

BUREAU OF INDIAN STANDARDS

Program of Work

MED 39 : Energy Management and Energy Savings Sectional Committee

Scope: Standardization in the field of energy management and energy savings, including for example: energy efficiency, energy performance, energy supply, procurement practices for energy using equipment and systems, and energy use as well as measurement of current energy consumption, implementation of a measurement system to document, report, and validate continual improvement in energy management and evaluation / determination of energy savings.

Liaison: **TC-301 (P):** *Energy management and energy savings*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS/ISO/IEC 13273-1:2015 ISO/IEC 13273-1 : 2015 Reaffirmed but not taken up for revision ISO/IEC 13273-1:2015	Energy efficiency and renewable energy sources - Common international terminology: Part 1 energy efficiency		-	Identical under single numbering
2	IS/ISO/IEC 13273-2:2015 ISO/IEC 13273-2 : 2015 Reaffirmed but not taken up for revision ISO/IEC 13273 : Part 2 : 2015	Energy efficiency and renewable energy sources - Common international terminology: Part 2 renewable energy sources		-	Identical under single numbering
3	IS/ISO 17741:2016 ISO 17741 : 2016 Reaffirmed but not taken up for revision ISO 17741 : 2016	General technical rules for measurement, calculation and verification of energy savings of projects		-	Identical under single numbering
4	IS/ISO 17742:2015 ISO 17742 : 2015 ISO 17742 : 2015	Energy efficiency and savings calculation for countries, regions and cities	February, 2022	-	Identical under single numbering
5	IS/ISO 17743:2016 ISO 17743 : 2016 Reaffirmed but not taken up for revision ISO 17743 : 2016	Energy savings - Definition of a methodological framework applicable to calculation and reporting on energy savings		-	Identical under single numbering

6	IS 19558 (Part 1):2026 ISO 50002 : 2014N/A	Energy Audits Part 1 General Requirements with Guidance for use (First Revision)		-	Identical under single numbering
7	IS 19558 (Part 3):2026	Energy Audits Part 3 Guidance for Conducting an Energy Audit using ISO 50002-1 in Processes		-	
8	IS 19558 (Part 2):2026	Energy Audits Part 2 Guidance for Conducting an Energy Audit using ISO 50002-1 in Buildings		-	
9	IS/ISO 50001:2018 ISO 50001 : 2018 ISO 50001 : 2018	Energy management systems - Requirements with guidance for use (First Revision)	-	1	Identical under single numbering
10	IS/ISO 50002:2014 ISO 50002 : 2014 ISO 50002 : 2014N/A	Energy audits - Requirements with guidance for use	February, 2022	-	Identical under single numbering
11	IS/ISO 50004:2020 50004 50004	ENERGY MANAGEMENT SYSTEMS GUIDANCE FOR THE IMPLEMENTATION MAINTENANCE AND IMPROVEMENT OF AN ISO 50001 ENERGY MANAGEMENT SYSTEM First Revision		-	Identical under single numbering
12	IS/ISO 50005:2021 50005:2021 50005:2021	ENERGY MANAGEMENT SYSTEMS GUIDELINES FOR A PHASED IMPLEMENTATION		-	Identical under single numbering
13	IS/ISO 50006:2023 ISO 50006:2023 ISO 50006:2023	Energy Management Systems Evaluating Energy Performance using Energy Performance Indicators and Energy Baselines First Revision		-	Identical under single numbering
14	IS/ISO 50007:2017 ISO 50007 : 2017 ISO 50007	Energy Services " Guidelines for the Assessment and Improvement of the Energy Service to Users	May, 2024	-	Identical under single numbering
15	IS/ISO 50009:2021 50009 50009	Energy management systems Guidance for implementing a common energy management system in multiple organizations		-	Identical under single numbering
16	IS/ISO/PAS 50010:2023 ISO/PAS 50010 : 2023 ISO/PAS 50010 : 2023	Energy Management and Energy Savings - Guidance For Net Zero Energy In Operations Using An ISO 50001 Energy Management System		-	Identical under single numbering
17	IS/ISO/TS 50011:2023 ISO/TS 50011 : 2023 ISO/TS 50011 : 2023	Energy Management Systems Assessing Energy Management Using ISO 50001 : 2018		-	Identical under single numbering
18	IS/ISO 50015:2014 ISO 50015 : 2014 ISO 50015 : 2014	Energy management systems - Measurement and verification of energy performance of organizations - General principles and guidance	February, 2022	-	Identical under single numbering
19	IS/ISO 50046:2019	General Methods for Predicting	May, 2024	-	Identical under single

	ISO 50046 : 2019 ISO 50046	Energy Savings			numbering
20	IS/ISO 50047:2016 ISO 50047 : 2016 Reaffirmed but not taken up for revision ISO 50047 : 2016	Energy savings - Determination of energy savings in organizations		-	Identical under single numbering
21	IS/ISO 50049:2022 50049:2020 50049:2020	CALCULATION METHODS FOR ENERGY EFFICIENCY AND ENERGY CONSUMPTION VARIATIONS AT COUNTRY REGION AND CITY LEVELS		-	Identical under single numbering

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	MED 39 (01400)	Energy management systems -- Requirements for bodies providing audit and certification of energy management systems Adoption of ISO 50003 2014
2	MED 39 (01415)	Energy management systems -- Guidance for the implementation maintenance and improvement of an energy management system Adoption of ISO 50004 2014
3	MED 39 (01416)	Energy management systems -- Measuring energy performance using energy baselines EnB and energy performance indicators EnPI -- General principles and guidance Adoption of ISO 50006 2014
4	MED 39 (01417)	Energy management systems -- Measurement and verification of energy performance of organizations -- General principles and guidance Adoption of ISO 50015 2014
5	MED 39 (01399)	Draft Indian Standard Energy audits Requirements with guidance for use
6	MED 39 (01466)	Energy efficiency and saving calculation for countries regions and cities
7	MED 39 (10193)	ENERGY EFFICIENCY AND RENEWABLE ENERGY SOURCES COMMON INTERNATIONAL TERMINOLOGY PART 1 ENERGY EFFICIENCY

8	MED 39 (11686)	Energy savings Determination of energy savings in organizations Adoption of ISO 50047 2016
9	MED 39 (11687)	Energy savings Definition of a methodological framework applicable to calculation and reporting on energy savings Adoption of ISO 17743 2016
10	MED 39 (11688)	Energy efficiency and renewable energy sources Common international terminology Part 2 Renewable energy sources Adoption of ISO/IEC 13273-2 2015
11	MED 39 (12593)	General technical rules for measurement calculation and verification of energy savings of projects Adoption of ISO 17741 2016
12	MED 39 (12638) Revision of: IS/ISO 50001:2018	Energy Management Systems Requirements with guidance for use First revision of ISISO 50001
13	MED 39 (14587)	Energy services Guidelines for the assessment and improvement of the energy service to users Adoption of ISO 50007
14	MED 39 (14588)	Technical guidelines for the evaluation of energy savings of thermal power plants Adoption of ISO 50045
15	MED 39 (14589)	General methods for predicting energy savings Adoption of ISO 50046
16	MED 39 (16900) Revision of: IS/ISO 50004:2014	ENERGY MANAGEMENT SYSTEMS GUIDANCE FOR THE IMPLEMENTATION MAINTENANCE AND IMPROVEMENT OF AN ISO 50001 ENERGY MANAGEMENT SYSTEM First Revision
17	MED 39 (17183)	Energy management systems Guidance for implementing a common energy management system in multiple organizations
18	MED 39 (17405) Revision of: IS/ISO 50003:2014	Energy management systems Requirements for bodies providing audit and certification of energy management systems First Revision
19	MED 39 (19470)	ENERGY MANAGEMENT SYSTEMS GUIDELINES FOR A PHASED IMPLEMENTATION
20	MED 39 (19472)	CALCULATION METHODS FOR ENERGY EFFICIENCY AND ENERGY CONSUMPTION VARIATIONS AT COUNTRY REGION AND CITY LEVELS
21	MED 39 (23013) Revision of: IS/ISO 50006:2014	Energy Management Systems Evaluating Energy Performance using Energy Performance Indicators and Energy Baselines First Revision
22	MED 39 (23014)	Energy Management and Energy Savings - Guidance For Net Zero Energy In Operations Using An ISO 50001 Energy Management System
23	MED 39 (23015)	Energy Management Systems Assessing Energy Management Using ISO 50001 2018
24	MED 39 (26050)	Energy management systems - Requirements with guidance for use First Revision Amendment - 1
25	MED 39 (32795)	Energy Audits Part 3 Guidance for Conducting an Energy Audit using ISO 50002-1 in Processes
26	MED 39 (32797)	Energy Audits Part 2 Guidance for Conducting an Energy Audit using ISO 50002-1 in Buildings
27	MED 39 (32875)	Energy Audits Part 1 General Requirements with Guidance for use First Revision

Total Published Standards:20 Total Standards Under development:27

Aspect Wise Report

Product : 0
Code of Practices : 2
Methods of Test : 0
Terminology : 2
Dimensions : 0
System Standard : 14
Safety Standard : 0
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 2

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS/ISO 50003:2014 ISO 50003 : 2014 50003	Energy management systems - Requirements for bodies providing audit and certification of energy management systems
2	IS/ISO 50045:2019 ISO 50045 : 2019	Technical Guidelines for the Evaluation of Energy Savings of Thermal Power Plants

ISO 50045

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
<i>No Records Found</i>		