



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

MINISTRY OF POWER

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



Table of Contents

Sl. No.	Details	Page No.
1.	Section – 1: Standards Pertaining to Civil Works and Related Electrical Works	05
	Part A1 Product Standards related to Civil Works	05
	Part A2 Other than Product Standards related to Civil Works	08
	Part A3 Product Standards related to Electrical Installations in Civil Works	10
	Part A4 Other than Product Standards related to Electrical Installations in Civil Works	12
2.	Section – 2: Standards Related to Management Systems	13
3.	Section – 3: Mapping of Scheme/Missions	14
	Ministry of Power	14
	National Mission for Enhanced Energy Efficiency	14
	Deendayal Upadhyaya Gram Jyoti Yojana	16
	National Smart Grid Mission	18
	Unnat Jyoti by Affordable LEDs for All (UJALA)	21



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	Luminaries 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 Mission for Enhanced Energy Efficiency

Ministry of Power

About the Scheme/Mission

The National Mission for Enhanced Energy Efficiency (NMEEE) is one of the eight national missions under the National Action Plan on Climate Change (NAPCC). NMEEE aims to strengthen the market for energy efficiency by creating conducive regulatory and policy regime and has envisaged fostering innovative and sustainable business models to the energy efficiency sector.

Product Standards

Standards Published

Deep Freezer	
IS 7872 : 2020	Deep Freezers — Specification
Gas Stove	
IS 4246 : 2002	Domestic Gas Stoves for Use With Liquefied Petroleum Gases — Specification
Inverters	
IS 13314 : 1992	Solid State Inverters Run From Storage Batteries — Specification
Microwave Oven	
IS 11676 : 1995	Microwave Ovens for Household and Similar Purposes — Specification
Refrigerator	
IS 17550 (Part 3) : 2021	Household Refrigerating Appliance— Characteristics and test methods Part 3 Energy Consumption and volume
Single Phase Motor	
IS 996 : 2009	Single Phase A.C. Induction Motors for General Purpose
for Standards Pertaining to Electrical Installations, Please Refer Section 2— Part A3	

Standards under Development

Broad Category
NA

Areas Identified for Standardization in Future

Proposed Subject
NA



Other than Product Standards

Standards Published

Broad Category	
NA	NA

Standards under Development

Broad Category
NA

Areas Identified for Standardization in Future

Proposed Subject
NA



Deendayal Upadhyaya Gram Jyoti Yojana

Ministry of Power

About the Scheme/Mission

The Government of India has launched the scheme “Deendayal Upadhyaya Gram Jyoti Yojana” for rural electrification. The erstwhile Rajiv Gandhi Grameen Vidyutikaran Yojana (RGGVY) scheme for village electrification and providing electricity distribution infrastructure in the rural areas has been subsumed in the DDUGJY scheme. Rural Electrification Corporation is the Nodal Agency for implementation of DDUGJY.

Product Standards

Standards Published

Cartridge Fuse	
IS/IEC 60127—2 : 2003	Miniature Fuses: Part 2 Cartridge Fuse — Links
Concrete Poles	
IS 785 : 1998	Reinforced Concrete Poles for Overhead Power and Telecommunication Lines — Specification
Conductor	
IS 14255 : 1995	Aerial Bunched Cables — for Working Voltages Up to and Including 1100 Volts — Specification
IS 398 (Part 1) : 1996	Aluminium Conductors for Overhead Transmission Purposes — Specification: Part 1 Aluminium Stranded Conductors
IS 398 (Part 2) : 1996	Aluminium Conductors for Overhead Transmission Purposes — Specification: Part 2 Aluminium Conductors, Galvanized Steel — Reinforced
IS 398 (Part 4) : 1994	Aluminium Conductors for Overhead Transmission Purposes: Part 4 Aluminium Alloy Stranded Conductors (Aluminium - Magnesium - Silicon Type) — Specification
IS 7098 (Part 1) : 1988	Specification for Crosslinked Polyethylene Insulated PVC Sheathed Cables: Part 1 for Working Voltages Up to and Including 1100 Volts
IS 7098 (Part 2) : 2011	Crosslinked Polyethylene Insulated Thermoplastic Sheathed Cables — Specification: Part 2 for Working Voltages From 3.3 KV Up to and Including 33 KV
Current Transformer	
IS 16227 (Part 2) : 2016	Instrument Transformers: Part 2 Additional Requirements for Current Transformers
Electrical Poles	
IS 2713 (Part 1 to 3) : 1980	Tubular Steel Poles for Overhead Power Lines
Surge Protective Device (SPD)	
IS 15086 (Part 4) : 2017	Surge Arresters: Part 4 Metal — Oxide Surge Arresters Without Gaps for A.C. Systems



IS 15086 (Part 8) : 2017	Surge Arresters: Part 8 Metal Oxide Surge Arresters with External Series Gap (EGLA) for Overhead Transmission and Distribution Lines of A.C. Systems Above 1 KV
IS 16463 (Part 11) : 2016	Low - Voltage Surge Protective Devices: Part 11 Surge Protective Devices Connected to Low - Voltage Power Systems — Requirements and Test Methods
Voltage Transformer	
IS 16227 (Part 3) : 2015	Instrument Transformers: Part 3 Additional Requirements for Inductive Voltage Transformers
for Standards Pertaining to Electrical Installations, Please Refer Section 2— Part A3	

Standards under Development

Broad Category
NA

Areas Identified for Standardization in Future

Proposed Subject
NA

Other than Product Standards

Standards Published

for more Standards Pertaining to Electrical Installations, please refer Section 2— Part A4
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Standards under Development

Broad Category
NA

Areas Identified for Standardization in Future

Proposed Subject
NA



National Smart Grid Mission

Ministry of Power

About the Scheme/Mission

National Smart Grid Mission (NSGM) was established by Government of India in 2015 to plan and monitor implementation of policies and programmes related to Smart Grid activities in India. The primary aim of the Smart Grids is to improve reliability of the Electricity networks and make the grid amenable to renewable energy inputs through distributed generation. Further, increased efficiencies with Smart Grid and Smart Meters empower the consumers to manage their electricity consumption in a better manner and help them in reducing their bills. In addition, the NSGM also envisages capacity building initiatives for Distribution Sector personnel in the field of Smart grids.

Product Standards

Standards Published

EV Charging System	
IS 17017 (Part 1) : 2018	Electric Vehicle Conductive Charging System Part 1 General Requirements
PV module	
IS 14286 (Part 1) : 2019 IEC 61215—1 : 2016	Terrestrial Photovoltaic PV Modules — Design Qualification and Type Approval Part 1 Test Requirements (<i>Second Revision</i>)
IS 14286 (Part 1/Sec 1) : 2019 IEC 61215—1—1 : 2016	Terrestrial Photovoltaic PV Modules — Design Qualification and Type Approval Part 1 Test Requirements Sec 1 Special Requirements for Testing of Crystalline Silicon Photovoltaic PV Modules (<i>Second Revision</i>)
IS 14286 (Part 1/Sec 2) : 2019 IEC 61215—1—2 : 2016	Terrestrial Photovoltaic PV Modules — Design Qualification and Type Approval Part 1 Test Requirements Sec 2 Special Requirements for Testing of Thin — Film Cadmium Telluride CdTe Based Photovoltaic PV Modules (<i>Second Revision</i>)
IS 14286 (Part 1/Sec 3) : 2019 IEC 61215—1—3 : 2016	Terrestrial Photovoltaic PV Modules — Design Qualification and Type Approval Part 1 Test Requirements Sec 3 Special Requirements for Testing of Thin-Film Amorphous Silicon Based Photovoltaic PV Modules (<i>Second Revision</i>)
IS 14286 (Part 1/Sec 4) : 2019 IEC 61215—1—4 : 2016	Terrestrial Photovoltaic PV Modules — Design Qualification and Type Approval Part 1 Test Requirements Sec 4 Special Requirements for Testing of Thin-Film Cu in Ga S Se 2 Based Photovoltaic PV Modules (<i>Second Revision</i>)
IS 14286 (Part 2) : 2019 IEC 61215 —2 : 2016	Terrestrial Photovoltaic PV Modules — Design Qualification and Type Approval Part 2 Test Procedures (<i>Second Revision</i>)
IS 14286 : 2010 IEC 61215 : 2005	Crystalline Silicon Terrestrial Photovoltaic PV Modules — Design Qualification and Type Approval (<i>First Revision</i>)



Smart meter	
IS 15959 (Part 2) : 2016	Data Exchange for Electricity Meter Reading Tariff and Load Control — Companion Specification Part 2 Smart Meter
IS 15959 (Part 3) : 2017	Data Exchange for Electricity Meter Reading Tariff and Load Control — Companion Specification Part 3 Smart Meter Transformer Operated Kwh and KVarh Class 0.2 S, 0.5 S and 1.0 S
IS 16444 : 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
Wind energy system	
IS/IEC 61400—12—1) : 2017	Wind Energy Generation Systems Part 12 Electricity Producing Wind Turbines Section 1 Power Performance Measurements
Wind turbines	
IS/IEC 61400—2 : 2013	Wind Turbines Part 2: Small Wind Turbines
for Standards Pertaining to Electrical Installations, please refer Section 2— Part A3	

Standards under Development

Broad Category
NA

Areas Identified for Standardization in Future

Proposed Subject
NA



Other than Product Standards

Standards Published

System Interface	
IS/IEC 62746—10—1 : 2018	Systems Interface Between Customer Energy Management and The Power Management System — Part 10-1 Open Automated Demand Response

Standards under Development

Power Quality
Power Quality Measurement Monitoring Methods

Areas Identified for Standardization in Future

Proposed Subject
NA



UnnatJyoti by Affordable LEDs for All-UJALA

Ministry of Power

About the Scheme/Mission

The UnnatJyoti by Affordable LEDs for All was launched in 2015 with a target of replacing 77 cr incandescent lamps with LED bulbs. To nullify the high-cost of LEDs that acted as a barrier previously in adoption of energy efficient systems, the scheme was implemented to set up phase wise LED distribution across the nation to provide people with affordable LED bulbs and energy efficient appliances. The objective is to promote efficient lighting, enhance awareness on using efficient equipment that will reduce electricity bills and preserve the environment.

Product Standards

Standards Published

Ceiling Fan	
IS 374:2019	Specification for Electric Ceiling Type Fans and Regulators
LED Bulb	
IS 16102 (Part 1):2012	Self - Ballasted LED Lamps for General Lighting Services Part 1 Safety Requirements
IS 16102 (Part 2):2017	Self - Ballasted LED Lamps for General Lighting Services Part 2 Performance Requirements
LED Module	
IS 16103 (Part 1): 2012	LED Modules for General Lighting Part 1 Safety Requirements
IS 16103 (Part 2): 2017	LED Modules for General Lighting Part 2 Performance Requirements
LED Tubelight	
IS 16614 (Part 2) : 2022	Double-Capped LED Linear Lamps Part 2 Performance Specification
IS 16614 (Part 1) : 2018	Double-Capped LED Linear Lamps Part1 Safety Specification
for Standards Pertaining to Electrical Installations, please refer Section 2— Part A3	

Standards under Development

Broad Category
NA

Areas Identified for Standardization in Future

Proposed Subject
NA



Other than Product Standards

Standards Published

Broad Category	
NA	NA

Standards under Development

Broad Category
NA

Areas Identified for Standardization in Future

Proposed Subject
NA



Notes





Notes



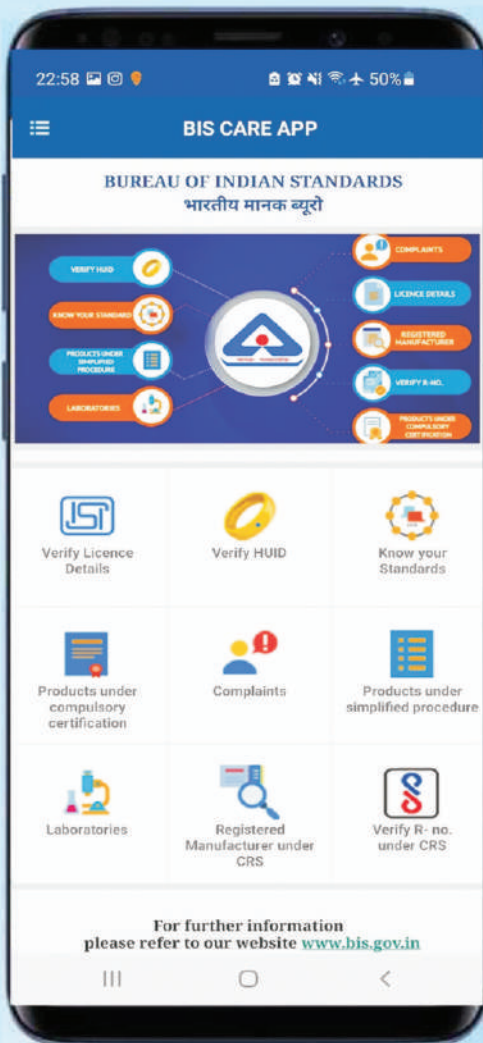


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