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World Standards Day

"Fourth Industrial Revolution"

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BUREAU OF INDIAN STANDARDS

स्टैंडर्ड्स इंडिया
Standards India

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FROM THE DESK OF THE DIRECTOR GENERAL

Each year on 14 October, the members of ISO, IEC, ITU celebrate World Standards Day. It is a method of paying tribute to thousands of experts worldwide who develop International Standards. This special issue of Standards India commemorates World Standards Day. The theme for the World Standards Day is aptly chosen as the "Fourth Industrial Revolution".

This revolution is expected to influence all industries, economies and disciplines. Our workplaces and homes are becoming smarter, more efficient and more productive as machines and humans start to work together, and we use connected devices to control and monitor operations conveniently. The technologies of the "Fourth Industrial Revolution" such as Artificial Intelligence and Internet of Things might help us prepare better for natural disasters, reduce damage to the environment and reduce wastages. This issue highlights the significance of standards in this revolution, which seek to guide organizations towards ensuring safety and minimizing risk across sectors. We hope this issue gives you deeper insights into this important topic. We welcome your feedback at dg@bis.gov.in.

Smt.Surina Rajan
Director General, BIS

हर साल 14 अक्टूबर को आईएसओ, आईईसी, आईटीयू के सदस्य विश्व मानक दिवस मनाते हैं। यह दुनिया भर के उन हजारों विशेषज्ञों को सम्मान देने की एक विधि है जो अंतर्राष्ट्रीय मानक विकसित करते हैं। स्टैंडर्ड्स इंडिया का यह विशेष अंक विश्व मानक दिवस को स्मरण कर रहा है। "चौथी औद्योगिक क्रांति" को विश्व मानक दिवस के प्रसंग के रूप में चुना गया है।

इस क्रांति से सभी उद्योगों, अर्थव्यवस्थाओं और विषयों को प्रभावित करने की उम्मीद है। हमारे कार्यस्थल और घर अधिक कुशल, स्मार्ट और अधिक उत्पादक होते जा रहे हैं क्योंकि मशीन और मनुष्य ने एक साथ काम करना शुरू कर दिया है, और हम जुड़े उपकरणों का उपयोग नियंत्रण और निगरानी के लिए कर सकते हैं। "चौथी औद्योगिक क्रांति" जैसे कि आर्टिफिशियल इंटेलिजेंस और इंटरनेट ऑफ थिंग्स की तकनीकें हमें प्राकृतिक आपदाओं के लिए बेहतर तैयार करने, पर्यावरण को नुकसान कम करने और अपव्यय को कम करने में मदद कर सकती हैं। यह अंक इस क्रांति में मानकों के महत्व पर प्रकाश डालता है, जो संगठनों को सुरक्षा सुनिश्चित करने और क्षेत्रों में जोखिम को कम करने की दिशा में मार्गदर्शन करते हैं। हमें उम्मीद है कि यह अंक आपको इस महत्वपूर्ण विषय में गहरी जानकारी देगा। हम dg@bis.gov.in. पर आपकी प्रतिक्रिया का स्वागत करते हैं।

श्रीमती सुरीना राजन
महानिदेशक, बी आई एस

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MEETING THE MARKET NEEDS

CONTRIBUTING TO A BETTER WORLD ON WORLD TOURISM DAY

Last year, 1.2 billion travellers went travelling, according to the World Tourism Organization, and this number is expected to rise to 1.8 billion by 2030. While this places pressure on our planet, international tourism also brings significant economic benefits to local communities.

World Tourism Day is held annually on September 27 to raise awareness about the contribution that tourism can make to development. This year's theme, "Tourism and the Digital Transformation," highlights the importance of digital technologies in the tourism industry and how they can contribute to sustainable development.

This year's theme for World Tourism Day, "Tourism and the Digital Transformation", highlights the importance of digital technology in the tourism industry and how they can contribute to sustainable development

ISO's portfolio includes standards by the ISO technical committee ISO/TC 228, Tourism and related services. One example is the technical specification ISO/TS 13811, Tourism and related services – Guidelines on developing environmental specifications for accommodation establishments, which helps organizations reduce the negative impacts of tourism accommodation on the natural environment.

The committee is currently working on other standards that contribute directly to sustainable development within tourism. These include: ISO 21401, Tourism and related services – Sustainability management system for accommodation establishments – Requirements; ISO 20611, Adventure tourism – Good practices for sustainability – Requirements and recommendations and ISO 21416, Recreational diving services – Requirements and guidance on sustainable practices in recreational underwater diving.

MARITIME DAY

ALL ABOARD FOR WORLD MARITIME DAY

Did you know that, in one year, an average container ship travels the equivalent of 75% of the way to the moon and back? And that there are around 55,000 cargo ships floating around our seas, not to mention the many cruise ships to carry the 27 million holidaymakers expected to go on a cruising holiday this year.

The industry has grown exponentially over the last few decades, bringing with it issues related to safety, environment, security, climate change, energy, trade and more.

As we celebrate World Maritime Day (September 26), we recognize the regulations and guidance by the International Maritime Organization (IMO).

The theme of this year's World Maritime Day is "IMO 70: Our Heritage – Better Shipping for a Better Future". IMO regulations are created with ISO/TC 8's valuable input, and ISO/TC 8 standards serve as key tools to help meet these regulations.

The maritime industry has grown exponentially over the last few decades, bringing with it issues related to safety, environment, security, climate change, energy, trade and more

ISO/TC 8 is one of ISO's oldest technical committees, covering many aspects of shipping including safety, intelligent navigation and environmental protection. It serves the needs of the industry and maritime legislation, while promoting sustainable development and continuous improvement.

HOW STANDARDS HELP

MAKING OUR WORLD ACCESSIBLE WITH ISO STANDARDS

From signages in the streets to the construction of buildings, ISO standards help manufacturers, service providers, designers and policymakers create products and services that meet the accessibility needs of every person. These include standards for assistive technology, mobility devices, inclusivity for aged persons and much more. In fact, the subject is so vast, we even have guidelines for standards developers to ensure they take accessibility issues into account when writing new standards.

Developed by ISO in collaboration with the International Electrotechnical Commission (IEC) and the International Telecommunication Union (ITU), ISO/IEC Guide 71, Guide for addressing accessibility in standards, aims to help standards makers consider accessibility issues when developing or revising standards, especially if they have not been addressed before.

The International Day of Persons with Disabilities is dedicated to building the peaceful and prosperous world outlined in the 2030 Agenda and its corresponding 17 SDGs

The International Day of Persons with Disabilities is dedicated to building the peaceful and prosperous world outlined in the 2030 Agenda and its corresponding 17 Sustainable Development Goals (SDGs) – much like the hundreds of ISO standards. Examples include ISO 17049 on the use of braille in accessible design, ISO 23599 on assistive products for blind and vision-impaired persons and the upcoming ISO 21902 on accessible tourism, which all contribute directly to SDG 3: Good health and well-being.

In addition, standards such as ISO 37101, Sustainable development in communities – Management system for sustainable development – Requirements with guidance for use, are invaluable for achieving SDG 11 (Sustainable cities and communities), which helps to make cities inclusive, safe and resilient.

MANAGEMENT SYSTEM STANDARDS

GUIDANCE ON INTEGRATED MANAGEMENT SYSTEM STANDARDS JUST UPDATED

From improving quality to energy efficiency, environmental performance or even road traffic, the use of management systems has grown rapidly in recent years, reflecting increasingly complex operating environments and contexts. The quest for continual improvement and sustained performance has prompted the need for a handbook to help guide organizations through an effective management system design that is agile and integrated, to respond and grow.

ISO 9001 (quality), ISO 50001 (energy) and ISO 14001 (environment) are some of ISO's most well-known and used management system standards (MSS), amongst more than 60 that make up the ISO portfolio, which also covers areas such as organizational health and safety (ISO 45001), food safety (ISO 22000), education (ISO 21001) and information technology (ISO 27001). Unlike other types of standards, MSSs have an impact on many different aspects of an organization.

First published in 2008, The Integrated Use of Management System Standards brings together international expertise, diverse industry case extracts and implementations, and best-practice guidance on integrating management system standards. It has just been updated to reflect the vast number of changes to both ISO and non-ISO standards.

Many organizations benefit from multiple management systems to help them ensure their systems and processes are in line with their objectives and help them maintain their business model through ever-changing environments.

IMPROVING FARM SAFETY

STANDARDS FOR AGRICULTURAL MACHINERY JUST UPDATED

Tractors and self-propelled ride-on machines used in agriculture and forestry have evolved over the years since Old MacDonald's days and now feature as many electronic parts and systems as your modern car. A number of these are designed to reduce risks by preventing unintended movements and recognizing errors and other possible hazards, because ensuring the vehicles function correctly is as important as the functions.

ISO 25119 helps ensure that safety-related parts perform as intended, and covers system structure, fault detection, reliability of components, operating stress, and more

The series of standards ISO 25119, Tractors and machinery for agriculture and forestry – Safety-related parts of control systems, is widely used by the agricultural industry and its suppliers and has recently been updated. It sets out the general principles for the design and development of safety-related parts of control systems on tractors and self-propelled ride-on machines used in agriculture and forestry. It can even be applied to mobile equipment used in municipalities such as street-sweeping machines.

ISO 25119 helps designers and manufacturers ensure that safety-related parts perform as intended, and covers the system structure, fault detection mechanisms, reliability of components, operating stress, environmental conditions and more.

Changes were made to incorporate suggestions from end users, certification bodies and experts involved in standardization to make it more user-friendly, understandable and useful.

SANITATION TECHNOLOGY

ISO STANDARDS HELP DEVELOP NEW TOILET TECHNOLOGY THAT WILL SAVE MILLIONS OF LIVES

"International Standards are key to the progression of new sanitation technology and developing an industry that saves lives," said ISO Secretary-General Sergio Mujica at the Reinvented Toilet Expo held today in Beijing, China.

The panel, which is part of the three-day Reinvented Toilet Expo summit, discussed commitments to non-sewered sanitation and actions required to develop the industry, including standardization. Reinvented toilet technology is all about stand-alone sanitation systems that safely treat waste without the need to be connected to a traditional sewerage system. It is designed to revolutionize the lives of billions of people who lack sufficient clean sanitation systems, saving lives and improving well-being.

The three-day Reinvented Toilet Expo summit discussed commitments to non-sewered sanitation and actions required to develop the industry, including standardization

This technology can be supported and developed with the launch of the world's first dedicated International Standard. ISO 30500, Non-sewered sanitation systems – Prefabricated integrated treatment units – General safety and performance requirements for design and testing, provides safety and performance requirements that will not only enable their effective manufacture, but also the development of the sector as a whole.

TRACKING IT BACK

A NEW STANDARD TO SUPPORT RESPONSIBLE USE OF WOOD JUST PUBLISHED

With many players in the wood supply chain, and many different types of wood, tracing its origins to legal sources is complex. A robust method of traceability, therefore, will help businesses favour timber that comes from legal sources, thus enabling the industry to grow. ISO 38200, Chain of custody of wood and wood-based products, specifies the requirements for a chain of custody of wood and wood-based products that allows users to trace the origins of wood and wood products every step along the supply chain.

This new International Standard lets users determine if the material is "verified", for which evidence of compliance with the requirements of a due diligence system can be provided; "specified", where it meets specific publicly available documented requirements set by organizations; "certified", when it satisfies the requirements of a particular certification scheme; or "recycled", if it has been recovered or diverted from waste stream.

Dr. Jorge E.R. Cajazeira, Chair of the ISO technical committee, said ISO 38200 provides a common framework, allowing players in the wood supply chain to "speak the same language."

"It will help purchasers track timber from different sources, thus helping to avoid timber from illegal sources from entering the supply chain."

PARTNERSHIPS IN PLACE

AOAC AND ISO ANNOUNCE COOPERATION AGREEMENT

ISO's partnerships with other relevant organizations are extremely important, as we believe that the best way to meet market needs and provide global solutions is by bringing together the world's best experts. ISO is collaborating further with AOAC via this agreement to produce effective International Standards.

Under the new agreement, signed on October 18, 2018, during the American National Standards Institute's (ANSI – ISO's member for the USA) World Standards Week in Washington, DC, AOAC and ISO can participate in each other's work, whereby experts from each organization can serve on the other organization's working groups. The partnership allows for joint development and approval of standards, which involves establishing working groups comprising AOAC and ISO experts to develop draft common standards.

As per the new agreement, signed on October 18, 2018, DC, AOAC and ISO can participate in each other's work, and experts from each organization can serve on the other's working groups

The AOAC/ISO partnership is entering its sixth year. The original cooperation agreement, signed on 18 June 2012, focused on milk and milk products and resulted in 12 joint AOAC/ISO methods adopted by the Codex Alimentarius Commission as International Standards (vitamin B12, myo-inositol, chromium/molybdenum/selenium, nucleotides, vitamins A and E, fatty acid profile, iodine, pantothenic acid, vitamin C, biotin, chloride, vitamin). These methods help ensure that the nutrient content of infant formula conforms to its declarations.

The new five-year agreement extends the purview from milk and milk products to include projects in the scope of ISO technical committee ISO/TC 34, Food products. Leveraging the success of the original cooperation agreement with ISO, the committee is working together to harmonize optimal global standards for a new range of food products.

Future priorities for AOAC/ISO standards development are to be determined and may include more work on nutrient analysis, as well as expanding to contaminants, adulterants and pesticide residues.

News credits: ISO, NSF and QAI

BIS—THE GLORIOUS PAST

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1 Shri T.T. Krishnamachari, the then Minister for Commerce and Industry, Government of India, presides over the Meeting of the General Council of the Indian Statistical Institute (ISI), New Delhi, on March 31, 1955

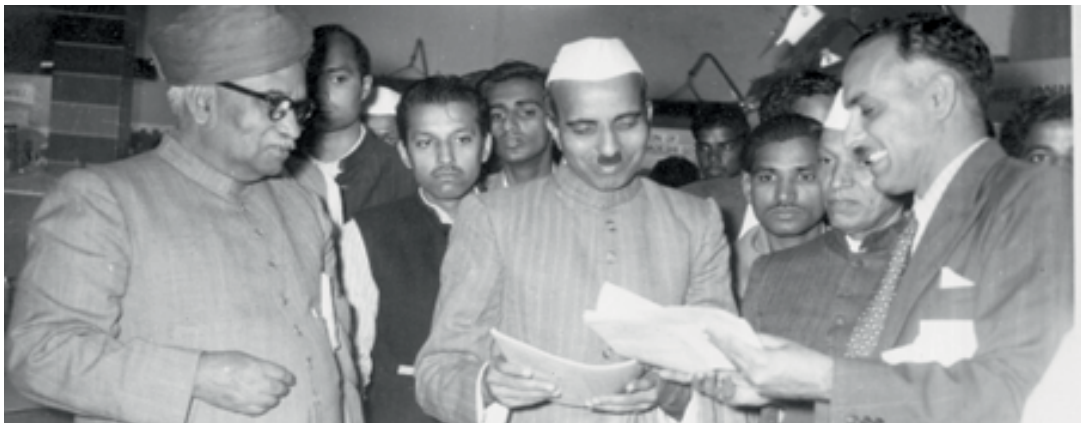
2 Shri T.T. Krishnamachari, Babu Jag Jiwan Ram, Dr. K.S. Krishnan, Vice President ISI, and Shri K.C. Neogy at the 10th Annual General Council Meeting

3 A meeting of the Edible Starches, Confectionery And Cereal Products Sectional Committee (CDC -21)

4 General P. Salmon, the then High Commissioner for Standardization, France, addresses ISI officers

5 Members of the Internal Combustion Engine Sectional Committee

6 A cable drum of ASCR conductors of Aluminium Industries Ltd, Kundra, with the ISI certification mark



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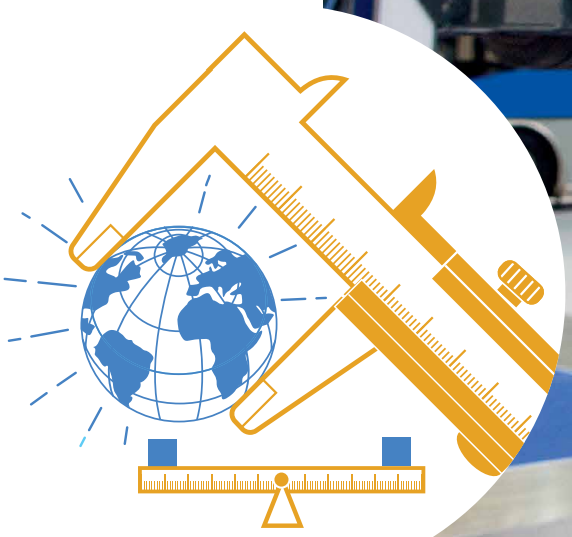
7 The ISI panel stall won 'Best Stall' Award at the Indian Industries Fair. The King of Saudi Arabia also visited the stall at IIF, New Delhi

8 GC & EC meeting reception to Shri T.T. Krishnamachari, Minister of Industries & Commerce, at Sir Shri Ram's Bungalow. Dr. Lal C. Verman with Sir Shri Ram

9 Dr. Lal C. Verman, Director ISI, present at the first meeting of the Engineering Division Council (EDC)

10 Reception to the members of the International Low Cost Housing Exhibition in New Delhi. Prime Minister Pt. Jawahar Lal Nehru visited the ISI stall at the exhibition

WORLD STANDARDS DAY 2018: 'INTERNATIONAL STANDARDS AND THE FOURTH INDUSTRIAL REVOLUTION'



Let us understand the significance of Standards for the consumers in their day to day life in the backdrop of World Standards Day-2018 and also throw light on the need to have unified and harmonized standards in order to leverage the power of ICT Technology across the world

BY SH JITENDER KUMAR, DR. BHAWANA AND SH ASHISH TIWARI

STANDARDS are the basic building blocks that enable nations to compete and expand their economies in the global market. Standards formulation started with obvious things like weights and measures, and now, over the last 50 years, its need has been realized in almost all the spheres of life. Now we have standards for everything, be it the shoes we stand in or the Wi-Fi networks that connect us invisibly to each other. Standards assure consumers about the safety, reliability and quality of the products they use. With the advancement in technologies and global industrialization, the need to have unified and harmonized standards in order to leverage the power of ICT technology has been realized worldwide.

The Fourth Industrial Revolution refers to the emerging technologies, which are blurring the traditional boundaries between the physical, digital and biological worlds. This increased connectivity of people and things is impacting the way we produce, trade and communicate.

The Fourth Industrial Revolution is enabled by a networked and data-driven economy and powered by smart devices, technologies and processes that are seamlessly interconnected. The vision of the Fourth Industrial Revolution is to manufacture cyber-physical systems that provide digital representation, intelligent services and interoperable interfaces in order to

support flexible and networked production environments. Smart embedded devices will begin to work together seamlessly, for example via the IoT, and centralized factory control systems will give way to decentralized intelligence, as machine-to-machine communication hits the shop floor.

The Industry 4.0 vision is not limited to automation of a single production facility. It incorporates integration across core functions, from production, material sourcing, supply chain and warehousing all the way to sale of the final product. This high level of integration and visibility across business processes, connected with new technologies will enable greater operational efficiency, responsive manufacturing, and improved product design.

While smart devices can in many ways optimize manufacturing, they conversely make manufacturing far more complex. The level of complexity this creates is immense, because it not only concerns

ITU – WORLD STANDARDS DAY 2018 SHINES SPOTLIGHT ON THE FOURTH INDUSTRIAL REVOLUTION

Breakthroughs in science and technology are spurring an unprecedented structural transformation of the global economy that has become known as the 'Fourth Industrial Revolution'.

Information and communication technologies (ICTs) are a key part of this revolution, connecting the physical, virtual and biological spheres to dramatically change the way we work and live. Just as was the case in the First, Second and Third revolutions, inclusive standardization processes will play a key role in ensuring that the benefits of the Fourth Industrial Revolution are realized on a global scale.

The celebration of World Standards Day 2018 highlights the collaboration necessary for a globally inclusive Fourth Industrial Revolution.

World Standards Day is celebrated each year on October 14 to pay tribute to the thousands of experts worldwide that collaborate within IEC, ISO and ITU to develop the voluntary international standards that provide common platforms for growth and innovation.

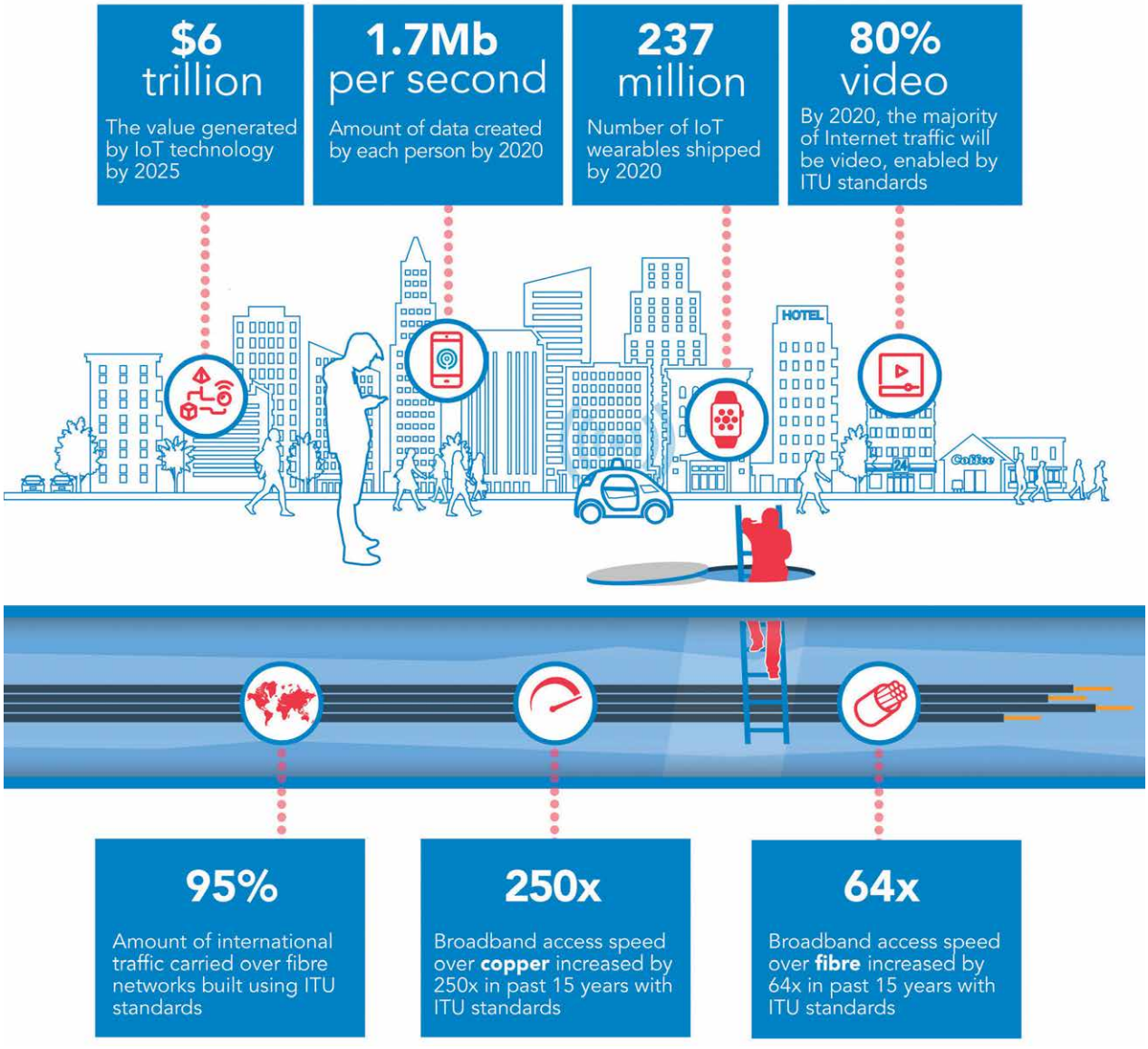
HOW ITU CONTRIBUTES TO THE REVOLUTION

ITU is coordinating the international standardization of IMT-2020 (5G) systems, supporting the emergence of a 5G environment where all end-users will enjoy highly reliable communications and where trusted ICTs will be core to innovation in every industry sector.

ITU develops international standards for the IoT and Smart Sustainable Cities, and offers a neutral platform to debate policies capable of stimulating the transition to smart, sustainable urban environments.

The AI for Good Global Summit is the leading United Nations platform for dialogue on AI. The 2018 summit gave rise to 35 new AI projects to advance sustainable development. It was also influential in calling for a new Focus Group on AI for Health, a group supported by strong collaboration between ITU and WHO.

ITU standards for Intelligent Transport Systems are assisting connected vehicles and automated driving in improving road safety and personal mobility, and decrease congestion and emissions. *(etradeforall.org)*



*The numbers given in the figure are projected values

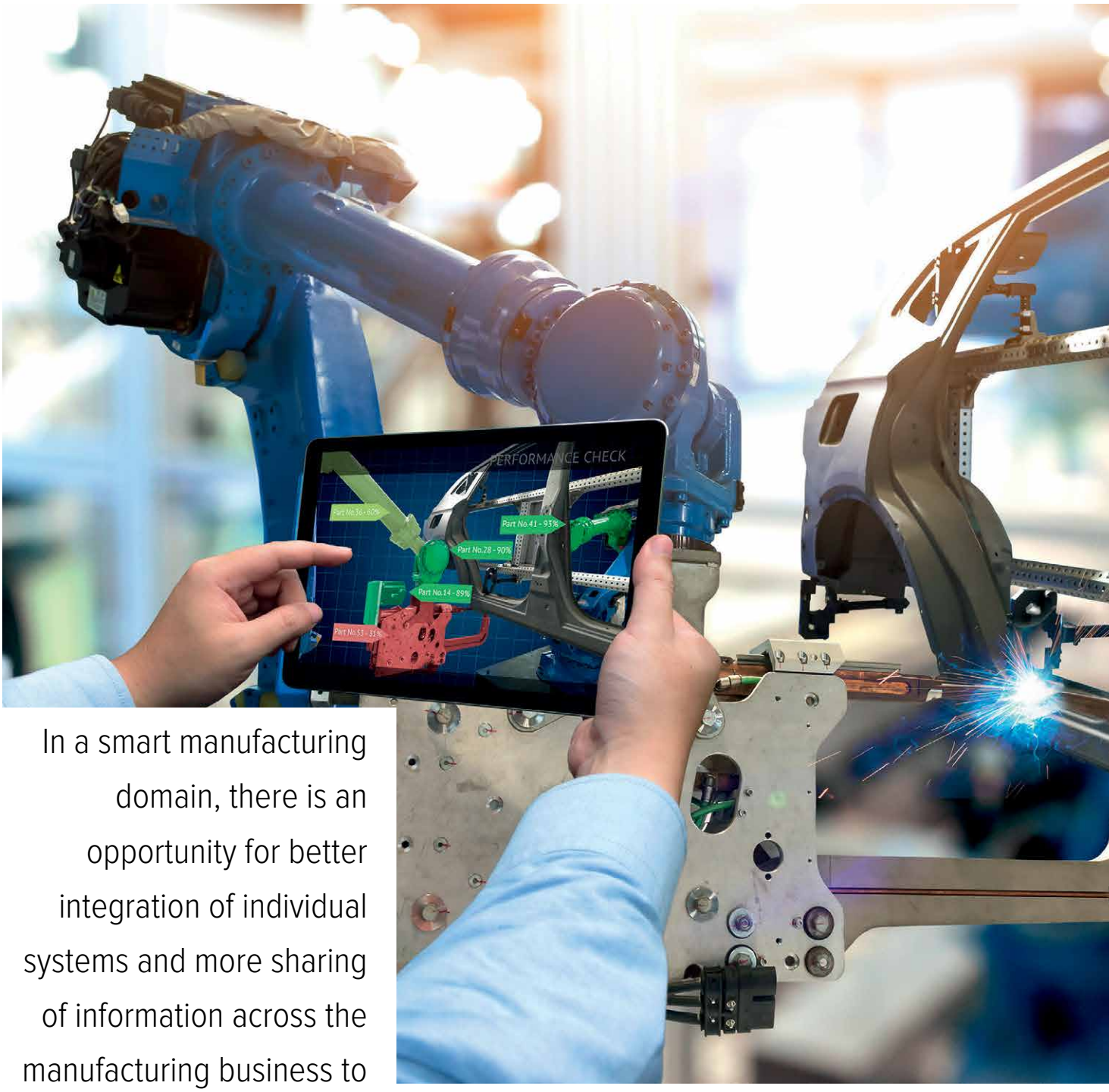
manufacturing environment, including various other smart devices, machines and IT systems, which are interacting across organizational boundaries.

There are many technologies that will act as enablers for moving forward on the path of the Fourth Industrial Revolution. These technologies include Artificial Intelligence (AI), Big Data, Cloud Computing, RFID, Internet of Things, 3-D Printing, etc.

ITU develops international standards for IoT and Smart Sustainable Cities, and offers a neutral platform to debate policies capable of stimulating the transition to smart, sustainable urban environments

Industry 4.0 and its underlying technologies will not only automate and optimize the existing business processes of companies; it will also open new opportunities and transform the way companies interact with customers, suppliers, employees and governments.

On the global front, many of the developed and developing nations are taking



In a smart manufacturing domain, there is an opportunity for better integration of individual systems and more sharing of information across the manufacturing business to facilitate performance

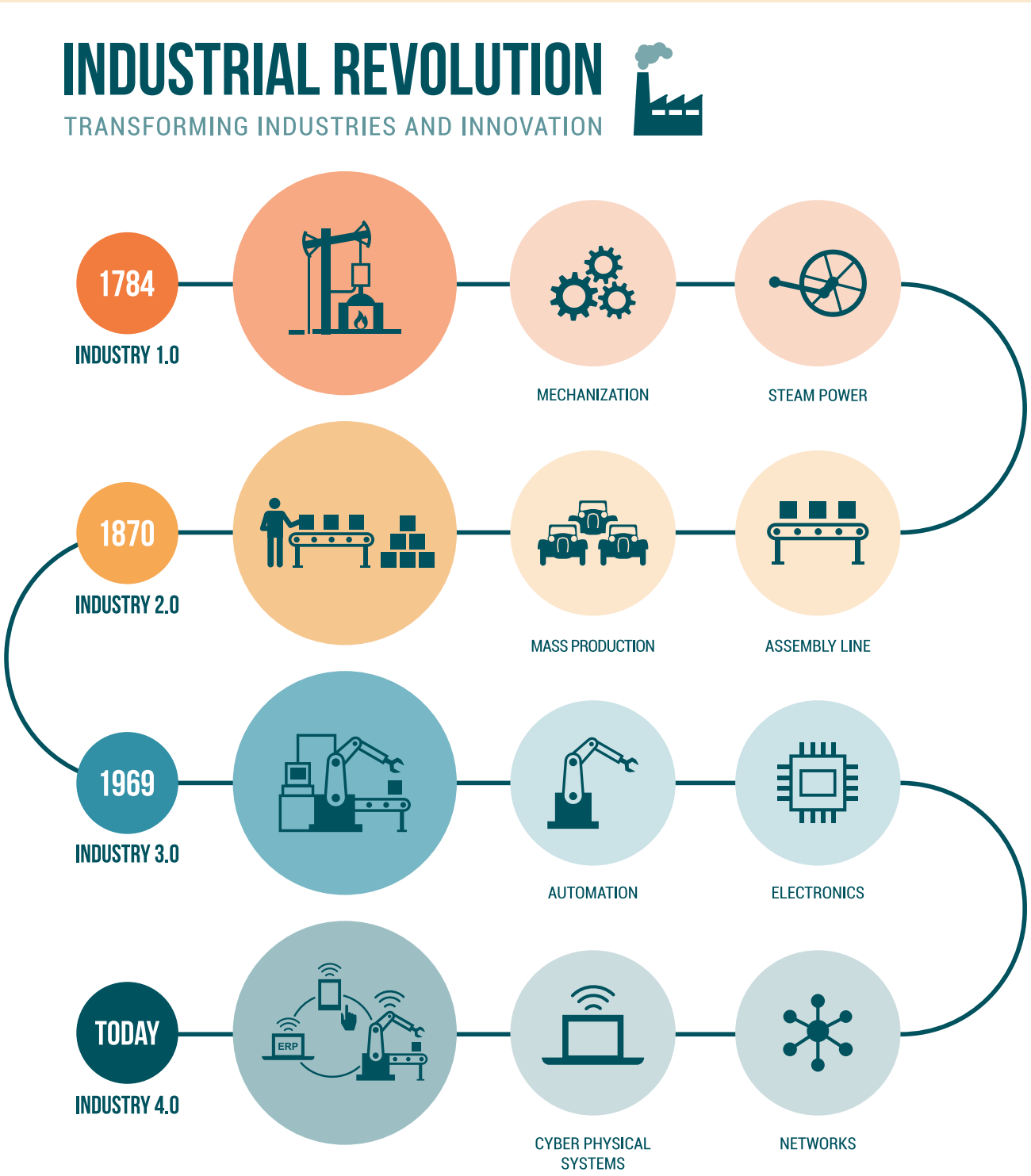
initiatives to move ahead of this industrial revolution. Some of the major initiatives taken in this direction are Germany's Industry 4.0 driven by a networked economy and powered by smart devices, technologies and processes that are seamlessly connected; the US' Smart Manufacturing Leadership Coalition (SMLC) or the Industrial Internet Consortium (IIC) for promoting the concept of smart manufacturing; Japan's e-Factory concept to achieve an advanced use of industrial internet with the aim of effecting an optimization of productivity and energy conservation; China's Intelligent Manufacturing initiative to drive all manufacturing business execution by merging ICT, automation technology and manufacturing technology, and many more.

On the national front, the Government of India has taken an initiative named Samarth Udyog Bharat 4.0 (Smart Advanced Manufacturing and Rapid Transformation Hub) with the vision to facilitate and create an eco system that encourages the usage of Industry 4.0-verified technologies in every Indian manufacturing unit by 2025, be it an MNC, large-, medium- or small-scale Indian company.

The Indian Institute of Technology (IIT) Delhi and the

Automation Industry Association (AIA) signed an MOU for setting up a National Common Engineering Facility Center (CEFC) for Smart Technology Enabled Manufacturing.

In a smart manufacturing domain, there is an opportunity for better integration of individual systems and more sharing of information across the manufacturing business to facilitate performance and reduce the integration costs experienced by manufacturers when purchasing multiple equipment and systems from independent



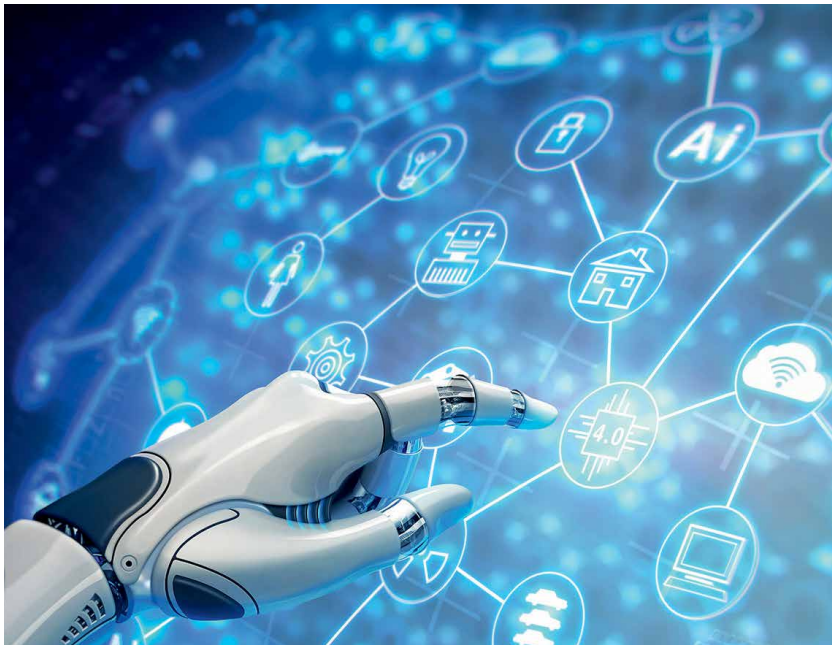
vendors. This may foster the development of new manufacturing processes and services in turn. Several national committees have come forward with different roadmaps to develop standards supporting smart manufacturing.

There are numerous Standards Development Organizations that are working in the direction to develop standards that will be conducive for the Fourth Industrial Revolution. For instance, ISO's Smart Manufacturing Coordinating Committee (SMCC) has initiated a task force to develop a strategy for coordination and dissemination of use cases within the smart manufacturing community. IEC has also created a standardization evaluation group, SEG 7 on Smart Manufacturing, in order to establish an initial roadmap of smart manufacturing standardization.

Many other notable efforts are being done by various SDOs for the widespread implementation of smart manufacturing.

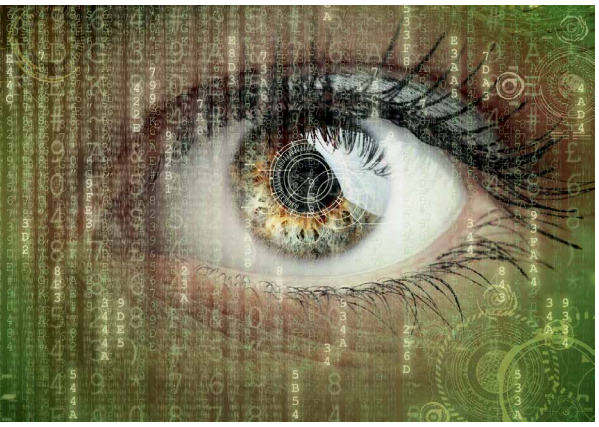
Currently, the scenario of manufacturing industries in India needs to be revamped and it is important for Indian companies to find the right partner in order to have successful implementation of industrial processes.

In the 18th century, the transition from manual work to machinery and factory work raised the need for standards. Standards will once more play a key role in the transition to a new era



Although some of the industries in India have progressed technologically, there are still some sectors that need digital reforms. Automotive industry in India is highly automated, connected, and integrated. This industry is already on the path for smart manufacturing in some form or the other. Pharmaceutical companies also have already begun switching to new technologies. Other industries such as textile industry, plastics processing and converting industry, metal industry and printing industry still have a long way to go to enable smart manufacturing. Such industries lack awareness about IT, operate on older machinery and have weak infrastructural facilities. There is still a huge scope of bringing automation in these sectors.

Therefore, as far as several industries in India is concerned, we still have a long way to go in the field of smart manufacturing, hence, further enhancing the need for standardization.



The implementation of smart manufacturing in India will have to face many issues and challenges. These challenges may include workforce re-skilling, level of investment needed vs the ROI, awareness of availability of new technologies in India, legacy machines that lack sensors, elevated risk of security attacks, maintenance, agile governance and so on.

In the 18th century, the transition from manual work to machinery and factory work raised the need for standards. Standards will once more play a key role in the transition to a new era. The speed of change we are witnessing would not be possible without them. Innovators rely on International Standards, like those produced by IEC, ISO and ITU, to ensure compatibility and interoperability, so that new technologies can be seamlessly adopted. BIS is also actively involved in standardization activities at the international level so as to ensure that our national requirements are met in the international standards.

BIS has also initiated standardization activities in this area through various technical committees. A number of new committees are created for Artificial Intelligence, IoT, Blockchain, Smart Cities and Smart Manufacturing. The Smart Manufacturing Working Group is presently preparing a roadmap for standardization in the area of smart manufacturing.

– Shri Jitender Kumar is Scientist-D, Dr. Bhawana is Scientist-C and Shri Ashish Tiwari is Scientist-C in BIS

WORLD STANDARDS DAY: STANDARDS OF KEY SECTORS

ON WORLD STANDARDS DAY 2018 LET US TAKE A LOOK AT SOME STANDARDS OF RELEVANCE TODAY

BY PALLAVI SINGH

SINCE 1970, members of the International Electrotechnical Commission (IEC), International Organization for Standardization (ISO) and International Telecommunications Union (ITU), have celebrated World Standards Day. This year, World Standards Day will be held on October 14. The theme for 2018 is "International Standards and the Fourth Industrial Revolution."

Characterized by a fusion of technologies that blur the lines between the physical, digital and biological spheres, the Fourth Industrial Revolution will enable workers on the front line, on the road and in the field to make smarter decisions, solve tougher problems and do their jobs better. Advances in software and technology will empower people to a far greater degree than ever before —unlocking their latent perceptiveness and creativity.

However, the rapid pace of change brings many challenges. A new generation of smart technologies, characterized by the use of big data, increased integration, cloud storage and open communication, increases the vulnerability of data and the risk of security breaches. International standards will guide organizations toward ensuring safety and minimizing risk.

ISO 20000 - IT CERTIFICATION

The ISO 20000 standard focuses on the integration and implementation of coordinated service management processes. Its aim is to provide ongoing control, greater efficiency and opportunities for continuing improvement. That means working within your organization to align the staff and procedures of your service desk, service support, service delivery and operations

team. The standard aimed at achieving quality assurance in IT service quality consists of two main parts.

ISO 20000-1
A formal specification that defines the requirements for an organization to deliver managed services of an acceptable quality for customers, against which your compliance can be assessed.

ISO 20000-2
A Code of Practice that describes the best practices for Service Management processes within the scope of ISO 20000-1. The Code of Practice is particularly useful for organizations preparing for an audit against ISO 20000-1 or planning service improvements.

ISO 20000
It is a global standard that describes the requirements for an ITSM system. Certification demonstrates the reliability and quality of your IT services to employees, stakeholders and customers.

ISO/IEC 27001:2013 STANDARD AUDIT AND CERTIFICATION
With ISO 27001:2013 certification you can demonstrate to existing and potential customers, suppliers and shareholders the integrity of your data and systems and your commitment to information security. It can also lead to new business opportunities with security-conscious customers; it can improve employee ethics and strengthen the notion of confidentiality throughout the workplace. It also allows you to enforce information security and reduce the possible risk of fraud, information loss and disclosure.

ISO 28000 STANDARD: SUPPLY CHAIN SECURITY CERTIFICATION

As global trade expands, so do the opportunities for criminal elements to infiltrate your supply chain. Reduce the risks with ISO 28000 certification.

Supply chain security management systems based on the ISO 28000 certification standard identify the risk levels across your supply chain operations. This information then enables your organization to carry out risk assessments and apply the necessary controls with supporting management tools (i.e. document controls, key performance indicators, internal audit and training).

– The writer is a research scholar at the Jawaharlal Nehru University, New Delhi

The Prediction of THE REVOLUTION

Robots, Artificial Intelligence and the Internet of Things. While omnipresent now, these were once nothing but predictions of science-fiction writers

BY TANMOY MOOKHERJEE

As debates on privacy and cyber security rage on, there's a fear that seems to be settling in regarding the way technology is taking over our lives. And with the advancement of Virtual Reality (VR), Augmented Reality (AR) and Internet of Things (IoT), it's just going to be more entrenched.

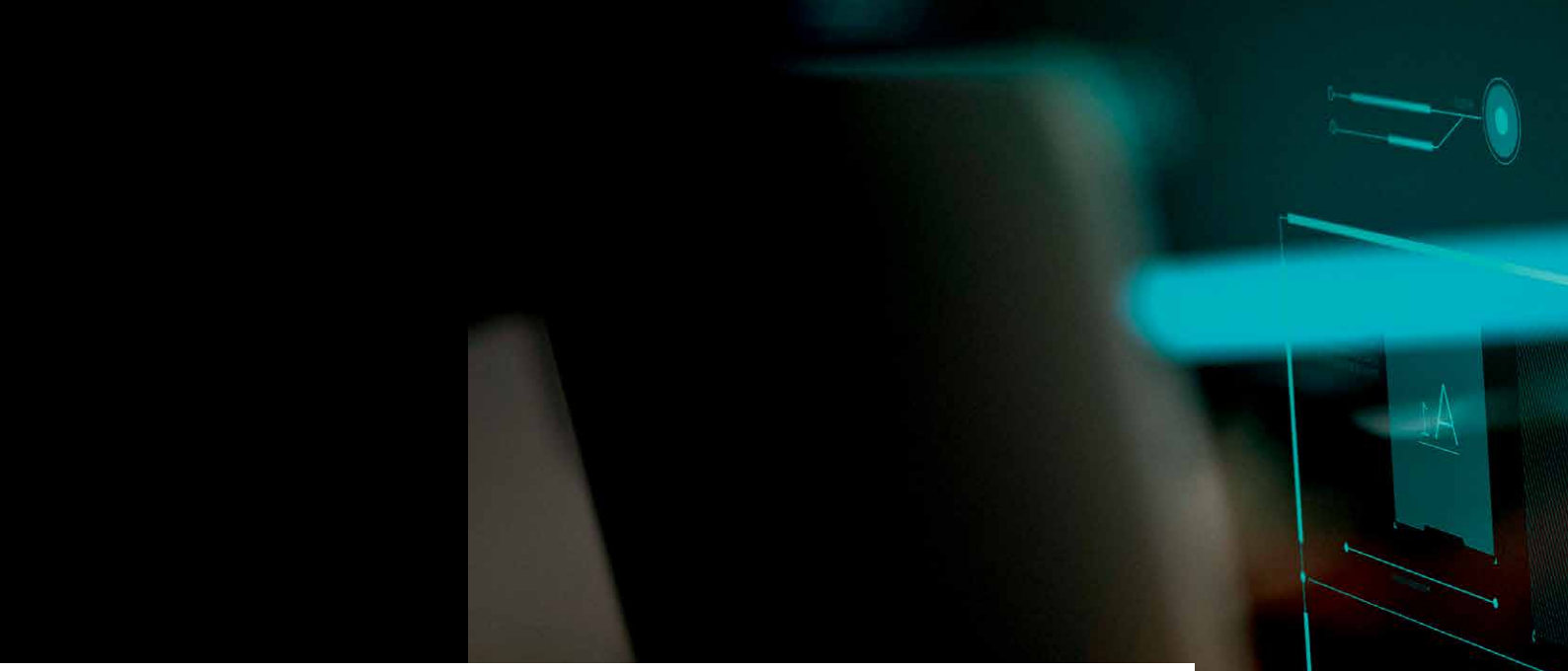
The wheel of life has turned another rotation with generous science-fiction references from the past or simpler times, as we like to call it. AR has made it possible to sit anywhere and watch a creation come alive: imagine being inside a home that you want built, or how that sofa will fit in the living room. Robots, on the other hand, have taken over the Mercedes-Benz factory at Rastatt in Germany, and are producing the entire assembly line of A-Class cars on their own.

Whether fiction borrows from real life or life imitates art—in this case sci-fi literature—is debatable, but writers' imaginations have always found a way into reality some years down the line. Jules Verne sent a man to the moon more than a hundred years before it actually happened, way back in 1865. The Netflix hit Black Mirror's grim take on life in the near future is way too mainstream in comparison to Verne's prophecy 153 years ago.

Science fiction has this unique ability to blow minds collectively, the barriers of age, gender, language or nationality notwithstanding. Take, for instance, Isaac Asimov's Foundation series, where the prolific Russia-born American writer looked at life in the 12th millennium. Going by the incredible hit rate of the sheer number of predictions that have already come true, one wouldn't be surprised if his theories check out in the far future as well.

He prophesied kitchens being filled with units that would prepare "automeals" like instant coffee, or his musing after visiting the IBM exhibit. While we discuss the inevitable arrival of robotics in 2018, Asimov noticed the absence of robots half a century ago, but could sense it by having a look at the computers, which could only translate one language into another back then. "If machines are that smart today, what may not be in the works 50 years hence? It will be such computers, much miniaturised, that will serve as the brains of robots," he wrote.

We have been surrounded by such



"miniaturised" computers for quite some time now, in the form of mobile phones and the recent onslaught of wearable devices. The Artificial Intelligence (AI) system that gives credence to these wearables takes it into the realm of robotics itself, but what he wrote next would make the hair on the back of your necks stand on end.

"In fact, the IBM building at the 2014 World's Fair may have, as one of its prime exhibits, a robot housemaid—large, clumsy, slow-moving but capable of general picking-up, arranging, cleaning and manipulation of various appliances. It will undoubtedly amuse the fairgoers to scatter debris over the floor in order to see the robot lumberingly remove it and classify it into 'throw away' and 'set aside.'" iRobot's Roomba and Braava are designed to do just that, with the company's name being another reference to an Asimov book.

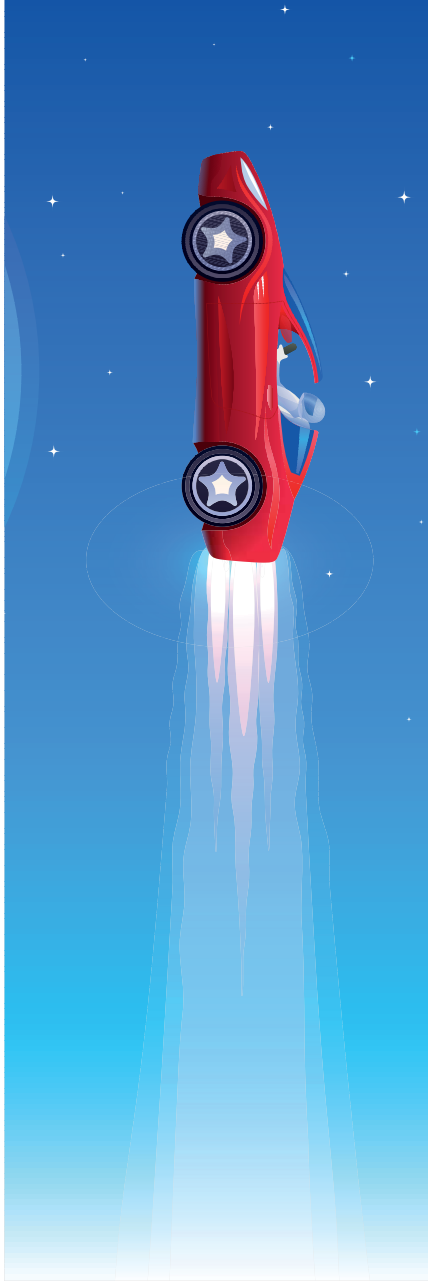
Asimov seems to have predicted a majority of modern developments in that report. From the bus lane in city highways to counter the rising global population to wireless charging and 3D television, and technology to detailing how a spaceship ought to have reached the surface of Mars by 2014, he is just one of the several writers who seem to have shaped the future that we are witnessing.

In Philip K. Dick's The Minority Report, which later spawned the Tom Cruise-starring movie, he details the advancement of touchscreen technology and heads-up displays, and even targeted advertising, which has become the norm on social media. Arthur C. Clarke wrote about video calling in Stanley Kubrick's 2001: A Space Odyssey, all the way back in 1968.

Plastic money was already in use 18 years ago, but the recent surge of Cryptocurrency is where modern finance is heading

In Edward Bellamy's 1888 utopia Looking Backward, the protagonist falls asleep in 1887 and wakes up in 2000 to find out that cards are used as money. Plastic money was already in use 18 years ago, but the recent surge of Cryptocurrency is where modern finance is heading.

It is not the actual currency but the mind-boggling tech behind it that stands out. While people around the world grapple with the thought of no part of their lives being "safe" in the age of cyber theft and security, blockchain—the marvel behind keeping all your data encrypted and, therefore, secure—works tirelessly behind the scenes. While essentially a decentralized form of recording every



As mobile wallets become the primary choice of transaction amongst city dwellers, the habits of the urban populations continue to evolve

digital transaction without the danger of being hacked into, technology companies are working towards creating customized blockchains for their customers.

Not only revolutionizing the way financial transactions take place in the future by stringing together data that cannot be tampered with, blockchain technology stands to benefit a number of other industries vital to human welfare, including healthcare and nanotechnology. By making the system more transparent, blockchain stands to weed out counterfeiting of drugs at the supply chain as the entire flow of transactions can be traced back to its origin, while also stopping billed and unperformed treatments altogether. Ever wondered about the astronomical charges one has to incur at a hospital without knowing about any of it?

The underlying technology behind blockchain has so far appeared to be completely contrary to the usual negative image most financial institutions have carried. And, while people closer home worry about their private information being leaked during a task as massive as linking all your private information to a central system, blockchains stand to empower the end-consumer as banks alone cannot deal with multiple transactions once Internet of Things becomes the norm.

While AI-infused bots continue to make inroads into becoming a member of the average household, the ever-expanding global population—coupled with the dangers of severely depleting oil reserves—has set the need for alternative fuel options to power transportation. Tesla set the benchmark by introducing a range of stylish electric vehicles, but there is still a long way to go in deciding whether electricity will power the automobile of the future. And as Uber tries to prepare a fleet of flying cars to sort out city traffic, Asimov pats himself on the back once again.

As mobile wallets become the primary choice of transaction amongst city dwellers, the habits of the urban populations continue to evolve, which is one of the biggest setbacks for traditional media and movie studios. The barrage of video-on-demand services like Netflix, Amazon Prime, Hotstar or Sony Liv, coupled with a slew of web content, has brought the love of television back, which could signal the end for cinema halls. It's given consumers the flexibility of choice and more options than they can absorb.

And, yet, in Asimov's concluding lines were the essence in the pursuit of technological advancement: "One thought that occurs to me is that men will continue to withdraw from nature in order to create an environment that will suit them better." While the world continues to come closer through the Internet, video calling, cellphones and the social network, we continue to build systems that keep us rooted to our respective homes, even as robots take over our jobs.

—The author is a well-established journalist in the fields of technology and sports

THROUGH THE LOOKING GLASS

What was once a far-off innovation is now a part of everyday life—here's the primer to understanding Virtual Reality

BY VAIBHAV SHARMA

Virtual Reality's (VR) come a long way in the past few years, and it's everywhere—from training pilots, to the console games. Here's a quick guide to what's happening in the world of VR, and of course, how you can get in on the action.

VR GAMING

Gaming's fun, isn't it? But what makes it even better, even more realistic is VR. Nothing can beat the immersion you get from wearing a headset, with 360-degree positional audio, and the freedom to move around in a room. Gaming PCs now work with VR headsets, the PlayStation has made VR more affordable than you'd have imagined, and Google's brought VR to your phone through Daydream. Welcome to the future.

VR ENTERTAINMENT

3D movies might not have taken off the way the studios would have wanted, but VR entertainment might do better. The immersion you get from wearing a headset is incomparable. That's why Netflix, Amazon Prime Video and Hulu have come up with VR apps—all you need is a new phone and a Daydream headset. But while VR entertainment's mostly of use in giving you a 'virtual cinema' effect, there's more on the way. Even then, there's enough reason to watch movies on a VR headset—you can be on a flight or in a room while your kids sleep and still watch a movie on what seems like an 80-inch screen.

VR IN MEDICINE

VR's got some life-changing uses as well. Take modern medicine, for example. From using VR worlds to help patients relax, to rehabilitation therapy, there's a lot happening. But the real promise lies in something that seems straight out of a science-fiction movie—training doctors using VR simulations of actual surgeries, to broadcasting VR recordings of surgery to medical students across the world (in

2016, Dr. Shafi Ahmed livestreamed a surgery in 360-degree video), and one day, even carrying out robot-assisted remote surgeries.

VR FOR THE DESIGNER

It might come as a surprise to you, but VR design tools are already quite popular. There's IrisVR, which lets architects and civil engineers create life-scale VR walkthroughs of their creations; Pair, a mobile VR and AR app that lets designers drag-and-drop furniture and appliances into spaces to see how a furnished room would look; and many more. Meanwhile, the automotive industry has its own tricks—General Motors, Ford, BMW and other carmakers are using VR for everything from cutting short the time they spend on prototyping, to making design tweaks and visualizing the interiors of their newest models.

VR FOR TRAINING

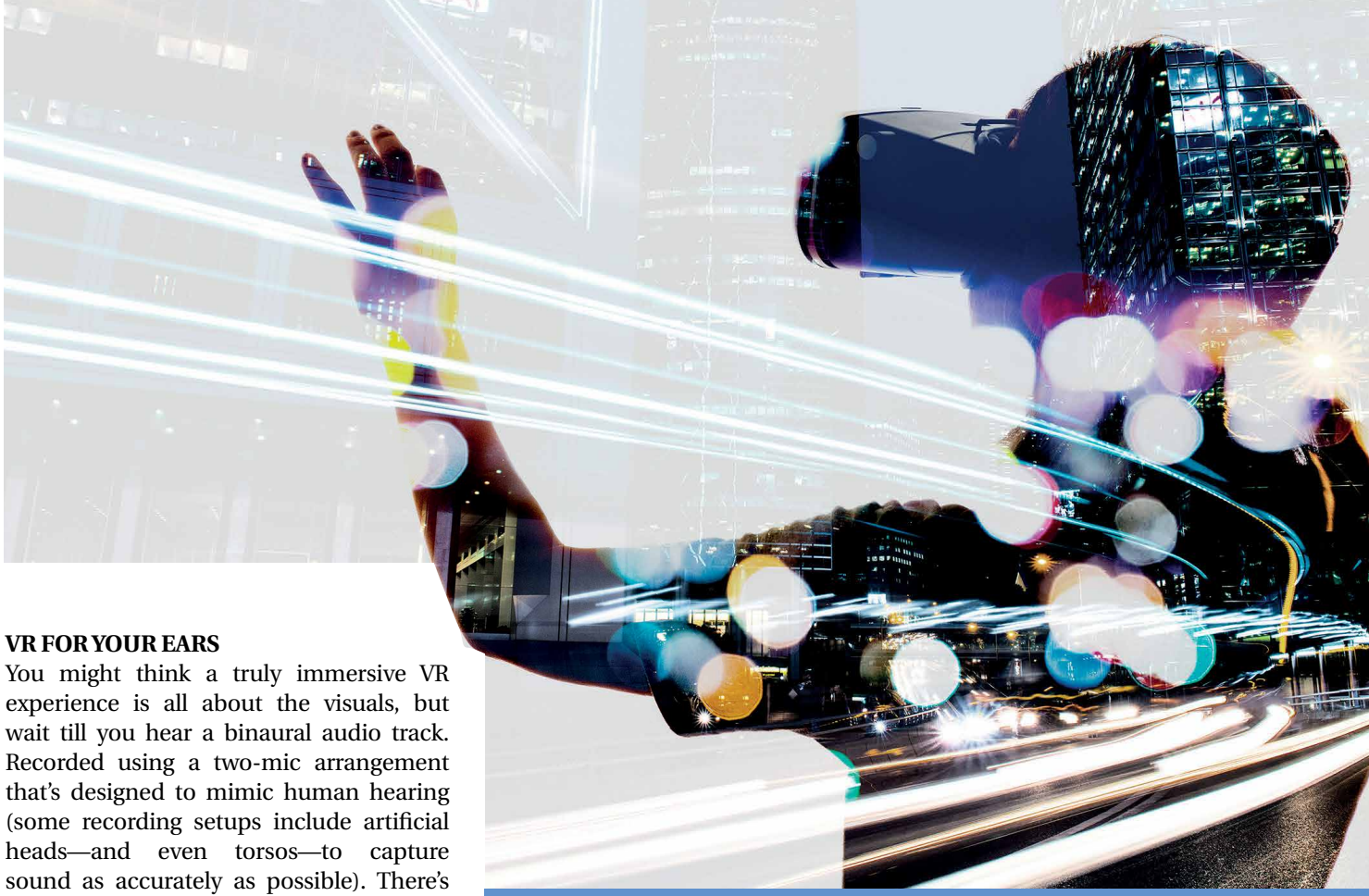
It's not just surgeons who can use VR as part of their training. In fact, just about everyone seems to be making use of VR's immersive environments. Pilots use flight simulators, which can be best described as VR on a truly massive and realistic scale, NASA gets astronauts ready for zero-G using VR, the LA County Sheriff's Department uses VR simulation to train rookie cops, and even Walmart prepares its employees for the travails of Black Friday using VR. And that's only a very, very short list of what's happening—teachers, factory workers, truck drivers, there's a VR training programme for just about everyone.

VR BEYOND THE HEADSET

You don't need a headset for a real VR experience. Take CAE's Series 5000 Full Flight Simulator, for example. It looks like a spaceship on legs, but step inside, and you'll find it impossible to tell you aren't inside an actual aircraft cockpit. Everything—the controls, displays, seats—is exactly the same, and a bunch of high-powered graphics cards powering a slew of projectors present an uncannily accurate display (weather, clouds and even traffic on the ground) that stays on point even if a trainee pilot moves around. The 6 legs under the cockpit create realistic movement, and there's a smoke generator for simulating emergencies. Meanwhile, the 'aircraft' you're flying could be matched to an actual airliner, and will display the handling characteristics of its real-life counterpart. Then there's the VirTra V300, a room-scale firearms simulator, which uses massive displays to create mission and training simulations for police and soldiers.

PLAYSTATION VR

Console games in VR? Your prayers have been answered. Sony's PlayStation VR headset might offer a lower resolution (1920x1080) than the Vive or Rift but it makes up for that with a 120Hz refresh rate and the fact that it's lighter—making it more comfortable for gaming marathons.



VR FOR YOUR EARS

You might think a truly immersive VR experience is all about the visuals, but wait till you hear a binaural audio track. Recorded using a two-mic arrangement that's designed to mimic human hearing (some recording setups include artificial heads—and even torsos—to capture sound as accurately as possible). There's also work going on to create algorithms that can process the recordings even more to make them stay accurate even when you're moving your head—as you might while playing a VR game. But what's the big deal? Well, binaural tracks beat every other 3D audio tech you'll see, and as they're recorded on a mic arrangement modelled on human hearing (two ears and all), you get incredibly lifelike positional audio from just a set of stereo headphones. No fancy surround sound gear needed!

Microsoft might be late to enter VR, but they have an ace up their sleeve—Mixed Reality, which melds VR and Augmented Reality

GETTING STARTED WITH VR

Made up your mind about hopping onto the VR wagon but not sure which platform to go with? This easy reckoner should help you decide:

OCULUS RIFT

The headset that can be credited with having kickstarted the VR revolution, the Rift uses twin OLED screens for a 2160x1200 resolution, 110-degree field of view, a 90Hz refresh and a 2ms persistence. The included touch controllers and tracking sensors make it ready for gaming out of the box. It also integrates 360-degree audio to make your gaming more immersive.

HTC VIVE

As with the Rift, the Vive offers a 2160x1200 effective resolution with a 90Hz refresh. But where the Vive really excels is its room-scale tracking, which gives you a 5x5m area to run around.

WINDOWS MIXED REALITY

Microsoft might be quite late to enter the VR arena, but they have an ace up their sleeve—Mixed Reality, which melds VR and Augmented Reality. Pick a headset (like Samsung's HMD Odyssey) from one of the original equipment manufacturers participating in the programme and plug it into your Windows 10 PC or laptop, and you're on your way to a VR experience.

GOOGLE DAYDREAM VIEW

Samsung might have gotten here sooner with its Gear VR, but Google's Daydream View headset is the future of VR on mobile. Even if you aren't into gaming, the Daydream View does a pretty nifty job at giving you a 'virtual cinema' effect when watching movies on Netflix.

—The author has been associated with titles like Outlook Traveller Getaways *and* Stuff India, *and is a technology enthusiast.*

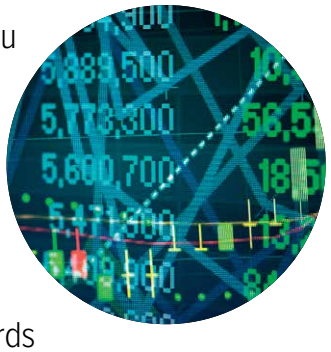
STANDARDS FIRST

THE LIST OF INDIAN STANDARDS PUBLISHED/REVISED

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2026 (Part 12) : 2018/IEC 60076-12 : 2008 Power Transformers Part 12 Loading Guide for Dry-Type Power Transformers	आई एस 2026 (भाग 12): 2018 / आई ई सी 60076- 12: 2008 पावर ट्रांसफॉर्मर भाग 12 ड्राई-टाइप पावर पावरर्स के लिए लोडिंग गाइड
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2026 (Part 14) : 2018/IEC 60076-14 : 2013 Power Transformers Part 14 Liquid- Immersed Power Transformers Using High – Temperature Insulation Materials	आई एस 2026 (भाग 14): 2018 / आई ई सी 60076- 14: 2013 पावर ट्रांसफॉर्मर भाग 14 तरल-उच्च तापमान इन्सुलेशन सामग्री का उपयोग करते हुए डूबे हुए पावर ट्रांसफॉर्मर
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2026 (Part 15) : 2018/IEC 60076-15: 2015 Power Transformers Part 15 Gas –filled Power Transformers	आई एस 2026 (भाग 15): 2018 / आई ई सी 60076- 15: 2015 पावर ट्रांसफॉर्मर भाग 15 गैस -फिल्ड पावर ट्रांसफॉर्मर
Date Of Establishment संशोधन की सख्या और तिथी	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2026 (Part 16) : 2018/IEC 60076-16 : 2011 Power Transformers Part 16 Transformers for Wind Turbine Applications	आई एस 2026 (भाग 16): 2018 / आई ई सी 60076- 16: 2011 पवन टरबाइन अनुप्रयोगों के लिए विद्युत ट्रांसफॉर्मर भाग 16 ट्रांसफॉर्मर
Date Of Establishment संशोधन की सख्या और तिथी	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title of the Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2026 (Part 18) : 2018/IEC 60076-18 : 2012 Power Transformers Part 18 Measurement of Frequency Response	आई एस 2026 (भाग 18): 2018 / आई ई सी 60076-18: 2012 पावर ट्रांसफॉर्मर भाग 18 की आवृत्ति प्रतिक्रिया का मापन
Date of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. & Year of the Amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title of the Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2026 (Part 21) : 2018/IEC 60076-21 : 2011/IEEE Std C57.15 : 2009 Power Transformers Part 21 Standard Requirements, Terminology and Test Code for Step – Voltage Regulators	आई एस 2026 (भाग 21): 2018 / आई ई सी 60076-21: 2011 / आई ई ई ई एसटीडी सी57.15: 2009 पावर ट्रांसफॉर्मर भाग 21 मानक आवश्यकताएँ, शब्दावली और चरण के लिए परीक्षण कोड – वोल्टेज नियामक
Date of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. & Year of the Amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date of Cancellation रद्द होने की तिथि	NA	लागू नही

NEWS YOU CAN USE

THE NUMBERS



In August 2018, the Bureau of Indian Standards saw 24 sectional committee meetings being held, 19 new standards being formulated and 15 standards being revised. Besides, 99 draft standards were issued for wide circulation and 47 draft standards were finalized. During the month, 136 standards were reviewed and 136 standards were reaffirmed. As on 25 August 2018, 19,706 standards were in force. BIS is a "P" member (Participating) in 441 technical committees of ISO and 91 technical committees of IEC. BIS is an "O" member (Observer) in 216 technical committees of ISO and 74 technical committees of IEC.

No.,Year & Title of the Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 3025 (Part 5) : 2018 Methods of Sampling and Test (Physical and Chemical) for water and waste water Part 5 Odour (Second Revision)	आई एस 3025 (भाग 5): 2018 पानी और अपशिष्ट जल के लिए नमूना और परीक्षण (भौतिक और रासायनिक) के तरीके भाग 5 गंध (दूसरा संशोधन)
Date of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. & Year of the Amendment संशोधन की तिथि एवं वर्ष	IS 3025 (Part 5) : 1983 Methods of Sampling and Test (Physical and Chemical) for water and waste water Part 5 Odour (First Revision)	आई एस 3025 (भाग 5): पानी और अपशिष्ट जल के लिए नमूना और परीक्षण (भौतिक और रासायनिक) के 1983 तरीके भाग 5 गंध (प्रथम संशोधन)
Date of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title of the Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5001 : 2018/ IEC 60191-1 : 2007 Mechanical Standardization of Semiconductor Devices – General Rules For the Preparation of Outline Drawings Devices (First Revision)	आई एस 5001: 2018 / आई ई सी 60191-1: 2007 सेमीकंडक्टर उपकरणों का यांत्रिक मानकीकरण – रूपरेखा तैयार करने वाले उपकरणों की तैयारी के लिए सामान्य नियम (पहला संशोधन)
Date of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. & Year of the Amendment संशोधन की तिथि एवं वर्ष	IS 5001 : 1969 Guide For Preparation of Drawings of Semiconductor Devices	आई एस 5001: 1969 गाइड सेमीकंडक्टर डिवाइसेस की तैयारियों के लिए
Date of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5786 (Part 1) : 2018/ IEC 60115- 1 : 2008 Fixed Resistors for use in Electronic Equipment Part 1 Generic Specification (Second Revision)	आई एस 5786 (भाग 1): 2018 / आई ई सी 60115- 1: 2008 इलेक्ट्रॉनिक उपकरणों में उपयोग के लिए निश्चित प्रतिरोधों भाग 1 सामान्य विनिर्देश (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5786 (Part 1) : 1978Specification for Fixed Resistors General Purpose, Low PowerPart 1 General Requirements and Methods of Tests (First Revision)	आई एस 5786 (भाग 1): फिक्स्ड रेसिस्टर्स जनरल पर्पस, लो पॉवरपार्ट 1 जनरल रिक्वायरमेंट्स एंड मेथड्स ऑफ टेस्ट्स (पहला रिवीजन) के लिए 1978 विशिष्टता
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5919: 2018/ISO 2238 : 2011 Machine Bridge Reamers (Second Revision)	आई एस 5919: 2018 / आई एस ओ 2238: 2011 मशीन ब्रिज रीमर्स (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5919: 1978 Specification for Machine Bridge Reamers (First Revision)	आई एस 5919: 1978 मशीन ब्रिज रीमर्स के लिए विशिष्टता (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 6200 (Part 1) : 2018 Statistical Tests of Significance Part 1 Normal, t- & F- Tests (Fourth Revision)	आई एस 6200 (भाग 1): 2018 महत्वपूर्ण भाग 1 के सांख्यिकीय परीक्षण सामान्य, टी एंड एफ- टेस्ट (चौथा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 6200 (Part 1) : 2003 Statistical Tests of Significance Part 1 Normal, t- & F- Tests (Third Revision)	आई एस 6200 (भाग 1): 2003 महत्वपूर्ण भाग 1 के सांख्यिकीय परीक्षण सामान्य, टी एंड एफ टेस्ट (तीसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 6964 : 2018/ IEC 61260-1 : 2014 Electroacoustics – Octave – Band and Fractional Octave Band Filters – Specifications (Second Revision)	आई एस 6964: 2018 / आई ई सी 61260-1: 2014 इलेक्ट्रोकैप्टिक्स – ऑक्टेव – बैंड और आंशिक ऑक्टेव बैंड फिल्टर – विनिर्देशों (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 6964 : 2001/ IEC 61260 : 1995 Electroacoustics – Octave – Band and Fractional Octave Band Filters – Specifications (First Revision)	आई एस 6964:2001 / आई ई सी 61260: 1995 इलेक्ट्रोकैप्टिक्स – ऑक्टेव – बैंड और आंशिक ऑक्टेव बैंड फिल्टर – विनिर्देश (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 7305 : 2018/IEC 60384-1 : 2016 Fixed Capacitors for use in Electronic Equipment – Generic Specification (Second Revision)	आई एस 7305रू 2018 / आई ई सी 60384-1: 2016 इलेक्ट्रॉनिक उपकरणों में उपयोग के लिए फिक्स्ड कैपेसिटर – जेनेरिक स्पेसिफिकेशन (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 7305 : 1984 Specification for Fixed Capacitors used in Electronic Equipment (First Revision)	आई एस 7305: 1984 इलेक्ट्रॉनिक उपकरणों (पहले संशोधन) में प्रयुक्त फिक्स्ड कैपेसिटर की विशिष्टता
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 12094 : 2018 Planning and Design of River Embankments (Levees) – Guidelines (Second Revision)	आई एस 12094: 2018 रिवर तटबंधों (लेवेस) की योजना और डिजाइन – दिशानिर्देश (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 12094 : 2000 Guidelines for Planning and Design of River Embankments (Levees) (First Revision)	आई एस 12094: 2000 दिशानिर्देश नदी तटबंधों (लेविस) की योजना और डिजाइन के लिए (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 12159 : 2018 Method of Evaluation of Accuracy of Parameters of Steering Geometry of Automotive Vehicles (Second revision)	आई एस 12159: 2018 ऑटोमोटिव वाहनों के संचालन ज्यामिति के मापदंडों की सटीकता का मूल्यांकन (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 12159 : 2007 Method of Evaluation of Accuracy of Parameters of Steering Geometry of Automotive V ehicles (First Revision)	आई एस 12159: 2007 मोटर वाहन वी एहलेरीज (प्रथम संशोधन) के संचालन ज्यामिति के मापदंडों की सटीकता का मूल्यांकन
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 12159 : 2007 Method of Evaluation of Accuracy of Parameters of Steering Geometry of Automotive V ehicles (First Revision)	आई एस 12159: 2007 मोटर वाहन वी एहलेरीज (प्रथम संशोधन) के संचालन ज्यामिति के मापदंडों की सटीकता का मूल्यांकन
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 13450 (Part 1) : 2008/IEC 60601-1 : 2005 Medical Electrical Equipment Part 1 General Requirements for Basic Safety and Essential Performance (First revision)	आई एस 13450 (भाग 1): 2008 / आई ई सी 60601-1रू 2005 चिकित्सा विद्युत उपकरण भाग 1 बुनियादी सुरक्षा और आवश्यक प्रदर्शन के लिए सामान्य आवश्यकताएँ (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13558 (Part 1) : 2018/ISO 7752- 1 : 2010 Cranes – Control Layout and Characteristics Part 1 General Principles (First Revision)	आई एस 13558 (भाग 1): 2018 / आई एस ओ 7752- 1रू 2010 क्रेन - नियंत्रण लेआउट और विशेषताएँ भाग 1 सामान्य सिद्धांत (प्रथम संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 13558 (Part 1) : 1992/ISO 7752-1 : 1983 Cranes – Controls - Layout and Characteristics Part 1 General Principles	आई एस 13558 (भाग 1): 1992 / आई एस ओ 7752-1: 1983 क्रेन - नियंत्रण - लेआउट और अभिलक्षण भाग 1 सामान्य सिद्धांत
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14469 : 2018/ ISO 4305 : 2014 Mobile Cranes – Determination of Stability (First Revision)	आई एस 14469: 2018 / आई एस ओ 4305: 2014 मोबाइल क्रेन - स्थिरता का निर्धारण (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 14469 : 1997/ ISO 4305 : 1991 Mobile Cranes – Determination of Stability	आई एस 14469: 1997 / आई एस ओ 4305: 1991 मोबाइल क्रेन - स्थिरता का निर्धारण
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018

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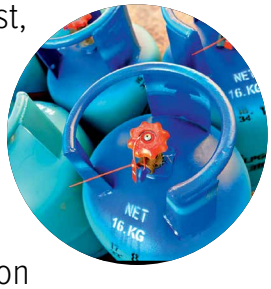

During the month of August, 2018, 345 new certification licences were granted, 223 expired and 15 were cancelled, thereby bringing the number of operative licences to 34,491. As on August 25, 2018, the total number of Standards covered under product certification was 954. Also, 1,176 surveillance inspections were carried out. In addition, 891 inspections for clearing lots of LPG, CNG & Industrial Gas Cylinders/ Valves/ Regulators and 286 other inspections like resumption of marking, inclusion by factory testing, shifting of premises, etc. were carried out.

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14700 (Part 3/Sec 3) : 2018/IEC 61000-3-3 : 2013 Electromagnetic Compatibility (EMC) Part 3 Limits Section 3 Limitation of Voltage changes, voltage fluctuations and flicker in public low-voltage supply system, for equipment with rated current ≤ 16 A per phase and not subjected to conditional connection (Second Revision)	आई एस 14700 (भाग 3 / सेक 3): 2018 / आई ई सी 61000-3-3: 2013 विद्युत चुम्बकीय संगतता (ई एम सी) भाग 3 सीमाएं खंड 3 वोल्टेज परिवर्तन, वोल्टेज में उतार-चढ़ाव और सार्वजनिक निम्न-वोल्टेज आपूर्ति प्रणाली में झिलमिलाहट, उपकरणों के साथ रेटेड वर्तमान बवदकपजपवद 16 ए प्रति चरण और सशर्त कनेक्शन के अधीन नहीं (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 14700 (Part 3/Sec 3) : 2008/IEC 61000-3-3 : 2005 Electromagnetic Compatibility (EMC) Part 3 Limits Section 3 Limitation of Voltage Changes, Voltage Fluctuations and Flicker in Public Low-Voltage Supply System, for Equipment with Rated Current ≤ 16 A per Phase and not Subjected to Conditional Connection (First Revision)	आई एस 14700 (भाग 3 / सेक 3): 2008 / आई ई सी 61000-3-3: 2005 इलेक्ट्रोमैग्नेटिक कम्पैटिबिलिटी (ई एम सी) भाग 3 सीमाएं धारा 3 की सीमा वोल्टेज में परिवर्तन, वोल्टेज में उतार-चढ़ाव और सार्वजनिक कम-वोल्टेज आपूर्ति प्रणाली में झिलमिलाहट, उपकरण रेटेड वर्तमान जमक 16 ए प्रति चरण और सशर्त कनेक्शन के अधीन नहीं (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14700 (Part 4/Sec 2) : 2018/IEC 61000-4-2 : 2008 Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 2 Electrostatic discharge immunity test (Second Revision)	आई एस 14700 (भाग 4 / सेक 2): 2018 / आई ई सी 61000-4-2: 2008 विद्युत चुम्बकीय संगतता (ई एम सी) भाग 4 परीक्षण और मापन तकनीक खंड 2 इलेक्ट्रोस्टैटिक डिस्चार्ज इम्युनिटी टेस्ट (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 14700 (Part 4/Sec 2) : 2008/IEC 61000-4-2 : 2001 Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 2 Electrostatic discharge immunity test (First Revision)	आई एस 14700 (भाग 4 / सेक 2): 2008 / आई ई सी 61000-4-2: 2001 विद्युत चुम्बकीय संगतता (ई एम सी) भाग 4 परीक्षण और मापन तकनीक खंड 2 इलेक्ट्रोस्टैटिक डिस्चार्ज प्रतिरक्षा परीक्षण (प्रथम संशोधन)
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14700 (Part 4/Sec 8) : 2018/IEC 61000-4-8 : 2009 Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 8 Power frequency magnetic field immunity test (Second Revision)	आई एस 14700 (भाग 4 / सेक 8): 2018 / आई ई सी 61000-4-8: 2009 विद्युत चुम्बकीय संगतता (ई एम सी) भाग 4 परीक्षण और मापन तकनीक धारा 8 विद्युत आवृत्ति चुंबकीय क्षेत्र प्रतिरक्षा परीक्षण (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 14700 (Part 4/Sec 8) : 2008/IEC 61000-4-8 : 2001 Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 8 Power frequency magnetic field immunity test (First Revision)	आई एस 14700 (भाग 4 / सेक 8): 2008 / आई ई सी 61000-4-8: 2001 विद्युत चुम्बकीय संगतता (ई एम सी) भाग 4 परीक्षण और माप तकनीक धारा 8 विद्युत आवृत्ति चुंबकीय क्षेत्र प्रतिरक्षा परीक्षण(प्रथम संशोधन)
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15371 (Part 2) : 2018/ISO 14253-2 : 2011 Geometrical Product Specifications (GPS) – Inspection by Measurement of Workpieces and Measuring Equipment Part 2 Guidance for the Estimation of Uncertainty in GPS Measurement, in Calibration of Measuring Equipment and in Product Verification (First Revision)	आई एस 15371 (भाग 2): 2018 / आई एस ओ 14253-2: 2011 ज्यामितीय उत्पाद विनिर्देश (जी पी एस) – माप के माप द्वारा निरीक्षण और माप उपकरण भाग 2 जी पी एस मापन में अनिश्चितता के अनुमान के लिए मार्गदर्शन, मापने के उपकरण के अंशांकन में और उत्पाद में सत्यापन (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 15371 (Part 2) : 2007/ISO 14253-2 : 1999 Geometrical Product Specifications (GPS) – Inspection by Measurement of Workpieces and Measurement of Workpieces and Measuring Equipment Part 2 Guidance for the Estimation of Uncertainty in GPS Measurement, in Calibration of Measuring Equipment and in Product V erification	आई एस 15371 (भाग 2): 2007 / आई एस ओ 14253-2: 1999 ज्यामितीय उत्पाद विनिर्देश (जी पी एस) – कार्यपीस की माप द्वारा निरीक्षण और माप उपकरण और माप उपकरण भाग 2 जीपीएस मापन में अनिश्चितता के अनुमान के लिए मार्गदर्शन, मापन के अंशांकन में उपकरण और उत्पाद सत्यापन में
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15371 (Part 3) : 2018/ISO 14253-3 : 2011 Geometrical Product Specifications (GPS) – Inspection by Measurement of Workpieces and Measuring Equipment Part 3 Guidelines for Achieving Agreements on Measurement Uncertainly Statements (First Revision)	आई एस 15371 (भाग 3): 2018 / आई एस ओ 14253-3: 2011 ज्यामितीय उत्पाद विनिर्देश (जी पी एस) – माप के माप द्वारा निरीक्षण और माप उपकरण भाग 3 मापन पर प्राप्त समझौतों के लिए दिशानिर्देश अनिश्चित काल के विवरण (प्रथम संशोधन)
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No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 15371 (Part 3) : 2007/ISO 14253-3 : 2002 Geometrical Product Specifications (GPS) – Inspection by Measurement of Workpieces and Measurement of Workpieces and Measuring Equipment Part 3 Guidelines for Achieving Agreements on Measurement Uncertainly Statements	आई एस 15371 (भाग 3): 2007 / आई एस ओ 14253-3: 2002 ज्यामितीय उत्पाद विनिर्देश (जी पी एस) – कार्यपीस की माप द्वारा निरीक्षण और कार्यपीस की माप और माप उपकरण भाग 3 मापन मापन पर सहमतियों के लिए दिशानिर्देश
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15371 (Part 4) : 2018/ISO/TS 14253-4 : 2010 Geometrical Product Specifications (GPS) – Inspection by Measurement of Workpieces and Measuring Equipment Part 4 Background on Functional Limits and Specification Limits in Decision Rules	आई एस 15371 (भाग 4): 2018 / आई एस ओ / टी एस 14253-4: 2010 ज्यामितीय उत्पाद विनिर्देश (जी पी एस) – कार्यपीस की माप द्वारा निरीक्षण और उपकरण नियम 4 कार्यात्मक सीमाओं पर सीमा पृष्ठभूमि और निर्णय नियमों में विशिष्टता सीमाएं
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15371 (Part 6) : 2018/ISO/TR 14253-6 : 2012 Geometrical Product Specifications (GPS) – Inspection by Measurement of Workpieces and Measuring Equipment Part 6 Generalized Decision Rules for the Acceptance and Rejection of Instruments and Workpieces	आई एस 15371 (भाग 6): 2018 / आई एस ओ / टी आर 14253-6: 2012 ज्यामितीय उत्पाद विनिर्देश (जी पी एस) – निरीक्षण माप और माप उपकरण भाग 6 उपकरण और वर्कपीस की स्वीकृति और अस्वीकृति के लिए सामान्यीकृत निर्णय नियम।
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16227 (Part 6) : 2018/IEC 61869-6 : 2016 Instrument Transformers Part 6 Additional General Requirements for Low – Power Instrument Transformers	आई एस 16227 (भाग 6): 2018 / आई ई सी 61869-6: 2016 साधन ट्रांसफॉर्मर पार्ट 6 लो – पावर इंस्ट्रूमेंट ट्रांसफॉर्मर्स के लिए अतिरिक्त सामान्य आवश्यकताएं
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16227 (Part 9) : 2018/IEC 61869-9 : 2016 Instrument Transformers Part 9 Digital Interface for Instrument Transformers	आई एस 16227 (भाग 9): 2018 / आई ई सी 61869-9: 2016 साधन ट्रांसफॉर्मर भाग 9 इंस्ट्रूमेंट ट्रांसफॉर्मर के लिए डिजिटल इंटरफेस
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16227 (Part 100) : 2018/IEC 61869-100 : 2017 Instrument Transformers Part 100 Guidance for Application of Current Transformers in power System Protection	आई एस 16227 (भाग 100): 2018 / आई ई सी 61869-100: 2017 इंस्ट्रूमेंट ट्रांसफॉर्मर पावर सिस्टम प्रोटेक्शन में करंट ट्रांसफॉर्मर के आवेदन के लिए 100 मार्गदर्शन
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16697 : 2018/ISO 13550:2002 Hydrometric Determination – Flow Measurement in Open Channels Using Structures – Use of Vertical Underflow Gates	आई एस 16697: 2018 / आई एस ओ 13550: 2002 हाइड्रोमेट्रिक निर्धारण – संरचनाओं का उपयोग करके खुले चौनलों में प्रवाह माप – ऊर्ध्वाधर अंडरफ्लो गेट्स का उपयोग
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16719 : 2018 Polyurethane Coatings for the Interior and Exterior of Steel Pipe and Fittings - Specification	आई एस 16719: 2018 स्टील पाइप और फिटिंग के आंतरिक और बाहरी के लिए पॉलीयूरेथेन कोटिंग्स – विशिष्टता
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16748 : 2018/ ISO 13102 : 2012 Geometrical Product Specifications (GPS) – Dimensional Measuring Equipment Electronic Digital – Indicator Gauge – Design and Metrological Characteristics	आई एस 16748: 2018 / आई एस ओ 13102: 2012 ज्यामितीय उत्पाद विनिर्देश (जीपीएस) – आयामी मापने के उपकरण इलेक्ट्रॉनिक डिजिटल – संकेतक गेज – डिजाइन और मेट्रोलॉजिकल लक्षण
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16753 (Part 1) : 2018/ ISO 29463-1 : 2011 High-Efficiency Filters and Filter Media for Removing Particles in Air Part 1 Classification, Performance Testing and Marking	आई एस 16753 (भाग 1): 2018 / आई एस ओ 29463-1: 2011 एयर पार्ट 1 वर्गीकरण, प्रदर्शन परीक्षण और अंकन में कणों को हटाने के लिए उच्च दक्षता फिल्टर और फिल्टर मीडिया
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16775 : 2018/ISO/TS 11365 : 2011 Petroleum and Related Products – Guidance for the Maintenance and Use of Triaryl Phosphate Ester Turbine – Control Fluids	आई एस 16775: 2018 / आई एस ओ / टी एस 11365: 2011 पेट्रोलियम और संबंधित उत्पाद – दिशा निर्देश फॉस्फेट एस्टर टर्बाइन के स्खरस्खाव और उपयोग के लिए मार्गदर्शन – नियंत्रण तरल पदार्थ
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC 60194 : 2015 Printed Board Design, Manufacture and Assembly – Terms and Definitions	आई एस / आई ई सी 60194: 2015 मुद्रित बोर्ड डिजाइन, निर्माण और विधानसभा – नियम और परिभाषाएं
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

NEWS YOU CAN USE

MANAGEMENT SYSTEM CERTIFICATION

During the month, seven new licences were granted and 14 licences were cancelled/expired, thereby bringing the number of operative licences to 1,288 under the Management System Certification Schemes. As on August 25, 2018, 26 Integrated Management Certification for Hazard Analysis & Critical Control Points (HACCP) and Quality Management System are in operation. One standalone licence for HACCP is also in operation.

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC 62326-1 : 2002 Printed Boards Part 1 Generic Specification	आई एस / आई ई सी 62326-1: 2002 मुद्रित बोर्डो भाग 1 सामान्य विशिष्टता
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC 62326-20 : 2016 Printed Boards Part 20 Printed Circuit Boards for High – Brightness LEDs	आई एस / आई ई सी 62326-20: 2016 मुद्रित बोर्ड भाग 20 मुद्रित सर्किट बोर्ड उच्च – चमक एलईडी के लिए
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC 62421 : 2007 Electronics Assembly Technology – Electronic Modules	आई एस / आई ई सी 62421: 2007 इलेक्ट्रॉनिक्स असेंबली टेक्नोलॉजी – इलेक्ट्रॉनिक मॉड्यूल
Date Of Establishment संशोधन की सख्या और तिथि	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1578 : 2018 Tobacco and Tobacco Products – Smoking Mixtures – Pipe Tobacco – Specification (Third Revision)	आई एस 1578: 2018 तंबाकू और तंबाकू उत्पाद – धूम्रपान मिश्रण – पाइप तम्बाकू – विशिष्टता (तीसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 1578 : 1989 Tobacco and Tobacco Products – Smoking Mixtures – Specification (Second Revision)	आई एस 1578: 1989 तंबाकू और तंबाकू उत्पाद – धूम्रपान मिश्रण – विशिष्टता (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	12 Mar. 2018	12 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5825 : 2018/IEC 60172 : 2015 Test Procedure for the Determination of the Temperature Index of Enamelled and tape Wrapped winding wires (Second Revision)	आई एस 5825: 2018 / आई ई सी 60172:2015 एनामेल्ड और टेप लपेटे हुए तारों के तापमान सूचकांक के निर्धारण के लिए टेस्ट प्रक्रिया (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5825 : 1993/IEC Pub 172 (1987) Test Procedure for the Determination of the Temperature Index of Enamelled Winding Wires (First Revision)	आई एस 5825:1993 / आईईसी पब 172(1987) एनामेल्ड वाइंडिंग तारों (प्रथम संशोधन) के तापमान सूचकांक के निर्धारण के लिए टेस्ट प्रक्रिया
Date Of Cancellation रद्द होने की तिथि	12 Mar. 2018	12 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 6393: 2008 Earth – Moving Machinery – Determination of Sound Power Level – Stationary Test Conditions	आई एस / आई एस ओ 6393: 2008 पृथ्वी – चलती मशीनरी – ध्वनि शक्ति स्तर का निर्धारण – स्थिर परीक्षण की स्थिति
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 6394: 2008 Earth – Moving Machinery – Determination of Emission Sound Pressure Level at Operator's Position – Stationary Test Conditions	आई एस / आई एस ओ 6394: 2008 पृथ्वी – चलती मशीनरी – ऑपरेटर के स्थान पर उत्सर्जन ध्वनि दबाव स्तर का निर्धारण – स्थिर परीक्षण की स्थिति
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 9249 : 2007 Earth – Moving Machinery – Engine Test Code – Net Power	आई एस / आई एस ओ 9249: 2007 पृथ्वी – चलती मशीनरी – इंजन टेस्ट कोड – नेट पावर परीक्षण की स्थितियाँ
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 9403 : 2018 Method of Test for Thermal Conductance and Transmittance of Built – Up Sections by Means of Guarded Hot Box (First Revision)	आई एस 9403: 2018 पहरेदार ह०ट ब०क्स (पहले संशोधन) के माध्यम से निर्मित और थर्मल अनुभागों के परीक्षण के लिए विधि
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 9403 : 1980 Method of Test for Thermal Conductance and Transmittance of Built – Up Sections by Means of Guarded Hot Box	आई एस 9403: 1980 तापीय चालकता और निर्मित संप्रेषण के प्रसारण के लिए टेस्ट की विधि – गार्डेड रोल ब०क्स के माध्यम से अनुभाग
Date Of Cancellation रद्द होने की तिथि	12 Mar. 2018	12 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13450 (Part 2/Sec 25) : 2018/IEC 60601-2-25 : 2011 Medical Electrical Equipment Part 2 Particular Requirements for the Basic Safety and Essential Performance section 25 Electrocardiographs	आई एस 13450 (भाग 2 / सेक 25): 2018 / आई ई सी 60601- 2-25: 2011 चिकित्सा विद्युत उपकरण भाग 2 बुनियादी सुरक्षा और आवश्यक प्रदर्शन अनुभाग 25 के लिए विशेष आवश्यकताओं
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13450 (Part 2/Sec 27) : 2018/IEC 60601-2-27 : 2011 Medical Electrical Equipment Part 2 Particular Requirements for the Basic Safety and Essential Performance section 27 Electrocardiographic Monitoring Equipment	आई एस 13450 (भाग 2 / सेक 27): 2018 / आई ई सी 60601- 2-27: 2011 चिकित्सा विद्युत उपकरण भाग 2 मूलभूत सुरक्षा और आवश्यक प्रदर्शन अनुभाग 27 इलेक्ट्रोकार्डियोग्राफिक निगरानी उपकरण के लिए विशेष आवश्यकताएं
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

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HALLMARKING CERTIFICATION

During the month, 350 licences for Hallmarking of gold and 25 licences for Hallmarking of silver were granted, whereas 217 licences for Hallmarking of gold, 22 licences for silver were cancelled/expired. Total number of operative licences under this scheme as on August 25, 2018, stood at 22,724 and 1,790 for gold and silver respectively. During the month, 21 Assaying & Hallmarking centre were recognized. As on 25 August, 2018, 689 Assaying and Hallmarking centres recognized by BIS were in operation.

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13514 (Part 4) : 2018/ IEC 61982-4 : 2015 Secondary Batteries (Except Lithium) for the Propulsion of Electric Road Vehicles Part 4 Safety Requirements of Nickel – Metal Hydride Cells and Modules	आई एस 13514 (भाग 4): 2018 / आई ई सी 61982-4: 2015 माध्यमिक बैटरियों (लिथियम को छोड़कर) इलेक्ट्रिक रोड वाहनों के प्रणोदन के लिए भाग 4 निकल की सुरक्षा आवश्यकताएँ – धातु हाइड्राइड सेल और मॉड्यूल
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 15531-1 : 2004 Industrial Automation Systems and Integration – Industrial Manufacturing Management Data	आई एस / आई एस ओ 15531-1: 2004 औद्योगिक स्वचालन प्रणाली और एकीकरण – औद्योगिक विनिर्माण प्रबंधन डेटा
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16690 : 2018/ISO 7385 : 1983 Nuclear Power plants – Guidelines to ensure Euality of Collected Data on Reliability	आई एस 16690: 2018 / आई एस ओ 7385: 1983 न्यूक्लियर पावर प्लांट – विश्वसनीयता पर एकत्रित डेटा की गुणवत्ता सुनिश्चित करने के लिए दिशानिर्देश
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16760 : 2018/ISO 22264 : 2006 Telemark Ski – Boots for Adults – Interface with Telemark Ski- Bindings – Requirements and Test Methods	आई एस 16760: 2018 / आई एस ओ 22264: 2006 टेलीमार्क स्की – बूट्स फॉर एडल्ट्स – इंटरफेस विथ टेलीमार्क स्की- बाइंडिंग्स – रिक्वायरमेंट्स एंड टेस्ट मेथड्स
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16771 : 2018/ISO 9465 : 2012 Alpine Ski – Bindings – Lateral Release Under Impact Loading – Test Method	आई एस 16771: 2018 / आई एस ओ 9465: 2012 अल्पाइन स्की – बाइंडिंग्स – प्रभाव लोड के तहत पार्श्व रिलीज – टेस्ट विधि
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16802 : 2018 ISO/ TS 7821 : 2005 Tobacco and Tobacco Products – Preparation and Constitution of Identical samples from the Same Lot for Collaborative Studies for the Evaluation of Test Methods	आई एस 16802: 2018 आई एस ओ / टी एस 7821: 2005 तम्बाकू और तम्बाकू उत्पाद – परीक्षण विधियों के मूल्यांकन के लिए सहयोगात्मक अध्ययन के लिए एक ही लॉट से पहचान और नमूनों की तैयारी
Date Of Establishment संशोधन की सख्या और तिथि	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC 62220-1-3 : 2003 Medical Electrical Equipment – Characteristics of Digital X-ray Imaging Devices Part 1 Determination of the Detective Quantum Efficiency Section 3 Detectors used in Dynamic Imaging	आई एस / आई ई सी 62220-1-3: 2003 मेडिकल इलेक्ट्रिकल उपकरण – डिजिटल एक्स–रे इमेजिंग डिवाइस के लक्षण भाग 1 डायनामिक इमेजिंग में उपयोग किए जाने वाले डिटेक्टिव क्वांटम दक्षता खंड 3 डिटेक्टरों का निर्धारण
Date Of Establishment संशोधन की सख्या और तिथी	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नहीं
Date Of Cancellation रद्द होने की तिथि	NA	लागू नहीं
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC 62271-203 : 2011 High – Voltage Switchgear and Controlgear Part 203 Gas – Insulated Metal – Enclosed Switchgear for Rated Voltages Above 52 kV (First Revision)	आई एस / आई ई सी 62271-203: 2011 उच्च – वोल्टेज स्विचगियर और कंट्रोलगियर भाग 203 गैस – अछूता धातु – 52 के वी (प्रथम संशोधन) से ऊपर रेटेड वोल्टेज के लिए संलग्न स्विचगियर
Date Of Establishment संशोधन की सख्या और तिथी	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/IEC 62271-203 :2003 High – Voltage Switchgear and Controlgear Part 203 Gas – Insulated Metal – Enclosed Switchgear for Rated Voltages Above 52 kV	आई एस / आई ई सी 62271-203: 2003 उच्च – वोल्टेज स्विचगियर और कंट्रोलगियर भाग 203 गैस – अछूता धातु – 52 केवी से ऊपर रेटेड वोल्टेज के लिए संलग्न स्विचगियर
Date Of Cancellation रद्द होने की तिथि	12 Mar. 2018	12 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC TR 62271-301 : 2009 High – Voltage Switchgear and Controlgear Part 301 Dimensional Standardisation of High – Voltage Terminals	आई एस / आई ई सी टी आर 62271-301: 2009 उच्च – वोल्टेज स्विचगियर और नियंत्रण भाग 301 उच्च के डायमेंशनल मानकीकरण – वोल्टेज टर्मिनलों
Date Of Establishment संशोधन की सख्या और तिथी	12 Mar. 2018	12 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 10601 : 1983 Dimensions For Terminals of High Voltage Switchgear and Controlgear	आई एस 10601: 1983 हाई वोल्टेज स्विचगियर और कंट्रोलगियर के टर्मिनलों के लिए आयाम
Date Of Cancellation रद्द होने की तिथि	12 Mar. 2018	12 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 4253 (Part 2) : 2008 Cork Composition Sheets – Specification Part 2 Cork And Rubber (Second Revision)	आई एस 4253 (भाग 2): 2008 कॉर्क रचना पत्रक – विशिष्टता भाग 2 कॉर्क और रबर (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 2 February 2018	संशोधन संख्या 2 फरवरी 2018
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 6932 (Part 2) : 1973 Methods of tests For Building Limes Part 2 Determination of Carbon Dioxide Content	आई एस 6932 (भाग 2): 1973 डमजीवक बिल्डिंग लीम्स भाग 2 के लिए परीक्षणा के तरीके कार्बन डाइऑक्साइड सामग्री का निर्धारण
Date Of Establishment संशोधन की सख्या और तिथी	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 2 February 2018	संशोधन संख्या 2 फरवरी 2018
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 9113 : 2012 Textiles – Jute Sacking – General Requirements (Second Revision)	आई एस 9113: 2012 कपड़ा – जूट बोरी – सामान्य आवश्यकताएँ (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 February 2018	संशोधन नंबर 1 फरवरी 2018
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15802 : 2008 Automotive Vehicles – Windscreen Wiping System For 4 Wheelers Other Than M1 Category Of Vehicles - Requirements	आई एस 15802: 2008 ऑटोमोटिव वाहन – 4 पहियों के लिए विंडस्क्रीन पोंछने की प्रणाली एम1 श्रेणी के अन्य वाहन – आवश्यकताएँ
Date Of Establishment संशोधन की सख्या और तिथी	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 February 2018	संशोधन नंबर 1 फरवरी 2018
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15804 : 2008 Automotive Vehicles – Windscreen Wiping And Washing System For M1 Category Of Vehicles - Requirements	आई एस 15804: 2008 ऑटोमोटिव वाहन – विंडस्क्रीन पोंछना और धुलाई प्रणाली एम 1 वाहनों की श्रेणी के लिए – आवश्यकताएँ
Date Of Establishment संशोधन की सख्या और तिथी	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 2 February 2018	संशोधन नंबर 2 फरवरी 2018
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16227 (Part 5) : 2014/IEC 61869-5 : 2011 Instrument Transformers Part 5 Additional Requirements For Capacitors Voltage Transformers	आई एस 16227 (भाग 5): 2014 / आई ई सी 61869-5: 2011 साधन ट्रांसफॉर्मर भाग 5 अतिरिक्त आवश्यकताओं के लिए कैपेसिटर वोल्टेज वोल्टेज
Date Of Establishment संशोधन की सख्या और तिथी	16 Mar. 2018	16 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 February 2018	संशोधन नंबर 1 फरवरी 2018
Date Of Cancellation रद्द होने की तिथि	16 Mar. 2018	16 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO/IEC 17025 : 2018 General Requirements for the Competence of Testing and Calibration Laboratories (Second Revision)	आई एस / आई एस ओ / आई ई सी 17025: 2018 परीक्षण और अंशांकन प्रयोगशालाओं की क्षमता के लिए सामान्य आवश्यकताएं (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	22 Mar. 2018	22 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/ISO/IEC 17025 : 2005 General Requirements for the Competence of Testing and Calibration Laboratories (First Revision)	आई एस / आई एस ओ / आई ई सी 17025: 2005 परीक्षण और अंशांकन प्रयोगशालाओं की क्षमता के लिए सामान्य आवश्यकताएं (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	21 Mar. 2021	21 मार्च 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16720 : 2018 Pulverized Fuel Ash-Cement Bricks Specification	आई एस 16720: 2018 पुलीवराइज्ड फ्यूल ऐश-सीमेंट ब्रिक्स स्पेसिफिकेशन
Date Of Establishment संशोधन की सख्या और तिथी	2 April 2018	२ अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC 60898-1 : 2015 Electrical Accessories – Circuit-Breakers for Overcurrent Protection for Household and Similar Installations Part 1 Circuit- Breakers for a.c. Operation (First Revision)	आई एस / आई ई सी 60898-1: 2015 विद्युत सहायक उपकरण – घरेलू और इसी तरह के प्रतिष्ठान के लिए अति-सुरक्षा के लिए सर्किट-ब्रेकर भाग 1 सर्किट। ऑपरेशन (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	28 Mar. 2018	28 मार्च 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/IEC 60898-1 : 2002 Electrical Accessories – Circuit-Breakers for Overcurrent Protection for Household and Similar Installations Part 1 Circuit- Breakers for a.c. Operation	आई एस / आई ई सी 60898-1: 2002 विद्युत सहायक उपकरण – घरेलू और इसी तरह के प्रतिष्ठान के लिए अति-सुरक्षा के लिए सर्किट-ब्रेकर पार्ट 1 सर्किट-ए.सी. के लिए ब्रेकर। ऑपरेशन
Date Of Cancellation रद्द होने की तिथि	27 Mar. 2019	27 मार्च 2019

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 573 : 1992 Trisodium Phosphate (Fourth Revision)	आई एस 573: 1992 ट्रिसोडियम फॉस्फेट (चौथा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	12 Apr. 2018	12 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 2 February 2018	संशोधन संख्या 2 फरवरी 2018
Date Of Cancellation रद्द होने की तिथि	12 Apr. 2018	12 अप्रैल 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 10116 : 2015 Boric Acid (First Revision)	आई एस 10116: 2015 बोरिक एसिड (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	12 Apr. 2018	12 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 February 2018	संशोधन संख्या 2 फरवरी 2018
Date Of Cancellation रद्द होने की तिथि	12 Apr. 2018	12 अप्रैल 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2694 : 2018 School Chalks, Moulded, White – Specification (First Revision)	आई एस 2694: 2018 स्कूल चाल, ढाला, सफेद – विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	12 Apr. 2018	12 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 2694 : 1963 Specification for School Chalks, Moulded, White	आई एस 2694: 1963 स्कूल चाक, ढाला, सफेद के लिए विशिष्टता
Date Of Cancellation रद्द होने की तिथि	12 Apr. 2018	12 अप्रैल 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5168 : 2018 Glass Feeding Bottles – Specification (First Revision)	आई एस 5168: 2018 ग्लास फीडिंग बोतलें – विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	12 Apr. 2018	12 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5168 : 1969 Specification for Glass Feeding Bottles	आई एस 5168: 1969 ग्लास फीडिंग बoटल के लिए विशिष्टता
Date Of Cancellation रद्द होने की तिथि	12 Apr. 2018	12 अप्रैल 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16714 : 2018 Ground Granulated Blast Furnace Slag for Use in Cement, Mortar and Concrete – Specification	आई एस 16714: 2018 ग्राउंड दानेदार ब्लास्ट फर्नेस स्लैग सीमेंट, मोर्टार और कंक्रीट में उपयोग के लिए – विशिष्टता
Date Of Establishment संशोधन की सख्या और तिथी	24 April 2018	24 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 4923 : 2017 Hollow Steel Sections for Structural Use – Specification (Third Revision)	आई एस 4923: 2017 संरचनात्मक उपयोग के लिए खोखले स्टील के खंड – विशिष्टता (तीसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	20 Apr. 2018	20 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 March 2018	संशोधन नंबर 1 मार्च 2018
Date Of Cancellation रद्द होने की तिथि	25 Aug. 2018	25 अगस्त 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 139 : 2018 Ready Mixed Paint, Marking, Quick Drying, for Marking with Rubber Stamps – Specification (Third Revision)	आई एस 139: 2018 रेडीमेड पेंट, मार्किंग, क्विक ड्रायिंग, रबर स्टैम्प के साथ मार्किंग के लिए तैयार – विशिष्टता (तीसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	20 Apr. 2018	20 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 139 : 1981 Ready Mixed Paint, Marking, Quick Drying, for Marking with Rubber Stamps – Specification (Second Revision)	आई एस 139: 1981 रेडी मिक्स्ड पेंट, मार्किंग, क्विक ड्रायिंग, रबर स्टैम्प के साथ मार्किंग के लिए – विशिष्टता (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	20 Apr. 2018	20 अप्रैल 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2619 : 2018/ISO 3819 : 2015 Glass Beakers –Specification (Third Revision)	आई एस 2619: 2018 / आई एस ओ 3819: 2015 ग्लास बीकर –संचाईकरण (तीसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	20 Apr. 2018	20 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 2619 : 1993 Glass Beakers Specification (Second Revision)	आई एस 2619: 1993 ग्लास बीकर्स स्पेसिफिकेशन (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	19 Jul. 2018	19 जुलाई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 8391 (Part 1) : 2018 Rubberized Coir Sheets for Cushioning – Specification Part 1 Curled (Second Revision)	आई एस 8391 (भाग 1): 2018 कुशनिंग के लिए रबरयुक्त कॉयर शीट – विशिष्टता भाग 1 कर्ल (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	20 Apr. 2018	20 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 8391 : 1987 Rubberized Coir Sheets for Cushioning – Specification (First Revision)	आई एस 8391: 1987 कुशनिंग के लिए रबरयुक्त कॉयर शीट – विशिष्टता (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	19 Jul. 2018	19 जुलाई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 12084 : 2018 Morpholine – Specification (First Revision)	आई एस 12084: 2018 मॉर्फोलिन – विशिष्टता (प्रथम संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	20 Apr. 2018	20 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 12084 : 1987 Morpholine - Specification	आईएस 12084: 1987 मॉर्फोलिन – विशिष्टता
Date Of Cancellation रद्द होने की तिथि	20 Apr. 2018	20 अप्रैल 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14490 : 2018 Plain Copier Paper – Specification (First Revision)	आई एस 14490: 2018 प्लेन कॉपियर पेपर – विशिष्टता (प्रथम संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	20 Apr. 2018	20 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 14490 : 1997 Plain Copier Paper – Specification	आई एस 14490: 1997 प्लेन कॉपियर पेपर – विशिष्टता
Date Of Cancellation रद्द होने की तिथि	19 Jul. 2018	19 जुलाई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2082 : 2018 Stationary Storage Type Electric Water Heater- Specification (Fifth Revision)	आई एस 2082: 2018 स्थिर भंडारण प्रकार इलेक्ट्रिक वॉटर हीटर- विशिष्टता (पांचवां संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	20 Apr. 2018	20 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 2082 : 1993 Stationary Storage Type Electric Water Heater- Specification (Fourth Revision)	आई एस 2082: 1993 स्टेशनरी स्टोरेज इलेक्ट्रिक इलेक्ट्रिक हीटर- विशिष्टता (चौथा संशोधन)
Date Of Cancellation रद्द होने की तिथि	19 Oct. 2018	19 अक्टूबर 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 6303 : 2018 Primary Batteries-General (Second Revision)	आई एस 6303: 2018 प्राथमिक बैटरी–जनरल (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	20 Apr. 2018	20 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 6303 : 1984 General Requirements and Methods of Tests for Dry Cells and Batteries (First Revision)	आई एस 6303: 1984 सूखी कोशिकाओं और बैटरियों के लिए टेस्ट की सामान्य आवश्यकताएं और तरीके (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	19 Oct. 2018	19 अक्टूबर 2018

NEWS YOU CAN USE

TESTING & CONSUMER AWARENESS

During the month, 2,237 samples were tested by BIS laboratories. As on August 25, 2018, 228 Outside Laboratories (OSL) stands recognized by BIS and during the month, 504 samples were tested by OSLs. Besides, 16 consumer awareness programmes was organized at NRO, ERO, WRO, SRO and CRO. A total of 2,083 consumers/participants attended these programmes. Also, 14 grievances/complaints regarding Product Certification were received and 17 grievances/complaints were closed.

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 8144 : 2018 Multipurpose Dry Batteries — Specification (Second Revision)	आई एस 8144: 2018 बहुउद्देशीय सूखी बैटरी – विशिष्टता (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	20 Apr. 2018	20 अप्रैल 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 8144 : 1997 Multipurpose Dry Batteries — Specification (First Revision) IS 9128 : 1999 Heavy Duties Dry Batteries- Specification (First Revision)	आई एस 8144: 1997 बहुउद्देशीय सूखी बैटरी – विशिष्टता (पहला संशोधन) आई एस 9128: 1999 भारी शुल्क सूखी बैटरी- विशिष्टता (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	19 Oct. 2018	19 अक्टूबर 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1781 : 1975 Specification for Urea, Technical (First Revision)	आई एस 1781: 1975 यूरिया के लिए विशिष्टता, तकनीकी (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	10 May 2018	10 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 2 May 2018	संशोधन संख्या 2 मई 2018
Date Of Cancellation रद्द होने की तिथि	10 May 2018	10 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 7884 : 2004 Shampoo, Surfactant Based – Specification (Third Revision)	आई एस 7884: 2004 शैंपू, सर्फेक्टेंट आधारित – विशिष्टता (तीसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	10 May 2018	10 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 5 February 2018	संशोधन संख्या 5 फरवरी 2018
Date Of Cancellation रद्द होने की तिथि	10 May 2018	10 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 11125 : 1984 General Requirements for Plate Heat Exchangers for Marine Use	आई एस 11125: 1984 समुद्री उपयोग के लिए प्लेट हीट एक्सचेंजर्स के लिए सामान्य आवश्यकताएं
Date Of Establishment संशोधन की सख्या और तिथि	10 May 2018	10 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 February 2018	संशोधन नंबर 1 फरवरी 2018
Date Of Cancellation रद्द होने की तिथि	10 May 2018	10 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 168 : 2016 Ready Mixed Paint, Air Drying for General Purpose- Specification (Fourth Revision)	आई एस 168: 2016 रेडी मिक्स्ड पेंट, सामान्य प्रयोजन के लिए एयर ड्रायिंग- विशिष्टता (चौथा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	1 May 2018	1 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 March 2018	संशोधन नंबर 1 मार्च 2018
Date Of Cancellation रद्द होने की तिथि	1 May 2018	1 मई 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5982 : 2003 Plantation White Sugar- Specification (First Revision)	आई एस 5982: 2003 वृक्षारोपण सफेद चीनी-विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	1 May 2018	1 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 3 March 2018	संशोधन संख्या 3 मार्च 2018
Date Of Cancellation रद्द होने की तिथि	1 May 2018	1 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 8707 : 2013 Mancozeb Technical- Specification (First Revision)	आई एस 8707:2013 मनकोजेब तकनीकी-विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	1 May 2018	1 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 March 2018	संशोधन संख्या 1 मार्च 2018
Date Of Cancellation रद्द होने की तिथि	1 May 2018	1 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13528 : 2013 Pretanning Syntans- Specification (First Revision)	आई एस 13528: 2013 प्रीटेनिंग सिंटान्स- विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	1 May 2018	1 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 March 2018	संशोधन संख्या 1 मार्च 2018
Date Of Cancellation रद्द होने की तिथि	1 May 2018	1 मई 2018

NEWS YOU CAN USE

ENFORCEMENT ACTIVITY & TRAINING

During the month, five searches and seizures were conducted by BIS for the misuse of Standard mark. Out of the pending cases in the courts, one case was decided during the month, which was in favour of BIS. During the month, 14 training programmes for industry and seven programmes for BIS officials involving 305 participants were conducted by the National Institute of Training for Standardization (NITS), Noida.

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13606 : 2013 Synthetic Sulphochlorinated Fatiliquors for Leather Processing- Specification- (First Revision)	आई एस 13606: 2013 चमड़ा प्रसंस्करण के लिए सिंथेटिक सल्फोक्लोराइज्ड फैटीलाइकर्स- विशिष्टता- (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	1 May 2018	1 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 March 2018	संशोधन संख्या 1 मार्च 2018
Date Of Cancellation रद्द होने की तिथि	1 May 2018	1 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15779 : 2007 Metal Complex Syntans- Specification	आई एस 15779: 2007 मेटल कॉम्प्लेक्स सिंटन्स- विशिष्टता
Date Of Establishment संशोधन की सख्या और तिथी	1 May 2018	1 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 March 2018	संशोधन संख्या 1 मार्च 2018
Date Of Cancellation रद्द होने की तिथि	1 May 2018	1 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 542 : 2018 Coconut Oil — Specification (Third Revision)	एस 542: 2018 नारियल तेल - विशिष्टता (तीसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 542 : 1968 Specification for Coconut Oil (Second Revision)	आई एस 542: 1968 नारियल तेल के लिए विशिष्टता (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 543 : 2018 Cottonseed Oil — Specification (Third Revision)	आई एस 543 : 2018 कपास का तेल - विशिष्टता (तीसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 543 : 1968 Specification For Cottonseed Oil (Second Revision)	आई एस 543: 2018 कोटेड तेल के लिए विशिष्टता (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 547 : 2018 Sesame Oil — Specification (Third Revision)	आई एस 547: 2018 तिल का तेल - विशिष्टता (तीसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 547 : 1968 Specification For Sesame Oil (Second Revision)	आई एस 547: 1968 तिल का तेल के लिए विशिष्टता (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1448 [P : 157] : 2018 Methods of Test For Petroleum and Its Products [P: 157] Rust Protections by Metal Preservatives in the Humidity Cabinet	आई एस 1448 (पी157): 2018 पेट्रोलियम और उसके उत्पादों के लिए परीक्षण के तरीके (पी157): नमी संरक्षण में धातु संरक्षक द्वारा जंग से बचाव
Date Of Establishment संशोधन की सख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 3490 : 2018 Nigerseed Oil — Specification (First Revision)	आई एस 3490: 2018 निगारसाइड तेल - विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 3490 : 1965 Specification For Nigerseed oil	आई एस 3490: 1965 निगरसाइड तेल के लिए विशिष्टता
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 3491 : 2018 Safflower Seed Oil — Specification (First Revision)	आई एस 3491: 2018 कुसुम सीड ऑयल - विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 3491 : 1965 Specification For Safflower	आई एस 3491: 1965 कुसुम के लिए विशिष्टता
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 4055 : 2018 Maize (Corn) Oil — Specification (First Revision)	आई एस 4055: 2018 मक्का (मक्का) तेल - विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 4055 : 1996 Specification For Maize (Corn) Oil	आई एस 4055: 1996 मक्का (मकई) तेल के लिए विशिष्टता
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 7240-2 : 2003 Fire Detection and Alarm Systems Part 2 Control and Indicating Equipment	आई एस /आई एस ओ 7240-2: 2003 फायर डिटेक्शन एंड अलार्म सिस्टम पार्ट 2 कंट्रोल एंड इंडिकेटिंग इक्विपमेंट
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही

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MEMORANDUM OF UNDERSTANDINGS

By the end of August 2018, BIS signed 29 MoUs and seven Bilateral Cooperation Agreements with National Standard Bodies of various countries. Meanwhile, BIS attended the interministerial meetig convened by Department of Commerce on August 7, 2018 at Udyog Bhawan, New Delhi to review the Trade treaty between India and Nepal.

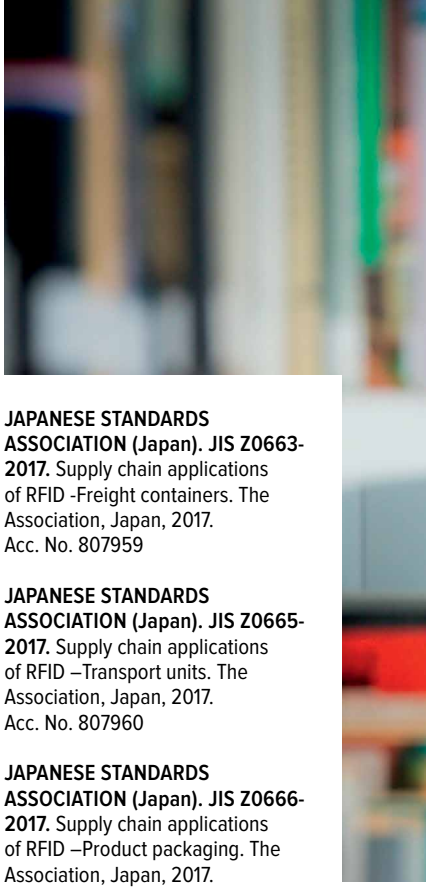
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 7240 -3 : 2010 Fire Detection and Alarm Systems Part 3 Audible Alarm Devices	आई एस / आई एस ओ 7240 -3: 2010 अग्नि जांच और अलार्म सिस्टम भाग 3 श्रव्य अलार्म उपकरण
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 7240-4 : 2003 Fire Detection and Alarm Systems Part 4 Power Supply Equipment	आई एस / आई एस ओ 7240-4: 2003 फायर डिटेक्शन एंड अलार्म सिस्टम पार्ट 4 पावर सप्लाई उपकरण
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 7240-5 : 2012 Fire Detection and Alarm Systems Part 5 Point–Type Heat Detectors (First Revision)	आई एस / आई एस ओ 7240-5: 2012 फायर डिटेक्शन एंड अलार्म सिस्टम पार्ट 5 पॉइंट-टाइप हीट डिटेक्टर (प्रथम संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/ISO 7240-5 : 2003 Fire Detection and Alarm Systems Part 5 Point- Type Heat Detectors	आई एस / आई एस ओ 7240-5: 2003 फायर डिटेक्शन एंड अलार्म सिस्टम पार्ट 5 प्वाइंट- टाइप हीट डिटेक्टर
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 7240-6 : 2011 Fire Detection and Alarm Systems Part 6 Carbon Monoxide Fire Detectors Using Electro – Chemical Cells	आई एस/ आई एस ओ 7240-6: 2011 अग्नि जांच और अलार्म सिस्टम पार्ट 6 कार्बन मोनोअoक्साइड अग्नि डिटेक्टरों का उपयोग इलेक्ट्रो – रासायनिक कोशिकाओं
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 7240-12 : 2014 Fire Detection and Alarm Systems Part 12 Line Type Smoke Detectors Using a Transmitted Optical Beam	आई एस / आई एस ओ 7240-12: 2014 फायर डिटेक्शन एंड अलार्म सिस्टम पार्ट 12 लाइन टाइप स्मोक डिटेक्टर एक ट्रांसमिटेड अoप्टिकल बीम का उपयोग करना
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 7240-16 : 2007 Fire Detection and Alarm Systems Part 16 Sound System Control and Indicating Equipment	आई एस : आई एस ओ 7240-16: 2007 फायर डिटेक्शन एंड अलार्म सिस्टम पार्ट 16 साउंड सिस्टम कंट्रोल एंड इंडिकेटिंग इक्विपमेंट
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 7240-17 : 2009 Fire Detection and Alarm Systems Part 17 Short – Circuit Isolators	आई एस / आई एस ओ 7240-17: 2009 फायर डिटेक्शन एंड अलार्म सिस्टम पार्ट 17 शॉर्ट – सर्किट आइसोलेटर्स
Date Of Establishment संशोधन की सख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 7240-20 : 2010 Fire Detection and Alarm Systems Part 20 Aspirating Smoke Detectors	आई एस : आई एस ओ 7240-20: 2010 फायर डिटेक्शन एंड अलार्म सिस्टम पार्ट 20 एस्पिरेटिंग स्मोक डिटेक्टर
Date Of Establishment संशोधन की सख्या और तिथी	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 7240-23 : 2013 Fire Detection and Alarm Systems Part 23 Visual Alarm Devices	आई एस : आई एस ओ 7240-23: 2013 फायर डिटेक्शन एंड अलार्म सिस्टम पार्ट 23 विजुअल अलार्म डिवाइस
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 8323 : 2018 Palm Oil — Specification (First Revision)	आई एस 8323: 2018 पाम ऑयल – विशिष्टता (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 8323 : 1977 Specification For Palm Oil	आई एस 8323: 1977 पाम ऑयल के लिए विशिष्टता
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 9168 : 2018 Automotive Vehicle — All Rubber Flaps For Pneumatic Tyres — Specification (Second Revision)	आई एस 9168: 2018 अoटोमोटिव वाहन – वायवीय टायरों के लिए सभी रबड़ फ्लैप – विशिष्टता (दूसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 9168 : 1996 Automotive Vehicle — All Rubber Flaps For Pneumatic Tyres — Specification	आई एस 9168: 1996 ऑटोमोटिव वाहन – वायवीय टायरों के लिए सभी रबड़ फ्लैप – विशिष्टता
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 9436 : 2018 Performance Requirements and Methods of Test For Wheels For Passenger Cars, Quadricycles and Mini Goods Carries (First Revision)	आई एस 9436: 2018 प्रदर्शन आवश्यकताओं और यात्री कारों के लिए पहियों के लिए परीक्षण के तरीके, क्वाड्रिसाइकल और मिनी गुड्स कैरीज (पहला संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 9436 : 1980 Performance Requirements and Methods of Test For Wheels For Passenger Cars	आई एस 9436: 1980 प्रदर्शन आवश्यकताएं और यात्री कारों के लिए पहियों के परीक्षण के तरीके
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 10804 (Part 1) : 2018 Recommended Pumping Systems for Agricultural Purposes Part 1 Surface Pumps (Third Revision)	आई एस 10804 (भाग 1): 2018 कृषि प्रयोजनों के लिए अनुशंसित पम्पिंग सिस्टम भाग 1 भूतल पंप (तीसरा संशोधन)
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 10804 : 1994 Recommended Pumping Systems for Agricultural Purposes Part 1 Surface Pumps (Second Revision)	आई एस 10804: 1994 कृषि प्रयोजनों के लिए अनुशंसित पम्पिंग सिस्टम 1 सरफेस पंप (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	4 May 2018	4 मई 2018

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14700 (Part 4/Sec 14) : 2018/IEC 61000-4-14 : 2009 Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 14 Voltage Fluctuation Immunity test for Equipment With Input Current Not Exceeding 16 A Per Phase	आई एस14700 (भाग 4 / सेकंड 14): 2018 /आई ई सी 61000-4-14: 2009 विद्युत चुम्बकीय संगतता (ई एम सी) भाग 4 परीक्षण और माप तकनीक धारा 14 वोल्टेज प्रवाह के साथ उपकरण के लिए उतार-चढ़ाव परीक्षण वर्तमान प्रवाह 16 से बाहर नहीं निकल रहा प्रति चरण
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14700 (Part 4/Sec 25) : 2018 IEC 61000-4-25 : 2012 Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 25 HEMP Immunity test Techniques Section 25 HEMP Immunity test Methods for Equipment and Systems	आई एस14700 (भाग 4 / सेक 25): 2018 आई ई सी 61000-4-25: 2012 विद्युत चुम्बकीय संगतता (ई एम सी) भाग 4 परीक्षण और माप तकनीक धारा 25 भ्मडद्य प्रतिरक्षा परीक्षण तकनीक धारा 25 एच ई एम पी प्रतिरक्षा उपकरण और प्रणालियों के लिए तरीके
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14700 (Part 4/Sec 32) : 2018/IEC 61000-4-32 : 2002 Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 32 High – Altitude Electromagnetic Pulse (HEMP) Simulator Compendium	आई एस 14700 (भाग 4 / सेक 32): 2018 /आई ई सी 61000-4-32: 2002 इलेक्ट्रोमैग्नेटिक कम्पैटिबिलिटी (ई एम सी) पार्ट 4 टेस्टिंग एंड मेजरमेंट टेक्नीक सेक्शन 32 हाई – एल्टीट्यूड इलेक्ट्रोमैग्नेटिक पल्स (एच ई एम पी) सिम्युलेटर सभागार
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14700 (Part 4/ Sec 35) : 2018/IEC 61000-4-35 : 2009 Electromagnetic Compatibility (EMC) Part 4 Testing and Measurement Techniques Section 35 HPEM Simulator Compendium	आई एस14700 (भाग 4 2सेक 35): 2018 /आई ई सी 61000-4-35: 2009 इलेक्ट्रोमैग्नेटिक कम्पैटिबिलिटी (ई एम सी) पार्ट 4 टेस्टिंग एंड मेजरमेंट टेक्नीक सेक्शन 35 एच पी ई एम सिम्युलेटर कंपेडियम
Date Of Establishment संशोधन की सख्या और तिथि	4 May 2018	4 मई 2018
No. and year of the amendment संशोधन की तिथि एवं वर्ष	NA	लागू नही
Date Of Cancellation रद्द होने की तिथि	NA	लागू नही

NEW ADDITIONS TO OUR SHELVES

The BIS' collection of standards literature is always being supplemented



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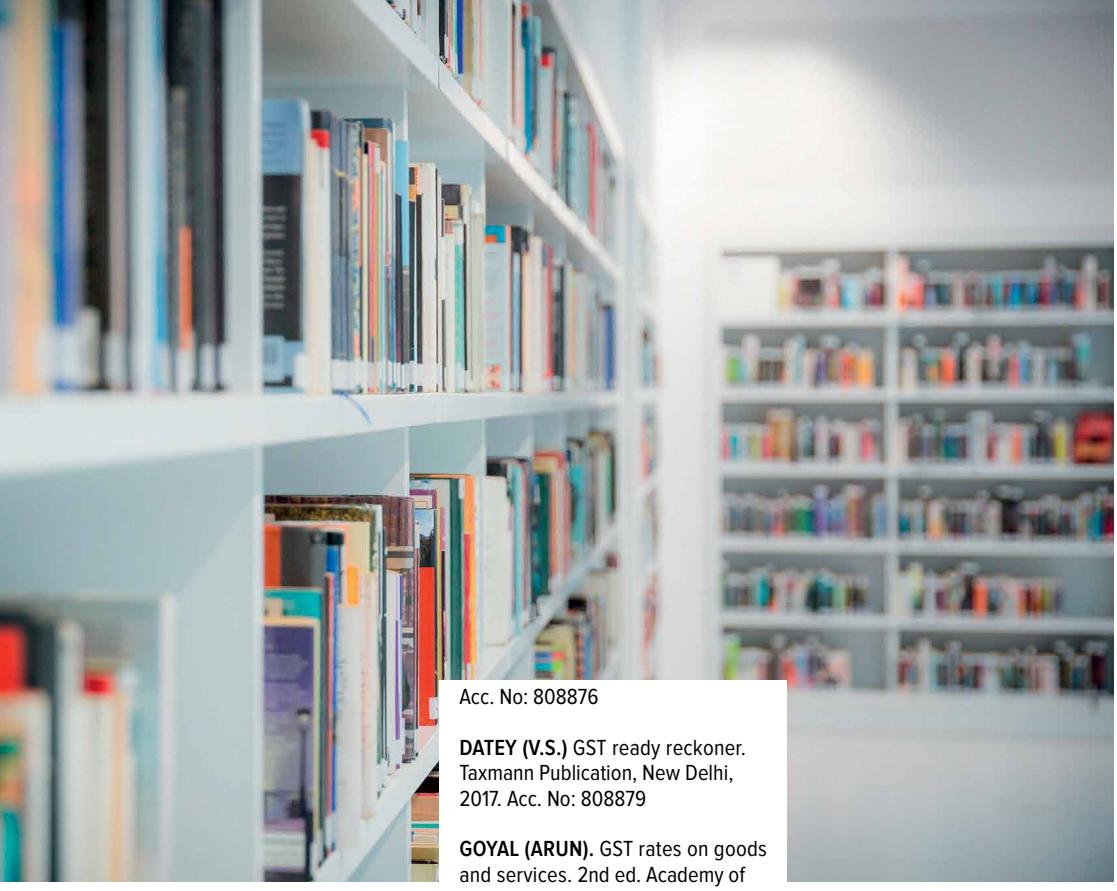

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NEWS THAT MATTERS

NITI AAYOG MEET ON ROPEWAY PROJECTS

NITI AAYOG MEET DISCUSSES THE IMPLEMENTATION OF ROPEWAY PROJECTS IN INDIA

A meeting on "Draft Model Concession Agreement" (MCA) on Public-Private Partnership (PPP) framework for implementing ropeway projects in India was organized by NITI Aayog (National Institute for Transforming India) on July 26, 2018, at New Delhi. Members of the Mechanical Engineering Department (MED) of the Bureau of Indian Standards (BIS) were part of the meeting. Discussions were held on MCA on PPP framework for implementing ropeway projects in India. Meanwhile, a workshop on 'cosmetics' was organized by the Central Drugs Standard Control Organization (CDSCO) on July 27, 2018 at New Delhi. The session was attended by the Petroleum, Coal and Related Products (PCD) Department of BIS. At the workshop, the speakers explained cosmetics regulatory frameworks of the EU and USA where a Cosmetic Product Notification System followed by market surveillance has been implemented. Whereas in India, a prior-registration system has been implemented which needs pre-screening.

A meeting with DDG (NIC) was organized by the National Informatics Centre (NIC) on July 30, 2018, in New Delhi. The meeting saw the participation of the Electronics & Information Technology Department of BIS in discussions on the public procurement policy of IT and office equipment. A meeting of the committee constituted to examine issues concerning Retirement Homes and Formulation of Model Regulation for Retirement Homes was organized by the Ministry of Housing and Urban Affairs (MoH&UA) on July 31, 2018, at New Delhi. The meeting was attended by the Chemical Engineering Department. The availability of provisions in the National Building Code of India 2016 on accessible built environment which can also be implemented for retirement homes was explained. Some of the members suggested that reference to the provisions relating to old age homes should also be covered in the proposed document.

NEED FOR STANDARDS

INDUSTRY MEET FOR PLASTICS, RUBBER AND RELATED PRODUCTS SECTOR DISCUSS THE NEED FOR STANDARDS

An industry meet for the Plastics, Rubber and Related Products Sector was held on August 20, 2018 at the BIS Headquarters in New Delhi. The meeting saw the participation of the Petroleum, Coal and Related Products Department (PCD) of BIS. During the interactive meet with the Plastics, Rubber and Related Products Industries, important suggestions were received. The association suggested that BIS can formulate Indian Standards on list of rubber compounding/ chemicals that are highlighted by the Indian Rubber Manufacturers Research Association.

An industry meet in the field of Mechanical Engineering was held on August 21, 2018 at the BIS headquarters, New Delhi. Officials from the Mechanical Engineering Department of BIS were part of this meet. Presentations were made by various industry associations. Based on the presentations, many suggestions on standardization, laboratory and certification for the products being dealt by BIS, were received. Meanwhile, an industry interaction for the Services Sector was organized on August 24, 2018 at the BIS, headquarters in New Delhi. The interaction saw the participation of the Management and Systems Department (MSD) of BIS as well. The objective of the session was to emphasize the emerging significance and current needs of the services sector. In the aftermath of this session, it was decided that BIS is shortly going to have a separate Division Council on Services that will form a separate committee in identified champion sectors.

INDUSTRY MEET

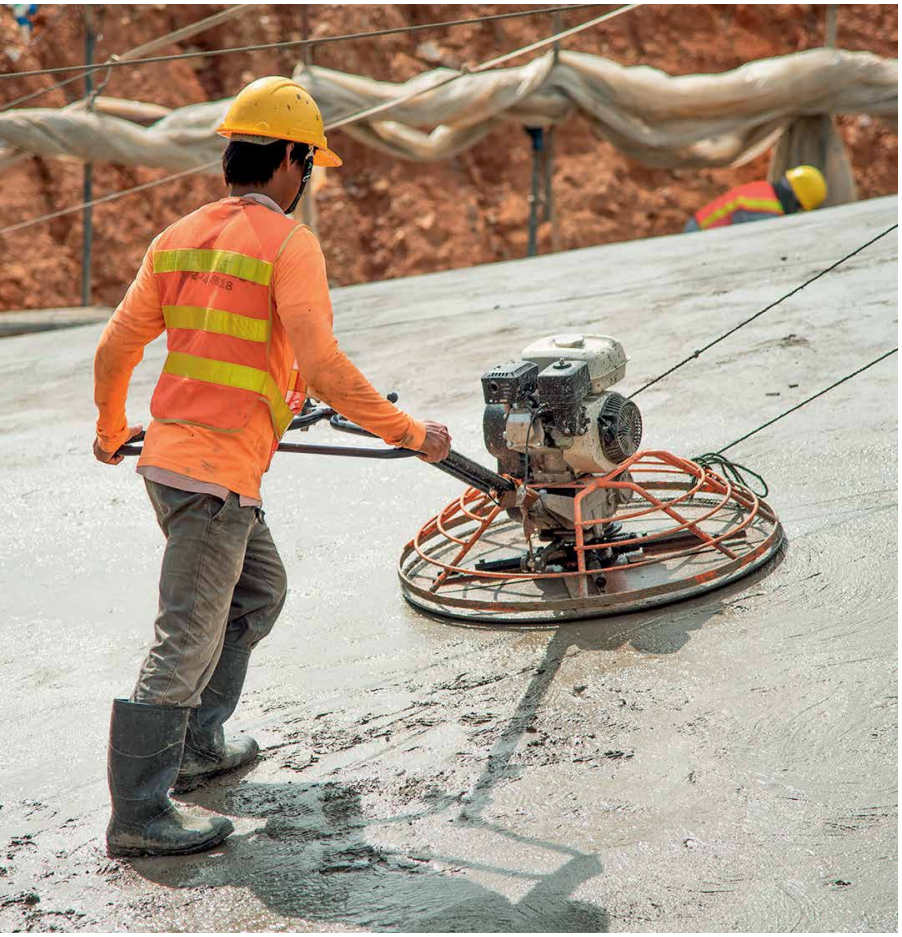
BIS HOSTS INDUSTRY MEET FOR PETROLEUM AND RELATED PRODUCTS SECTOR

BIS held an industry meet for Petroleum and Related Products Sector on August 3, 2018 at the Bureau of Indian Standards Headquarters, New Delhi. During the interactive meet with the Petroleum and Related Products Industry, that saw the attendance of the Petroleum, Coal and Related Products (PCD) Department of BIS, important suggestions were received a digital platform for the committee members in standards formulation.

ELECTRONICS & IT INDUSTRY MEET

ELECTRONICS & IT INDUSTRY SECTOR MEET SAW PRESENTATIONS ON STANDARDS SAFETY IN BUILDINGS

An industry meet for interaction in the electronics and IT sector was held on August 10, 2018, in New Delhi. During the interaction, presentations were made by Industry associations on the utilization of standards by the industry, benefits of standards to the industry, gaps and shortcomings in the standards and proposed corrective actions, and expectations of the industry from BIS. Discussions were also held on the emerging areas for future standardization.



AN INDUSTRIAL INTERACTION

INDUSTRIAL INTERACTION ON BUILDING AND CONSTRUCTION SECTOR STANDARDIZATION IN BIG DATA

The Bureau of Indian Standards (BIS) held an industrial interaction on Building and Construction Sector on August 7, 2018, at New Delhi. The interaction saw the participation of the Civil Engineering Department of BIS. The meet was organized with a view to obtain industry feedback on standards to be formulated, enhanced industry involvement in standards formulation and ways for effective implementation of standards in this sector. Meanwhile, BIS held an Industry Interaction with ASFI on August 9, 2018 at Mumbai, that was attended by the Textiles Department of BIS. At the meet, discussions were held on the issue of development of standard in the Man Made Fibre industry, which has assumed great importance in an increasingly globalized world.

NATIONAL WORKSHOP

BIS WAS PART OF A WORKSHOP ON THE NATIONAL BUILDING CODE OF INDIA 2016

A one-day workshop on the National Building Code of India 2016: Glass and Glazing Aspects was held on August 3, 2018 at Mumbai. The Bureau of Indian Standards (BIS) was represented by personnel from the Civil Engineering Department. The National Workshop on National Building Code of India; Glass and Glazing Aspects was organized jointly with the Glazing Society of India (GSI) and IIT Madras. Presentations were made on various chapters of the recently revised National Building Code of India 2016 with particular reference to structural safety and fire safety in the use of glass in buildings.

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