

BUREAU OF INDIAN STANDARDS

Program of Work

TED 27 : Electric And Hybrid Vehicles

Scope: a) Standardization of Electric and Hybrid vehicles and their components. b) Co-ordination of work with ISO/TC 22 and its sub-committee ISO/TC 22/SC 37.

Liaison: **ISO TC-22 SC-37 (P):** *Electrically propelled vehicles* **ISO TC-22 (P):** *Road vehicles*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 15886:2010 <i>Reviewed In : 2017</i>	Road Vehicles â€” Battery Operated--Vehicles â€” Code Of Practice	March, 2017	-	
2	IS 17191 (Part 1):2019 <i>Reviewed In : 2024</i>	Electric Power Train Vehicles Part 1 Measurement of Electrical Energy Consumption	May, 2024	1	Indigenous
3	IS 17191 (Part 2):2019 <i>Reviewed In : 2024</i>	Electric Power Train Vehicles Part 2 Method of Measuring the Range	May, 2024	1	Indigenous
4	IS 17191 (Part 3):2019 <i>Reviewed In : 2025</i> <i>AIS 041:2015</i>	Electric Power Train Vehicles Part 3 Measurement of Net Power and the Maximum 30 Minute Power	June, 2025	1	Modified/Technically Equivalent
5	IS 17855:2022 ISO 12405-4:2018 <i>ISO 12405-4:2018</i>	Electrically propelled road vehicles - Test specification for lithium-ion traction battery packs and systems - Part 4: Performance testing		-	Identical under dual numbering
6	IS 18073:2023	Electric Traction Motor - Performance and Functional Requirements		-	Indigenous
7	IS 18294:2023	Electric Rickshaw E-Kart Construction and Functional Safety Requirements Specification		-	Indigenous
8	IS 18590:2024	Electric Power Train of L Category Vehicles $\frac{1}{2}$ Specific Requirements		-	Indigenous
9	IS 18606:2024	Electric Power Train of M and N Category Vehicles $\frac{1}{2}$ Specific Requirements		-	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards		
SI. No.	Doc No.	Title
No Records Found		

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

Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title
1	TED 27 (26886)	REQUIREMENTS OF QUIET ROAD TRANSPORT VEHICLES QRTV WITH REGARD TO THEIR REDUCED AUDIBILITY
2	TED 27 (26931)	ELECTRIC POWER TRAIN OF M AND N CATEGORY VEHICLES SPECIFIC REQUIREMENTS
3	TED 27 (28474)	Electric Power Train Vehicles Part 1 Measurement of Electrical Energy Consumption Amendment - 1
4	TED 27 (28475)	Electric Power Train Vehicles Part 2 Method of Measuring the Range Amendment - 1
5	TED 27 (28476)	Electric Power Train Vehicles Part 3 Measurement of Net Power and the Maximum 30 Minute Power Amendment - 1

Finalized Draft Indian Standard		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title
No Records Found		

Total Published Standards:7 Total Standards Under development:5
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Aspect Wise Report
Product : 4
Code of Practices : 1
Methods of Test : 4
Terminology : 0
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded		
SI. No.	IS No. & Year	Title
No Records Found		

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Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 18073:2023	Electric Traction Motor - Performance and Functional Requirements
2	IS 18294:2023	Electric Rickshaw E-Kart Construction and Functional Safety Requirements Specification
3	IS 18590:2024	Electric Power Train of L Category Vehicles Specific Requirements
4	IS 18606:2024	Electric Power Train of M and N Category Vehicles Specific Requirements