



MAPPING OF INDIAN STANDARDS TO SCHEMES/MISSIONS OF GOVERNMENT OF INDIA

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

BUREAU OF INDIAN STANDARDS

Ministry of Consumer Affairs,
Food and Public Distribution
Government of India

भारतीय मानक ब्यूरो
उपभोक्ता मामले, खाद्य और
सार्वजनिक वितरण मंत्रालय
भारत सरकार





Foreword

BIS being the National Standards Body of India has the onus of leading the Standardization activities in the nation, BIS has taken up a monumental task of mapping of applicable Indian Standards to government schemes/missions run by various ministries. Extensive brainstorming exercise was done by officers of Standardization and Certification departments to map more than 3200 Indian Standards towards 75 government schemes/missions panning across 29 Ministries/Departments of Government of India.

Following key advantages are envisaged through this exercise:

- ☐ Products procured by Central/State Government Departments for implementation of schemes are of right quality and adhere to Indian Standards.
- ☐ Wherever there are certain processes/services involved, the executive departments follow right code of practices.
- ☐ In case of certain products/processes/services for which Indian Standards are not available; such gap areas are identified in timely manner and respective technical committees can take up the matter for formulation of standards on such areas.
- ☐ Standards and quality culture is imbibed in central/state government departments across all levels, as adherence to Indian Standards fosters a culture of quality and reliability within government departments.
- ☐ For future schemes/missions government departments can proactively get involved with BIS for providing the necessary assistance pertaining to standardization needs related to upcoming schemes/missions.
- ☐ This will assist Ministries in preparing Annual Work Programme for Standardization.

The Indian Standards for each scheme mission have been classified into two broad categories:

- ☐ Product Standards
- ☐ Other than Product Standards

For each of these broad categories we have further identified:

- ☐ Standards Available
- ☐ Standards Under Development
- ☐ Areas Identified for Standardization in Future

Furthermore, mandatory standards under Quality Control Order (QCO) have been marked in dark shades.

With the mapping exercise BIS aims to contribute further towards a more effective and efficient implementation of various schemes/missions run by government and to imbibe quality culture across all levels where these schemes are making an impact.

This booklet includes standards relevant to respective Ministry/Department and is a part of Schemes through Standards document available on BIS website. Complete Schemes through Standards document can be accessed through following link:

https://www.bis.gov.in/wp-content/uploads/2023/07/Mapping-of-Schemes_Missions-of-Government-of-India.pdf

The document is of evolutionary nature and same has been prepared as discussion document. BIS will keep on updating this document based on inputs received from Central/State Ministries and Departments.

Indian Standards are readily available for download on BIS website under “Know Your Standards” tab and can be accessed through link or QR code mentioned below:



https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/knowyourstandards/indian_standards/isdetails

Indian Standards can be searched by any of the following ways:

- a) By IS Number
- b) By Keyword/Standard Title



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Section 1: Standards Pertaining to Civil Works **and Related Electrical Works**

About this Section

This list contains standards on commonly used materials related to civil works and also includes standards related to construction materials and electrical installations. This list aims to help the reader to identify standards for common aspects of civil works.

PART A1: Product Standards related to Civil Works

Cement	
IS 269: 2015	Ordinary Portland Cement — Specification (<i>Sixth Revision</i>)
IS 16415:2015	Composite Cement — Specification
IS 1489 (Part 1):2015	Portland Pozzolana Cement — Specification: Part 1 Fly Ash Based
IS 1489 (Part 2):2015	Portland Pozzolana Cement — Specification: Part 2 Calcined Clay Based (<i>Fourth Revision</i>)
IS 3812 (Part 2):2013	High Alumina Cement for Structural Use — Specification (<i>First Revision</i>)
IS 455:2015	Portland Slag Cement — Specification (<i>Fifth Revision</i>)
IS 8042:2015	White Portland Cement — Specification (<i>Third Revision</i>)
IS 8041: 1990	Rapid Hardening Portland Cement — Specification (<i>Second Revision</i>)
IS 16714:2018	Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete — Specification
Construction Materials	
IS 15658: 2021	Concrete Paving Blocks — Specification (<i>First Revision</i>)
IS 15778: 2007	Chlorinated Polyvinyl Chloride (CPVC) Pipes for Potable Hot and Cold Water Distribution Supplies — Specification
IS 383:2016	Coarse and Fine Aggregates for Concrete — Specification (<i>Third Revision</i>)
IS 2185 (Part 1):2005	Concrete Masonry Units — Specification: Part 1 Hollow and Solid Concrete Blocks (<i>Third Revision</i>)
IS 217: 2018	Cutback Bitumen — Specification (<i>Third Revision</i>)
IS 1786:2008	High Strength Deformed Steel Bars and Wires for Concrete Reinforcement — Specification (<i>Fourth Revision</i>)
IS 7834 Part 1:1987	Injection Moulded PVC Socket Fittings with Solvent Cement Joints for Water Supplies: Part 1 General Requirements
IS 432 (Part 1):1982	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement: Part 1 Mild Steel and Medium Tensile Steel Bars
IS 432 (Part 2):1982	Mild Steel and Medium Tensile Steel Bars and Hard-Drawn Steel Wire for Concrete Reinforcement: Part 2 Hard-Drawn Steel Wire
IS 73: 2013	Paving Bitumen — Specification (<i>Fourth Revision</i>)

IS 458:2021	Precast Concrete Pipes (with and without Reinforcement)
IS 3812 (Part 1):2013	Pulverized Fuel Ash — Specification: Part 1 for use as Pozzolana in Cement, Cement Mortar and Concrete (<i>Third Revision</i>)
IS 3812 (Part 2):2013	Pulverized Fuel Ash — Specification: Part 2 for use as Admixture in Cement Mortar and Concrete (<i>Third Revision</i>)
IS 16720:2018	Pulverized Fuel Ash-Cement Bricks — Specification
IS 17079:2019	Rubber Modified Bitumen (Rmb) - Specification
IS 6603: 2001	Stainless Steel Bars and Flats — Specification
IS 2556 (Part 1) :2021	Vitreous China Sanitary Appliances — Specification: Part 1 General Requirements (<i>Fourth Revision</i>)
IS 14982: 2022	Anti-Stripping Agents for Bitumen Addition — Specification
IS 3117: 2004	Bitumen Emulsion for Roads and Allied Applications Anionic Type — Specification (<i>First Revision</i>)
IS 8887: 2018	Bitumen Emulsion for Roads Cationic Type — Specification (<i>Third Revision</i>)
IS 15883 (Part 1)	Construction Project Management
IS 15808: 2008	Multi - Grade Bitumen for Use in Pavement Construction — Specification
IS 15462: 2019	Polymer Modified Bitumen Pmb Specification (<i>First Revision</i>)
IS 17052: 2018	Rejuvenating Agents for Hot Mix Recycling of Bituminous Surfacing — Specification
IS 16651:2017	High Strength Deformed Stainless Steel Bars and Wires for Concrete Reinforcement — Specification
Housing, Building Construction, Building Components	
IS 14846: 2000	Sluice Valve for Water Works Purposes (50 to 1200 mm Size) — Specification
IS 15391:2012	Solid Panel Foam UPVC Door Shutters — Specification
IS 2365: 2018	Steel Wire Suspension Ropes for Lifts, Elevators and Hoists — Specification (<i>Second Revision</i>)
IS 17546:2021	Chlorinated Polyvinyl Chloride (CPVC) Fittings for Potable Hot and Cold Water Distribution Supplies — Specification
IS 8360: 2022	Fabricated Polyethylene Fittings for Water Supply — Specification (<i>First Revision</i>)
IS 2202 (Part 1): 2023	Wooden Flush Door Shutters Solid Core Type Specification Part 1 Plywood Face Panels (<i>Seventh Revision</i>)
IS 2202 (Part 2): 2022	Wooden Flush Door Shutters Solid Core Type Specification Part 2 Particle Board High Density Fiber Board Medium Density Fiber Board and Hardboard Face Panels (<i>Fourth Revision</i>)
IS 2556 (Part 3): 2004	Vitreous Sanitary Appliances (Vitreous China) — Specification — Part 3: Specific Requirements of Squatting Pans
IS 17650 (Part 1): 2021	Water Efficient Plumbing Products Requirements: Part 1 Sanitaryware

IS 17650 (Part 2): 2021	Water Efficient Plumbing Products Requirements: Part 2 Sanitary Fittings
Pipes	
IS 13592: 2013	Unplasticized Polyvinyl Chloride (PVC-U) Pipes for Soil and Waste Discharge System Inside and Outside Buildings Including Ventilation and Rainwater System
IS 12818: 2010	Unplasticized Polyvinyl Chloride (PVC - U) Screen and Casing Pipes for Bore/ Tubewells
IS 4984:2016	Polyethylene Pipes for Water Supply — Specification (<i>Fifth Revision</i>)
IS 15450:2022	Polyethylene-Aluminium Polyethylene Composite Pressure Pipes for Hot and Cold Water Supplies — Specification (<i>First Revision</i>)
IS 15801:2008	Polypropylene-Random Copolymer Pipes for Hot and Cold Water Supplies — Specification
IS 4985:2021	Unplasticized PVC Pipes for Potable Water Supplies — Specification (<i>Fourth Revision</i>)
IS 15328:2003	Unplasticized Non-Pressure Polyvinyl Chloride (PVC-U) Pipes for use in Underground Drainage and Sewerage Systems — Specification
Steel for Structural Use	
IS 277:2018	Galvanised Steel Sheets
IS 4923:2017	Hollow Steel Section for Structural Use
IS 2062: 2011	Hot Rolled Medium and High Tensile Structural Steel
IS 6911: 2017	Stainless Steel Plate, Sheet and Strip — Specification
IS 1161: 2014	Steel Tubes for Structural Purposes — Specification
Fittings	
IS 14735: 1999	Unplasticized Polyvinyl Chloride (UPVC) Injection Moulded Fittings for Soil and Waste Discharge System for Inside and Outside Buildings Including Ventilation and Rain Water System
IS 14885:2022	Polyethylene Pipes for the Supply of Gaseous Fuels — Specification (<i>First Revision</i>)
IS 9271:2004	Unplasticized Polyvinyl Chloride (UPVC) Single Wall Corrugated Pipes for Drainage — Specification (<i>First Revision</i>)
IS 1703:2000	Water Fittings — Copper Alloy Float Valves (Horizontal Plunger Type) — Specification (<i>Fourth Revision</i>)



PART A2: Other than Product Standards related to Civil Works

Construction Materials	
SP 7: 2016	National Building Code of India
IS 10262:2019	Concrete Mix Proportioning — Guidelines (<i>Second Revision</i>)
IS 2541: 1991	Preparation and use of Lime Concrete — Code of Practice
IS 456: 2000	Plain and Reinforced Concrete - Code of Practice (<i>Fourth Revision</i>)
IS 4926:2003	Ready-Mixed Concrete — Code of Practice (<i>Second Revision</i>)
IS 5817: 1992	Preparation and use of Lime-Pozzolana Mixture Concrete in Buildings and Roads — Code of Practice
Building Construction	
IS 11384: 2022	Composite Construction in Structural Steel and Concrete — Code of Practice (<i>First Revision</i>)
IS 15797:2008	Roof Top Rainwater Harvesting — Guidelines
IS 15912:2018	Structural Design Using Bamboo — Code of Practice (<i>First Revision</i>)
IS 15916:2020	Building Design and Erection Using Prefabricated Concrete — Code of Practice
IS 15917:2020	Building Design and Erection Using Mixed/Composite Construction — Code of Practice
IS 16231 (Part 1):2019	Use of Glass in Buildings — Code of Practice: Part 1 General Methodology for Selection (<i>First Revision</i>)
IS 16231 (Part 2):2019	Use of Glass in Buildings — Code of Practice: Part 2 Energy and Light (<i>First Revision</i>)
IS 16231 (Part 3):2019	Use of Glass in Buildings — Code of Practice: Part 3 Fire and Loading (<i>First Revision</i>)
IS 16231 (Part 4):2019	Use Of Glass in Buildings — Code of Practice: Part 4 Safety Related to Human Impact (<i>First Revision</i>)
Water Supply & Sanitation	
IS 1172: 1993	Code of Basic Requirements for Water Supply, Drainage and Sanitation
IS 14961:2001	Guidelines For Rainwater Harvesting in Hilly Areas by Roof Water Collection System
Pipes and Fittings	
IS 7634 (Part 2):2012	Plastics Pipes Selection, Handling, Storage and Installation for Potable Water Supplies — Code of Practice: Part 2 Laying and Jointing of Polyethylene (PE) Pipes (<i>First Revision</i>)
IS 7634 (Part 3):2003	Plastic Pipes Selection, Handling, Storage and Installation for Potable Water Supplies — Code of Practice: Part 3 Laying and Jointing of UPVC Pipes (<i>First Revision</i>)
SP 57: 1993	Handbook for Pipes and Fittings for Drinking Water Supply



Infrastructure & Safety	
IS 13935:2009	Seismic Evaluation, Repair and Strengthening of Masonry Buildings — Guidelines (<i>First Revision</i>)
IS 14496 (Part 1):2020	Preparation of Landslide Hazard Zonation Maps in Mountainous Terrains — Guidelines: Part 1 Meso-Zonation
IS 14496 (Part 2):1998	Preparation of Landslide Hazard Zonation Maps in Mountainous Terrains — Guidelines: Part 2 Macro-Zonation
IS 15988:2013	Seismic Evaluation and Strengthening of Existing Reinforced Concrete Buildings — Guidelines
IS 17162:2020	Preparation of Landslide Risk Assessment Maps in Mountainous Terrains — Guidelines



PART A3: Product Standards related to Electrical Installations in Civil Works

Switchgear	
IS 12640 (Part 1): 2016	Residual Current Operated Circuit Breakers without Integral Overcurrent Protection for Household and Similar Uses (RCCBs): Part 1 General Rules
IS/IEC 60898 (Part 1): 2015	Electrical Accessories - Circuit Breakers for Overcurrent Protection for Household and Similar Installations: Part 1 Circuit — Breakers for AC Operation
IS/ IEC 61008: 2010	Residual Current Operated Circuit Breakers Without Integral Over Current Protection
Energy Management	
IS 13779: 2020	AC Static Watthour Meters Class 1 And 2 — Specification
IS 16444 (Part 1): 2015	AC Static Direct Connected Watthour Smart Meter Class 1 and 2 — Specification
IS 16444 (Part 2): 2017	AC Static Transformer Operated Watthour and VAR - Hour Smart Meters, Class 0.2 S, 0.5 S and 1.0 S: Part 2 Specification Transformer Operated Smart Meters
IS 16476 (Part 1): 2017	Led Based Solar Lantern Part 1 — Specification
IS 16614 (Part 2): 2022	Double-Capped Led Linear Lamps Part 2 — Performance Specification
Electrical Appliances	
IS 1391 (Part 1): 2017	Room Air Conditioners — Specification: Part 1 Unitary Air Conditioners
IS 1391 (Part 2): 2018	Room Air Conditioners — Specification: Part 2 Split Air Conditioners
IS 19014: 2022	Household Electric Cooking Appliances — Performance Requirements of Electric Hobs
IS 2082 :2018	Stationary Storage Type Electric Water Heaters — Specification (<i>Fifth Revision</i>)
IS 374: 2019	Specification For Electric Ceiling Type Fans (<i>Third Revision</i>)
Power Systems	
IS 9537 (Part 1 to Part 6)	Conduits for Electrical Installations
IS 1180 (Part 1): 2014	Outdoor Type Oil Immersed Distribution Transformers Up to and Including 2 500 kVA, 33kV — Specification Part 1 Mineral Oil Immersed
IS 1180 (Part 3): 2021	Outdoor/Indoor Type Liquid Immersed Distribution Transformers up to and Including 2 500 kVA, 33 kV — Specification Part 3 Natural/Synthetic Organic Ester Liquid Immersed
IS 1293:2019	Plugs And Socket- Outlets of Rated Voltage up to and Including 250 Volts and Rated Current up to and Including 16 Amperes — Specification (<i>Fourth Revision</i>)
IS 3854: 1997	Switches for Domestic and Similar Purposes
IS 1554 (Part 1): 1988	Specification For PVC Insulated (Heavy Duty) Electric Cables: Part 1 for Working Voltages up to and including 1100 V (<i>Third Revision</i>)

IS 1554 (Part 2): 1988	Specification For PVC Insulated (Heavy Duty) Electric Cables: Part 2 For Working Voltages From 3.3 kV up to and Including 11 kV (<i>Second Revision</i>)
IS 694: 2010	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with Rigid and Flexible Conductor for Rated Voltages up to and including 1100 V
IS 7098 (Part 1): 1988	Specification for Cross-linked Polyethylene Insulated PVC Sheathed Cables: Part 1 for Working Voltages up to and Including 1100 Volts
IS/IEC 60947 Series	Low-Voltage Switchgear and Control Gear
IS 13703: 1993	Low Voltage Fuses for Voltage not Exceeding 1 000 V AC or 1500 V DC
IS 14772: 2000	Enclosures for Accessories for Household and Similar Fixed Electrical Installations
Luminaries	
IS 10322 (Part 5 / Sec 1): 2012	Luminaires Part 5 Particular Requirements Sec 1 Fixed General Purpose Luminaires
IS 16102 (Part 2): 2017	Self — Ballasted Led Lamps for General Lighting Services: Part 2 Performance Requirements (<i>First Revision</i>)
IS 16103 (Part 1): 2012	Led Modules for General Lighting: Part 1 Safety Requirements
IS 16103 (Part 2): 2012	Led Modules for General Lighting: Part 2 Performance Requirements
IS 16107 (Part 2/ Sec 2): 2017	Luminaires Performance Part 2 Particular Requirements Section 2 Led Street Lighting Luminaire



PART A4: *Other than Product Standards* related to Electrical Installations in Civil Works

Code of Practice	
SP 30: 2023	National Electrical Code of India
IS 732: 2019	Code of Practice for Wiring Installations
IS 1255: 1983	Code of Practice for Installation and Maintenance of Cables up to and Including 33kV Rating
IS 2440:1975	Guide For Daylighting of Buildings (<i>Second Revision</i>)
IS 3646(Part 1):1992	Code of Practice for Interior Illumination: Part 1 General Requirements and Recommendations for Working Interiors (<i>First Revision</i>)
IS 6060:1971	Code of Practice for Daylighting of Factory Buildings
IS 7942:1976	Code of Practice for Daylighting of Educational Buildings
IS 9457:2005	Safety Colours and Safety Signs-Code of Practice (<i>First Revision</i>)
IS 16103 (Part 1): 2012	LED Modules for General Lighting: Part 1 Safety Requirements
Power Systems	
IS 16205(Part 1): 2017	Conduit Systems for Cable Management — General Requirements
IS/ IEC 60364-5-52: 2009-10	Low Voltage Electrical Installations — Selection and Erection of Electrical Equipment — Wiring Systems
IS 12063:1987	Classification of Degree of Protection by Enclosures of Electrical Equipment



Section 2: Standards Related to Management Systems

About this Section

This section encompasses published Management System standards that are applicable across schemes. These standards provide a systematic framework for organizations to establish, implement, maintain, and continually improve their management systems.

IS/ISO 9001: 2015	Quality Management Systems — Requirements
IS/ISO 31000: 2018	Risk Management — Guidelines
IS 16010: 2012	Good Governance — Guidance
IS/ISO 10006: 2017	Quality Management Systems — Guidelines for Quality Management in Projects
IS/ISO 10018: 2020	Quality Management Guidance for People Engagement
IS/ISO 10015: 2019	Guidelines For Competence Management and People Development
IS/ISO 30408: 2016	Human Resource Management — Guidelines on Human Governance
IS/ISO 30409: 2016	Human Resource Management — Workforce Planning
IS/ISO/TR 30406: 2017	Human Resource Management — Sustainable Employability Management for Organizations
IS/ISO 32210: 2022	Sustainable Finance — Guidance on the Application of Sustainability Principles for Organizations in the Financial Sector
IS/ISO 10014: 2021	Quality Management Systems — Managing an Organization for Quality Results — Guidance for Realizing Financial and Economic Benefits
IS/ISO 9004: 2018	Quality Management — Quality of an Organization - Guidance to Achieve Sustained Success
IS/ISO 12812 (Part 1 to 5): 2017	Core Banking — Mobile Financial Services
IS/ISO/TR 30406: 2017	Human Resource Management — Sustainable Employability Management for Organizations
IS/ISO 21503:2022	Project, Programme and Portfolio Management — Guidance on Programme Management



Section 3: Mapping of Scheme/Missions

National Coastal Mission

Ministry of Environment, Forest and Climate Change

About the Scheme/Mission

National Coastal Mission will not only conserve the coastal environment but also promote development, generate revenue and provide employment. The program provides the basis for protecting, restoring, and responsibly developing our nation's diverse coastal communities and resources.

Product Standards

Standards Published

Fibre Optics, Fibers, Cables and Devices	
IS/IEC 60794-3-30 : 2018	Optical Fibre Cables Part 3 Outdoor Cables Section 30 Family Specification for Optical Telecommunication Cables for Lakes, River Crossings and Coastal Applications
Geotextile	
IS/IEC 60794-3-30 : 2018	Optical Fibre Cables Part 3 Outdoor Cables Section 30 Family Specification for Optical Telecommunication Cables for Lakes, River Crossings and Coastal Applications
IS 16654 : 2017	Geosynthetics – Polypropylene Multifilament Woven Geobags for Coastal and Waterways Protection – Specification
IS 16653 : 2017	Geosynthetics – Needle Punched Nonwoven Geobags for Coastal and Waterways Protection – Specification
IS 17880 : 2022	Geosynthetics – Polymer Gabions for Coastal and Waterways Protection – Specification
IS 16090 : 2013	Geo—Synthetics – Geo—Textiles Used as Protection Or Cushioning Materials – Specification
IS 16392 : 2015	Geosynthetics – Geotextiles for Permanent Erosion Control in Hard Armor Systems – Specification
IS 17483 (Part 2) : 2020	Geosynthetics – Geocells – Specification Part 2 : Slope Erosion Protection Application

Standards under Development

Geotextile
Geotextile Tube for Coastal and Waterways Protection
Geosynthetics – Prefabricated Vertical Drains for Quick Consolidation for Very Soft Plastic Soil – Specification



Areas Identified for Standardization in Future

Proposed Subject
NA

Other than Product Standards

Standards Published

Cyclones	
IS 15499 : 2004	Guidelines for Survey of Housing and Building Typology in Cyclone Prone Areas for Assessment of Vulnerability of Regions and Post Cyclone Damage Estimation
IS 15498:2004	Guidelines for Improving The Cyclonic Resistance of Low Rise Houses and Other Buildings/Structures
IS 17164:2020	Design and Construction of Cyclone Shelters — Guidelines
Fish, Fisheries and Aquaculture	
IS 14516 : 1998	Cured Fish and Fishery Products — Processing and Storage — Code of Practice
IS 14520 : 2018	Fish Industry — Operational Cleanliness and Layout of Market — Guidelines
Port and Harbour Design	
IS 4651 (Part 1):2020	Planning and Design of Ports and Harbours — Code of Practice: Part 1 Site Investigation (<i>Second Revision</i>)
IS 4651 (Part 2):2020	Planning and Design of Ports and Harbours — Code of Practice: Part 2 Geotechnical Engineering (<i>Second Revision</i>)
IS 4651 (Part 3):2020	Planning and Design of Ports and Harbours — Code of Practice: Part 3 Loading (<i>Second Revision</i>)
IS 4651 (Part 4):2014	Planning and Design of Ports and Harbours — Code of Practice: Part 4 General Design Considerations (<i>Third Revision</i>)
IS 4651 (Part 5):2015	Code of Practice for Planning and Design of Ports and Harbours: Part 5 Layout and Functional Requirements

Standards under Development

Coastal Zone Water Management
Prevention of Salt Water Intrusion in Coastal Area – Guidelines
Prevention of Coastal Hazards in Coastal Area — Guidelines
Coastal Erosion Protection Using Gabions — Guidelines
Remote Sensing Standard
Standards for LiDAR

Areas Identified for Standardization in Future

Proposed Subject
Underwater Network Management System (U—NMS) Interworking



National Mission for a Green India

Ministry of Environment, Forest and Climate Change

About the Scheme/Mission

The National Mission for a Green India or the commonly called Green India Mission (GIM), is one of the eight Missions under the National Action Plan on Climate Change (NAPCC). It was launched in February, 2014 with the objective to safeguard the biological resources of our nation and associated livelihoods against the peril of adverse climate change and to recognise the vital impact of forestry on ecological sustainability, biodiversity conservation and food—, water— and livelihood—security. It aims at protecting, restoring and enhancing India's diminishing forest cover and responding to climate change through adaptation and mitigation measures. It envisages a holistic view of greening that extends beyond tree planting.

Product Standards

Standards Published

Agricultural Machinery	
IS 17310 (Part 3) : 2019/ ISO 16119-3: 2013	Agricultural and Forestry Machinery — Environmental Requirements for Sprayers : Part 3 Sprayers for Bush and Tree Crops
IS 17310 (Part 2) : 2019/ ISO 16119—2: 2013	Agricultural and Forestry Machinery — Environmental Requirements for Sprayers : Part 2 Horizontal Boom Sprayers
Fire Fighting Equipment	
IS 12859 : 1989	Fire Fighting — Brush Hook for Forest Fires — Specification
IS 12861 : 1989	Fire Fighting — Double Bit Axe for Forest Fires — Specification
IS 12862 : 1989	Fire Fighting — Shovel for Forest Fires — Specification
Methods to Prevent Forest Fires	
IS 12805 : 1989	Tool Mcleod for Fighting Forest Fires — Specification
IS 12853 : 1989	Specification Pulaski Tool for Forest Fire

Standards under Development

Broad Category
NA

Areas Identified for Standardization in Future

Proposed Subject
NA



Other than Product Standards

Standards Published

Geospatial Information	
IS 16439 : 2016	Metadata Standard for Geospatial Information
Sustainable Finance	
for More Standards Pertaining to Management Systems for The Scheme Please Refer Section 3	
Timber Species	
IS 1150 : 2020	Trade Names and Abbreviated Symbols for Timber Species (<i>Third Revision</i>)
Water Management and Planning	
IS 6748 (Part 1) : 1973	Recommendations for Watershed Management Relating to Soil Conservation: Part 1 Agronomic Aspects

Standards under Development

Geospatial Information	
Data Content Standard for Geospatial Information Part —3 Forestry	

Areas Identified for Standardization in Future

Proposed Subject	
Guidelines for Green Belt Development	
Guidelines for Restoration of Selected Endangered, Threatened and Endemic Species of The Country	



Amrit Dharohar Scheme

(Optimal Use of Wetlands, Enhancing Bio-Diversity and Eco-Tourism)

Ministry of Environment, Forest and Climate Change

About the Scheme/Mission

Key features of AmritDharohar scheme encompass promoting the unique conservation values of wetlands including their optimal use for enhancing biodiversity, carbon stock, ecotourism opportunities and income generation for local communities. The objectives inter-alia are integrated management of such wetlands for green growth, developing nature and culture-based tourism at the sites, community stewardship for wetland based livelihood, heritage, and culture, building convergence with different Ministries and departments, State Governments, Research and academic institutions and Industrial Sector

Product Standards

Standards Published

Broad Category
NA

Standards under Development

Broad Category
NA

Areas Identified for Standardization in Future

Proposed Subject
NA

Other than Product Standards

Standards Published

Data Management	
IS 16439 : 2016	Metadata Standard for Geospatial Information
Environmental Impact Assessment	
IS 15442	Parameters for Environment Impact Assessment of Water Resources Projects
Water Quality	
IS 17614 (Part 12)	Water Quality Sampling Part 12: Guidance On Sampling of Bottom Sediments From Rivers Lakes and Estuarine Areas
for more Standards Pertaining to Management Systems for the scheme please refer Section 3	



Standards under Development

Broad Category
NA

Areas Identified for Standardization in Future

Proposed Subject
Carbon Sequestration for Estuaries
Guidelines for Sustainable Eco tourism
Guidelines for Conservation/Restoration for Wetland/Estuaries



Lifestyle for Environment — LiFE

Ministry of Environment, Forest and Climate Change

About the Scheme/Mission

LiFE envisions replacing the prevalent ‘use—and—dispose’ economy—governed by mindless and destructive consumption—with a circular economy, which would be defined by mindful and deliberate utilization. The Mission intends to nudge individuals to undertake simple acts in their daily lives that can contribute significantly to climate change when embraced across the world.

Product Standards

Standards Published

Biofertilizer	
IS 18146 : 2023	Phosphate Rich Organic Manure
IS 18121 : 2023	Biofertilizer Liquid Based Phosphate Solubilizing Fungal Inoculants <i>Aspergillus Awamori</i> Specification
IS 17755 : 2022	Consortia of Microbial Inoculants (Mixed Biofertilizer Inoculants) — Specification
IS 17134 : 2020	Biofertilizer — Liquid Based Rhizobium Inoculants — Specification
Eco—friendly Products	
IS 17693: 2022	Non—Electric Cooling Cabinet Made of Clay
IS 18163 : 2024	Agro—Based Cutlery
Jute Bags for packaging	
IS 15138:2010	Textiles — Jute Bags for Packing 50 Kg Sugar — Specification (<i>First Revision</i>)
IS 16186 : 2014	Textiles — Light Weight Jute Sacking Bags for Packing 50 Kg Foodgrains — Specification
IS 16371 : 2015	Textiles — Light Weight Jute Sacking Bags (600 G) for Packing 50 Kg Foodgrains — Specification
IS 16372 : 2015	Textiles — Jute Bags for Packing Up to 30 Kg Foodgrains — Specification
IS 18161 : 2023	Textiles Light Weight Jute Sacking Bags for Packing 50 Kg Mustard Seed Niger Seed and Ragi Specification
IS 18162 : 2023	Textiles Light Weight Jute Sacking Bags for Packing 50 Kg Pulses and Soyabean Specification
IS 18163 : 2023	Textiles Light Weight Jute Sacking Bags for Packing 35 Kg Groundnut With Shell Specification
Motor	
IS 18073 : 2023	Electric Traction Motor — Performance and Functional Requirements
IS 12615 : 2018	Line Operated Three Phase Ac Motors (Ie Code) “Efficiency Classes and Performance Specification” (<i>Third Revision</i>)
for more Standards Pertaining to Electrical Installations, please refer Section 2— Part A3	
Rain water harvesting	
IS 14994:21:00	Guidelines for Rain Water Harvesting in Hilly Areas By Roof Water Collection System



Recycling Plastics	
IS 14534: 2023	Plastics Guidelines for The Recovery and Recycling of Plastics Waste
Renewable Energy Equipment	
IS 12933 (all parts)	Solar Plates and Collectors
IS 17018 : Part 1 : 2018	Solar Photovoltaic Water Pumping Systems Part 1 Centrifugal Pumps Specification
IS 8749 : 2002	Biogas Stove

Standards under Development

Energy Management	
Specific Requirement for Reess and Powertrain of L Category of Vehicles	
Specific Requirement for Reess and Powertrain of M & N Category of Vehicles	
Waste Disposal	
Small Incinerators for Sanitary Napkins — Guidelines and General Requirements	

Areas Identified for Standardization in Future

Proposed Subject
NA

Other than Product Standards

Standards Published

General Luminaire	
for more Standards Pertaining to Electrical Installations, please refer Section 2— Part A4	
Groundwater recharge	
IS 15792 : 2008	Artificial Recharge to Groundwater Guidelines
Quality Management	
for more Standards Pertaining to Management Systems for the scheme please refer Section 3	
Rain water harvesting	
IS 15797 : 2008	Roof top Rain Water Harvesting
Renewable Energy Equipment	
IS 9478 : 2023	Design, Construction, Installation and Operation of Biogas (Biomethane) Plant — Code of Practice
IS 16368 : 2015	Test Procedure for Thermosyphon Type Domestic Solar Hot Water Heating Systems

Standards under Development

Broad Category
NA

Areas Identified for Standardization in Future

Proposed Subject
Performance Indicator for Enviro— Economic Social Governance and Impact Assessments for Environmental Social Governance (ESG's)



MISHTI — Mangrove Initiative for Shoreline Habitats and Tangible Incomes

Ministry of Environment, Forest and Climate Change

About the Scheme/Mission

The Mangrove Initiative for Shoreline Habitats and Tangible Incomes (MISHTI) aims to restore and protect the mangrove ecosystem in India. Mangroves play a crucial role in mitigating the threats posed by rising sea levels and cyclones to coastal areas and the livelihoods of communities.

Product Standards

Standards Published

Broad Category
NA

Standards under Development

Broad Category
NA

Areas Identified for Standardization in Future

Proposed Subject
NA

Other than Product Standards

Standards Published

Geospatial Information	
IS 16439 : 2016	Metadata Standard for Geospatial Information

Standards under Development

Geospatial Information
Data Content Standard for Geospatial Information Part —3 forestry

Areas Identified for Standardization in Future

Proposed Subject
Guidelines for Biodiversity Management — Mangroves
Performance Indicator for Enviro— Economic Social Governance and Impact Assessments for Environmental Social Governance (ESG's)



India Cooling Action Plan (ICAP)

Ministry of Environment, Forest and Climate Change

About the Scheme/Mission

The India Cooling Action Plan (ICAP) provides an integrated vision towards cooling across sectors encompassing, inter alia, reduction of cooling demand, refrigerant transition, enhancing energy efficiency and better technology options by 2037—38 through forging synergies with on—going programmes/ schemes of the Government.

Product Standards

Standards Published

Air conditioning	
IS 1391 (Part 1) : 2017	Room Air Conditioners — Specification Part 1 Unitary Air Conditioners
IS 1391 (Part 2) : 2018	Room Air Conditioners — Specification: Part 2 Split Air Conditioners
IS 8148 : 2018	Ducted and Package Air—Conditioners — Specification
IS 16590 : 2017	Liquid Chilling Package Units — Specification
IS 3315 : 2019	Evaporative Air Coolers (Desert Coolers) — Specification
IS/IEC 60335–2–40 : 2018	Household and Similar Electrical Appliances Safety Particular Requirements for Electrical Heat Pumps Air—Conditioners and Dehumidifiers
Refrigeration	
IS/IEC 60335–2–89 : 2010	Household and Similar Electrical Appliances — Safety Part 2 — 89 Particular Requirements for Commercial Refrigerating Appliances With An Incorporated Or Remote Refrigerant Unit Or Compressor
IS 17773 : 2022	Closed—Circuit Ammonia Refrigeration System — Code of Practice for Design and Installation (ANSI/IIAR 2 : 2014, NEQ)
IS 17550 (Part 1) : 2021	Household Refrigerating Appliances — Characteristics and Appliances — Characteristics and Test Methods Part 1 General Requirements
IS 7872: 2020	Deep Freezers — Specification
IS 1475 (Part 1) : 2001	Self—Contained Drinking Water Coolers — Specification: Part 1 Energy Consumption and Performance
IS 16672 (Part 2) : 2017 ISO 23953—2 : 2015	Refrigerated Display Cabinets: Part 2 Classification, Requirements and Test Conditions
IS/ISO 11650 : 1999	Performance of Refrigerant Recovery and/Or Recycling Equipment
IS 17693 : 2022	Non—Electric Cooling Cabinet Made of Clay
Thermal Insulation	
IS 16203 : 2016	Prefabricated Polyurethane Sandwich Panels — Specification

Standards under Development

Broad Category
NA



Areas Identified for Standardization in Future

Proposed Subject
Multiple Split—System Air Conditioners and Air—to—Air Heat Pumps (Vrf) Air Conditioners — Specification
Flexible Elastometric Foam (FEF) Products for Thermal Insulation of Building Equipment, Building Structures and Industrial Application — Specification

Other than Product Standards

Standards Published

Air Conditioning	
IS 14618 : 2022	Automotive Vehicles — Air—Conditioning and Heating Systems Thermal Performance — Method of Measurement
Refrigeration	
IS 16656 : 2017/ ISO 817 : 2014	Refrigerants — Designation and Safety Classification
Thermal insulation	
IS 661 : 2019	Thermal Insulation of Cold Storage — Code of Practice Fourth Revision
IS 14164 : 2008	Industrial Application and Finishings of Thermal Insulation Materials At Temperatures Above — 80°C and Up to 750°C — Code of Practice (<i>First Revision</i>)

Standards under Development

Broad Category
NA

Areas Identified for Standardization in Future

Proposed Subject
Refrigerating Systems and Heat Pumps — Competence of Personnel
Thermal Insulation for Building Equipment and Industrial Installations — Calculation Rules

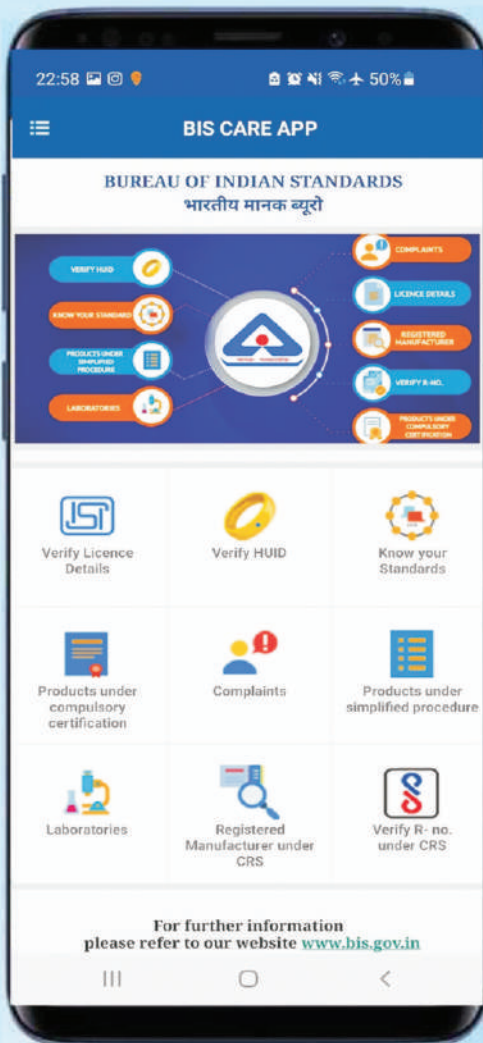


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- Check the authenticity of Hallmarked Jewellery items with HUID number by using 'verify HUID'.
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- Check the authenticity of electronic products with R-number by using 'Verify R-number' under CRS.
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STANDARDS COORDINATION AND MONITORING DEPARTMENT

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi-110002

Email: sppd@bis.gov.in

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