilised condition)	MoRTH, CMVR Rule 103 Sub Rule (1) and (2)
77	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Prohibition of spot lights, etc. (To visually check that no spot light/search lights are fitted on front side)	MoRTH, CMVR Rule 111

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78	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Signaling devices, direction indicators and stop lights (To visually check that there is a provision of electrically operated direction indicator lamps and stop lamps, Light emitted by Direction Indicator lamps are of amber colour, Stop Lamps are red in colour, light emitted by the lamps when in operation are clearly visible)	MoRTH, CMVR Rule 102, Sub Rule (1)(i),(ii) and (2)
79	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Silencer (Noise Level in Operator's Ear & Bystander's Position)	AIS 115(part 1 and 2), MoRTH, CMVR Rule 120 Sub Rule (3)
80	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Silencer (Provision of Silencer)	MoRTH, CMVR Rule 120 Sub Rule (1)
81	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Size and Ply Rating of Tyres (To check visually if the Size, Week and Year Code or Month and Year Code of manufacture, Max. Load Carrying Capacity mentioned on tyres)	MoRTH, CMVR Rule 95 Sub Rule (2), (5-i) and (5-ii)
82	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Speedometer (To visually check the provision of Speedometer)	MoRTH, CMVR Rule 117 Sub Rule (1)
83	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Steering gears for construction equipment vehicles (Backlash in Steering Wheel)	MoRTH, CMVR Rule 98A Sub Rule (1)
84	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Steering gears for construction equipment vehicles (Steering Force/ Effort)	AIS 042, MoRTH, CMVR Rule 98A Sub Rule (3)
85	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Steering gears for construction equipment vehicles (Turning and Clearance Diameter)	IS 11859, MoRTH, CMVR Rule 98ASub Rule (2)
86	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Use of red or white light on construction equipment vehicles (To visually check if only authorised colour of lights are used)	GSR 642 (E), GSR 212 (E), MoRTH, CMVR Rule 108A

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87	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and non- agricultural equipment / implements attached and / or mounted on Agricultural Tractor	Definition (To check visually if the machine can be defined as construction equipment vehicle)	MoRTH, CMVR Rule 2 (cab)
88	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipment / implements attached and / or mounted on Agricultural Tractor	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (Fitment Clearance around the Grab Handles of Front Ballast Mass)	AIS 105, MoRTH, CMVR Rule, Rule 124 A Sub Rule (8)
89	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipment / implements attached and / or mounted on Agricultural Tractor	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (Mass of each Ballast Mass fitted)	MoRTH, CMVR Rule, Rule 124 A Sub Rule (8)
90	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipment / implements attached and / or mounted on Agricultural Tractor	Signaling devices, Direction Indicators and Stop Lights (Area of Illumination)	MoRTH, CMVR Rule 102 Sub Rule (1) (iii)
91	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Implement lights for construction equipment vehicle (To visually check the provision of additional lights wherever necessary)	MoRTH, CMVR Rule 107A
92	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and no agricultural equipments / implements attached and / or mounted on Agricultural Tractor	Stering Geears for Construction Equipment Vehicles (Diameter of Steering Control Wheel)	AIS 042, CMVR Rule 98A, Sub Rule (3)
93	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Air Compressor, Front end load, Back hoe and other agricultural and non agricultural equipment/ implements attached and / or mounted on Agricultural Tractor	Mass of machine	AIS 007
94	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (Angle of Geometric Visibility of lamps)	MoRTH, CMVR Rule 124A Sub Rule (2A)

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95	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (Lamp Height (H) Above Ground Level, Width(a)- Distance between inner edges of same category of lamps, Width(d)- Distance of the illuminating surface furthest from the median longitudinal plane to extreme outer edge of the tractor, Length (L)- Distance between the center of reference of the illuminating surface and the transverse plane which marks the forward boundary of the tractor's overall length)	AIS 030, MoRTH CMVR Rule 124 A Sub Rule (2A)
96	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (To visually check the installation of Lighting and Light Signalling Devices as per Safety Standard AIS: 030 (Revision-1)-2012)	AIS 030, MoRTH CMVR Rule 124 A Sub Rule (2A)
97	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Lamps (Height of Rear Lamps)	MoRTH, CMVR Rule 105 Sub-rule (4)
98	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Brakes for combine harvester (Performance of Service Braking System)	MoRTH, CMVR Rule 96E Sub Rule (1) & (2)
99	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Condition of Tyres (To maintain recommended inflation pressure in tyres to keep them properly inflated and to check visually that the tyres are in good & sound condition)	MoRTH, CMVR Rule 94, Sub Rule (2)
100	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Condition of Tyres (Visually checking that pneumatic tyres are fitted and there is no exposed fabric/cut/abrasion/ deformation/ swelling/ patched /repaired by an outer gaiter/patch to ensure good and sound condition)	MoRTH, CMVR Rule 94 Sub Rule (1) and Sub Rule (3)(i),(ii),(iii)

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101	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Definition (To check visually if the machine can be defined as Combine Harvester)	MoRTH, CMVR Rule 2 Sub Rule (ca)
102	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Deflection of Light (To check visually that head lamps are so constructed, fitted and maintained that the beam light emitted there from meets requirement of safety standard as per AIS: 034-2010 notified under CMVR Rule 124A.	GSR 291(E), MoRTH, CMVR Rule 106 Sub Rule (1)
103	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Embossment of Chassis Number and Engine Number or in case of Battery Operated Vehicles, Motor Number and Month of Manufacturer (To visually check presence of Identification Number, Labeling Plate)	MoRTH, CMVR Rule 122 Sub Rule (1A) & (1B)
104	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Exhaust Gas (Type of exhaust gas pipe may be vertical and its outlet direction shall be such that the driver is not exposed to exhaust gases).	MoRTH, CMVR Rule 112
105	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Fitment of reflectors on construction equipment vehicles and combine harvesters (Height above Ground, Area , Distance between consecutive reflectors and Width of Retro-Reflective Tape/ Paint)	MoRTH, CMVR Rule 104A (iv), (v)
106	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Fitment of reflectors on construction equipment vehicles and combine harvesters (To visually check the provision of two white reflectors in front, two red reflectors in rear, two amber colour reflectors on sides and Retro-reflective Tapes/ Paint)	MoRTH, CMVR Rule 104A (i), (ii), (iii)
107	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Form and Manner of Display of Registration Mark on the Motor Vehicle (Locations)	MoRTH, CMVR Rule 50 Sub Rule (1) (2nd Prov.)

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108	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Form and Manner of Display of Registration Mark on the Motor Vehicle (Size)	MoRTH, CMVR Rule 50 Sub Rule (1) (2nd Prov.)
109	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Forward and Backward Motion (To check by operating the vehicle that it is capable of moving in forward and backward under its own power)	MoRTH, CMVR Rule 99
110	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Horns (To check that no multi-tone horn/ harsh sound producing device is fitted)	MoRTH CMVR Rule 119 Sub Rule (2)
111	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Lamps (To visually check provision of safety lights for clear vision when there is no sufficient light such as two or four lamps showing white light to the front, two lamps showing red lights to the rear, safety lights while reversing such as two lamps at rear along with audible warning system, Head lamp location)	MoRTH, CMVR Rule 105 Sub-rule (1-d), (2-ii), (3B), (8B)
112	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Location of exhaust pipe	MoRTH, CMVR Rule 113
113	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Mass of Harvester (Front,Rear,LHS, RHS, Gross Total Mass and also Gross Total Mass with Trailer)	AIS 007
114	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Maximum Speed (To derive maximum speed (Distance ÷ Time) of Combine Harvester by running it on concrete track for a distance of 100 meter)	MoRTH, CMVR Rule 2 Sub rule (ca)
115	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Overall Dimension (Width, Length, Height Overhang, Lateral Projection)	MoRTH, CMVR Rule 93 Sub Rule (1B), (3A), (4A), (6A) and (7A)
116	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Painting of Motor Vehicle (To ensure visually that that machine is not painted in Olive Green colour)	GSR 212 (E), MoRTH, CMVR Rule 121 Sub Rule (1)

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117	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Parking Light (To visually check provision of one white/ amber light on each side in front and two red parking lights one on each side at rear)	MoRTH, CMVR Rule 109
118	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Position of the Indicator (To check if direction indicators are operating correctly and can give hazard warning when vehicle is in immobilised condition)	MoRTH, CMVR Rule 103 Sub Rule (1) and (2)
119	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Prohibition of spot lights, etc. (To visually check that no spot lights/search lights are fitted on front side)	MoRTH, CMVR Rule 111
120	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Safety- belt etc. for construction equipment vehicles and combine harvesters (To visually check that for a Combine harvester fitted with a cabin shall be equipped with a seat belt for the driver and with rear view mirror)	MoRTH, CMVR Rule 125A
121	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Safety Standards of Component for Agricultural Tractors and Combine Harvesters (To check visually cracks in Wheel Nuts/ Bolts by applying maximum torque Value 30 percent in excess of manufacturer's recommendations and sharp edges, cracks in Hub Caps)	IS 13941, MoRTH, CMVR Rule 124 A, Sub Rule (7)
122	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Signaling devices, Direction Indicators and Stop Lights (Area of Illumination)	MoRTH, CMVR Rule 102 Sub Rule (1) (iii)

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123	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Signaling devices, direction indicators and stop lights (To visually check that there is a provision of electrically operated direction indicator lamps and stop lamps, Light emitted by Direction Indicator lamps are of amber colour, Stop Lamps are red in colour, light emitted by the lamps when in operation are clearly visible)	MoRTH, CMVR Rule 102, Sub Rule (1)(i),(ii) and (2)
124	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Silencer (Noise Level in Operator's Ear & Bystander's Position)	AIS 115(part 1 and 2), MoRTH, CMVR Rule 120 Sub Rule (5)
125	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Silencer (Provision of Silencer)	MoRTH, CMVR Rule 120 Sub Rule (1)
126	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Size and Ply Rating of Tyres (To visually check if Size, Ply Rating, Month & year of manufacture, Max Load Capacity, Size of tyres mentioned on tyres and also included in ITTAC or International Standards namely – ECE, JATMA, ETRTO & T&RA)	MoRTH, CMVR Rule 95 Sub Rule (2A), (3), (5-i), (5-ii), (6)
127	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Speedometer (To visually check the provision of Speedometer)	MoRTH, CMVR Rule 117 Sub Rule (1)
128	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Steering Gears for Combine Harvester (Diameter of Steering Control Wheel)	AIS 042, CMVR Rule 98D, Sub Rule (2)
129	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Steering gears for combine harvester (Steering Force/ Effort)	AIS 042, MoRTH, CMVR Rule 98 D Sub Rule (2)
130	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Steering gears for combine harvester (Turning and Clearance Diameter)	IS 11859, MoRTH, CMVR Rule 98D Sub Rule (1)
131	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Combine Harvester (self propelled, tractor mounted, tractor driven) and Sugarcane Harvester (self propelled, tractor mounted, tractor driven)	Use of red / white light on construction equipment vehicles and combine harvesters (To visually check if only authorised colour of lights are used)	GSR 212(E), MoRTH, CMVR Rule 108A

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132	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Braking requirement of Power tiller coupled to Trailer (Performance of Service Brake and Parking Brake)	MoRTH, CMVR Rule 96DSub Rule (ii) and (iii)
133	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Braking requirement of Power tiller coupled to Trailer (To measure the Gross Mass of Power Tiller (With & withot tail wheel and seating arrangement) and Trailer prior to carrying out brake performance test)	MoRTH, CMVR Rule 96D, Sub rule (i)
134	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Condition of Tyres (To maintain recommended inflation pressure in tyres to keep them properly inflated and to check visually that the tyres are in good & sound condition)	MoRTH, CMVR Rule 94, Sub Rule (2)
135	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Condition of Tyres (Visually checking that pneumatic tyres are fitted and there is no exposed fabric/cut/abrasion/ deformation/ swelling/ patched /repaired by an outer gaiter/patch to ensure good and sound condition)	MoRTH, CMVR Rule 94 and Sub Rule (1) and Sub Rule (3)(i),(ii),(iii)
136	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Definition (To check visually if the machine can be defined as Power Tiller)	MoRTH, CMVR Rule 2 Sub Rule (v)
137	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Deflection of Light (To check visually that head lamps are so constructed, fitted and maintained that the beam light emitted there from meets requirement of safety standard as per AIS: 034-2010 notified under CMVR Rule 124B)	MoRTH, CMVR Rule 106, Sub Rule (1)
138	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Embossment of Chassis Number and Engine Number or in case of Battery Operated Vehicles, Motor Number and Month of Manufacturer (Height of Chassis & Engine Number)	MoRTH, CMVR Rule 122, Sub Rule (2)

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139	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Embossment of Chassis Number and Engine Number or in case of Battery Operated Vehicles, Motor Number and Month of Manufacturer (To visually check presence of Identification Number, Labeling Plate)	AIS 117, MoRTH, CMVR Rule 122, Sub Rule (1A)
140	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Exhaust Gas (Type of exhaust gas pipe/ silencer i.e. Vertical/ Horizontal, and its outlet direction shall be such that the driver is not exposed to exhaust gases)	GSR 338 (E), MoRTH, CMVR Rule 112
141	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Fitment of reflectors on power tillers (Area of Reflectors)	MoRTH, CMVR Rule 104C, Sub rule (1) and (2)
142	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Fitment of reflectors on Power Tillers (To visually check colour & number of reflectors fitted)	MoRTH, CMVR Rule 104C, Sub rule (1) and (2)
143	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Forward and Backward Motion (To check by operating the vehicle that it is capable of moving in forward and backward under its own power)	MoRTH, CMVR Rule 99
144	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Horn (To check that no multi-tone horn/ harsh sound producing device is fitted)	MoRTH CMVR 119 Sub Rule (2)
145	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Lamps (To visually check provision of safety lights for clear vision when there is no sufficient light such as two or four lamps showing white light to the front, two lamps showing red lights to the rear, Head lamp location)	IS 8415, MoRTH, CMVR Rule 105, Sub rule (1d), (2) and (3)
146	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Maximum Haulage Capacity (To measure the gross mass of Power Tiller coupled to a Trailer)	MoRTH, CMVR Rule 2 Sub Rule (v)
147	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Maximum Speed (To derive maximum speed (Distance ÷ Time) of Combine Harvester by running it on concrete track for a distance of 100 meter)	MoRTH, CMVR Rule 2 and Sub Rule (v)

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148	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Overall Dimension (Length, Width, Height with riding attachment and Length, Width, Height when coupled to trailer)	MoRTH, CMVR Rule 93B Sub Rule (1),(2),(3),(4),(5) and (6)
149	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Painting of Motor Vehicle (To ensure visually that that machine is not painted in Olive Green colour)	GSR 212 (E), MoRTH, CMVR Rule 121 Sub Rule (1)
150	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Parking Light (To visually check provision of one white/ amber light on each side in front and two red parking lights one on each side at rear)	MoRTH, CMVR Rule 109
151	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Position of the Indicator (To check if direction indicators are operating correctly and can give hazard warning when vehicle is in immobilised condition)	MoRTH, CMVR Rule 103, Sub rule (1) and (2)
152	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Prohibition of spot lights, etc. (To visually check that no spot lights/search lights are fitted on front side)	MoRTH, CMVR Rule 111
153	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Safety Standards of Component for Power Tillers (To check visually compliance to all parameters pertaining to Safety & Comfort of Operator)	IS 12239 (Part 3), MoRTH CMVR Rule 124B Sub Rule (3)
154	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Signaling devices, direction indicators and stop lights (To visually check that there is a provision of electrically operated direction indicator lamps and stop lamps, Light emitted by Direction Indicator lamps are of amber colour, Stop Lamps are red in colour, light emitted by the lamps when in operation are clearly visible)	MoRTH, CMVR Rule 102 Sub Rule (1) (i),(ii), (iii) and (2)
155	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Silencer (Noise Level in Operator's Ear & Bystander's Position)	IS 12180 , MoRTH, CMVR Rule 120, Sub Rule (4)

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156	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Silencer (Provision of Silencer)	GSR 111 (E), MoRTH, CMVR Rule 120 Sub Rule (1)
157	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Size and Ply Rating of Tyres for power tillers (To check visually if Max Load Capacity and Rim Size mentioned on tyres and wheel rim respectively)	MoRTH, CMVR Rule 95B, Sub Rule (1) and (2)
158	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Steering Gears for power tillers (Turning circle diameter and the turning clearance circle diameter)	MoRTH, CMVR Rule 98C, IS 12222
159	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	The size and display of registration plates of Power tiller (Size)	MoRTH, CMVR Rule 50 Sub Rule (1) (vi)
160	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Power Tiller (coupled to a trailer)	Use of Red, White or Blue Light (To visually check if only authorised colour of lights are used)	GSR 400 (E), MoRTH, CMVR Rule 108 Sub Rule (1)
161	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Brakes for trailers (Performance of Service Brake and Parking Brake)	AIS 043, CMVR Rule 97 Sub Rule 3
162	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Brakes for trailers (Provision of trailer braking system)	MoRTH, CMVR Rule 97 Sub rule (3), AIS 043
163	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Category of trailer (To measure the Unladen and laden Mass of Front Axle and/or Rear Axle for categorisation of trailer)	AIS:043
164	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Category of trailer (To visually check the Type of Trailer and Number of axles fitted)	AIS:043
165	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Condition of Tyres (To maintain recommended inflation pressure in tyres to keep them properly inflated and to check visually that the tyres are in good & sound condition)	MoRTH, CMVR Rule 94 Sub Rule (2)

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166	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Condition of Tyres (Visually checking that pneumatic tyres are fitted and there is no exposed fabric/cut/abrasion/ deformation/ swelling/ patched /repaired by an outer gaiter/patch to ensure good and sound condition)	MoRTH, CMVR Rule 94 Sub Rule (1) and Sub Rule (3)(i),(ii),(iii)
167	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Fitment of Reflectors (Area of Reflector)	MoRTH, CMVR Rule 104 Sub rule (3)(iii)
168	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Fitment of Reflectors (To visually check the colour and quantity of reflectors fitted)	MoRTH, CMVR Rule 104 Sub Rule (3)(i),(ii)
169	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Overall dimension of Water Tanker Trailers (Length, Width, height ,Wheel Base, Wheel Track / Track width (Front Axle / Rear Axle), Height of Trailer Load Platform from Ground Level)	AIS:043
170	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Rear Warning Triangle (To visually check the provision of Rear Warning Triangle)	AIS 030
171	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Size and Ply Rating of Tyres for water tanker (To check visually if Max Load Capacity and Rim Size mentioned on tyres and wheel rim respectively)	MoRTH, CMVR Rule 94
172	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Symbol "T" (Dimension)	IS 9942
173	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Trailer hitch details (Diameter of Pin Hole)	AIS:043
174	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Trailer hitch details (Height above the ground in travel mode)	AIS:043
175	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Trailer hitch details (Horizontal distance between hitch point and wheel center)	AIS:043
176	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Trailer hitch details (To visually check the Type of Hitch provided)	AIS:043

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177	MECHANICAL-PERFORMANCE/DURABILITY/ SAFETY TEST	Water Tanker	Water Tank Overall Dimensions (Length, Diameter, Height, Volume)	AIS:043