### **BUREAU OF INDIAN STANDARDS**

### **Program of Work**

#### TED 4: Automotive Braking Systems, Vehicle Testing, Steering and performance Evaluation

Scope: a)Standardization of automotive braking systems, steering systems and their components,

testing of vehicles as a whole for performance evaluation and road worthiness b)Co-ordination of work with ISO/TC 22 and its Sub-committees ISO/TC 22/SC 33, TC 22/SC 38 and ISO/TC  $\frac{1}{2}$ 

22/SC 39.

Liaison: ISO TC-22 (P): Road Vehicles ISO TC-22 SC-33 (O): Vehicle dynamics, chassis components

and driving automation systems testing ISO TC-22 SC-35 (P): Lighting and visibility ISO

TC-22 SC-38 (P): Motorcycles and mopeds ISO TC-22 SC-39 (O): Ergonomics

#### **Published Standards**

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10278:2018	Motorcycles - Measurement of	January, 2023	January, 2023 -	
		maximum speed (Third Revision)			
	Reviewed In: 2023				
2	IS 10399:2022	AUTOMOTIVE VEHICLES-		-	Indigenous
		NOISE EMITTED BY			
		STATIONARY VEHICLES-			
		METHOD OF MEASUREMENT			
3	IS 10407:1998	Automotive vehicles - Two	January, 2025	-	Indigenous
	Reviewed In: 2025	wheelers - Acceleration			
		performance - Method of			
		evaluation (Second Revision)			
4	IS 10881:1994	Automotive vehicles - Mopeds,	March, 2025	=	Indigenous
	Reviewed In: 2025	scooters and motorcycles method			
		of evaluation of fuel consumption			
		(First Revision)			
5		Specification for steering ball races	March, 2025	-	Indigenous
	Reviewed In: 2025	for mopeds			
	Decision taken to				
	Reaffirm and				
	Archive				
6	IS 11422:2001	Terms and definitions of weights	August, 2022	-	Indigenous
	ISO 6726	of two wheeled motor vehicles			
<u> </u>	Reviewed In: 2022	(First Revision)			
7	IS 11432:2002	Terms and definitions of	August, 2022	-	Indigenous
	ISO 6725	dimensions of two wheeled motor			
	Reviewed In : 2022	vehicles (First Revision)			Y 11
8	IS 11739:2024	METHOD OF RECORDING		-	Indigenous
		DUST INGRESS IN			
	IC 11007 2022	AUTOMOTIVE VEHICLES			Y 1'
9	IS 11825:2023	Automotive Vehicles � Method		-	Indigenous
10	TG 11007 0000	of Weighment (First Revision)	N 1 2022		Y 1'
10	IS 11827:2008	Automotive vehicles - Calibration	November, 2023	3	Indigenous
	Reviewed In: 2023	of speedometer - Method of			
		ı		1 1	ı ı

11	I	I	evaluation (Second Revision)		I	1
12	11	IS 11839:2024			_	Indigenous
Revision   Revision			1			
13			i i			
Serviewed In : 2024   Serviewed In : 2024   Serviewed In : 2025   Serviewed In : 2027   Serviewed In : 2024   Serviewed In : 2025	12	IS 11849:2024			-	Indigenous
Vehicles (First Revision)			Centre of Gravity of Automotive			
18   1849:1986   Method of determination of centre Reviewed In : 2017   The provision score of the provision sco			I			
14	13	IS 11849:1986		March, 2017	1	Indigenous
September   Conducting waterproofing test (First Revision)		Reviewed In: 2017	of gravity of automotive vehicles			
Evaluation (Second Revision)	14	IS 11850:2024	Automotive Vehicles â€"		-	Indigenous
15			Odometer Systems â€" Method of			
ACCELERATION OF AUTOMOTIVE VEHICLES			Evaluation (Second Revision)			
AUTOMOTIVE VEHICLES	15	IS 11851:2024	METHOD OF EVALUATION OF		-	Indigenous
16			ACCELERATION OF			_
Reviewed In : 2024   of vehicles of categories m2, m3, m3 and twith regard to braking (Third Revision)			AUTOMOTIVE VEHICLES			
Reviewed In : 2024   of vehicles of categories m2, m3, N and t with regard to braking (Third Revision)	16	IS 11852:2019	Automotive vehicles - Uniform	May, 2024	2	Indigenous
Reviewed In : 2024			provisions concerning the approval	•		
Nand t with regard to braking (Third Revision)		Reviewed In: 2024				
CThird Revision   Automotive vehicles - Method of Reviewed In : 2024   St 1215/2016   Reviewed In : 2024   Reviewed In : 2024   Reviewed In : 2024   Reviewed In : 2025   Reviewed In : 2024   Reviewed In : 2024   Reviewed In : 2025   Reviewed In : 2024   Reviewed In : 2024   Reviewed In : 2024   Reviewed In : 2025   Reviewed In : 2024   Reviewed In : 2025   Revie			_			
18   1865:2006   Reviewed In : 2022   Automotive vehicles - Maximum   Speed of Automotive Vehicles - Method of Evaluation of Consumption (Second Revision)						
Reviewed In : 2022   Conducting waterproofing test (First Revision)   May, 2024   - Indigenous	17	IS 11865:2006	,	August, 2022	-	Indigenous
18   18   18   18   18   18   18   18		Reviewed In: 2022	conducting waterproofing test	-		
Reviewed In : 2024   Speed of Automotive Vehicles — Method of Evaluation (First Revision)	L					
Reviewed In : 2024   Method of Evaluation (First Revision)	18	IS 11877:2019	Automotive Vehicles — Maximum	May, 2024	-	Indigenous
Revision   Revision   Automotive Vehicles — Method of Evaluation of Constant Speed Fuel Consumption (Second Revision)			Speed of Automotive Vehicles —			
Is   Is   Is   Is   Is   Is   Is   Is		Reviewed In: 2024	Method of Evaluation ( First			
Evaluation of Constant Speed Fuel Consumption (Second Revision )  20			Revision )			
Consumption (Second Revision )   Reviewed In : 2022   Automotive vehicles - Steering effort - Method of evaluation (Second Revision)	19	IS 11921:2020	Automotive Vehicles — Method of	-	=	Indigenous
September, 2022   September, 2022   Continuous			Evaluation of Constant Speed Fuel			
Reviewed In : 2022   effort - Method of evaluation (Second Revision)   December, 2024   - Indigenous			Consumption ( Second Revision )			
Comparison   Com	20	IS 11948:2010	Automotive vehicles - Steering	September, 2022	2	Indigenous
21		Reviewed In: 2022	effort - Method of evaluation			
Reviewed In : 2024   automotive air brake systems			(Second Revision)			
Reviewed In : 2023   Method of evaluation of accuracy of parameters of steering geometry of automotive vehicles (Second Revision)   Reviewed In : 2023   IS/ISO 12161:2006   Road Vehicles - Endurance ISO 12161: 2006   Braking Systems of Motor Vehicles and Towed Vehicles - Test Procedures   March, 2021   Indigenous	21		Methods of test for valves of	December, 2024	-	Indigenous
Reviewed In : 2023						
Reviewed In : 2023 of automotive vehicles (Second Revision)  23 IS/ISO 12161:2006 Road Vehicles - Endurance ISO 12161 : 2006 Reviewed In : 2021 ISO 12161:2006  24 IS 12218:2018 Method of measurement of approach, departure and ramp Reviewed In : 2024 angles of automotive vehicles (First Revision)  25 IS 12222:2011 Reviewed In : 2022 circle and maneuverability requirements (First Revision)  26 IS 12695:1989 Reviewed In : 2025 Decision taken to Reaffirm and Archive  27 IS 12793:2012 Motorcycles - Measurement March, 2021 method for location of centre of gravity (First Revision)  28 IS 12793:2012 Motorcycles - Measurement method for location of centre of gravity (First Revision)  29 IS 12793:2012 Motorcycles - Measurement method for location of centre of gravity (First Revision)	22	IS 12159:2018	· · · · · · · · · · · · · · · · · · ·	January, 2023	-	Indigenous
Revision)  23 IS/ISO 12161:2006 ISO 12161: 2006 Reviewed In : 2021 ISO 12161: 2006 Reviewed In : 2021 ISO 12161: 2006 Reviewed In : 2021 ISO 12161: 2006 Reviewed In : 2024 IS 12218:2018 Reviewed In : 2024 Reviewed In : 2025 Reviewed In : 2025 IS 12222:2011 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2025 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2025 Rev						
IS/ISO 12161:2006   Road Vehicles - Endurance   Braking Systems of Motor   Vehicles and Towed Vehicles - Test Procedures		Reviewed In: 2023				
ISO 12161 : 2006 Reviewed In : 2021 ISO 12161 : 2006 Reviewed In : 2021 ISO 12161 : 2006  Reviewed In : 2024 IS 12218:2018 Reviewed In : 2024 Reviewed In : 2024 Reviewed In : 2024 Reviewed In : 2024 Reviewed In : 2025 IS 12222:2011 Reviewed In : 2025 Reviewed In : 2025 Reviewed In : 2025 IS 12695:1989 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2025 Reviewed In : 2025 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2025 Reviewed In : 2021 Reviewed In : 2025 Reviewed In :			/			
Reviewed In : 2021 IS 12218:2018	23		1	March, 2021	-	_
ISO 12161: 2006 Test Procedures  24 IS 12218:2018 Method of measurement of approach, departure and ramp angles of automotive vehicles (First Revision)  25 IS 12222:2011 Reviewed In : 2022 circle and maneuverability requirements (First Revision)  26 IS 12695:1989 Reviewed In : 2025 Decision taken to Reaffirm and Archive  27 IS 12793:2012 ISO 9130 : 2005 Reviewed In : 2021 Reviewed In : 2021 gravity (First Revision)  28 May, 2024 - Indigenous September, 2022 2 Indigenous  September, 2022 5 Pertoneous Procedures of Gravity  March, 2025 - Indigenous March, 2025 - Indigenous Procedures of Gravity  March, 2021 - Indigenous Indigenous Procedures of Gravity Procedures of Gravity Procedures of Gravity Procedures of Gravity Procedures Pr						numbering
IS 12218:2018   Method of measurement of approach, departure and ramp angles of automotive vehicles (First Revision)   September, 2022   Indigenous			1			
approach, departure and ramp angles of automotive vehicles (First Revision)  25						
Reviewed In: 2024 angles of automotive vehicles (First Revision)  25	24	IS 12218:2018		May, 2024	-	Indigenous
Revision)  25 IS 12222:2011 Automotive vehicles - Turning circle and maneuverability requirements (First Revision)  26 IS 12695:1989 Reviewed In: 2025 Decision taken to Reaffirm and Archive  27 IS 12793:2012 ISO 9130: 2005 Reviewed In: 2021 Gravity (First Revision)  Revision)  Automotive vehicles - Three wheeled vehicles - Determination of centre of gravity  March, 2025 - Indigenous  March, 2025 - Indigenous  March, 2025 - Indigenous  March, 2021 - Indigenous						
September, 2022   September,		Reviewed In: 2024				
Reviewed In : 2022 circle and maneuverability requirements (First Revision)  26  IS 12695:1989		<b>70</b> 45-5-5	,		_	
requirements (First Revision)  26  IS 12695:1989	25		_	September, 2022	2	Indigenous
26 IS 12695:1989 Automotive vehicles -Three wheeled vehicles - Determination of centre of gravity  27 IS 12793:2012 ISO 9130 : 2005 Reviewed In : 2021 Gravity (First Revision)  Automotive vehicles -Three wheeled vehicles - Determination of centre of gravity  March, 2025 - Indigenous  March, 2021 - Indigenous		Reviewed In: 2022	I - I			
Reviewed In: 2025 Decision taken to Reaffirm and Archive  27 IS 12793:2012 ISO 9130: 2005 Reviewed In: 2021 Wheeled vehicles - Determination of centre of gravity  March, 2021 - Indigenous  March, 2021 - Indigenous		TO 10 00 7 1000		) / 1 000°		* "
Decision taken to Reaffirm and Archive  27 IS 12793:2012 Motorcycles - Measurement ISO 9130 : 2005 Reviewed In : 2021 gravity (First Revision)  March, 2021 - Indigenous	26			March, 2025	-	Indigenous
Reaffirm and Archive  27 IS 12793:2012 Motorcycles - Measurement ISO 9130 : 2005 method for location of centre of Reviewed In : 2021 gravity (First Revision)  Reaffirm and Archive			1			
Archive  27 IS 12793:2012 Motorcycles - Measurement ISO 9130 : 2005 method for location of centre of Reviewed In : 2021 gravity (First Revision)  Archive  March, 2021 - Indigenous  March, 2021 - Indigenous			of centre of gravity			
27 IS 12793:2012 Motorcycles - Measurement ISO 9130 : 2005 method for location of centre of Reviewed In : 2021 gravity (First Revision)  March, 2021 - Indigenous						
ISO 9130 : 2005 method for location of centre of Reviewed In : 2021 gravity (First Revision)						<u> </u>
Reviewed In: 2021 gravity (First Revision)	27			March, 2021	-	Indigenous
28   18 12821:2017   Automotive vehicles - Braking   August, 2022   -   Indigenous					-	* "
	28	15 12821:2017	Automotive vehicles - Braking	August, 2022	-	Indigenous

system, tube connections - Dimensions (First Revision)  29 IS 12831:2024 Automotive Vehicles â€" Braking Systems â€" Banjo Bolt Connections â€" Dimensions (First Revision)  30 IS 12832:2010 Automotive vehicles - Interior noise - Method of measurement and requirements (First Revision)  31 IS 12851:2023 AUTOMOTIVE VEHICLES - HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE REQUIREMENTS  32 IS 12884:2015 Automotive vehicles - Braking systems, rubber boots for brake Reviewed In : 2020 wheel cylinders - Performance requirements (First Revision)	Indigenous  Indigenous  Indigenous  Indigenous
Automotive Vehicles â€" Braking Systems â€" Banjo Bolt Connections â€" Dimensions (First Revision)  30 IS 12832:2010 Reviewed In : 2021 Automotive vehicles - Interior noise - Method of measurement and requirements (First Revision)  31 IS 12851:2023 AUTOMOTIVE VEHICLES - HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE REQUIREMENTS  32 IS 12884:2015 Automotive vehicles - Braking systems, rubber boots for brake Reviewed In : 2020 wheel cylinders - Performance	Indigenous
Systems â€" Banjo Bolt Connections â€" Dimensions (First Revision)  30 IS 12832:2010 Automotive vehicles - Interior noise - Method of measurement and requirements (First Revision)  31 IS 12851:2023 AUTOMOTIVE VEHICLES - HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE REQUIREMENTS  32 IS 12884:2015 Automotive vehicles - Braking systems, rubber boots for brake Reviewed In : 2020 wheel cylinders - Performance	Indigenous
Connections â€" Dimensions (First Revision)  30  IS 12832:2010  Automotive vehicles - Interior noise - Method of measurement and requirements (First Revision)  31  IS 12851:2023  AUTOMOTIVE VEHICLES - HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE REQUIREMENTS  32  IS 12884:2015  Automotive vehicles - Braking systems, rubber boots for brake wheel cylinders - Performance	Indigenous
Revision)  30 IS 12832:2010 Automotive vehicles - Interior noise - Method of measurement and requirements (First Revision)  31 IS 12851:2023 AUTOMOTIVE VEHICLES - HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE REQUIREMENTS  32 IS 12884:2015 Automotive vehicles - Braking systems, rubber boots for brake wheel cylinders - Performance	Indigenous
30 IS 12832:2010 Automotive vehicles - Interior noise - Method of measurement and requirements (First Revision)  31 IS 12851:2023 AUTOMOTIVE VEHICLES - HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE REQUIREMENTS  32 IS 12884:2015 Automotive vehicles - Braking systems, rubber boots for brake wheel cylinders - Performance	Indigenous
Reviewed In : 2021 noise - Method of measurement and requirements (First Revision)  31 IS 12851:2023 AUTOMOTIVE VEHICLES - HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE REQUIREMENTS  32 IS 12884:2015 Automotive vehicles - Braking systems, rubber boots for brake wheel cylinders - Performance	Indigenous
and requirements (First Revision)  31 IS 12851:2023 AUTOMOTIVE VEHICLES - HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE REQUIREMENTS  32 IS 12884:2015 Automotive vehicles - Braking systems, rubber boots for brake Reviewed In : 2020 wheel cylinders - Performance	
31 IS 12851:2023 AUTOMOTIVE VEHICLES - HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE REQUIREMENTS  32 IS 12884:2015 Automotive vehicles - Braking systems, rubber boots for brake Reviewed In : 2020 wheel cylinders - Performance	
HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE REQUIREMENTS  32 IS 12884:2015 Automotive vehicles - Braking systems, rubber boots for brake Reviewed In : 2020 wheel cylinders - Performance	
REQUIREMENTS  32 IS 12884:2015 Automotive vehicles - Braking systems, rubber boots for brake Reviewed In: 2020 wheel cylinders - Performance	Indigenous
32 IS 12884:2015 Automotive vehicles - Braking systems, rubber boots for brake Reviewed In : 2020 wheel cylinders - Performance	Indigenous
systems, rubber boots for brake Reviewed In: 2020 wheel cylinders - Performance	Indigenous
Reviewed In: 2020 wheel cylinders - Performance	
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33 IS 13207:2024 AUTOMOTIVE VEHICLES	Indigenous
HYDRAULIC BRAKING	
SYSTEMS - WHEEL CYLINDER	
PERFORMANCE	
REQUIREMENTS	
34 IS 13224:1991 Automotive vehicles - Hydraulic May, 2024 1	Indigenous
Reviewed In: 2024   braking systems - Master cylinder	
Decision taken to performance requirements	
Reaffirm and	
Archive	
35 IS 13225:2024 Automotive Vehicles â€" -	Indigenous
Hydraulic Braking Systems â€"	
Rubber Cups â€" Specification	
(First Revision)	
36 IS 13249:2014 Automotive vehicles - Braking May, 2024 -	Indigenous
Reviewed In: 2024   systems - Rubber seal for disc	
brake cylinder - Performance	
requirements (First Revision)	<del></del>
37 IS 13363:2017 Automotive vehicles - Air brake December, 2024 -	Indigenous
systems - Performance	
Reviewed In: 2024 requirements for drain valves (First	
Revision)  28 IS 12452-1004 Automative vehicles Proking Luky 2010	To diagnasses
38 IS 13453:1994 Automotive vehicles - Braking Provided In 2019 Systems - Method of test on brake	Indigenous
dynamometer for two and three	
wheelers (First Revision)  39 IS 13476:2006 Automotive vehicles - Mechanical September, 2022 -	Indiannous
	Indigenous
Reviewed In: 2022 steering gear - Methods of test (First Revision)	
40 IS 13492:1992 Automotive vehicles - Two March, 2025 1	Indigenous
Reviewed In: 2025   wheelers - Method of evaluation of	margenous
brake pedal strength requirements	
41 IS 13603:2014 Automotive vehicles - Air brake December, 2024 -	Indigenous
Reviewed In: 2024   Systems - Performance   December, 2024	murgenous
requirements for brake chamber	
(First Revision)	
42 IS 13604:2014 Automotive vehicles - Air brake December, 2024 -	Indigenous
Reviewed In: 2024 systems - Performance	indigenous
requirements for dual brake valve	
(First Revision)	
43 IS 13988:2014 Automotive vehicles - Starting December, 2024 -	Indigenous
gradeability - Method of	1110154110410
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	Reviewed In: 2024	measurement and requirement (Second Revision)			
44	IS 14269:2024	AUTOMOTIVE VEHICLES INTEGRAL POWER STEERING GEAR METHOD OF TEST (FIRST REVISION)		-	Indigenous
45	IS 14283:2024	· · · · · · · · · · · · · · · · · · ·		Indigenous	
46	IS 14382:2014 Reviewed In : 2019	Automotive vehicles - Speed limitation devices - Specification (First Revision)	September, 2019	-	Indigenous
47	IS 14557:2024	Automotive Vehicles â€" Cooling Performance â€" Method of Measurement (First Revision)		-	Indigenous
48	IS 14610:1999 Reviewed In : 2025	Automotivevehicles - Fuel consumptiononchassis dynamometer - Methodof measurement	March, 2025	-	Indigenous
49	IS 14664:2010 Reviewed In : 2021	Automotive vehicles - Performance requirements and testing procedure for braking system of two and three wheeled motor vehicles (First Revision)	March, 2021	6	Indigenous
50	IS 14785:2000 Reviewed In : 2021	Automotive vehicles Determination of road - Load constants by coast down test method	March, 2021	-	Indigenous
51	IS 15702:2006 Reviewed In : 2022	Automotive vehicles - Air brake hose - Specification	August, 2022	-	Indigenous
52	IS 15708:2006 ISO 6312 Reviewed In : 2022	Road vehicles - Brake linings - Shear test procedure for disc brake pad and drum brake shoe assemblies	December, 2022	-	Indigenous
53	IS 15783:2008 Reviewed In : 2023	Road vehicles - Brake control levers for two and three wheeled motor vehicles - Specification	November, 2023	-	Indigenous
54	IS 15986:2015 Reviewed In : 2020	Automotive vehicles - Uniform provisions concerning the approval of vehicles of categories m1 and n1 with regard to braking	April, 2020	3	Indigenous
55	IS 16137 (Part 1):2014 Reviewed In : 2019	Automotive vehicles - Methods of measurement of braking coefficient of road surfaces: Part 1 srtt method	January, 2019	- Indigenous	
56	IS 16137 (Part 2):2014 Reviewed In : 2019	Automotive vehicles - Methods of measurement of braking coefficient of road surfaces	January, 2019	-	Indigenous
57	IS 16137 (Part 2):2025	Automotive Vehicles - Methods of Measurement of Braking Coefficient of Road Surfaces Part 2 Pendulum Method (First Revision)		-	Indigenous
58	IS 17128 (Part 1):2019	Automotive vehicles ? vehicle dynamics test methods: Part 1 general test conditions	May, 2024	-	Indigenous
59	Reviewed In: 2024 IS 17128 (Part	Automotive Vehicles ― Vehicle	January, 2024	-	Indigenous

l	2):2019	Dynamics Test Methods Part 2		1	1
	,,	Steady-State Test Procedure for			
	Reviewed In: 2024	Vehicle Stability and			
		Controllability â€" Open-Loop and			
		Closed Loop Test			
60	IS 17128 (Part	AUTOMOTIVE VEHICLES-		_	Indigenous
	3):2021	VEHICLE DYNAMICS			margenous
	3).2021	MEASUREMENTS TEST			
		PROCEDURE PART-3:			
		TRANSIENT RESPONSE TEST			
		PROCEDURE OPEN LOOP AND			
		CLOSED LOOP TEST			
61	IS 17132:2025	Replacement Brake Lining			Indigenous
01	13 1/132.2023	Assemblies and Drum Brake		-	indigenous
		Linings for Power-Driven Vehicles			
		and Their Trailers - Specification			
	IC 17071 2022	(first revision)			Y 1'
62	IS 17871:2022	AUTOMOTIVE VEHICLE		-	Indigenous
		NOISE EMITTED BY			
	1	STATIONARY VEHICLES			
		METHOD OF MEASURMENT			
		NON-ORIGINAL			
		REPLACEMENT EXHAUST			
		SILENCING SYSTEMS RESS			
		FOR TWO AND THREE			
-		WHEELED VEHICLES			
63	IS 2742 (Part	Automotive vehicles - Brake	July, 2019	1	Indigenous
	1):1994	linings (Non - Rubberized): Part 1			
	Reviewed In: 2019	specification (First Revision)			
64	IS 2742 (Part	Automotive vehicles - Brake	July, 2019	1	Indigenous
	2):1999	linings - Rubberised: Part 2			
	Reviewed In: 2019	specification			
65	IS 2742 (Part	Automotive vehicles - brake	January, 2025	2	Indigenous
	3):1994	linings: Part 3 methods of test			
	Reviewed In: 2025				
66	IS 2742 (Part	Automotive vehicles - Brake	July, 2019	2	Indigenous
	4):1994	linings: Part 4 coefficient of			
	Reviewed In: 2019	friction - method of test			
67	IS 2742 (Part	Automotivevehicles	July, 2019	1	Indigenous
	5):1994	Brakelinings: Part 5 internal shear			
	Reviewed In: 2019	strength - Method of test			
68	IS 2742 (Part	Automotive vehicles - Brake		-	Modified/Technically
	6):2018	linings: Part 6 compressive strain			Equivalent
	1	test methods			
	ISO 6310				
69	IS 2742 (Part	Automotive vehicles - Brake		1	Indigenous
	7):2018	linings: Part 7 shear test procedure			
		for disc brake pad and drum brake			
		shoe assemblies			
70	IS 3028:1998	Automotive vehicles - Noise	March, 2025	6	Indigenous
	ISO/DIS 362	emitted by moving vehicles -			
	Reviewed In: 2025	Method of measurement (Second			
	<u> </u>	Revision)		<u> </u>	
71	IS 3028 (Part	Automotive vehicles - Noise	November, 2023	1	Indigenous
	1):2018	emitted by moving vehicles -			
		Specification and method of			
L	Reviewed In: 2023	measurement: Part 1 L 2 category			
72	IS 3028 (Part	AUTOMOTIVE VEHICLES		1	Indigenous
	2):2023	NOISE EMITTED BY MOVING			
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		VEHICLES SPECIFICATION AND METHOD OF MEASUREMENT PART 2: OTHER THAN L2 AND L5 CATEGORY			
73	IS 3028 (Part 3):2018 Reviewed In : 2023	Automotive vehicles - Noise emitted by moving vehicles - Specification and method of measurement: Part 3 L 5 category	November, 2023	1 Indigenous	
74	IS 7079:2008 Reviewed In : 2024	Automotive vehicles - Brake hose assemblies forhydraulicbraking systems used with non - Petroleum base brake fluid specification (Third Revision)	May, 2024	2	Indigenous
75	IS 9211:2003 Reviewed In : 2024	Terms and definitions of weights of road vehicles other than 2 and 3 wheelers (Second Revision)	May, 2024	1	Indigenous
76	IS 9435:2004 ISO 612 (E) Reviewed In : 2025 ISO 612 (E)	Terms and Definitions Relating to Dimensions of Road Vehicles Other than 2 and 3 Wheelers	March, 2025	1	Identical under dual numbering

# **Standards under Development**

	Projects Approved				
SI. No.	SI. No. Doc No. Title				
	No Records Found				

Preliminary Draft Standards					
SI. No.	Doc No.	Title			
1	TED 4 (28768)	TYPE APPROVAL OF MOTOR VEHICLES OF CATEGORIES M2 M3 N2 AND N3 WITH			
		REGARD TO THE ADVANCED EMERGENCY BRAKING SYSTEMS AEBS			

Drafts Standards in WC Stage					
SI. No.	SI. No. Doc No. Title				
	No Records Found				

	Draft Standards Completed WC Stage					
SI. No.	Doc No.	Title				
1	TED 4 (24250)	Automotive vehicles - Braking systems - Method of test on brake dynamometer for two and three				
		wheelers First Revision Amendment - 2				
2	TED 4 (27000)	Automotive Vehicles Maximum Speed of Automotive Vehicles Method of Evaluation First				
		Revision Amendment - 1				
3	TED 4 (27001)	Automotive Vehicles Brake Linings Part 6 Compressive Strain Test Methods First Revision				

	Finalized Draft Indian Standard						
SI. No.	Doc No.	Title					
1	TED 4 (24035) Revision of:	AUTOMOTIVE VEHICLES DETERMINATION OF ROAD LOAD CONSTANTS BY COAST					
	IS 14785:2000	DOWN TEST METHOD First Revision					
2	TED 4 (25916)	AUTOMOTIVE VEHICLES VEHICLE DYNAMICS TEST METHODS PART 4 RIDE					
		COMFORT MEASUREMENTS					
3	TED 4 (25917)	AUTOMOTIVE VEHICLES-VEHICLE DYNAMICS TEST METHODS PART 5 SUBJECTIVE					

		EVALUATION VEHICLE RIDE HANDLING STEERING
4	TED 4 (27191)	Automotive vehicles - Air brake systems - Performance requirements for drain valves First
		Revision Amendment - 1
5	TED 4 (27192)	Automotive vehicles - Air brake systems - Performance requirements for dual brake valve First
		Revision Amendment - 1
6	TED 4 (27218)	Automotive Vehicles Valves of Automotive Air Brake Systems Method of Test
7	TED 4 (27219)	Automotive vehicles - Air brake systems - Performance requirements for brake chamber First
		Revision Amendment - 1

Finalized Draft Indian Standards under Print				
SI. No.	Doc No.	Title		
1	TED 4 (25687) Revision of:	Automotive Vehicles Methods of Measurement of Braking Coefficient of Road Surfaces Part 1		
	IS 16137:2014	SRTT Method First Revision		
2	TED 4 (25693) Revision of:	Automotive Vehicles Brake Linings Part 7 Shear Test Procedure for disc Brake Pad and Drum		
	IS 2742:2018	Brakeshoe Assemblies First Revision		

Total Published Standards:73 Total Standards Under development:13

### **Aspect Wise Report**

Product: 17
Code of Practices: 1
Methods of Test: 46
Terminology: 4
Dimensions: 2
System Standard: 0
Safety Standard: 1
Others: 2

Service Specification : 0 Process Specification : 0 Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 10043:1994	Automotive Vehicles - Symbols For Controls Indicators And Telltales For Scooters And
		Motorcycles
2	IS 10289:1982	Brake Control Levers for Mopeds
3	IS 10376:1982	Performance requirements of braking systems for mopeds
	Reviewed In: 1995	
4	IS 10413:1983	Method Of Measurement Of Maximum Speed Of Scooters And Motorcycles
	Reviewed In: 1990	
5	IS 10479:1993	Code of practice for field control of moisture and compaction of soils for embankment and subgrade
6	IS 10841:1984	Front brake control lever for scooters and motorcycles
7	IS 10944:1983	Method of measurement of fuel consumption of mopeds
	Reviewed In: 1990	
8	IS 11571:1986	Terms and definitions of dimensions of scooters
	Reviewed In: 1995	
9	IS 11716:1986	Performance Evaluation Of Braking System Of Scooters And Motorcycles
	Reviewed In: 1995	
10	IS 11852:2013	Automotive Vehicles - Uniform Provisions Concerning the Approval of Vehicles of Categories M
	IEC 60645-6:2022	N and T with Regard to Braking
11	IS 11852 (Part 1):2001	Automotive Vehicles - Brakes And Braking Systems Part 1 Terminology
	Reviewed In: 2010	
		Automotive Vehicles - Brakes and Braking Systems - Part 2 General Functions and Features

12	IS 11852 (Part 2):2001	
	Reviewed In: 2012	
13	IS 11852 (Part 3):2001	Automotive vehicles - brakes and braking systems Part 3 Performance requirements and
	Reviewed In: 2012	evaluation
14	IS 11852 (Part 4):2001	Automotive Vehicles - Brakes and Braking Systems - Part 4 Compressed Air and Air Assisted
	Reviewed In: 2010	Brakes - Special Requirements
15	IS 11852 (Part 5):2001	Automotive Vehicles - Brakes And Braking Systems Part 5 Compressed Air And Air Assisted
	ISO 3853	Brakes - Pressure Test Connections
	Reviewed In: 2012	
16	IS 11852 (Part 6):2001	Automotive Vehicles - Brakes And Braking Systems Part 6 Vacuum Braking System - Special
	Reviewed In : 2012	Requirements To No. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10
17	IS 11852 (Part 7):2001	Automotive Vehicles - Brakes and Braking Systems - Part 7 Inertia Dynamometer Test Method for
10	Reviewed In: 2012	Brake Lining
18	IS 11852 (Part 8):2001	Automotive Vehicles - Brakes and Braking Systems - Part 8 Test Procedures
10	Reviewed In : 2012	A CONTRACTOR OF THE PROPERTY O
19	IS 11852 (Part 9):2003	Automotive Vehicles - Brakes and Braking Systems - Part 9 Requirements for Vehicles Equipped
20	Reviewed In : 2008	with Anti-Lock Braking Systems
20	IS 12055:1987	Method of Measurement of Acceleration of Mopeds
21	Reviewed In: 1992 IS 13493:1992	Automatics schiolas Two schoolars Mathad of evolution of health laster atments are reinser and
21		Automotive vehicles - Two wheelers - Method of evalation of brake lever strength requirements
22	Reviewed In : 2007 IS 13494:1992	Automotive Vahiales Air Drehe Creterre Derformer en De mirrorente fan Unlander Values
22	Reviewed In : 2007	Automotive Vehicles - Air Brake Systems - Performance Requirements for Unloader Valves
23	IS 13507:1992	Automativa Vahialas Calf Contarina Mathad of Test
23	Reviewed In : 2007	Automotive Vehicles - Self Centering - Method of Test
24	IS 13670:1992	Automotive vehicles - three wheelers - brake performance requirements
24	13 130/0.1992	Automotive venicles - three wheelers - brake performance requirements
25	IS 14121:1995	Automotive vehicles - braking systems - test procedure for two and three wheelers
25	13 14121.1773	Automotive venicles - braking systems - test procedure for two and three wheelers
26	IS 7065:1973	Specification for steering wheels
20	Reviewed In: 2021	opecification for steering wheels
27	IS 9212:1979	Recommendations for Pressures in Brakes Lines of Road Vehicles and Braking efficiency
27	Reviewed In: 2002	recommendations for Freshards in Brakes Eries of Road verificion and Braking efficiency
28	IS 9268:1979	Braking terminology for road vehicles
20	15 > 20011 > / >	2 many verminology for road verminolog
29	IS 9655:1994	Automotive vehicles - Type location and functions of controls - Mopeds
30	IS 9714:1993	Automotive vehicles - symbols for controls indicators and telltales for mopeds
31	IS 9726:1984	Terms and definitions of weights of mopeds
	Reviewed In: 1995	
32	IS 9727:1981	Terms and definitions of dimensions for mopeds
	Reviewed In: 1995	

# **Annexure-II :List of Indian Product Standards**

SI. No.	IS No. & Year	Title
1	IS 11029:1984	Specification for steering ball races for mopeds
	Reviewed In: 2025	
	Decision taken to Reaffirm	
	and Archive	
2	IS 12222:2011	Automotive vehicles - Turning circle and maneuverability requirements First Revision
	Reviewed In: 2022	
3	IS 12851:2023	AUTOMOTIVE VEHICLES - HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE
		REQUIREMENTS
4	IS 12884:2015	Automotive vehicles - Braking systems rubber boots for brake wheel cylinders - Performance
		requirements First Revision
	Reviewed In: 2020	
5	IS 13224:1991	Automotive vehicles - Hydraulic braking systems - Master cylinder performance requirements

1	1	
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
6	IS 13225:2024	Automotive Vehicles Hydraulic Braking Systems Rubber Cups Specification First Revision
7	IS 13249:2014	Automotive vehicles - Braking systems - Rubber seal for disc brake cylinder - Performance
	Reviewed In: 2024	requirements First Revision
8	IS 13363:2017	Automotive vehicles - Air brake systems - Performance requirements for drain valves First
		Revision
	Reviewed In: 2024	
9	IS 13603:2014	Automotive vehicles - Air brake systems - Performance requirements for brake chamber First
	Reviewed In: 2024	Revision
10	IS 13604:2014	Automotive vehicles - Air brake systems - Performance requirements for dual brake valve First
	Reviewed In: 2024	Revision
11	IS 14382:2014	Automotive vehicles - Speed limitation devices - Specification First Revision
	Reviewed In: 2019	
12	IS 15702:2006	Automotive vehicles - Air brake hose - Specification
	Reviewed In: 2022	
13	IS 15783:2008	Road vehicles - Brake control levers for two and three wheeled motor vehicles - Specification
	Reviewed In: 2023	
14	IS 17132:2025	Replacement Brake Lining Assemblies and Drum Brake Linings for Power-Driven Vehicles and
		Their Trailers - Specification first revision
15	IS 2742 (Part 1):1994	Automotive vehicles - Brake linings Non - Rubberized Part 1 specification First Revision
	Reviewed In: 2019	
16	IS 2742 (Part 2):1999	Automotive vehicles - Brake linings - Rubberised Part 2 specification
	Reviewed In: 2019	
17	IS 7079:2008	Automotive vehicles - Brake hose assemblies forhydraulicbraking systems used with non -
	Reviewed In: 2024	Petroleum base brake fluid specification Third Revision