मानकः पथप्रदर्शकः

स्टैंडर्ड्स इंडिया
Standards India

Leather

MARKS OF TRUST

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Standard Mark

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BIS Mark | 22K916 For 22 Karat Jewellery | Assaying Centre's Identification Mark | Mark Of Jeweller

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BUREAU OF INDIAN STANDARDS

स्टैंडर्ड्स इंडिया
Standards India

Volume 34 Issue 03 | Aug-Sep '20 | ISSN 0970-2628

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What started as a means to protect man against the elements of nature—leather, now dominates the footwear, clothing and furnishings domain, thus becoming a significant part of our daily living. Technological advancements have led to innovation in the leather industry, even as use of chemicals and modern processing methods have enhanced the aesthetics and feel of leather and plausible applications.

This issue of *Standards India* focusses on the theme 'leather' and sustainable alternatives that are on the anvil. It is significant to point out that leather continues to be the 'material of choice', not just for commercial and residential furniture but for automotive, aviation and marine applications as well. Our Cover Story tells us that with emphasis having shifted to a globalized trading environment, leather and footwear standards have assumed the role of tools for building clarity. The feature throws light on the important standards developed by BIS in the domain of leather and footwear.

The issue also talks about how vegan leather shows promise, and how leather made from mushrooms may make their way to the world of sustainable fashion. The 'Consumer News' and 'Standards First' sections give you critical information related to standards. We trust you will find this issue packed with information, and we welcome your thoughts and ideas on **standardsindia@bis.gov.in.**

N. K. Kansara
Editor & Publisher

प्रकृति के तत्वों से मानव की रक्षा के एक साधन के रूप में जिसकी शुरुआत की गई, वही चमड़ा अब जूते, कपड़े एवं सज्जा के क्षेत्र में कारगर सिद्ध हो रहा है, तथा हमारे दैनिक जीवन का एक महत्वपूर्ण हिस्सा बन चुका है। न सिर्फ तकनीकी प्रगति ने चमड़ा उद्योग में नवीनता को बढ़ावा दिया है, बल्कि रसायनों तथा आधुनिक प्रसंस्करण विधियों के उपयोग ने चमड़े से बनी वस्तुओं को निखारा है और चमड़े द्वारा उत्पन्न अनुप्रयोगों की संभावनाओं को बढ़ाया है।

स्टैंडर्ड्स इंडिया के इस अंक का थीम चमड़ा और उन टिकाऊ विकल्पों पर केंद्रित है जिन पर काम शुरु हो चुका है। यह इंगित करना महत्वपूर्ण है कि चमड़ा न केवल वाणिज्यिक और आवासीय सज्जा के लिए, बल्कि मोटर वाहन, विमानन और समुद्री अनुप्रयोगों के लिए भी उपयोगी एवं 'पसंद की सामग्री' है। हमारी आवरण कथा हमें बताती है कि कैसे एक विश्वव्यापी कारोबारी माहौल में स्थानांतरित होने के साथ, चमड़े और जूते के मानकों ने स्पष्टता के निर्माण के लिए एक प्रकार से उपकरणों की भूमिका ग्रहण की है। यह लेख भा. मा. ब्यू. द्वारा विकसित चमड़ों और जूतों के संबंध में निर्धारित किए गए महत्वपूर्ण मानकों पर प्रकाश डालता है।

यह अंक इस बात पर भी चर्चा करता है कि कैसे शाकाहारी चमड़ा एक कामयाब विकल्प साबित हो रहा है, और कैसे मशरुम से बने चमड़े सतत फैशन की दुनिया में अपना स्थान ग्रहण कर सकते हैं।

हमेशा की तरह, इस अंक में भी 'उपभोक्ता समाचार' और 'मानक प्रथम' भाग आपको मानकों से संबंधित महत्वपूर्ण जानकारी दे रहें हैं। हमें विश्वास है कि आप इस अंक को जानकारी से भरा पाएंगे। आपके बहुमूल्य विचारों का हम **standardsindia@bis.gov.in** पर स्वागत करते हैं।

एन. के. कंसारा
संपादक एवं प्रकाशक

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RESILIENCE IS KEY

BUILDING RESILIENT CITIES WITH NEW INTERNATIONAL STANDARD

With a rapidly rising world population and growing urbanization, cities that want to survive need to adapt and prepare to ensure they are sustainable. Resilience is an important element as it means they can react most appropriately should unexpected events or stresses occur. But in order to build resilience, cities need to understand their risks, vulnerabilities and strengths so as to make informed decisions and measure the effects of actions taken.

ISO 37123 was developed with the involvement of the United Nations Office for Disaster Risk Reduction to ensure that it aligns with the Sendai Framework for Disaster Risk Reduction

Just published, ISO 37123, Sustainable cities and communities – Indicators for resilient cities, is the first International Standard that provides a set of indicators on resilience by which cities can measure where they stand. It complements other standards in the series on smart cities indicators that includes ISO 37120, Sustainable cities and communities – Indicators for city services and quality of life, and ISO 37122, Sustainable cities and communities – Indicators for smart cities.

Bernard Gindroz, Chair of the ISO technical committee responsible for the series, said climate change impacts, security risks and the effects of increasing populations means cities need to be as robust as possible. ISO 37123 was developed with the involvement of the United Nations Office for Disaster Risk Reduction (UNDRR) to ensure that it aligns with the Sendai Framework for Disaster Risk Reduction, a voluntary agreement by UN member states to work towards reducing disaster risk.

SUSTAINABLE CONSTRUCTION

TACKLING THE SUSTAINABILITY CHALLENGES IN CONSTRUCTION: STANDARD UPDATED

ISO 15392, Sustainability in buildings and civil engineering works – General principles, sets out internationally agreed and recognized principles for achieving sustainability in building and construction. It provides a common language for all stakeholders in the industry, from the designers and manufacturers to regulators and consumers, which can be used as a basis for communication and deriving evaluation criteria. The standard has just been updated to reflect changes in the industry and ensure it remains relevant for all users.

Philippe Osset, Chair of the ISO subcommittee that developed the standard, said that while concepts related to sustainability are complex and constantly evaluated, ISO 15392 can provide a basis upon which decisions and assessment criteria can be made.

ISO's International Standard for sustainability in the construction sector has just been updated. The sector has a huge role to play in making our world sustainable

Improvements to the new version include extra information on the general principles, application of the principles as they relate to the three pillars of sustainability, and the introduction of new concepts such as resilience. ISO 15392 was developed by ISO technical committee ISO/TC 59, Buildings and civil engineering works, subcommittee SC 17, Sustainability in buildings and civil engineering works.

WELDING IT RIGHT

INTERNATIONAL STANDARD FOR WELDING SYMBOLS NOW UPDATED

They may look like hieroglyphics to the untrained, but welding symbols are an essential communication tool in the manufacturing industry that allows welders to put things together accurately and efficiently. While symbols abound, two systems from Pacific Rim countries and Europe are the most widely used in technical drawings around the world.

ISO 2553, Welding and allied processes – Symbolic representation on drawings – Welded joints, combines both systems and is the key industry International Standard for welding symbols. It shows, on technical drawings, how and where welds are to be made, including information on topics such as geometry, manufacture, quality and testing of the welds. It provides for easy comparison between both the systems, where needed.

The fifth edition contains updates to align with other ISO welding standards and clarifies some issues such as plug welds in circular and elongated holes, dimensioning of joint preparations, and improvements to figures.

ISO 2553 was developed by technical committee ISO/TC 44, Welding and allied processes, subcommittee SC 7, Representation and terms, the secretariat of which is held by BSI, ISO's member for the UK.

RISK MANAGEMENT

REDUCING THE RISKS OF MEDICAL DEVICES: INTERNATIONAL GUIDANCE UPDATED

ISO 14971, Medical devices – Application of risk management to medical devices, specifies the terminology, principles and process for managing the risks associated with medical devices, including software as a medical device (SaMD) and in vitro diagnostic (IVD) medical products.

Primarily intended for medical device manufacturers, the ISO standard promotes the safety of devices and equipment used for medical purposes. It covers the risks of injury related to the health of patients, the operator and other persons, as well as potential damage to property, equipment and the environment. The standard was updated to better align with changes in medical device regulations around the world.

The ISO 14971 revision was aimed at clarifying the standard's technical requirements by including more detailed information on the steps manufacturers must take to meet those requirements. It also includes new and updated terminology to reflect the current market needs. The guidance has been moved to the standard's accompanying technical report ISO/TR 24971, Medical devices – Guidance on the application of ISO 14971, which was revised in parallel.

Virtually no medical procedure is without risk, but there are ways to minimize it. One such way is through applying sound risk management processes to medical devices. The International Standard to do just that has now been updated

Peter Linders, Chair of the ISO technical committee that developed the documents, said it is a manufacturer's responsibility to reduce the risks of medical devices. "ISO 14971 helps manufacturers to identify the hazards and estimate the risks associated with a medical device, enabling them to control those risks and monitor the effectiveness of the controls they put in place."

ISO 14971 was developed jointly by technical committees ISO/TC 2101), Quality management and corresponding general aspects for medical devices, and IEC/TC 62, Electrical equipment in medical practice, of the International Electrotechnical Commission (IEC), with the active involvement of many regulators from around the world.

ADDRESSING BIOSECURITY

IMPROVING BIOSECURITY WITH FIRST INTERNATIONAL STANDARD FOR BIORISK MANAGEMENT

SARS, pandemic viruses and threats of the malicious use of pathogens have all woken the world up to the risks of biological materials and the need for stringent, risk-proof ways of handling them. A biorisk management system is a key step towards that as it enables an organization to effectively identify, control and manage the biosafety or biosecurity risks related to its activities.

ISO 35001, Biorisk management for laboratories and other related organisations, is the first International Standard for a biorisk management system. It defines the requirements and guidance for laboratories or any other organization that works with biological agents to control and reduce any risks associated with their use.

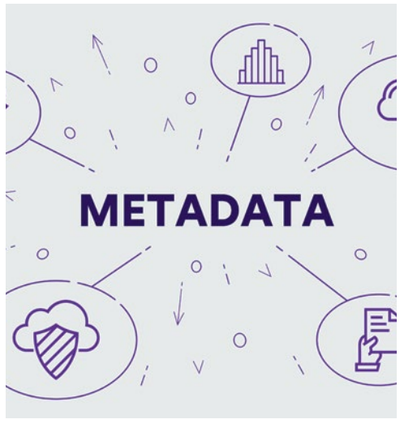
Effective risk management of biohazardous materials means a reduced chance of accidents, less impact on the environment and a more efficient use of time and other resources

Patty Olinger, Convenor of the working group that developed the standard, said that while there are a number of regional or national standards that help organizations manage their risks and meet regulatory requirements, ISO 35001 is the first that harmonizes them to deliver international best practice that is recognizable everywhere.

"ISO 35001 provides organizations and individuals with a roadmap of how to organize and systematically manage and structure their biological risk programmes," she adds.

"This is increasingly important to protect our global public health infrastructure as our world becomes more and more integrated."

ISO 35001 was developed by ISO technical committee ISO/TC 212, Clinical laboratory testing and in vitro diagnostic test systems, the secretariat of which is held by ANSI, ISO's member for the USA.



METADATA UPDATED

INTERNATIONAL STANDARD FOR DESCRIPTIVE METADATA STANDS UPDATED

The Dublin Core is a small set of elements or properties for the description of digital resources such as web pages. First developed in 1995 and maintained by the Dublin Core Metadata Initiative (DCMI), it is known as the worldwide common language for descriptive metadata on the Internet. ISO 15836-2, Information and documentation – The Dublin Core metadata element set – Part 2: DCMI Properties and classes, extends the original set of 15 core properties with 40 properties and 20 classes in order to improve the precision and expressiveness of descriptions in the Dublin Core. The additions focus on generic properties widely needed for basic interoperability across languages and disciplines.

The International Standard has just been revised to ensure the definitions of terms are up to date, and expand its scope to include all properties and classes from DCMI Metadata Terms. ISO 15836-2 complements ISO 15836-1, Information and documentation – The Dublin Core metadata element set – Part 1: Core elements, which contains the basic list of 15 core metadata elements for cross-domain resource description.

ISO 15836-2 was developed by ISO technical committee ISO/TC 46, Information and documentation, subcommittee SC 4, Technical interoperability, the secretariat of which is held by SFS, the ISO member for Finland.

News credits: ISO Focus

THE HUMAN CAPITAL

INTERNATIONAL GUIDANCE ON COMPETENCE MANAGEMENT UPDATED

In a rapidly changing and increasingly globalized world, most companies have a wealth of varied skills and experience within their workforce, representing a significant opportunity for personal and organizational growth. A competence management system allows an organization to capitalize on this talent and expertise in order to reduce risks, improve its capabilities and help meet its strategic objectives.

ISO 10015, Quality management – Guidelines for competence management and people development, helps organizations address issues related to competence management by taking a quality management approach. It has recently been revised and expanded to align it more closely with the ISO 9000 family of standards for quality management and provide greater support and clarification on the determination of competence needs.

Gustavo Pontoriero, Chair of the ISO subcommittee that developed the standard, said ISO 10015 is designed to support ISO 9001, Quality management systems – Requirements, and now offers clear and systematic processes for competence management and people development. ISO 10015 was developed by ISO technical committee ISO/TC 176, Quality management and quality assurance, subcommittee SC 3, Supporting technologies, the secretariat of which is held by NEN, ISO's member for the Netherlands.

Ensuring people have the right skills is a key element of an organization's success. A revised International Standard will help integrate competence management into its daily work

FOOD ISSUES

NEW GUIDANCE SET TO IMPROVE SOCIAL RESPONSIBILITY IN THE FOOD CHAIN

From ending hunger and obesity to protecting our natural resources, the food and agricultural industry has a huge role to play in the sustainable development of our world. ISO 26000 is an international reference document for social responsibility, providing best-practice guidance to help organizations operate in an ethical and transparent way that contributes directly to sustainable development. Now, a new technical specification for the agri-food industry offers sector-specific guidance on implementing social responsibility and, in particular, ISO 26000.

Social responsibility is not only good for business, it is everyone's business. New international guidance for the agri-food sector has just been published

ISO/TS 26030, Social responsibility and sustainable development – Guidance on using ISO 26000:2010 in the food chain, provides guidelines on how an organization in the food production chain can contribute to sustainable development while considering all local laws, regulations and stakeholder expectations.

It will help organizations such as food companies, farms, cooperatives, processors and retailers, regardless of their size or location, to develop a list of activities that will lead them to being more socially responsible. In addition, this ISO technical specification will help to harmonize the various approaches to sustainability in the sector at the international level, giving users a competitive edge.

ISO/TS 26030 is a food-sector application of ISO 26000, Guidance on social responsibility, ISO's flagship standard for social responsibility. It was developed by ISO technical committee ISO/TC 34, Food products, the secretariat of which is held by AFNOR, ISO's member for France.

BIS—THE GLORIOUS PAST

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1 Shri K. Kamraj, the then Chief Minister of Madras state at the All-India Industrial and Commercial Exhibition (1961) at the Island Grounds, Madras with Shri G.L.Gulati, Assistant Director, HBO. (centre) Shri M. A. Chidambaram, Chairman of the exhibition

2 Gujarat state conference held for implementation of Indian Standards in 1961. Dr. Jivraj N. Mehta, Chief Minister of Gujarat inaugurated the conference.

3 The Japanese delegation in discussions with Dr. A.N.Ghosh, Joint Director, ISI (1961).

4 Shri T.T. Krishnamachari visited ISI Manak Bhavan in June 1962.

5 GC meet held on March 19, 1962. Shri K.C. Reddy, Union Minister for Commerce & Industry & President, ISI being welcomed by Dr. Verman, Director ISI. Also seen are Shri Sir Ram and Shri E.Nadirshah, Vice President, ISI.

6 Sir Gordon Russel of UK at ISI on October 3, 1962 with Dr. A.N Ghosh Joint Director ISI.

7 Engineering Division Council (EDC 1) meeting held in 1960.

8 Executive Committee (EC) meeting held on March 20, 1962. Seen in the picture from left to right: Shri P. H. Ramanathan, Secretary; Shri Utsavbhai S. Parikh, State Minister of Agriculture; Shri Ram Suhag Singh, Union Minister of Agriculture and Dr. Lal C. Verman, the then Director, ISI.

9 Meat & Meat products Sectional Committee meeting held on December 3, 1960.

10 Visit of Shri Sena Nayak, Ceylon Minister for Commerce & Industry to ISI, in 1960. Dr. Lal C. Verman, Director, ISI is seen along with the dignitaries.

THE SUSTAINABLE ALTERNATIVE

Environment-friendly leather made from mushrooms is well on its way to mould the future of sustainable fashion

BY MITCHELL P. JONES

Leather alternatives produced from synthetic polymers fare better in terms of environmental sustainability and have achieved considerable market share in recent years

SEVEN MILLENNIA SINCE ITS INVENTION, LEATHER remains one of the most durable and versatile natural materials. However, some consumers question the ethical ramifications and environmental sustainability of wearing products sourced from animals.

This shift in social standards is the main reason we're seeing a wave of synthetic substitutes heading for the market. Leather alternatives produced from synthetic polymers fare better in terms of environmental sustainability and have achieved considerable market share in recent years.

But these materials face the same disposal issues as any synthetic plastic. So, the leather market has begun to look to other innovations. As strange as it might sound, the latest contender is the humble fungus.

HOW UNSUSTAINABLE IS ANIMAL LEATHER, ACTUALLY?

How sustainable leather is depends on how you look at it. As it uses animal skins, typically from cattle, leather production is correlated with animal farming, and involves toxic chemicals harmful to the environment.

The livestock sector's sustainability issues are well known. According to the United Nations Food and Agriculture Organisation, the sector is responsible for about 14 per cent of all greenhouse emissions from human activity. Cattle rearing alone represents about 65 per cent of those emissions.

Still, it's worth noting that the main product of cattle rearing is meat, not leather. Cowhides account for just 5-10 per cent of the market value of a cow and about seven percent of the animal's weight.

There's also no proven correlation between the demand for red meat and leather. So a reduction in the demand for leather may have no effect on the number of animals slaughtered for meat.

That said, leather tanning is still energy- and resource-intensive and produces a lot of sludge waste during processing. This gives leather a higher environmental impact than other minimally processed animal products such as blood, heads and organs (which can be sold as meat products or animal feed).

FROM SPORE TO MAT

Fungus-derived leather technologies were first patented by US companies MycoWorks and Ecovative Design about five years ago.

These technologies take advantage of the root-like structure of mushrooms, called mycelium, which contains the same polymer found in crab shells.

When mushroom roots are grown on sawdust or agricultural waste, they form a thick mat that can then be treated to resemble leather.

Because it's the roots and not the mushrooms being used, this natural biological process can be carried out anywhere. It does not require light, converts waste into useful materials and stores carbon by accumulating it in the growing fungus.

Going from a single spore to a finished 'fungi leather' (or 'mycelium leather') product takes a couple of weeks, compared with years required to raise a cow to maturity.

Mild acids, alcohols and dyes are typically used to modify the fungal material, which is then compressed, dried and embossed.

The process is quite simple and can be completed with minimal equipment and resources by artisans. It can also be industrially scaled for mass production. The final product looks and feels like animal leather and has similar durability.

MUSHROOM FOR PROGRESS

It's important to remember that despite years of development, this technology is still in its infancy. Traditional leather production has been refined to perfection over thousands of years.

There are bound to be some teething problems when adopting fungal leather. And despite its biodegradability and low-energy manufacturing, this product alone would not be enough to solve the sustainability crisis.

There are wider environmental concerns over animal farming and the proliferation of plastics—both of which are independent of leather production.

Nonetheless, using creativity to harness new technologies can only be a step in the right direction. As the world continues its gradual shift towards sustainable living,

Feature courtesy: theconversation.com/vegan-leather-made-from-mushrooms-could-mould-the-future-of-sustainable-fashion

perhaps seeing progress in one domain will inspire hope for others.

WILL I BE WEARING IT ANYTIME SOON?

Commercial products made with fungi-derived leather are expected to arrive in the market soon. So the real question is whether it will cost you an arm and a leg.

Prototypes were released last year in the US, Italy and Indonesia, in products including watches, purses, bags and shoes.

And, while these fundraiser items were a little pricey—with one designer bag selling for US$500—manufacturing cost estimates indicate the material could become economically competitive with traditional leather once manufactured on a larger scale.

The signs are promising. According to reports, MycoWorks raised US$17 million in venture capital in recent times.

Ultimately, there's no good reason why fungal leather alternatives can't eventually replace animal leather in many consumer products.

So next time you pass the mushrooms at the supermarket, make sure you acquaint yourself. You may be seeing a whole lot more of each other soon.

—Mitchell P. Jones is a Postdoctoral researcher at the Vienna University of Technology

GOING THE VEGAN WAY

With environmental and ethical issues at play, conventional leather may soon find a competitor. With alternative forms of leather showing fantastic results, there is a possibility that soon we may be growing our own vegan leather at home

BY ALICE PAYNE, DEAN BROUGH AND PETER MUSK

CONVENTIONAL leather is one of fashion's most ubiquitous materials—but it is fraught with ethical and environmental issues. We have been growing vegan leather from kombucha tea since 2014—and the results are promising.

Kombucha is a ferment made by adding a mixed symbiotic culture of bacteria and yeast, (known as SCOBY) to sweetened tea. The bacteria acquire nutrients from the yeast, and grow a protective mass of cellulose monofibres called a pellicle.

The pellicle (also called the mother) floats on the surface of the liquid, and will take the shape of its container. After a few weeks, when it has grown to a thickness of about 10mm, it can be harvested, washed (by hand or machine), oiled and air dried.

Kombucha leather can be grown with zero waste in tubs shaped as garment pattern pieces unlike the pattern making process for traditional leather, which typically wastes 15 to 20 per cent in the cutting

The material which results is a flexible, leathery sheet that can be cut, stitched, glued or woven. The pellicle dyes readily while still wet, and takes the shape of whatever supports it as it dries. Complex shapes can be formed by cutting the sheet into strips, and layering them over a form. As they dry, the wet strips fuse into a continuous sheet.

The technology of growing and using kombucha cellulose as vegan leather has been explored over the past few years through a collaboration between the Fashion department of Queensland University of Technology and scientists from The Edge, State Library of Queensland. They have trialled methods for preparation, treatment and manufacture of garments, shoes, jewellery and bags.

Just like animal-based leathers, our leather-like items such as shoes and bags require reinforcing and finishing to increase durability. Shoe styles vary from casual slip-ons to more conceptual designs with handmade wooden heels and soles.

We have experimented with waxing the vegan leather to increase water resistance, laminating it to increase overall strength and wearability, and painting it with acrylics to dramatically change its appearance and improve longevity.

As a naturally sustainable material, kombucha leather has many advantages. Unlike the pattern making process for traditional leather, which typically wastes 15 to 20 per cent in the cutting due

to garment pattern shapes, kombucha leather can be grown with zero waste, in tubs shaped as garment pattern pieces.

CAN IT WORK ON A LARGE SCALE?

But can kombucha be commercialized at a scale to be a viable vegan alternative to leather? There are two main barriers to overcome: the sweet but pungent aroma (familiar to any home brewer) and water absorption.

Like animal-based tanned leathers, kombucha leather is not waterproof. Rubbing in natural essential oils or beeswax as a sealant can address both scent and water resistance, although traces of the smell will remain.

The environmental ills of clothing production such as waste generation, chemical toxicity and energy intensity are rightly receiving increasing attention, and the search for sustainable materials is ramping up

These simple treatments make the material showerproof, but like leather, more work is required to make it truly impervious. Without a sealant, the kombucha could become sticky if worn in the rain. Full water resistance can be achieved if using acrylic or oil-based sealers, but then the material is no longer safely biodegradable.

However, commercialization in the mass-market sense is only one avenue to explore. Like many other potentially disruptive technologies, production of kombucha is decentralised, democratised and personal. It gives people the means to make their own leather products on a small-scale.

As a matter of fact, knowledge could be shared and grown across wide networks using available media, as parallel communities of tinkerers and makers connect. Free and open exchange of knowledge is a hallmark of these communities. Our project is only one of many such projects mushrooming globally—from trailblazer Suzanne Lee with her bio-couture jackets, to Sacha Laurin with her runway creations in California, to the ScobyTec start-up in Germany with

Feature courtesy: theconversation.com/will-we-soon-be- growing-our-own-vegan-leather-at-home

prototype biker jackets incorporating wearable technology.

Looking at the future, kombucha cellulose may play a role as a mass-market alternative to leather. From the beginning of our project, sustainability and waste minimisation have been a priority. So treatments using artificial agents have been largely avoided.

The environmental ills of clothing production such as waste generation, chemical toxicity and energy intensity are rightly receiving increasing attention, and the search for sustainable materials is ramping up.

The world's largest apparel brands are developing innovations in circular production methods, in which materials can be closed loop recycled, formed from pre- or post-consumer waste, or safely biodegraded at end-of-life—see PUMA's cradle to cradle sneakers or Nike's utilization of waste.

In addition, developing biotextiles has become fashionable, with novel biodegradable materials developed from waste pineapple leaf fibres (Piñatex™) and fungi, and textile dyes from algae garnering likes and shares on social media.

For now, kombucha growing provides local, individual makers with sustainable materials—and allows them to tap into the knowledge of a networked global community. This suggests a parallel fashion future in which makers grow their own garments, sharing the SCOBY locally, but ideas and instructions globally.

—Alice Payne is a Lecturer in Fashion, Queensland University of Technology; Dean Brough is Senior Fashion Studio Lecturer, Queensland University of Technology; and Peter Musk is Program Officer, Science Catalyst at The Edge, State Library of Queensland

LEATHER AND FOOTWEAR

With globalised trading environment being the order of the day, leather and footwear standards have assumed the role of tools for building clarity while becoming synonymous with quality, safety and assurance

BY PREETI PRABHA

LEATHER is a durable and flexible material created by tanning animal rawhide and skins. One of the most common raw material is cattle hide. It can be produced at manufacturing scales ranging from artisan to modern industrial scale.

Leather is one of man's earliest and most useful discoveries. Our ancestors used leather to protect themselves from the elements. Primitive man hunted wild animals for food, then made clothing, footwear and crude tents from the hides. Like then, hides used today are a by-product. Roughly half of all leather produced today is used to make shoes, and about 25 per cent for clothing. Upholstery demands only around 15 per cent of the total product.

Modern technology has allowed for innovation in the leather industry, as the development of chemicals and sophisticated processing methods have greatly expanded the aesthetics and feel of leather as well as the possible applications. Leather continues to be the material of choice, not just for commercial and residential furniture but for automotive, aviation and marine applications as well. Other than this, footwear is a product of prime importance that is produced from leather and is gaining popularity in the recent era.

Leather and footwear standards have interwoven themselves into our lives so intricately that we cannot imagine a world without them. With emphasis being shifted to a globalized trading environment from '80s through the present times, leather and footwear standards have taken the role of tools for building clarity which encompass reliability, interoperability, enhanced efficiency and builds mutual understanding. Standards have thus become synonymous with quality, safety and assurance.

Leather and Footwear standards encompass reliability, interoperability, enhanced efficiency and build mutual understanding in such a way that we cannot imagine a world without standards

There are in all 155 published standards in CHD 17 Leather, Tanning Materials and Allied Products Sectional Committee and 14 standards are under development. Out of these, 43 standards are related to Methods of Test and three are based on Code of Practices. Likewise, there are 85 published standards in CHD 19 Footwear sectional committee and 22 standards are under development. Out of these, 26 standards are related to Methods of Test and three are based on the Code of Practices. Some of the important Indian standards developed by the BIS on leather and footwear include:

■ **IS 3976:2018 Safety Rubber Canvas Boots for Miners — Specification** This standard prescribes requirements and method of sampling and test for safety rubber canvas boots with steel toe cap for protection of miners.

Safety rubber canvas boots for miners are used by workers engaged in underground mining of coal, mica, silica, clay, stone and other minerals, and also in other mining operations. Workers engaged in wet condition, sometimes face problem of upper fabric being weakened due to continuous use in contact with water.

■ **IS 15298 (Part 2): 2016 Personal Protective Equipment Part 2 Safety Footwear** This standard specifies basic and additional (optional) requirements for protective footwear used for general purpose. It includes, for example, mechanical risks, slip resistance, thermal risks, ergonomic behaviour. Special risks are covered by complementary job-related standards (e.g., footwear for firefighters, electrical insulating footwear, protection against chain saw injuries, protection against chemicals and molten metal splash, protection for motor cycle riders).

■ **IS 3976: 2018 Safety Rubber Canvas Boots for Miners — Specification** This

There are in all 155 published standards in CHD 17 Leather, Tanning Materials and Allied Products Sectional Committee and 14 standards are under development. Out of these, 43 standards are related to Methods of Test and three are based on Code of Practices

standard prescribes requirements and method of sampling and test for safety rubber canvas boots with steel toe cap for protection of miners. Safety rubber canvas boots for miners are used by workers engaged in underground mining of coal, mica, silica, clay, stone and other minerals and also in other mining operations. Workers engaged in wet condition, sometimes face problem of upper fabric being weakened due to continuous use in contact with water. To address these problems, this standard has been formulated.

■ **1S 11264 – 1985 Code of Practice for Manufacture of Safety Rubber Canvas Footwear for Miners** This standard recommends code of practice for the manufacture of safety rubber canvas footwear for miners. This code of practice has been prepared in order to assist the manufacturers to overcome the practical difficulties faced by them to manufacture safety rubber canvas boots for miners conforming to IS: 3976-1982. It will also help in assisting the purchasing authorities in getting boots of acceptable quality.

■ **IS 582 (Part 8): 2018 Methods of Chemical Testing of Leather Part 8 Determination of the Preservative (Tcmtb, Pcmc, Opp, Oit) Content in Leather by Liquid Chromatography** This international standard specifies a test method for the determination of the content of the following preservative agents: 2-(thiocyanomethylthio)-benzothiazole (TCMTB); 4-chloro-3-methylphenol (PCMC); 2-phenylphenol (OPP); 2-octylisothiazol-3(2H)-one (OIT); in leather by liquid chromatography. Preservative agents are necessary to protect leather from microbiological attack.

■ **IS 6357: 2013 Sulphated Oil for Leather Fatliquoring — Specification** This standard prescribes the requirements, methods of sampling and test for sulphated oils used in the leather industry for fatliquoring. Sulphated oils are used in fatliquoring operation during tanning to provide flexibility to the leather. Fatliquors are generally prepared with sulphated oils, raw oils and other additives. This standard covers only sulphated oils of marine and vegetable origin exclusive of any further additives or blends of fatliquors made thereof.

■ **IS 6191 (Part 5): 2018 Methods of Micro-Biological, Colour Fastness and Microscopical Tests for Leather PART 5 Test for Adhesion of Finish** This standard specifies a method for measuring the adhesion of the finish to leather or the adhesion between two adjacent layers of the finish. The method is valid for all finished leathers with a smooth surface that can be bonded to an adherent-plate without the adhesive penetrating into the finish. Preliminary experiments might be necessary to determine whether these conditions are met. This test method is valid for finished leathers with a finish-coat thickness of at least 15µm.

■ **IS: 7721 - 1986 Specification for Chrome Tanned Leather Laces for Heavy Duty Footwear** This standard prescribes the requirements and methods of sampling and test for leather laces for heavy duty footwear. Laces for heavy duty footwear are made from chrome tanned plain grain and black leather, and are intended to be used in ankle boots.

■ **IS 1015:2000 Leather pump buckets and seat valves made from vegetable tanned leather - Specification** The standard prescribes the requirements and methods of sampling and test for leather pump buckets and seat valves made from vegetable tanned leather for use in water systems at normal temperature.

Increasing use of hydraulic appliances

involving the use of oil and water pumps has necessitated the use of leather pump buckets to ensure the efficiency of such pumps. Vegetable tanned leather pump buckets are processed by currying the vegetable tanned hydraulic leather. The leathers are then moulded into shape by dipping into a bath of molten wax and then pressing the hot impregnated leather into the shape and form required. The seat valves are also treated with wax in the similar manner and then die-cut to the required shape and dimension.

■ **IS: 8699 – 1977 Specification for Pvc Coated Fabrics for Footwear Industry** This standard prescribes the requirements, methods of sampling and test for PVC coated fabrics for footwear industry coated on woven (grey or dyed) fabrics. These coated fabrics may be in plain, embossed, printed or in any other surface finish.

In pre-war days, nitrocellulose and linseed oil coatings on woven fabrics were used for shoe upper but they were not so satisfactory because of poor flex-resistance. Then by stages came solid PVC coatings; expanded vinyl coated fabrics and polyurethanes; microporous vinyl fabrics; synthetic fabrics and laminates. At present in India, only PVC coated fabrics (either solid or expanded coating) are being used in footwear industries. These materials are being used for upper and lining for certain type of shoes and *chappals*, for socks or cover materials for insoles, etc.

PVC coated fabrics consist of PVC polymer/co-polymer composition which is either calendared and then laminated or is spread on to dyed/ undyed textile material. Non-expanded PVC coated fabrics are manufactured by applying to one side of a woven cloth a substantially continuous solid coating of suitably plasticized, stabilized and pigmented polymer of vinyl chloride or a copolymer the major constituent of which is vinyl chloride or a combination of both.

■ **IS 15196:2002 Plastic Footwear Lasts —Specification** This standard prescribes requirements, and methods of sampling and test for plastic lasts for use in footwear industry. For plastic lasts, generally a blend of high-density polyethylene (HDPE) and low-density polyethylene (LDPE) is used but many uses only HDPE for this purpose. The objective is to make the lasts able to withstand the effects of temperature, pressure and chemicals used in making shoes on machine.

There are 85 published standards in CHD 19 Footwear Sectional Committee and 22 standards are under development. Out of these, 26 standards are related to Methods of Test and three are based on the Code of Practices

■ **IS 17098: 2019 Footwear — Test Methods for Accessories: Metallic Accessories — Corrosion Resistance** This document specifies two methods for determining the propensity of a metal surface to either change visually due to contamination by atmospheric pollution (Method 1: sulphide tarnishing), or to corrode due to the action of salt water (Method 2: salt water corrosion). The document also describes the principle, reagents, apparatus and procedure for these methods.

■ **IS 579: 2017 Vegetable Tanned Sole Leather — Specification** This standard prescribes requirements and the methods of sampling and tests for vegetable tanned sole leather, including those which have been specially treated for water-resistance property.

Vegetable tanned sole leather is used in different types of footwear. Inspite of development of other alternate synthetic soling materials, which are being used by the industry in bulk, leather as soling material is still being used extensively in footwear specially for certain specific purposes. The leather soles of footwear with poor water resistance wet the user's feet when he walks for a long time on a wet surface and make the footwear unusable.

The vegetable tanned leather which absorbs water readily, loses its shape and wears out quickly. Indian sole leather is produced from buffalo hides, whereas continental sole leather is produced from ox hides. The texture of the fibres of buffalo hides is less compact than that of the ox hides. Because of the increasing use of synthetic soles which are more water resistant, the leather soles started becoming unpopular and therefore it became necessary, to produce water-resistant vegetable tanned soles.

■ **IS 11226:1993 Leather safety footwear having direct moulded rubber sole specification** This standard prescribes the requirements, method of sampling and tests for leather safety footwear having steel toe caps and direct moulded rubber soles.

The safety footwear mentioned in the standard are manufactured either by direct vulcanizing or by direct moulding process, and is known as having direct moulded rubber sole. As the name indicates, when vulcanization/moulding process is over and footwear is taken out from the machine, the solidified sole material adheres firmly to the footwear bottom. Three designs, namely, ankle boots, Jodhpuri shoes and derby shoes fitted with protective steel toe caps have been incorporated in the standard.

■ **IS 14544: 1998 Leather Safety Footwear with Direct Moulded Polyvinyl Chloride (PVC) Sole – Specification** This standard prescribes requirements, methods of sampling and tests for leather safety footwear having steel toe caps and with direct moulded soles of PVC as primary raw material. Safety boots and shoes with direct moulded (PVC) soles are used by various industries including oil fields for providing safety to the workers engaged therein. Such footwear with direct moulded soles is manufactured, as the name indicates, by the direct moulding process. When the moulding process is over and the footwear is taken out from the machine, the solidified sole material adheres firmly to the leather upper of the footwear.

—The writer is Scientist-C in the Chemical Department (CHD), BIS

LEATHER STANDARDS

THE GROWTH IN INTERNATIONAL TRADE IN LEATHER AND LEATHER PRODUCTS CALLS FOR THE ESTABLISHMENT OF MORE DEFINITE LEVELS OF PERFORMANCE SO THAT THE REPUTATION FOR QUALITY IS PROTECTED AND DEVELOPING COUNTRIES ENTERING THE TRADE MAKE FULL USE OF THE TECHNOLOGY AVAILABLE.

TWO INTERNATIONAL organizations deal with leather testing: The International Organization for Standardization (ISO) and the International Union of Leather Technologists and Chemists Societies (IULTCS). IULTCS, originally formed in 1897, is a world-wide organization of professional leather societies to further the advancement of leather science and technology. IULTCS has three Commissions, which are responsible for establishing international methods for the sampling and testing of leather. ISO recognizes IULTCS as an international standardizing body for the preparation of test methods for leather.

ISO 4045:2018 [IULTCS/IUC 11]

Leather — Chemical tests — Determination of pH and difference figure

SCOPE

This document specifies a method for determining the pH value and the difference figure of an aqueous leather extract. It is applicable to all types of leather.

NORMATIVE REFERENCES

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

- **ISO 2418,** *Leather — Chemical, physical and mechanical and fastness tests — Sampling location*
- **ISO 3696,** *Water for analytical laboratory use — Specification and test methods*
- **ISO 4044,** *Leather — Chemical tests — Preparation of chemical test samples*

In May 2018, the International Organization for Standardization (ISO) published the standard of ISO 4045:20181. It is a testing method to evaluate the pH value of an aqueous leather extract. This testing method is applicable to all types of leather. The pH value is a measurement of acidity or alkalinity of a solution or a material. Highly acidic or alkaline leather sample may cause skin allergy reaction. The pH value testing has been an industry norm for leather products e.g., apparel and footwear. The technical changes of the latest standard are minor but the updated standard gives more clarify in testing procedures. Please refer to the highlights of changes in the new version.

TABLE A: HIGHLIGHTS OF THE KEY CHANGE BASED ON ISO 4045:2018

SECTION	MODIFICATION
Title of the standard	The “difference figure” is included in the standard title. The amendment of the title gives more clarity of the testing method.
Update of reagents and Apparatus (Clauses 5.1 and 6.1)	• Water quality is specified as “minimum grade 3” rather than “Grade 3” in the previous version. • Rotating shaker or other suitable shaker after validation is now suggested as apparatus.
Sample preparation (Clause 8)	More details are given to explain the procedure e.g., standardization of the pH meter
Determination of the difference figure (Clause 8.4)	Further elaboration is given to determine the difference figure

ISO 10195:2018 [IULTCS/IUC 41]

Leather — Chemical determination of chromium (VI) content in leather — Thermal pre-ageing of leather and determination of hexavalent chromium

INTRODUCTION

More than 80 per cent of leather is tanned using chromium (III) salts. The industry recommends manufacturing procedures to avoid oxidative conditions that could allow the formation of traces of hexavalent chromium [chromium (VI)] in the leather. It is difficult to reproduce the natural ageing process. Therefore, in order to predict the tendency for trace levels of hexavalent chromium to develop in chromium (III) tanned leather, a significant number of pre-ageing tests have been proposed, some of which are being used in commercial leather specifications.

SCOPE

This document specifies a thermal pre-ageing procedure for leather to obtain indications about the tendency to the formation of hexavalent chromium under specified conditions and the determination of hexavalent chromium according to ISO 17075-1 or ISO 17075-2. This thermal pre-ageing procedure does not simulate any real condition in leather production or use. It is applicable to all types of chromium tanned leather.

NORMATIVE REFERENCES

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

- **ISO 2418,** *Leather — Chemical, physical and mechanical and fastness tests — Sampling location*
- **ISO 4044:2017,** *Leather — Chemical tests — Preparation of chemical test samples*
- **ISO 17075-1:2017,** *Leather — Chemical determination of chromium (VI) content in leather — Part 1: Colorimetric method*
- **ISO 17075-2:2017,** *Leather — Chemical determination of chromium (VI) content in leather — Part 2: Chromatographic method.*

ISO have recently announced a new standard for chromium VI (chrome VI/Cr6) heat ageing in leather (ISO 10195:2018). This new standard applies to organizations who manufacture leather and leather goods and has been published for the thermal pre-ageing procedure which assesses the ability for chrome VI to form within the leather (“chrome VI heat ageing test”).

THERMAL PRE-AGING PROCEDURE BASED ON THE END USE OF LEATHER

This new international chrome VI thermal pre-ageing procedure does not simulate any real condition in leather production or use and is applicable to all types of chromium tanned leather.

The standard is used to test leather samples against two sets of conditions which are given as options depending on the end use of the leather:

METHODS	CONDITIONS	RECOMMENDED USE
A1	24 hours at 60 ±2 °C and relative humidity less than 20 per cent	General purpose ageing for leathers not subjected to critical conditions in manufacturing and/or transportation (gloves, garments, leather goods, handmade or fashion articles)
A2	24 hours at 80 ±2 °C and relative humidity less than 10 per cent	Ageing for leathers subjected to critical conditions in manufacturing and/or transportation (footwear, automotive, upholstery)

IULTCS has three Commissions, which are responsible for establishing international methods for the sampling and testing of leather

TECHNICAL BARRIERS TO TRADE: STANDARDS

Principles for the Development of International Standards, Guides and Recommendations

THE "SIX PRINCIPLES" were agreed upon by the TBT (Technical Barriers to Trade) Committee in 2000 with a view to guiding members in the development of international standards.

Decision of the Committee on principles for the development of International standards, guides and recommendations with relation to Articles 2, 5 and Annex 3 of the agreement.

The following principles and procedures should be observed, when international standards, guides and recommendations (as mentioned under Articles 2, 5 and Annex 3 of the TBT Agreement for the preparation of mandatory technical regulations, conformity assessment procedures and voluntary standards) are elaborated, to ensure transparency, openness, impartiality and consensus, effectiveness and relevance, coherence, and to address the concerns of developing countries.

The same principles should also be observed when technical work or a part of the international standard development is delegated under agreements or contracts by international standardizing bodies to other relevant organizations, including regional bodies.

1. TRANSPARENCY

All essential information regarding current work programmes, as well as on proposals for standards, guides and recommendations under consideration and on the final results should be made easily accessible to at least all interested parties in the territories of at least all WTO members. Procedures should be established so that adequate time and opportunities are provided for written comments. The information on these procedures should be effectively disseminated.

In providing the essential information, the transparency procedures should, at a minimum, include:

• The publication of a notice at an early appropriate stage, in such a manner as to enable interested parties to become

The impartiality and openness of any international standardization process requires that developing countries are not excluded de facto from the process

AGREEMENT ON TECHNICAL BARRIERS TO TRADE TECHNICAL REGULATIONS AND STANDARDS

Article 2: Preparation, Adoption and Application of Technical Regulations by Central Government Bodies

With respect to their central government bodies:

2.1 Members shall ensure that in respect of technical regulations, products imported from the territory of any member shall be accorded treatment no less favourable than that accorded to like products of national origin and to like products originating in any other country.

2.2 Members shall ensure that technical regulations are not prepared, adopted or applied with a view to or with the effect of creating unnecessary obstacles to international trade. For this purpose, technical regulations shall not be more trade-restrictive than necessary to fulfil a legitimate objective, taking account of the risks non-fulfilment would create. Such legitimate objectives are inter alia: national security requirements; the prevention of deceptive practices; protection of human health or safety, animal or plant life or health, or the environment. In assessing such risks, relevant elements of consideration are inter alia: available scientific and technical information, related processing technology or intended end-uses of products.

2.3 Technical regulations shall not be maintained if the circumstances or objectives giving rise to their adoption no longer exist, or if the changed circumstances or objectives can be addressed in a less trade-restrictive manner.

2.4 Where technical regulations are required and relevant international standards exist or their completion is imminent, members shall use them, or the relevant parts of them, as a basis for their technical regulations except when such international standards or relevant parts would be an ineffective or inappropriate means for the fulfilment of the legitimate objectives pursued, for instance, because of fundamental climatic or geographical factors or on account of fundamental technological problems.

2.5 A member preparing, adopting or applying a technical regulation which may have a significant effect on trade of other members shall, upon the request of another member, explain the justification for that technical regulation in terms of the provisions of paragraphs 2 to 4. Whenever a technical regulation is prepared, adopted or applied for one of the legitimate objectives explicitly mentioned in paragraph 2, and is in accordance with relevant international standards, it shall be rebuttably presumed not to create an unnecessary obstacle to international trade.

2.6 With a view to harmonizing technical regulations on as wide a basis as possible, members shall play a full part, within the limits of their resources, in the preparation by appropriate international standardizing bodies of international standards for products for which they either have adopted, or expect to adopt, technical regulations.

2.7 Members shall give positive consideration to accepting as equivalent technical regulations of other members, even if these regulations differ from their own, provided they are satisfied that these regulations adequately fulfil the objectives of their own regulations.

2.8 Wherever appropriate, members shall specify technical regulations based on product requirements in terms of performance rather than design or descriptive characteristics.

2.9 Whenever a relevant international standard does not exist or the technical content of a proposed technical regulation is not in accordance with the technical content of relevant international standards, and if the technical regulation may have a significant effect on trade of other members, members shall:

2.9.1 Publish a notice in a publication at an early appropriate stage, in such a manner as to enable interested parties in other members to become acquainted with it, that they propose to introduce a particular technical regulation;

2.9.2 Notify other members through the Secretariat of the products to be covered by the proposed technical regulation, together with a brief indication of its objective and rationale. Such notifications shall take place at an early appropriate stage, when amendments can still be introduced and comments taken into account;

2.9.3 Upon request, provide to other members particulars or copies of the proposed technical regulation and, whenever possible, identify the parts which in substance deviate from relevant international standards;

2.9.4 Without discrimination, allow reasonable time for other members to make comments in writing, discuss these comments upon request, and take these written comments and the results of these discussions into account.

2.10 Subject to the provisions in the lead-in to paragraph 9, where urgent problems of safety, health, environmental protection or national security arise or threaten to arise for a member, that member may omit such of the steps enumerated in paragraph 9 as it finds necessary, provided that the member, upon adoption of a technical regulation, shall:

2.10.1 Notify immediately other members through the Secretariat of the particular technical regulation and the products covered, with a brief indication of the objective and the rationale of the technical regulation, including the nature of the urgent problems;

2.10.2 Upon request, provide other members with copies of the technical regulation;

2.10.3 Without discrimination, allow other members to present their comments in writing, discuss these comments upon request, and take these written comments and the results of these discussions into account.

2.11 Members shall ensure that all technical regulations which have been adopted are published promptly or otherwise made available in such a manner as to enable interested parties in other members to become acquainted with them.

2.12 Except in those urgent circumstances referred to in paragraph 10, members shall allow a reasonable interval between the publication of technical regulations and their entry into force in order to allow time for producers in exporting members, and particularly in developing country members, to adapt their products or methods of production to the requirements of the importing member.

acquainted with it, that the international standardizing body proposes to develop a particular standard;

- The notification or other communication through established mechanisms to members of the international standardizing body, providing a brief description of the scope of the draft standard, including its objective and rationale. Such communications shall take place at an early appropriate stage, when amendments can still be introduced and comments taken into account;
- Upon request, the prompt provision to members of the international standardizing body of the text of the draft standard;
- The provision of an adequate period of time for interested parties in the territory of at least all members of the international standardizing body to make comments in writing and take these written comments into account in the further consideration of the standard;
- The prompt publication of a standard upon adoption; and
- To publish periodically a work programme containing information on the standards currently being prepared and adopted.

It is recognized that the publication and communication of notices, notifications, draft standards, comments, adopted standards or work programmes electronically, via the Internet, where feasible, can provide a useful means of ensuring the timely provision of information. At the same time, it is also recognized that the requisite technical means may not be available in some cases, particularly with regard to developing countries. Accordingly, it is important that procedures are in place to enable hard copies of such documents to be made available upon request.

> Membership of an international standardizing body should be open on a non-discriminatory basis to relevant bodies of at least all WTO members

2. OPENNESS

Membership of an international standardizing body should be open on a non-discriminatory basis to relevant bodies of at least all WTO members. This would include openness without

discrimination with respect to the participation at the policy development level and at every stage of standards development, such as the:

- Proposal and acceptance of new work items;
- Technical discussion on proposals;
- Submission of comments on drafts in order that they can be taken into account;
- Reviewing existing standards;
- Voting and adoption of standards; and

- Dissemination of the adopted standards.

Any interested member of the international standardizing body, including especially developing country members, with an interest in a specific standardization activity should be provided with meaningful opportunities to participate at all stages of standard development. It is noted that with respect to standardizing bodies within the territory of a WTO member that have accepted the Code of Good Practice for the Preparation, Adoption and Application of Standards by Standardizing Bodies (Annex 3 of the TBT Agreement) participation in a particular international standardization activity takes place, wherever possible, through one delegation representing all standardizing bodies in the territory that have adopted, or expected to adopt, standards for the subject-matter to which the international standardization

CONFORMITY WITH TECHNICAL REGULATIONS AND STANDARDS

Article 5: Procedures for Assessment of Conformity by Central Government Bodies

5.1 Members shall ensure that, in cases where a positive assurance of conformity with technical regulations or standards is required, their central government bodies apply the following provisions to products originating in the territories of other members:

5.1.1 Conformity assessment procedures are prepared, adopted and applied so as to grant access for suppliers of like products originating in the territories of other members under conditions no less favourable than those accorded to suppliers of like products of national origin or originating in any other country, in a comparable situation; access entails suppliers' right to an assessment of conformity under the rules of the procedure, including, when foreseen by this procedure, the possibility to have conformity assessment activities undertaken at the site of facilities and to receive the mark of the system;

5.1.2 Conformity assessment procedures are not prepared, adopted or applied with a view to or with the effect of creating unnecessary obstacles to international trade. This means, inter alia, that conformity assessment procedures shall not be strict or be applied more strictly than is necessary to give the importing member adequate confidence that products conform with the applicable technical regulations or standards, taking account of the risks non-conformity would create.

5.2 When implementing the provisions of paragraph 1, members shall ensure that:

5.2.1 Conformity assessment procedures are undertaken and completed expeditiously and in a no less favourable order for products originating in the territories of other members than for like domestic products;

5.2.2 The standard processing period of each conformity assessment procedure is published or that the anticipated processing period is communicated to the applicant upon request; when receiving an application, the competent body promptly examines the completeness of the documentation and informs the applicant in a precise and complete manner of all deficiencies; the competent body transmits as soon as possible the results of the assessment in a precise and complete manner to the applicant so that corrective action may be taken if necessary; even when the application has deficiencies, the competent body proceeds as far as practicable with the conformity assessment if the applicant so requests; and that, upon request, the applicant is informed of the stage of the procedure, with any delay being explained;

5.2.3 Information requirements are limited to what is necessary to assess conformity and determine fees;

5.2.4 The confidentiality of information about products originating in the territories of other members arising from or supplied in connection with such conformity assessment procedures is respected in the same way as for domestic products and in such a manner that legitimate commercial interests are protected;

5.2.5 Any fees imposed for assessing the conformity of products originating in the territories of other members are equitable in relation to any fees chargeable for assessing the conformity of like products of national origin or originating in any other country, taking into account communication, transportation and other costs arising from differences between location of facilities of the applicant and the conformity assessment body;

5.2.6 The siting of facilities used in conformity assessment procedures and the selection of samples are not such as to cause unnecessary inconvenience to applicants or their agents;

5.2.7 Whenever specifications of a product are changed subsequent to the determination of its conformity to the applicable technical regulations or standards, the conformity assessment procedure for the modified product is limited to what is necessary to determine whether adequate confidence exists that the product still meets the technical regulations or standards concerned;

5.2.8 A procedure exists to review complaints concerning the operation of a conformity assessment procedure and to take corrective action when a complaint is justified.

5.3 Nothing in paragraphs 1 and 2 shall prevent members from carrying out reasonable spot checks within their territories.

5.4 In cases where a positive assurance is required that products conform with technical regulations or standards, and relevant guides or recommendations issued by international standardizing bodies exist or their completion is imminent, members shall ensure that central government bodies use them, or the relevant parts of them, as a basis for their conformity assessment procedures, except where, as duly explained upon request, such guides or recommendations or relevant parts are inappropriate for the members concerned, for, inter alia, such reasons as: national security requirements; the prevention of deceptive practices; protection of human health or safety, animal or plant life or health, or the environment; fundamental climatic or other geographical factors; fundamental technological or infrastructural problems.

5.5 With a view to harmonizing conformity assessment procedures on as wide a basis as possible, members shall play a full part, within the limits of their resources, in the preparation by appropriate international standardizing bodies of guides and recommendations for conformity assessment procedures.

5.6 Whenever a relevant guide or recommendation issued by an international standardizing body does not exist or the technical content of a proposed conformity assessment procedure is not in accordance with relevant guides and recommendations issued by international standardizing bodies, and if the conformity assessment procedure may have a significant effect on trade of other members, members shall:

5.6.1 Publish a notice in a publication at an early appropriate stage, in such a manner as to enable interested parties in other members to become acquainted with it, that they propose to introduce a particular conformity assessment procedure;

5.6.2 Notify other members through the Secretariat of the products to be covered by the proposed conformity assessment procedure, together with a brief indication of its objective and rationale. Such notifications shall take place at an early appropriate stage, when amendments can still be introduced and comments taken into account;

5.6.3 Upon request, provide to other members' particulars or copies of the proposed procedure and, whenever possible, identify the parts, which in substance deviate from relevant guides or recommendations issued by international standardizing bodies;

5.6.4 Without discrimination, allow reasonable time for other members to make comments in writing, discuss these comments upon request, and take these written comments and the results of these discussions into account.

5.7 Subject to the provisions in the lead-in to paragraph 6, where urgent problems of safety, health, environmental protection or national security arise or threaten to arise for a member, that member may omit such of the steps enumerated in paragraph 6 as it finds necessary, provided that the member, upon adoption of the procedure, shall:

5.7.1 Notify immediately other members through the Secretariat of the particular procedure and the products covered, with a brief indication of the objective and the rationale of the procedure, including the nature of the urgent problems;

5.7.2 Upon request, provide other members with copies of the rules of the procedure;

5.7.3 Without discrimination, allow other members to present their comments in writing, discuss these comments upon request, and take these written comments and the results of these discussions into account.

5.8 Members shall ensure that all conformity assessment procedures which have been adopted are published promptly or otherwise made available in such a manner as to enable interested parties in other members to become acquainted with them.

5.9 Except in those urgent circumstances referred to in paragraph 7, members shall allow a reasonable interval between the publication of requirements concerning conformity assessment procedures and their entry into force in order to allow time for producers in exporting members, and particularly in developing country members, to adapt their products or methods of production to the requirements of the importing member.

ANNEX 3: CODE OF GOOD PRACTICE FOR THE PREPARATION, ADOPTION AND APPLICATION OF STANDARDS

General Provisions

A. For the purposes of this Code the definitions in Annex 1 of this Agreement shall apply.

B. This Code is open to acceptance by any standardizing body within the territory of a member of the WTO, whether a central government body, a local government body, or a non-governmental body; to any governmental regional standardizing body one or more members of which are members of the WTO; and to any non-governmental regional standardizing body one or more members of which are situated within the territory of a member of the WTO (referred to in this Code collectively as "standardizing bodies" and individually as "the standardizing body").

C. Standardizing bodies that have accepted or withdrawn from this Code shall notify this fact to the ISO/IEC Information Centre in Geneva. The notification shall include the name and address of the body concerned and the scope of its current and expected standardization activities. The notification may be sent either directly to the ISO/IEC Information Centre, or through the national member body of ISO/IEC or, preferably, through the relevant national member or international affiliate of ISONET, as appropriate.

activity relates. This is illustrative of the importance of participation in the international standardizing process accommodating all relevant interests.

3. IMPARTIALITY AND CONSENSUS

All relevant bodies of WTO members should be provided with meaningful opportunities to contribute to the elaboration of an international standard so that the standard development process will not give privilege to, or favour the interests of, a particular supplier/s, country/ies or region/s. Consensus procedures should be established that seek to take into account the views of all parties concerned and to reconcile any conflicting arguments.

Impartiality should be accorded throughout all the standards development process with respect to, among other things:

- Access to participation in work;
- Submission of comments on drafts;
- Consideration of views expressed and comments made;
- Decision-making through consensus;
- Obtaining of information and documents;
- Dissemination of the international standard;
- Fees charged for documents;
- Right to transpose the international standard into a regional or national standard; and
- Revision of the international standard.

4. EFFECTIVENESS AND RELEVANCE

In order to serve the interests of the WTO membership in facilitating international trade and preventing unnecessary trade barriers, international standards need to be relevant and to effectively respond to regulatory and market needs, as well as scientific and technological developments in various countries. They should not distort the global market, have adverse effects on fair competition, or stifle innovation and

In order to avoid the development of conflicting international standards, it is important that international standardizing bodies avoid duplication of, or overlap with, the work of other international standardizing bodies

technological development. In addition, they should not give preference to the characteristics or requirements of specific countries or regions when different needs or interests exist in other countries or regions. Whenever possible, international standards should be performance based rather than based on design or descriptive characteristics.

Accordingly, it is important that international standardizing bodies:

- Take account of relevant regulatory or market needs, deemed as feasible and appropriate, as well as scientific and technological developments in the elaboration of standards;
- Put in place procedures aimed at identifying and reviewing standards that have become obsolete, inappropriate or ineffective for various reasons; and
- Put in place procedures aimed at improving communication with the World Trade Organization.

5. COHERENCE

In order to avoid the development of conflicting international standards, it is important that international standardizing bodies avoid duplication of, or overlap with, the work of other international standardizing bodies. In this respect, cooperation and coordination with other relevant international bodies is essential.

6. DEVELOPMENT DIMENSION

Constraints on developing countries, in particular, to effectively participate in standards development, should be taken into consideration in the standards development process. Tangible ways of facilitating developing countries' participation in international standards development should be sought. The impartiality and openness of any international standardization process requires that developing countries are not excluded de facto from the process. With respect to improving participation by developing countries, it may be appropriate to use technical assistance, in line with Article 11 of the Technical Barriers to Trade (TBT) Agreement. Provisions for capacity building and technical assistance within international standardizing bodies are important in this context.

—The World Trade Organization (WTO) is the only global international organization dealing with the rules of trade between nations. At its heart are the WTO agreements, negotiated and signed by the bulk of the world's trading nations and ratified in their parliaments. The goal is to help producers of goods and services, exporters, and importers conduct their business.

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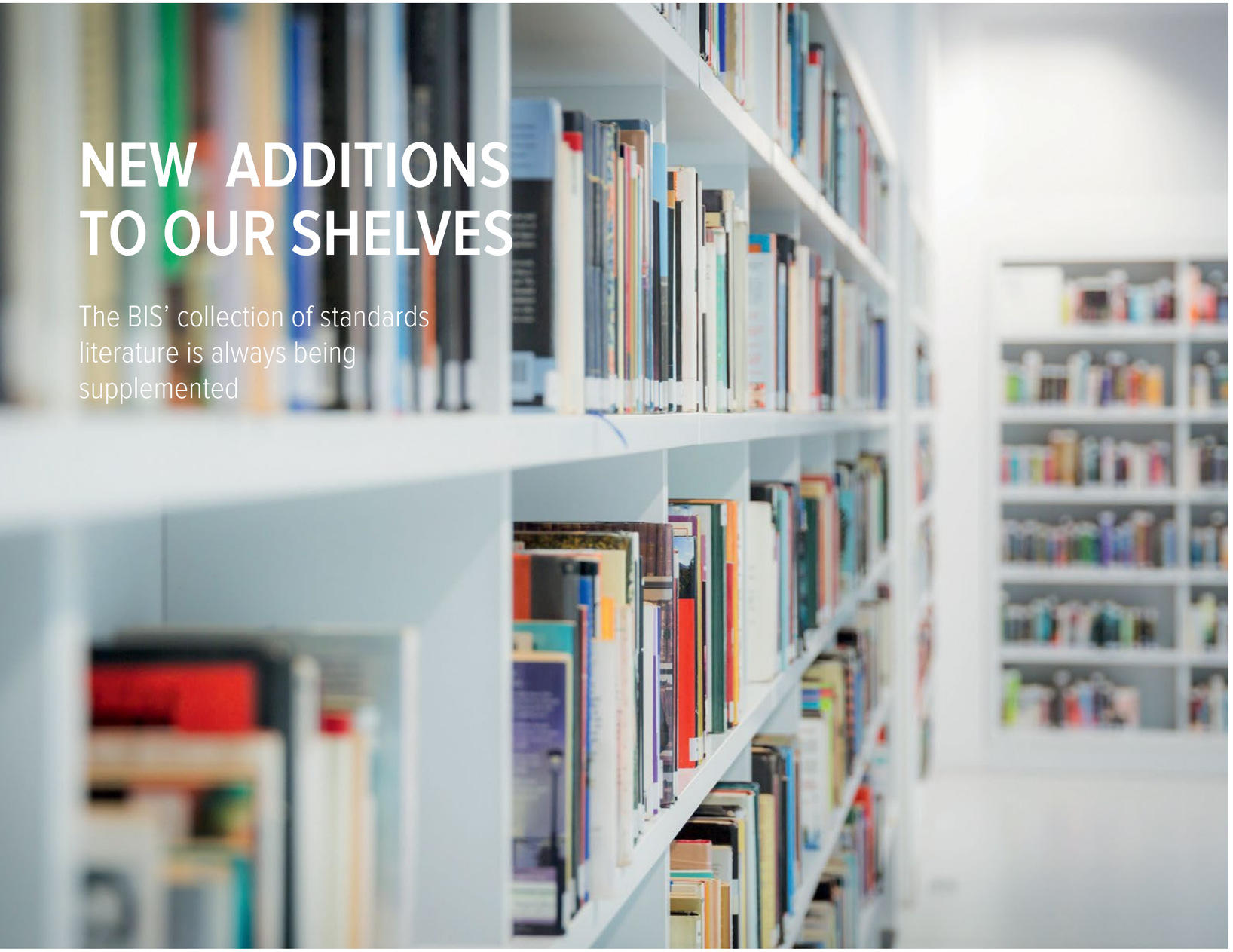

पुस्तकें एवं मानक
खंड 58 अंक 8 अगस्त 2020

कविता। कहानियाँ। उपन्यास। लेख

अदिति महेश बच्चे जो भय से झुके नही; वाणी प्रकाशन, नई दिल्ली; परिगृ सं: 812609/पी 891.43–053.5 ए डी आई

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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 7809 (Part 3/Sec 1): 1986 Specification for Pressure Sensitive Adhesive Insulating Tapes for Electrical Purposes Part 3 Requirements for Individual Materials Section 1 Plasticized Polyvinyl Tapes with Non- Thermosetting Adhesives (First Revision)	आईएस 7809 (भाग 3 / सेक 1):1986 दबाव संवेदी चिपकने वाला इन्सुलेट टेप के लिए निर्दिष्ट करने के लिए विद्युत उद्देश्य के लिए टेप 3 अलग-अलग सामग्री के लिए आवश्यकताएँ धारा 1 गैर. र-थर्मोसेटिंग चिपकने के साथ प्लास्टिकयुक्त पालीविनाइल टेप। (प्रथम संशोधन)
Date Of Establishment जारी करने की तिथि	11 Jan 2019	11 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 2 January 2019	संशोधन संख्या 2 जनवरी 2019
Date Of Cancellation रद्द होने की तिथि	11 Jan 2019	11 जनवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2039 (Part 1 to 3): 1991 Steel Tubes for Bicycle and Cycle Rickshaws Specification (Second Revision)	आईएस 2039 (भाग 1 से 3): 1991 साइकिल और साइकिल रिक्शा विशिष्टता के लिए स्टील ट्यूब (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	11 Jan 2019	11 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 2 January 2019	संशोधन संख्या 2 जनवरी 2019
Date Of Cancellation रद्द होने की तिथि	11 Jan 2019	11 जनवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 3074 : 2013 Steel Tubes for Automotive Purposes Specification (Third Revision)	आईएस 3074: 2013 मोटर मोटर वाहन प्रयोजनों के लिए ट्यूब विशिष्टता (तीसरा संशोधन)
Date Of Establishment जारी करने की तिथि	11 Jan 2019	11 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 January 2019	संशोधन नंबर 1 जनवरी 2019
Date Of Cancellation रद्द होने की तिथि	11 Jan 2019	11 जनवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 8329: 2000 Centrifugally Cast (SPUN) Ductile Iron Pressure Pipes for Water, Gas and Sewage Specification (Third Revision)	आईएस 8329: 2000 केन्द्रापसारक कास्ट (एसपीयूएन) पानी, गैस और सीवेज विशिष्टता (तीसरा संशोधन) के लिए तन्य लौह दबाव पाइप
Date Of Establishment जारी करने की तिथि	11 Jan 2019	11 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 5 January 2019	संशोधन संख्या 5 जनवरी 2019
Date Of Cancellation रद्द होने की तिथि	11 Jan 2019	11 जनवरी 2019

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 9523 : 2000 Ductile Iron Fittings for Pressure Pipes for Water, Gas and Sewage Specification (First Revision)	आईएस 9523: 2000 पानी, गैस और सीवेज विनिर्देश के लिए दबाव पाइप के लिए नमनीय लोहे की फिटिंग (प्रथम संशोधन)
Date Of Establishment जारी करने की तिथि	11 Jan 2019	11 जनवरी 2019
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	Amendment No. 6 January 2019	संशोधन संख्या 6 जनवरी 2019
Date Of Cancellation रद्द होने की तिथि	11 Jan 2019	11 जनवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 10508: 2007 Phosphoric Acid, Food Grade Specification (First Revision)	आईएस 10508: 2007 फास्फोरिक एसिड, खाद्य ग्रेड विशिष्टता (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	11 Jan 2019	11 जनवरी 2019
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 January 2019	संशोधन नंबर 1 जनवरी 2019
Date Of Cancellation रद्द होने की तिथि	11 Jan 2019	11 जनवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 4308: 2019 Dry Chemical Powders for Fire Fighting BC, ABC and D Types Specification (Third Revision)	आईएस 4308: 2019 ड्राई फाइटिंग बीसी, एबीसी और डी प्रकार विशिष्टता के लिए सूखा रासायनिक पाउडर (तीसरा संशोधन)
Date Of Establishment जारी करने की तिथि	9 January 2019	9 जनवरी 2019
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 4308: 2003 Dry Chemical Powder for Fighting Band C Class Fires Specification (Second Revision) IS 4861 : 1984 Specification for Dry Powder for Fighting Fires in Burning Metals (First Revision) IS 14609 : 1999 Dry Chemical Powder for Fighting A,B,C, Class Fires Specification	आईएस 4308: 2003 ड्रायिंग केमिकल पाउडर फाइटिंग बैंड सी क्लास फायर स्पेसिफिकेशन (सेकंड रिवीजन) आईएस 4861: 1984 बर्निंग मेटल्स में फाइट पाउडर के लिए ड्राय पाउडर के लिए स्पेसिफिकेशन (पहला रिविजन) आईएस 14609: 1999 ए, बी, सी, क्लास फायर की विशिष्टता के लिए ड्राई केमिकल पाउडर
Date Of Cancellation रद्द होने की तिथि	8 July 2019	8 जुलाई 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 7123: 2019 Hair Oils Specification (Third Revision)	आईएस 7123: 2019 हेयर आयल्स स्पेसिफिकेशन (तीसरा संशोधन)
Date Of Establishment जारी करने की तिथि	11 Jan 2019	11 जनवरी 2019
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 7123: 1993 Hair Oils Specification (Second Revision)	आईएस 7123: 1993 हेयर आयल्स स्पेसिफिकेशन (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	10 Apr 2019	10 अप्रैल 2019

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 374: 2019 Electric Ceiling Type Fans – Specification (Fourth Revision)	आईएस 374:2019 इलेक्ट्रिक सीलिंग प्रकार प्रशंसक – विशिष्टता (चौथा संशोधन)
Date Of Establishment जारी करने की तिथि	14 Jan 2019	14 जनवरी 2019
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 374: 1979 Specification for Electric Ceiling Type Fans and Regulators (Third Revision)	आईएस 374:1979 इलेक्ट्रिक सीलिंग टाइप फैंस एंड रेगुलेटर्स के लिए विशिष्टता (तीसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	13 Jan 2020	13 जनवरी 2020
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1577: 2019 Tobacco and Tobacco Products Cigarettes Specification (Fourth Revision)	आईएस 1577: 2019 तंबाकू और तंबाकू उत्पाद सिगरेट की विशिष्टता (चौथा संशोधन)
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 1577: 2008 Tobacco and Tobacco Products Cigarettes Specification (Third Revision)	आईएस 1577: 2008 तम्बाकू और तम्बाकू उत्पाद सिगरेट की विशिष्टता (तीसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1769 (Part 2): 2019 Cigars and Cheroots Specification Part 2 Cheroots (Third Revision)	आईएस 1769 (भाग 2): 2019 सिगार और चेरूट्स विशिष्टता भाग 2 चेरूट्स (तीसरा संशोधन)
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 1769 (Part 2): 1994 Cigars and Cheroots Specification Part 2 Cheroots (Second Revision)	आईएस 1769 (भाग 2):1994 सिगार और चेरूट्स विशिष्टता भाग 2 चेरूट्स (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2409: 2019 Calcium Ammonium Nitrate Specification (Third Revision)	आईएस 2409: 2019 कैल्शियम अमोनियम नाइट्रेट विशिष्टता (तीसरा संशोधन)
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 2409: 1985 Specification for Calcium Ammonium Nitrate (Second Revision)	आईएस 2409: 1985 कैल्शियम अमोनियम नाइट्रेट के लिए विशिष्टता (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 5832-1: 2016 Implants for Surgery Metallic Materials Part 1 Wrought Stainless Steel	आईएस/आईएसओ 5832-1: 2016 शल्य चिकित्सा सामग्री के लिए प्रत्यारोपण भाग 1 गढ़ा स्टेनलेस स्टील
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5347 (Part 2): 1993/ ISO 5832-1 : 1987 Requirements for Orthopaedic Implants Part 2 Wrought Stainless Steel (First Revision)	आईएस 5347 (भाग 2): 1993/ आईएसओ 5832-1: 1987 आर्थोपेडिक प्रत्यारोपण के लिए आवश्यकताएं भाग 2 गढ़ा स्टेनलेस स्टील (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 5832-2: 2018 Implants for Surgery Metallic Materials Part 2 Unalloyed Titanium (First Revision)	आईएस/आईएसओ 5832-2: 2018 शल्यचिकित्सा धातु सामग्री भाग 2 के लिए प्रत्यारोपण टाइटेनियम (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/ISO 5832-2: 1999 Implants for Surgery Metallic Materials Part 2 Unalloyed Titanium	आईएस/आईएसओ 5832-2: 1999 सर्जरी मैटेलिक मैटेरियल्स पार्ट 2 अनलावड टाइटेनियम के लिए इंप्लांट
Date Of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019
No., Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 5832-3: 2016 Implants for Surgery Metallic Materials Part 3 Wrought Titanium 6-Aluminium 4-Vanadium Alloy (First Revision)	आईएस/आईएसओ 5832-3: 2016 शल्य चिकित्सा सामग्री के लिए प्रत्यारोपण भाग 3 गढ़ा टाइटेनियम 6-एलुमिनियम 4-वैनेडियम मिश्र धातु (प्रथम संशोधन)
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS/ISO 5832-3: 1996 Implants for Surgery Metallic Materials Part 3 Wrought Titanium 6-Aluminium 4-Vanadium Alloy	आईएस/आईएसओ 5832-3: 1996 सर्जरी धातु सामग्री के लिए प्रत्यारोपण भाग 3 गढ़ा टाइटेनियम 6- एल्युमिनियम 4-वैनियम मिश्र धातु
Date Of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019

NEWS YOU CAN USE

STANDARDIZATION

During the months of June-July 2020, 50 sectional committee meetings were held, 76 new standards were formulated and 48 standards were revised. Besides, 208 draft standards were issued for wide circulation and 139 draft standards were finalized. During the period, 497 standards were reviewed and 479 standards were reaffirmed. As on 25 July 2020, 41,749 standards were in force.

No., Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 5832-7 : 2016 Implants for Surgery Metallic Materials Part 7 Forgeable and Cold-Formed Cobalt-Chromium-Nickel-Molybdenum-Iron Alloy	आईएस/आईएसओ 5832-7 : 2016 शल्यचिकित्सा धातु सामग्री भाग 7 के लिए प्रत्यारोपण और शीत-कोबाल्ट-क्रोमियम-निकेल-मोलिब्डेनम-लौह मिश्र धातु 5832-7: शीत-कोबाल्ट-क्रोमियम-निकेल-मोलिब्डेनम-लौह मिश्र धातुकोल्ड -कोबाल्ट-क्रोमियम-निकेल-मोलिब्डेनम-लौह मिश्र धातु
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/ISO 5347 (Part 8) : 1997/ISO 5832-7 : 1994 Requirements for Orthopaedic Implants Part 8 Forgeable and Cold- Formed Cobalt-Chromium- Nickel-Molybdenum-Iron Alloy (First Revision)	आईएस/आईएसओ 5347 (भाग 8): 1997/ आईएसओ 5832-7: 1994 आर्थोपेडिक प्रत्यारोपण के लिए आवश्यकताएं भाग 8 जाली और ठंडा- कोबाल्ट-क्रोमियम-निकल-मोलिब्डेनम-लौह मिश्र धातु (प्रथम संशोधन)
Date Of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019
No., Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 7133 : 2013 Earth-Moving Machinery Scrapers Terminology and Commercial Specifications (First Revision)	आईएस/आईएसओ 7133: 2013 अर्थ-मूविंग मशीनरी स्क्रेपर्स शब्दावली और वाणिज्यिक विनिर्देश (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/ISO 7133 : 1994 Earth-Moving Machinery Tractors-Scrapers Terminology and Commercial Specifications	आईएस/आईएसओ 7133:1994 अर्थ-मूविंग मशीनरी ट्रैक्टर्स-स्क्रेपर्स शब्दावली और वाणिज्यिक विनिर्देश
Date Of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019
No., Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 9000 (Part 7/ Sec 3) : 2019/IEC 60068- 2-31 : 2008 Environmental Testing Part 7 Tests Section 3 Test Ec: Rough Handling Shocks, Primarily for Equipment-Types Specimens (First Revision)	आईएस 9000 (भाग 7/ सेक 3):2019/आईसी 60068- 2-31:2008 पर्यावरणीय परीक्षण भाग 7 टेस्ट धारा 3 टेस्ट ईसी: किसी न किसी हैंडलिंग झटके, मुख्य रूप से उपकरण-प्रकार नमूनों के लिए (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 9000 (Part 7/ Sec 1 to 5) : 1979 Basic Environmental Testing Procedures for Electronic and Electrical Items Part 7 Impact Test	आईएस 9000 (भाग 7/ सेकंड 1 से 5): 1979 इलेक्ट्रॉनिक और इलेक्ट्रिकल आइटमों के लिए बेसिक पर्यावरण परीक्षण प्रक्रिया भाग 7 प्रभाव परीक्षण
Date Of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019

NEWS YOU CAN USE

PRODUCT CERTIFICATION

During the months of June-July 2020, 437 new certification licences were granted, 109 expired and 11 were cancelled, thereby bringing the number of operative licences to 74,299. As on 25 July 2020, total number of Standards covered under Product certification was 1,970. During June-July 2020, 72 surveillance inspections were carried out. In addition, there were 1,028 inspections for clearing lots of LPG, CNG & Industrial Gas Cylinders/ Valves/ Regulators and 77 other inspections like Resumption of marking, Inclusion by factory testing, Shifting of premises, etc.

No., Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 9266 (Part 2) : 2019 Press Working Die Sets (Boss Type) Specification Part 2 Centre Post Square Die Sets (First Revision)	आईएस 9266 (भाग 2): 2019 प्रेस वर्किंग डाई सेट्स (बास प्रकार) विशिष्टता भाग 2 केंद्र पोस्ट स्क्वायर डाई सेट्स (प्रथम संशोधन)
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 9266 (Part 2) : 1979 Specification for Press Working Die Sets (Boss Type) Part 2 Centre Post Square Die Sets	आईएस 9266 (भाग 2: 1979 प्रेस वर्किंग डाई सेट्स (बास प्रकार) के लिए विशिष्टता भाग 2 केंद्र पोस्ट स्क्वायर डाई सेट्स
Date Of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019
No., Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 9388 (Part 2) : 2019 Equal Elbow Body for Oil Hydraulic Couplings Specification Part 2 Made From Bar Stock (First Revision)	आईएस 9388 (भाग 2): 2019 तेल हाइड्रोलिक कपलिंग स्पेसिफिकेशन भाग 2 के लिए बराबर एल्बो बाडी बार स्टाक से बनाया गया (प्रथम संशोधन)
Date of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. & Year of the Amendment संशोधन की तिथि एवं वर्ष	IS 9388 (Part 2) : 1979 Specification for Equal Elbow Body for Oil-Hydraulic Couplings Part 2 Made from Bar Stock	आईएस 9388 (भाग 2): 1979 आइल-हाइड्रोलिक कपलिंग के लिए समान एल्बो बाडी के लिए स्पेसिफिकेशन पार्ट 2 बार स्टाक से बनाया गया
Date of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019
No.,Year & Title of the Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 9471 (Part 5/Sec 2) : 2019 Specification for Modular Lower Limb Orthotic Components Part 5 Joint Unit Section 2 Standard Knee	आईएस 9471 (भाग 5 / सेक 2): 2019 माड्यूलर लोअर लिम्ब आर्थोटिक घटकों के लिए विशिष्टता भाग 5 संयुक्त इकाई खंड 2 स्टैंडर्ड घुटने
Date of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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/ISO 10993-4 : 2017 Biological Evaluation of Medical Devices Part 4 Selection of Tests for Interactions with Blood	आईएस/ आईएसओ 10993-4: 2017 चिकित्सा उपकरणों का जैविक मूल्यांकन भाग 4 रक्त के साथ बातचीत के लिए टेस्ट का चयन
Date of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. & Year of the Amendment संशोधन की तिथि एवं वर्ष	IS 12572 (Part 14) : 2016/ ISO 10993-4 : 2002 Biological Evaluation of Medical Devices Part 14 Selection of Tests for Interactions with Blood (First Revision)	आईएस 12572 (भाग 14): 2016/ आईएसओ 10993-4: 2002 चिकित्सा उपकरणों का जैविक मूल्यांकन भाग 14 रक्त के साथ बातचीत के लिए टेस्ट का चयन (पहला संशोधन)
Date of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019
No.,Year & Title of the Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 10993-6 : 2016 Biological Evaluation of Medical Devices Part 6 Tests for Local Effects after Implantation	आईएस/ आईएसओ 10993-6: 2016 प्रत्यारोपण के बाद स्थानीय प्रभावों के लिए चिकित्सा उपकरणों के जैविक मूल्यांकन भाग 6 टेस्ट
Date of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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/ISO 10993-11 : 2017 Biological Evaluation of Medical Devices Part 11 Tests for Systemic Toxicity	आईएस/ आईएसओ 10993-11: 2017 प्रणालीगत विषाक्तता के लिए चिकित्सा उपकरणों के जैविक मूल्यांकन भाग 11 टेस्ट
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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 10993-16 : 2017 Biological Evaluation of Medical Devices Part 16 Toxicokinetic Study Design for Degradation Products and Leachables	आईएस/आईएसओ 10993-16: 2017 चिकित्सा उपकरणों का जैविक मूल्यांकन भाग 16 उत्पाद और पत्तों के लिए विषैले अध्ययन संबंधी डिज़ाइन
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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 13781 : 2017 Implants for Surgery Homopolymers, Copolymers and Blends on Poly (Lactide) in vitro Degradation Testing	आईएस/आईएसओ13781: 2017 इंप्लांट फार सर्जरी होमोपोलिमर्स, कापोलिमर एंड ब्लेंड्स आन पाली (लैक्टाइड) इन विट्रो डिग्रेडेशन टेस्टिंग
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5347 (Part 16) : 2002/ISO 13781 : 1997 Requirements for Orthopaedic Implants Part 16 Poly (L-Lactide) Resins and Fabricated Forms for Surgical Implants In Vitro Degradation Testing	आईएस 5347 (भाग 16): 2002 /आईएसओ13781: 1997 आर्थोपेडिक प्रत्यारोपण के लिए आवश्यकताएं भाग 16 पाली (एल-लैकटाइड) रेजिन और फैब्रिकेटेड फार्म सर्जिकल प्रत्यारोपण के लिए विट्रो डीग्रेडेशन परीक्षण में
Date Of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/ISO 14161 : 2009 Sterilization of Health Care Products Biological Indicators Guidance for the Selection, Use and Interpretation of Results	आईएस/आईएसओ 14161: 2009 स्वास्थ्य देखभाल उत्पादों की नसबंदी परिणामों के चयन, उपयोग और व्याख्या के लिए जैविक संकेतक मार्गदर्शन
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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 14298 : 2013 Graphic Technology Management of Security Printing Processes	आईएस/ आईएसओ 14298: 2013 ग्राफिक टेक्नोलाजी मैनेजमेंट आफ सिक्योरिटी प्रिंटिंग प्रोसेस
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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/TR 15499 : 2016 Biological Evaluation of Medical Devices Guidance on the Conduct of Biological Evaluation within a Risk Management Process	आईएस/ आईएसओ/ टीआर 15499: 2016 एक जोखिम प्रबंधन प्रक्रिया के भीतर जैविक मूल्यांकन के आचरण पर चिकित्सा उपकरणों के मार्गदर्शन का जैविक मूल्यांकन
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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 16228 : 2019/ IEC 62108 : 2016 Concentrator Photovoltaic (CPV) Modules and Assemblies Design Qualification and Type Approval (First Revision)	आईएस 16228: 2019 आईईसी 62108: 2016 कंसेंट्रेटर फोटोवोल्टिक (सीपीवी) माड्यूल और विधानसभाएं डिजाइन योग्यता और प्रकार अनुमोदन (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 16228 : 2015/ IEC 62108 : 2007 Concentrator Photovoltaic (CPV) Modules and Assemblies Design Qualification and Type Approval	आईएस 16228: 2015/ आईईसी 62108: 2007 कंसेंट्रेटर फोटोवोल्टिक (सीपीवी) माड्यूल और विधानसभाएं डिजाइन योग्यता और प्रकार अनुमोदन
Date Of Cancellation रद्द होने की तिथि	25 Jan 2019	25 जनवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16674 : 2019 Spiromesifen, Technical Specification	आईएस 16674:2019 स्पिरोमिसिफेन, तकनीकी विशिष्टता
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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 16797 : 2019/IEC 62509 : 2010 Battery Charge Controllers for Photovoltaic Systems Performance and Functioning	आईएस 16797/ 2019/ आईईसी 62509: 2010 फोटोवोल्टिक प्रणालियों के प्रदर्शन और कार्य के लिए बैटरी चार्ज कंट्रोलर
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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 16844 : 2019/ ISO 14861 : 2015 Graphic Technology Requirements for Colour Soft Proofing Systems	आईएस 16844:2019/ आईएसओ 14861: 2015 ग्राफिक साफ्टवेर कलर आवश्यकताएँ के लिए ग्राफिक प्रौद्योगिकी आवश्यकताएँ
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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 16955 : 2019 Spiromesifen, Suspension Concentrate (SC) Specification	आईएस 16955: 2019 स्पिरोमिसिफेन, सस्पेंशन कान्सेंट्रेट (एससी) विशिष्टता
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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 17069 : 2019 Method for Determination of Thermal Conductivity of Dense as Well as Insulating Fired Refractories, Refractory Monolithics and Precast Prefired (PCPF) Shapes	आईएस 17069: 2019 घने के थर्मल चालकता के निर्धारण के लिए विधि के साथ-साथ निकाल दिया आग रोक, आग रोक मोनोलिथिक्स और पूर्वनिर्मित पूर्वनिर्धारित (पीसीपीएफ) आकृतियाँ
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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 17073 : 2019 Determination of Major Elements in Coal and Coke Ash by XRay Fluorescence Spectroscopic Method	आईएस 17073: 2019 एक्सरे फ्लोरेसेंस स्पेक्ट्रोस्कोपिक विधि द्वारा कोयला और कोक ऐश में प्रमुख तत्वों का निर्धारण
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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 22442-1 : 2015 Medical Devices Utilizing Animal Tissues and their Derivatives Part 1 Application of Risk Management	आईएस/ आईएसओ 22442-1:2015 चिकित्सा उपकरण पशु ऊतकों का उपयोग करते हैं और उनके भाग 1 जोखिम प्रबंधन के अनुप्रयोग
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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 22442-2 : 2015 Medical Devices Utilizing Animal Tissues and their Derivatives Part 2 Control on Sourcing, Collection and Handling	आईएस/ आईएसओ 22442-2:2015 चिकित्सा उपकरण पशु ऊतकों का उपयोग करते हैं और उनके भाग 2 का सोर्सिंग, संग्रह और हैंडलिंग पर नियंत्रण
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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 22442-2 : 2015 Medical Devices Utilizing Animal Tissues and their Derivatives Part 2 Control on Sourcing, Collection and Handling	आईएस/ आईएसओ 22442-2:2015 चिकित्सा उपकरण पशु ऊतकों का उपयोग और उनके डेरिवेटिव भाग २ सोर्सिंग, संग्रह और हैंडलिंग पर नियंत्रण
Date Of Establishment जारी करने की तिथि	18 January 2019	18 जनवरी 2019
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 14494 : 1998 Elastomer Insulated Flexible Cables for Use in Mines – Specification	आईएस 14494: 1998 इलास्टोमेर इंसुलेटेड फ्लेक्सिबल केबल्स इन यूज़ फार माइन्स - स्पेसिफिकेशन
Date Of Cancellation रद्द होने की तिथि	17 July 2019	17 जुलाई 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 11673 (Part 1) : 2019 Sodium Hypochlorite Solution Specification Part 1 Household and Industrial Use (Second Revision)	आईएस 11673 (भाग1): 2019 सोडियम हाइपोक्लोराइट समाधान विशिष्टता भाग 1 घरेलू और औद्योगिक उपयोग (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 11673 : 1992 Sodium Hypochlorite Solution Specification (First Revision)	आईएस 11673: 1992 सोडियम हाइपोक्लोराइट साल्यूशन स्पेसिफिकेशन (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	24 April 2019	24 अप्रैल 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 11673 (Part 2) : 2019 Sodium Hypochlorite Solution – Specification Part 2 Water Treatment Use (Second Revision)	आईएस 11673 (भाग 2): 2019 सोडियम हाइपोक्लोराइट घोल – विशिष्टता भाग 2 जल उपचार उपयोग (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	25 Jan 2019	25 जनवरी 2019
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 538 : 2000 Phenol (Carbolic Acid) (Second Revision)	आईएस 538: 2000 फिनोल (कार्बोलिक एसिड) (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	23 Jan 2019	23 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 January 2019	संशोधन नंबर 1 जनवरी 2019
Date Of Cancellation रद्द होने की तिथि	23 Jan 2019	23 जनवरी 2019

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 11714 (Part 1 to 5) : 1986 Specification for Steel Tubes for Heat Exchangers	आईएस 11714 (भाग 1 से 5): 1986 हीट एक्सचेंजर्स के लिए स्टील ट्यूब के लिए विशिष्टता
Date Of Establishment जारी करने की तिथि	23 Jan 2019	23 जनवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 January 2019	संशोधन नंबर 1 जनवरी 2019
Date Of Cancellation रद्द होने की तिथि	23 Jan 2019	23 जनवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 732 : 2019 Code of Practice for Electrical Wiring Installations (Fourth Revision)	आईएस 732: 2019 कोड आफ प्रैक्टिस फार इलेक्ट्रिकल वायरिंग प्रतिष्ठान (चौथा संशोधन)
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 732 : 1989 Code of Practice for Electrical Wiring Installations (Third Revision)	आईएस 732:1989 इलेक्ट्रिकल वायरिंग प्रतिष्ठान के लिए अभ्यास का कोड (तीसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	5 Feb 2019	5 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 3802 : 2019 Roasted Coffee-Chicory Powder Specification (Second Revision)	आईएस 3802: 2019 भुना हुआ काफी-चिकोरी पाउडर विशिष्टता (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 3802 : 1992 Roasted Coffee-Chicory Powder Specification (First Revision)	आईएस 3802:1992 भुना हुआ काफी-चिकोरी पाउडर विशिष्टता (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	5 Feb 2019	5 फरवरी 2019

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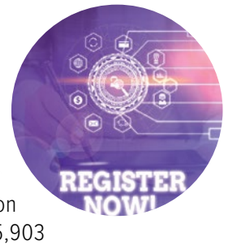
REGISTRATION SCHEME



During the months of June-July 2020, 628 new registrations of Electronics and Information Technology products have been made under the scheme. As on 25 July 2020, the BIS made 45,903 registrations under the BIS registration scheme covering different product categories.

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 4658: 2019 Specification for Coated Paper and Board (Art and Chromo) (Second Revision)	आईएस 4658: 2019 लेपित कागज और बोर्ड (कला और क्रोमो) के लिए विशिष्टता (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 4658: 1988 Specification for Coated Paper and Board (Art and Chromo) (First Revision)	आईएस 4658: 1988 लेपित कागज और बोर्ड (कला और क्रोमो) के लिए विशिष्टता (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	5 Feb 2019	5 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15365 : 2019 Amino Resins for Paints (First Revision)	आईएस 15365: 2019 अमीनो रेज़िन फार पेंट्स (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 15365 : 2003 Amino Resins for Paints Specification	आईएस 15365: 2003 पेंटो के स्पेसिफिकेशन के लिए अमीनो रेज़िन
Date Of Cancellation रद्द होने की तिथि	5 Feb 2019	5 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15892: 2019/ISO 8653: 2016 Jewellery Ring-Sizes-Definition, Measurement and Designation (First Revision)	आईएस 15892:2019/आईएसओ 8653: 2016 आभूषण की अंगूठी–आकार–परिभाषा, मापन और पदनाम (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 15892 : 2011/ISO 8653 : 1986 Jewellery Ring-Sizes- Definition, Measurement and Designation	आईएस 15892:2011/आईएसओ 8653: 1986 ज्वेलरी रिंग–साइज–परिभाषा, मापन और पदनाम
Date Of Cancellation रद्द होने की तिथि	5 Feb 2019	5 फरवरी 2019

NEWS YOU CAN USE

MANAGEMENT SYSTEM CERTIFICATION

During the months of June-July 2020, 07 licences were granted, 08 licences were cancelled/ expired, thereby bringing the number of operative licences to 2,567 under the Management System Certification Schemes. As on 25 July 2020, 40 Integrated Management Certification for Hazard Analysis and Critical Control Points (HACCP) and Quality Management System were in operation. Besides, two standalone licences for HACCP were also in operation.

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16519 : 2019 Jowar Specification	आईएस 16519 : 2019 ज्वार विशिष्टता
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 16710 : 2019 Thiacloprid, Technical Specification	आईएस 16710: 2019 थियाक्लोप्रिड, तकनीकी विशिष्टता
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 16765 : 2019/ISO 14890 : 2013 Conveyor Belts Specification for Rubber-or Plastics-Covered Conveyor Belts of Textile Construction for General Use	आईएस 16765: 2019/आईएसओ 14890: 2013 रबड़ या प्लास्टिक से ढंके कन्वेयर बेल्ट के लिए सामान्य उपयोग के लिए कपड़ा बेल्ट की विशिष्टता
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 16792 (Part 1/Sec 4): 2019/IEC 62788-1-4: 2016 Measurement Procedures for Materials Used in Photovoltaic Modules Part 1 Encapsulants Section 4 Measurement of Optical Transmittance and Calculation of the Solar-Weighted Photon Transmittance, Yellowness index, and UV cut-off wavelength	आईएस 16792 (भाग 1/सेक 4): 2019/आईईसी 62788–1–4: 2016 फोटोवोल्टिक माड्यूल में प्रयुक्त सामग्री के लिए माप प्रक्रिया भाग 1 एनकेप्सुलेन्ट्स धारा 4 आप्टिकल संप्रेषण की माप और सौर भारित फोटन संप्रेषण की गणना, पीलापन सूचकांक, और यूवी कट–आफ वेवलेंथ
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 16793 (Part 1): 2019/ ISO 11900-1: 2007 Tools for Presssing Ball-Lock Punch Retainers Part 1 Types A and B, Rectangular and Square for Light Duty	आईएस 16793 (भाग1): 2019/आईएसओ 11900–1: 2007 बाल–लाक पंच रिटेनर्स दबाने के लिए उपकरण भाग 1 प्रकार ए और बी, आयताकार और प्रकाश ड्यूटी के लिए वर्ग
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 16794 (Part 1) : 2019/ ISO 10242-1 : 2011 Tools for Pressing Punch Holder Shanks Part 1 Type A	आईएस 16794 (भाग 1): 2019/आईएसओ 10242–1: 2011 पंच होल्डर शैंक्स दबाने के लिए उपकरण भाग 1 प्रकार ए
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 16794 (Part 2): 2019/ ISO 10242-2: 2008 Tools for Pressing Punch Holder Shanks Part 2 Type C	आईएस 16794 (भाग 2): 2019/आईएसओ 10242–2: 2008 पंच होल्डर शैंक्स दबाने के लिए उपकरण भाग 2 प्रकार सी
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 16794 (Part 3): 2019/ ISO 10242-3: 2008 Tools for Pressing Punch Holder Shanks Part 3 Type D	आईएस 16794 (भाग3): 2019/आईएसओ 10242–3: 2008 पंच होल्डर शैंक्स दबाने के लिए उपकरण भाग 3 प्रकार डी
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 16813 : 2019/ISO 14118 : 2017 Safety of Machinery Prevention of Unexpected Start-Up	आईएस 16813: 2019/आईएसओ 14118: 2017 अप्रत्याशित स्टार्ट–अप की मशीनरी रोकथाम की सुरक्षा
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 16816: 2019/ISO 13854: 2017 Safety of Machinery Minimum Gaps to Avoid Crushing of Parts of the Human Body	आईएस 16816: 2019 / आईएसओ 13854: 2017 मानव शरीर के कुछ हिस्सों को कुचलने से बचने के लिए मशीनरी न्यूनतम अंतराल की सुरक्षा
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 16872: 2019/ISO 6957: 1988 Copper Alloys Ammonia Test for Stress Corrosion Resistance	आईएस 16872: 2019/आईएसओ 6957: 1988 कापर मिश्र अमोनिया तनाव प्रतिरोध प्रतिरोध के लिए टेस्ट
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 16901: 2019/ISO 15093: 2015 Jewellery Determination of Precious Metals in 999% Gold, Platinum and Palladium Jewellery Alloys Difference Method Using ICP-OES	आईएस16901: 2019/आईएसओ15093: 2015 आभूषणों का निर्धारण कीमती धातुओं में 999: सोना, प्लेटिनम और पैलेडियम ज्वेलरी मिश्र अंतर विधि आईसीपी–ओईएस का उपयोग
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 17061 : 2019/ISO/ ASTM 52628 : 2013 Practice for Dosimetry in Radiation Processing	आईएस 17061: 2019/आईएसओ/एएसटीएम 52628: 2013 रेडिएशन प्रसंस्करण में डोसिमेट्री के लिए अभ्यास
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 17071: 2019/ISO 252: 2007 Conveyor Belts Adhesion Between Constitutive Elements Test Methods	आईएस 17071: 2019/आईएसओ 252: 2007 कन्वेयर बेल्ट आसंजन कांस्टीट्यूटिव एलिमेंट्स टेस्ट के तरीकों के बीच
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 17072 : 2019 Non Plastic, Biodegradable Polymer Based Paper Coating Chemical	आईएस 17072: 2019 नान प्लास्टिक, बायोडिग्रेडेबल पालिमर आधारित पेपर कोटिंग केमिकल
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 17094 (Part 2) : 2019/ISO 8655-2 : 2002 Piston-Operated Volumetric Apparatus Part 2 Piston Pipettes	आईएस 17094 (भाग 2): 2019/आईएसओ 8655-2: 2002 पिस्टन-संचालित वाल्यूमेट्रिक उपकरण भाग 2 पिस्टन पिपेट
Date Of Establishment जारी करने की तिथि	5 Feb 2019	5 फरवरी 2019
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 1388 (Part 1) : 2019/ ISO 4796-1 : 2016 Laboratory Glass Ware Bottles Part 1 Screw Neck Bottles (Third Revision)	आईएस 1388 (भाग 1): 2019/आईएसओ 4796-1: 2016 प्रयोगशाला कांच के बर्तन की बोतलें भाग 1 पेंच गर्दन की बोतलें (तीसरा संशोधन)
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 1388 (Part 1) : 2005/ ISO 4796-1 : 2000 Laboratory Glass Ware Bottles Part 1 Screw-Neck Bottles (Second Revision)	आईएस 1388 (भाग 1): 2005/आईएसओ 4796-1: 2000 प्रयोगशाला कांच के बर्तन की बोतलें भाग 1 पेंच-गर्दन की बोतलें (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	15 Feb 2019	15 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2898 (Part 1) : 2019/ ISO 3290-1 : 2014 Rolling Bearings Balls Part 1 Steel Balls (Second Revision)	आईएस 2898 (भाग 1): 2019/आईएसओ 3290-1: 2014 रोलिंग बियरिंग्स पार्ट 1 स्टील बाल्स (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 2898 : 1976 Specification for Steel Balls for Rolling Bearings (First Revision)	आईएस 2898: 1976 रोलिंग बियरिंग्स के लिए स्टील बाल्स की विशिष्टता (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	15 Feb 2019	15 फरवरी 2019

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 2898 (Part 2) : 2019/ ISO 3290-2 : 2014 Rolling Bearings Balls Part 2 Ceramic Balls	आईएस 2898 (भाग 2): 2019/आईएसओ 3290-2: 2014 रोलिंग बियरिंग्स पार्ट 2 सिरेमिक बाल्स
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 5669 : 2019/ISO 15 : 2017 Rolling Bearings Radial Bearings Boundary Dimensions, General Plan (Second Revision)	आईएस 5669: 2019/ आईएसओ 15: 2017 रोलिंग बियरिंग्स रेडियल बियरिंग्स सीमा आयाम, सामान्य योजना (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5669 : 1987 General Plan of Boundary Dimensions for Radial Rolling Bearings (First Revision)	आईएस 5669: 1987 रेडियल रोलिंग बियरिंग्स के लिए सीमा आयामों की सामान्य योजना (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	15 Feb 2019	15 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5932 : 2019/ISO 104 : 2015 Rolling Bearings Thrust Bearings Boundary Dimensions, General Plan (Second Revision)	आईएस 5932: 2019/ आईएसओ 104: 2015 रोलिंग बीयरिंग थ्रस्ट बियरिंग्स सीमा आयाम, सामान्य योजना (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5932 : 1999 Boundary Dimensions for Thrust Ball Bearing with Flat Seats (First Revision)	आईएस 5932: 1999 फ्लैट सीट्स के साथ थ्रस्ट बाल बेयरिंग के लिए सीमा आयाम (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	15 Feb 2019	15 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5933 : 2019/ISO 199: 2014 Rolling Bearings Thrust Bearings Geometrical Product Specification (GPS) and Tolerance Values (Fourth Revision)	आईएस 5933: 2019/ आईएसओ 199: 2014 रोलिंग बियरिंग्स थ्रस्ट बियरिंग्स ज्यामितीय उत्पाद विशिष्टता (जीपीएस) और सहिष्णुता मान (चौथा संशोधन)
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No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5933 : 2015/ISO 199: 2005 Rolling Bearings Thrust Bearings Tolerance (Third Revision)	आईएस 5933: 2015/ आईएसओ 199: 2005 रोलिंग बियरिंग्स थ्रस्ट बियरिंग्स सहिष्णुता (तीसरा संशोधन)
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No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5935 (Part 1): 2019/ ISO 5753-1: 2009 Rolling Bearings Internal Clearance Part 1 Radial Internal Clearance for Radial Bearings (Second Revision)	आईएस 5935 (भाग 1): 2019/आईएसओ 5753-1: 2009 रोलिंग बियरिंग्स आंतरिक मंजूरी भाग 1 रेडियल बियरिंग्स के लिए रेडियल आंतरिक मंजूरी (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5935: 1992 Radial Internal Clearances in Unloaded Radial Rolling Bearings (First Revision)	आईएस 5935:1992 अनलोडेड रेडियल रोलिंग बियरिंग्स में रेडियल आंतरिक मंजूरी (पहला संशोधन)
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No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5935 (Part 2): 2019/ ISO 5753-2: 2010 Rolling Bearings Internal Clearance Part 2 Axial Internal Clearance for Four-Point-Contact Ball Bearings	आईएस 5935 (भाग2): 219/ आईएसओ 5753-2:2010 रोलिंग बियरिंग्स आंतरिक क्लीयरेंस पार्ट २ एक्सियल इंटरनल क्लीयरेंस फॉर फोर-पाइंट-कान्टेक्ट बाल बियरिंग्स
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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 7513 (Part 2) : 2019/ ISO 1219-2 : 2012 Fluid Power Systems and Components Graphical Symbols and Circuit Diagrams Part 2 Circuit Diagrams (First Revision)	आईएस7513(भाग2): 2019 आईएसओ 1219-2:2012 द्रव विद्युत प्रणाली और घटक ग्राफिकल प्रतीक और सर्किट आरेख भाग २ सर्किट आरेख (प्रथम संशोधन)
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 7513 (Part 2): 2002/ ISO 1219-2: 1995 Fluid Power Systems and Components Graphical Symbols and Circuit Diagrams Part 2 Circuit Diagrams	आईएस7513 (भाग2): 2002आईएसओ 1219-2:1995 द्रव पावर सिस्टम और घटक ग्राफिकल प्रतीक और सर्किट आरेख भाग २ सर्किट आरेख
Date Of Cancellation रद्द होने की तिथि	15 Feb 2019	15 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 8504 (Part 8): 2019/ IEC 60216- 8: 2013 Electrical Insulating Materials Thermal Endurance Properties Part 8 Instructions for Calculating Thermal Endurance Characteristics Using Simplified Procedures	आईएस 8504 (भाग 8): 2019/ आईईसी 60216-8: 2013 विद्युत इन्युलेट सामग्री थर्मल धीरज गुण भाग 8 सरलीकृत प्रक्रियाओं का उपयोग कर थर्मल धीरज विशेषताओं की गणना के लिए निर्देश
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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 9269: 2019/ ISO 3968: 2001 Hydraulic Fluid Power Filters Evaluation of Differential Pressure Versus Flow Characteristics (Second Revision)	आईएस 9269:2019/ आईएसओ 3968:2001 हाइड्रोलिक द्रव पावर फिल्टर विभेदक दबाव वर्सस फ्लो विशेषताओं का मूल्यांकन (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 9269: 1990 Evaluation of Pressure Drop Versus Flow Characteristics of Hydraulic Filter Elements and Filters Method of Test (First Revision)	आईएस 9269: 1990 हाइड्रोलिक फिल्टर तत्वों और फिल्टर टेस्ट की विधि के दबाव ड्राप बनाम प्रवाह विशेषताओं का मूल्यांकन (प्रथम संशोधन)
Date Of Cancellation रद्द होने की तिथि	15 Feb 2019	15 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13251: 2019/ISO 8132: 2014 Hydraulic Fluid Power Mounting Dimensions for Accessories for Single Rod Cylinders, 16 MPa (160 bar) Medium and 25 MPa (250 bar) Series (First Revision)	आईएस 13251: 2019/ आईएसओ 8132: 2014 हाइड्रोलिक द्रव पावर बढ़ते आयामों के लिए सहायक उपकरण एकल राड सिलेंडरों के लिए, 16 एमपीए (160 बार) मध्यम और 25 एमपीए (250 बार) श्रृंखला (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 13251 : 1992/ISO 8132: 1986 Hydraulic Fluid Power Single Rod Cylinders, 160 BAR (16 MPa) Medium and 250 BAR (25 MPa) Series Mounting Dimensions for Accessories	आईएस 13251:1992/ आईएसओ8132:1986 हाइड्रोलिक द्रव पावर सिंगल राड सिलेंडर, 160 बार (16एमपीए) मध्यम और 250 बार (25एमपीए) श्रृंखला सहायक उपकरण के लिए बढ़ते आयाम
Date Of Cancellation रद्द होने की तिथि	15 Feb 2019	15 फरवरी 2019

NEWS YOU CAN USE

HALLMARKING CERTIFICATION

During the months of June-July 2020, 1,080 licences for Hallmarking of gold and 136 licences for Hallmarking of silver were granted, whereas 122 licences for Hallmarking of gold, 13 licences for silver were cancelled/ expired. Total number of operative licences under this scheme as on 25 July 2020 stood at 57,053 and 5,332 for gold and silver respectively. As on 25 July 2020, 1,840 Assaying and Hallmarking centres recognized by the BIS, were in operation.

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13365 (Part 2) : 2019 Quantitative Classification Systems of Rock Mass Guidelines Part 2 Rock Mass Quality for Prediction of Support Pressure, Support System and Engineering Properties in Underground Openings (First Revision)	आईएस 13365 (भाग 2): 2019 रॉक मास दिशानिर्देशों की मात्रात्मक वर्गीकरण प्रणाली भाग 2 भूमिगत दबाव में समर्थन दबाव, समर्थन प्रणाली और इंजीनियरिंग गुणों की भविष्यवाणी के लिए रॉक मास गुणवत्ता (प्रथम संशोधन)
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 13365 (Part 2) : 1992 Quantitative Classification Systems of Rock Mass Guidelines Part 2 Rock Mass Quality for Prediction of Support Pressure in Underground Openings	आईएस 13365 (भाग2): 1992 के रॉक मास दिशा निर्देशों की मात्रात्मक वर्गीकरण प्रणाली भाग 2 भूमिगत उद्घाटन में समर्थन दबाव की भविष्यवाणी के लिए रॉक मास गुणवत्ता
Date Of Cancellation रद्द होने की तिथि	15 Feb 2019	15 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14167: 2019/ISO 10099: 2001 Pneumatic Fluid Power Cylinders Final Examination and Acceptance Criteria (First Revision)	आईएस 14167: 2019/ आईएसओ 10099: 2001 वायवीय द्रव बिजली सिलेंडर अंतिम परीक्षा और स्वीकृति मानदंड (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 14167 : 1994 Pneumatic Cylinders Acceptance Test	आईएस 14167: 1994 वायवीय सिलेंडर स्वीकृति परीक्षण
Date Of Cancellation रद्द होने की तिथि	15 Feb 2019	15 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14867 (Part 2) : 2019/ ISO 5611- 2: 2015 Cartridges, Type A, for Indexable Inserts Part 2 Style F	आईएस 14867 (भाग 2): 2019/आईएसओ 5611–2: 2015 कारतूस, टाइप ए, इंडेक्सेबल इंसर्ट के लिए भाग 2 स्टाइल एफ
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 14867 (Part 3): 2019/ ISO 5611- 3: 2015 Cartridges, Type A, for Indexable Inserts Part 3 Style G	आईएस 14867 (भाग 3): 2019/आईएसओ 5611–3: 2015 कारतूस, अनुक्रमणिका आवेषण भाग 3 शैली जी के लिए टाइप ए
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 14867 (Part 4): 2019/ ISO 5611- 4: 2015 Cartridges, Type A, for Indexable Inserts Part 4 Style J	आईएस 14867 (भाग4): 2019/आईएसओ 5611–4: 2015 कारतूस, अनुक्रमणिका आवेषण भाग 4 शैली श्र के लिए टाइप
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 14867 (Part 5): 2019/ ISO 5611- 5: 2015 Cartridges, Type A, for Indexable Inserts Part 5 Style K	आईएस 14867 (भाग 5): 20192/आईएसओ 5611–5: 2015 कार्ट्रिज, टाइप ए, इंडेक्सेबल इंसर्ट के लिए भाग 5 स्टाइल के।
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 14867 (Part 6): 2019/ ISO 5611- 6: 2015 Cartridges, Type A, for Indexable Inserts Part 6 Style L	आईएस 14867 (भाग 6): 2019/आईएसओ 5611–6: 2015, कारतूस, प्रकार ए, अनुक्रमणिका आवेषण के लिए भाग 6 स्टाइल एल
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and 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

CONSUMER AFFAIRS AWARENESS PROGRAMMES

During the months of June-July 2020, two consumer awareness programmes were organized at CRO and SRO. A total of 24 consumers/participants attended these programmes. During the two-month period, 78 grievances/complaints regarding Product Certification were received and 20 grievances /complaints were closed. As part of enforcement activity, during the period, one search and seizure was conducted by the BIS for misuse of the Standard mark.

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14867 (Part 7): 2019/ ISO 5611- 7: 2015 Cartridges, Type A, for Indexable Inserts Part 7 Style R	आईएस 14867 (भाग 7): 2019/आईएसओ 5611–7: 2015 कारतूस, प्रकार ए, अनुक्रमित आवेषण के लिए भाग 7 स्टाइल आर
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 14867 (Part 8): 2019/ ISO 5611- 8: 2015 Cartridges, Type A, for Indexable Inserts Part 8 Style S	आईएस 14867 (भाग 8): 2019/आईएसओ 5611–8: 2015 कारतूस, टाइप ए, इंडेक्सेबल इंसर्ट के लिए भाग 8 स्टाइल एस
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 14867 (Part 10): 2019/ISO 5611-10: 2015 Cartridges, Type A, for Indexable Inserts Part 10 Style U	आईएस 14867 (भाग 10): 2019/आईएसओ 5611–10:2015कारतूस, प्रकार ए, इंडेक्सेबल इंसर्ट के लिए भाग 10 स्टाइल यू
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 14867 (Part 12): 2019/ISO 5611-12: 2015 Cartridges, Type A, for Indexable Inserts Part 12 Style Y	आईएस 14867 (भाग12): 2019/आईएसओ 5611–12: 2015 कारतूस, टाइप ए, इंडेक्सेबल इंसर्ट के लिए 12 स्टाइल वाई
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 16478 (Part 1) : 2019/ISO 4386- 1 : 2012 Plain Bearing Metallic Multilayer Plain Bearings Part 1 Non-Destructive Ultrasonic Testing of Bond of Thickness Greater than or Equal to 0.5 mm	आईएस 16478 (भाग 1): 2019/आईएसओ 4386–1: 2012 मेंदान असर धातुई बहुपरत सादा बियरिंग्स भाग 1 गैर–विनाशकारी अल्ट्रासोनिक परीक्षण बाल्ड की मोटाई से अधिक या 0.5 मिमी के बराबर
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 16478 (Part 2): 2019/ISO 4386- 2: 2012 Plain Bearing Metallic Multilayer Plain Bearings Part 2 Destructive Testing of Bond for Bearing Metal Layer Thicknesses Greater than or Equal to 2mm	आईएस 16478 (भाग 2): 2019/आईएसओ 4386–2: 2012 मेदान असर धातुई बहुपरत सादा बियरिंग्स भाग 2 धातु के परत मोटाई के लिए बंधन के विनाशकारी परीक्षण से अधिक या 2 मिमी के बराबर
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 16732 : 2019 Galvanized Structural Steel Specification	आईएस 16732: 2019 जस्ती स्ट्रक्चरल स्टील स्पेसिफिकेशन
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 16815: 2019/ISO 13855: 2010 Safety of Machinery Positioning of Safeguards with Respect to the Approach Speeds of Parts of the Human Body	आईएस 16815: 2019/ आईएसओ 13855: 2010 मानव शरीर के भागों के दृष्टिकोण की गति के संबंध में सुरक्षा उपायों की मशीनरी स्थिति
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 17030 (Part 2): 2019/ISO 20685-2: 2015 Ergonomics 3-D Scanning Methodologies for Internationally Compatible Anthropometric Databases Part 2 Evaluation Protocol of Surface Shape and Repeatability of Relative Landmark Positions	आईएस 17030 (भाग2): 2019/आईएसओ 20685–2: 2015 अंतर्राष्ट्रीय रूप से संगत मानवशास्त्रीय डेटाबेस के लिए एर्गोनामिक्स 3–डी स्कैनिंग पद्धतियां भाग 2 सतह के आकार का मूल्यांकन प्रोटोकाल और सापेक्ष लैंडमार्क पदों की पुनरावृत्ति।
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 17090 : 2019/ISO 703 : 2017 Conveyor Belts Tansverse Flexibility (Troughability) Test Method	आईएस 17090: 2019/ आईएसओ 703: 2017 कन्वेयर बेल्ट तनवास लचीलेपन (परेशानी) परीक्षण विधि
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 17091 : 2019/ ISO 14743 : 2004 Pneumatic Fluid Power Push-in Connectors for Thermoplastic Tubes	आईएस 17091: 2019/ आईएसओ 14743: 2004 थर्माप्लास्टिक ट्यूबों के लिए वायवीय द्रव पावर पुश-इन कनेक्टर्स
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
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 1835 : 1976 Specification for Round Steel Wire for Ropes (Third Revision)	आईएस 1835: 1976 रोप्स के लिए राउंड स्टील वायर के लिए विशिष्टता (तीसरा संशोधन)
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 3 Feb 2019	संशोधन संख्या 3 फरवरी 2019
Date Of Cancellation रद्द होने की तिथि	15 Feb 2019	15 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 7174: 1974 Specification for Carbon Steel Tubes for use on Board Ships for Working Pressures 0.7 To 1.7 N/mm^2	आईएस 7174: 1974 कार्बन स्टील ट्यूब्स के लिए काम के दबावों के लिए उपयोग करने की विशिष्टता 0.7 से 1.7 एन 2 एमएम 2 तक काम के दबाव
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 2 Feb 2019	संशोधन संख्या 2 फरवरी 2019
Date Of Cancellation रद्द होने की तिथि	15 Feb 2019	15 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 12375 (Part 4) : 2016/ ISO 7206- 4 : 2010 Implants for Surgery Partial and Total HIP Joint Prostheses Part 4 Determination of Endurance Properties and Performance of Stemmed Femoral Components (First Revision)	आईएस 12375 (भाग 4): 2016/आईएसओ 7206-4: 2010 सर्जरी के लिए प्रत्यारोपण आंशिक और कुल एचआईपी संयुक्त प्रोस्टेटेसेस भाग 4 धीरज गुणों और स्टेम ऊरु के घटकों का प्रदर्शन का निर्धारण (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 Feb 2019	संशोधन संख्या 1 फरवरी 2019
Date Of Cancellation रद्द होने की तिथि	15 Feb 2019	15 फरवरी 2019

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 369 : 2019 Household Electric Direct – Acting Room Heaters – Performance Requirements (Fourth Revision)	आईएस 369:2019 घरेलू इलेक्ट्रिक डायरेक्ट – एक्टिंग रूम हीटर – प्रदर्शन आवश्यकताएँ (चौथा संशोधन)
Date Of Establishment जारी करने की तिथि	5 Mar 2019	5 मार्च 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 369 : 1992 Specification for Electric Radiator (Third Revision) IS 4283 : 1981 Specification for Hot Air Fan (First Revision)	आईएस 369: 1992 इलेक्ट्रिक रेडिएटर के लिए विशिष्टता (तीसरा संशोधन) आईएस4283: 1981 हाट एयर फैन के लिए विशिष्टता (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	4 Sep 2019	4 सितंबर 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15298 (Part 3): 2019/ISO 20346: 2014 Personal Protective Equipment Part 3 Protective Footwear (Second Revision)	आईएस 15298 (भाग 3): 2019/आईएसओ 20346: 2014 व्यक्तिगत सुरक्षा उपकरण भाग 3 सुरक्षात्मक जूते (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	5 Mar 2019	5 मार्च 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 15298 (Part 3): 2011/ ISO 20346: 2004 Personal Protective Equipment Part 3 Protective Footwear (First Revision)	आईएस 15298 (भाग 3): 2011/आईएसओ 20346: 2004 व्यक्तिगत सुरक्षा उपकरण भाग 3 सुरक्षात्मक जूते (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	4 Sep 2019	4 सितंबर 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 784: 2019 Prestressed Concrete Pipes (Including Specials) Specification (Third Revision)	आईएस 784: 2019 प्रेस्ट्रेस्ड कंक्रीट पाइप्स (विशेष सहित) विशिष्टता (तीसरा संशोधन)
Date Of Establishment जारी करने की तिथि	5 Mar 2019	5 मार्च 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 784: 2001 Prestressed Concrete Pipes (Including Specials) Specification (Second Revision)	आईएस784: 2001 प्रेस्टीज्ड कंक्रीट पाइप्स (विशेष सहित) विशिष्टता (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	4 Sep 2019	4 सितंबर 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1363 (Part 1) : 2019/ISO 4016 : 2011 Hexagon Head Bolts, Screws and Nuts of Product Grade 'C' Part 1 Hexagon Head Bolts (Size Range M 5 to M 64) (Fifth Revision)	आईएस 1363 (भाग 1): 2019/आईएसओ 4016: 2011 हेक्सागोन हेड बोल्ट्स, स्क्रू एंड नट्स आफ प्रोडक्ट ग्रेड 'सी' पार्ट 1 हेक्सागोन हेड बोल्ट्स (साइज़ रेंज एम 5 से एम 64) (पांचवां संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 1363 (Part 1): 2002/ ISO 4016: 1999 Hexagon Head Bolts, Screws and Nuts of Product Grade 'C' Part 1 Hexagon Head Bolts (Size Range M 5 to M 64) (Fourth Revision)	आईएस 1363 (भाग 1): 2002/आईएसओ 4016: 1999 हेक्सागोन हेड बोल्ट्स, स्क्रू एंड नट्स आफ प्रोडक्ट ग्रेड श्म सी श्पार्ट 1 हेक्सागोन हेड बोल्ट्स (साइज़ रेंज एम 5 से एम 64) (चौथा संशोधन)
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 204 (Part 1): 1991 Tower Bolts Specification Part 1 Ferrous Metals (First Revision)	आईएस 204 (भाग 1)): 1991 टावर बोल्ट विशिष्टता भाग 1 लौह धातु (प्रथम संशोधन)
Date Of Establishment जारी करने की तिथि	5 Mar 2019	5 मार्च 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 3 March 2019	संशोधन संख्या 3 मार्च 2019
Date Of Cancellation रद्द होने की तिथि	4 Sep 2019	4 सितंबर 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 15658: 2006 Precast Concrete Blocks for Paving Specification	आईएस 15658: 2006 फर्श विशिष्टता के लिए मिल में बना हुआ कंक्रीट ब्लाक
Date Of Establishment जारी करने की तिथि	5 Mar 2019	5 मार्च 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 4 March 2019	संशोधन संख्या 4 मार्च 2019
Date Of Cancellation रद्द होने की तिथि	4 Sep 2019	4 सितंबर 2019
No., Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1161: 2014 Steel Tubes for Structural Purposes Specification (Fifth Revision)	आईएस1161: 2014 स्ट्रक्चरल पर्पस स्पेसिफिकेशन के लिए स्टील ट्यूब (पांचवां संशोधन)
Date of Establishment जारी करने की तिथि	5 Mar 2019	5 मार्च 2019
No. & Year of the Amendment संशोधन की तिथि एवं वर्ष	Amendment No. 1 March 2019	संशोधन संख्या 1 मार्च 2019
Date of Cancellation रद्द होने की तिथि	5 Mar 2019	5 मार्च 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14611: 2016 Multilayered Cross Laminated Sheets/ Tarpaulins/Covers/ Agricultural Films Specification (First Revision)	आईएस 14611: 2016 बहुस्तरीय क्रास टुकड़े टुकड़े में चादरें/ तिरपाल/ कवर/ कृषि फिल्क्स विशिष्टता (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	5 Mar 2019	5 मार्च 2019
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	Amendment No. 3 March 2019	संशोधन नंबर 3 मार्च 2019
Date Of Cancellation रद्द होने की तिथि	5 Mar 2019	5 मार्च 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 14625 : 2015 Plastics Feeding Bottles (First Revision)	आईएस 14625: 2015 प्लास्टिक से बने पीने की बोतल (प्रथम संशोधन)
Date Of Establishment जारी करने की तिथि	5 Mar 2019	5 मार्च 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 2 March 2019	संशोधन संख्या 2 मार्च 2019
Date Of Cancellation रद्द होने की तिथि	5 Mar 2019	5 मार्च 2019

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 3989 : 2009 Centrifugally Cast (SPUN) Iron Spigot and Socket Soil, Waste, Ventilating and Rainwater Pipes, Fittings and Accessories Specification (Third Revision)	आईएस 3989: 2009 केन्द्रापसारक कास्ट (एसपीयूएन) आयरन स्पिगोट और साकेट मिट्टी, अपशिष्ट, वेंटिलेटिंग और रेनवाटर पाइप, फिटिंग और सहायक उपकरण विशिष्टता (तीसरा संशोधन)
Date Of Establishment जारी करने की तिथि	15 Feb 2019	15 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	Amendment No. 4 February 2019	संशोधन संख्या 4 फरवरी 2019
Date Of Cancellation रद्द होने की तिथि	15 Feb 2019	15 फरवरी 2019
No., Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 10805 : 1986 Specification for Foot-Valves, Reflux Valves or Non-Return Valves and Bore Valves to be used in Suction Lines of Agricultural Pumping System (First Revision)	आईएस 10805: 1986 फुट-वाल्व, रिफ्लक्स वाल्व या गैर-रिटर्न वाल्व और बोर वाल्व के लिए सक्शन लाइनों का कृषि पंपिंग सिस्टम में उपयोग करने के लिए (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	5 Mar 2019	5 मार्च 2019
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	Amendment No. 4 March 2019	संशोधन संख्या 4 मार्च 2019
Date Of Cancellation रद्द होने की तिथि	5 Mar 2019	5 मार्च 2019

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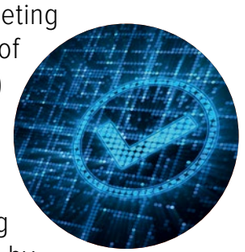

A bilateral virtual meeting between the Bureau of Indian Standards (BIS) and the Standards Australia (SA), Australia was held on July 24, 2020. The meeting was jointly chaired by Shri Pramod Kumar Tiwari, IAS, Director General, BIS, India and Mr. Adrian O'Connell, Chief Executive Officer (CEO), SA from the Australian side. During the meeting, both the sides referring to the PM level talks between India and Australia held in June 2020 and recognizing that standards facilitate trade and economic growth, expressed desire of deeper collaboration between the two institutions in the field of standardization at the national and international fora.

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1448 [P : 94]: 2019 Methods of Test for Petroleum and its Products [P : 94] Test for Oxidation Stability of Lubricating Grease By Oxygen Pressure Vessel Method (First Revision)	आईएस 1448 [पी:94] : 2019 पेट्रोलियम और उसके उत्पादों के लिए परीक्षण के तरीके [पी:94] आक्सीजन दबाव पोत विधि द्वारा स्नेहन तेल की आक्सीकरण स्थिरता के लिए परीक्षण (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. And Year Of The Amendment संशोधन की तिथि एवं वर्ष	IS 1448 [P : 94] : 1980 Methods of Test for Petroleum and its Products [P : 94] Test for Oxidation Stability of Lubricating Greases By the Oxygen Bomb Method	आईएस 1448 [पी:94]: 1980 पेट्रोलियम और उसके उत्पादों के लिए परीक्षण के तरीके [पी:94] आक्सीजन बम विधि द्वारा चिकनाई की आक्सीकरण स्थिरता के लिए परीक्षण
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1448 [P:96]: 2019/ ISO 7120: 1987 Methods of Test for Petroleum and its Products [P:96] Petroleum Products and Lubricants Petroleum Oils and Other Fluids Determination of Rust-Preventing Characteristics in the Presence of Water (First Revision)	आईएस 1448 [पी:96]: 2019 /आईएसओ 7120: 1987 पेट्रोलियम और उसके उत्पादों के लिए परीक्षण के तरीके [पी:96] पेट्रोलियम उत्पाद और स्नेहक पेट्रोलियम तेल और अन्य तरल पदार्थ पानी की उपस्थिति में जंग-रोकथाम के लक्षण का निर्धारण (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 1448 [P:96]: 1980 Methods of Test for Petroleum and its Products [P: 96] Rust-Preventing Characteristics of Steam- Turbine Oil in the Presence of Water	आईएस 1448 [पी:96]: 1980 पेट्रोलियम और उसके उत्पादों के लिए परीक्षण के तरीके [पी:96] भाप के टरबाइन तेल में जंग-रोकथाम के लक्षण
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 1448 [P: 171]: 2019/ ISO 10143: 2014 Methods of Test for Petroleum and its Products [P : 171] Carbonaceous Materials for the Production of Aluminum Calcined Coke for Electrodes Determination of the Electrical Resistivity of Granules	आईएस 1448 [पी:171]: 2019/आईएसओ 10143: 2014 पेट्रोलियम और उसके उत्पादों के लिए टेस्ट की विधियाँ [पी:171] एल्युमीनियम कैलक्लाइंड कोक के उत्पादन के लिए कार्बोनसियस पदार्थ, इलेक्ट्रोड के विद्युत चुम्बकीयता के निर्धारण के लिए
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
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 4097 : 2019 Specification for Material (Gravel) for Use as Filter Pack in Tubewells (First Revision)	आईएस 4097: 2019 ट्यूबवेल्स में फिल्टर पैक के रूप में उपयोग के लिए सामग्री (बजरी) के लिए विशिष्टता (प्रथम संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 4097 : 1967 Specification for Gravel for Use as Pack in Tubewells	आईएस 4097: 1967 ट्यूबवेल में पैक के रूप में उपयोग के लिए बजरी की विशिष्टता
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 4652 : 2019 Ethyl-PHydroxybenzoate/ Ethylparaben for Cosmetic Industry Specification (Third Revision)	आईएस 4652: 2019 एथिल-पीएचड्रोक्सीबेंजोएट/ एथिलपरबेन फार कास्मेटिक इंडस्ट्री स्पेसिफिकेशन (तीसरा संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 4652 : 1987 Specification for Ethyl-p-Hydroxybenzoate for Cosmetic Industry (Second Revision)	आईएस 4652: 1987 एथिल-पी के लिए विशिष्टता- कास्मेटिक उद्योग के लिए हाइड्राक्सीबेन्जेट (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 5692: 2019/ISO 492 : 2014 Rolling Bearings Radial Bearings Geometrical Product Specifications (GPS) and Tolerance Values (Second Revision)	आईएस 5692: 2019/ आईएसओ 492: 2014 रोलिंग बीयरिंग रेडियल बियरिंग्स ज्यामितीय उत्पाद विनिर्देश (जीपीएस) और सहिष्णुता मान (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 5692: 1988 Tolerances for Radial Rolling Bearings (First Revision) IS 7460: 1988 Tolerances for Tapered Roller Bearings (First Revision)	आईएस 5692: 1988 रेडियल रोलिंग बियरिंग्स के लिए सहिष्णुता (पहला संशोधन) आईएस 7460:1988 पतला रोलर बीयरिंग के लिए सहिष्णुता (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019

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CII MEET ON RICE

Stakeholder Dialogue Series on 'Scaling Ex-situ Solutions for Rice Straw Management: Ex-situ Supply Chain', organized by the Confederation of Indian Industries (CII), was held on June 26, 2020. Officials of the Civil Engineering Department of BIS shared the work done by the BIS through development of standards relating to lignocellulosic panel products covering utilization of rice straw.

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 6333: 2019 Propyl-p-Hydroxybenzoate/ Propylparaben for Cosmetic Industry Specification (Third Revision)	आईएस 6333: 2019 प्रवचलस-च-हाइड्राक्सीबेंजोएट/ कास्मेटिक उद्योग विशिष्टता के लिए प्रोपाइलपरबेन (तृतीय संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 6333: 1985 Specification for Propyl p- Hydroxybenzoate for Cosmetic Industry (Second Revision)	आईएस 6333: 1985 प्रोपल पी के लिए विशिष्टता- कास्मेटिक उद्योग के लिए हाइड्राक्सीबेन्जेट (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 6334: 2019 Butyl-p-Hydroxybenzoate/ Butylparaben for Cosmetic Industry Specification (Third Revision)	आईएस 6334: 2019 ब्यूटाइल-पी- कास्मेटिक उद्योग विशिष्टता के लिए हाइड्राक्सीबेन्जेट/ ब्यूटिलपरबेन (तीसरा संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 6334: 1987 Specification for Butyl p- Hydroxybenzoate for Cosmetic Industry (Second Revision)	आईएस 6334: 1987 ब्यूटाइल पी के लिए विशिष्टता- कास्मेटिक उद्योग के लिए हाइड्राक्सीबेन्जेट (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 7461: 2019/ISO 355: 2007 Rolling Bearings Tapered Roller Bearings Boundary Dimensions and Series Designations (Third Revision)	आईएस 7461: 2019/ आईएसओ 355: 2007 रोलिंग बीयरिंग पतला रोलर बीयरिंग सीमा आयाम और श्रृंखला पदनाम (तीसरा संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 7461 (Part 1) : 1993 General Plan of Boundary Dimensions for Tapered Roller Bearings Part 1 Single Row Bearings (Second Revision) IS 7461 (Part2): 1992 General Plan of Boundary Dimensions for Tapered Roller Bearings Part 2 Double Row Bearings (Second Revision) IS 7461 (Part 3): 1992 General Plan of Boundary Dimensions for Tapered Roller Bearings Part 3 Flanged Cups (Second Revision)	आईएस 7461 (भाग 1): 1993 में पतला रोलर बियरिंग्स के लिए सीमा आयामों की सामान्य योजना भाग 1 सिंगल पंक्ति बियरिंग्स (दूसरा संशोधन) आईएस7461 (भाग2):1992 पतला टेप रोलर बीयरिंग 2 के लिए सीमा आयामों की सामान्य योजना (दूसरा संशोधन) आईएस 7461 (भाग 3): 1992 ठेपर्ड रोलर बियरिंग्स के लिए सीमा आयामों की सामान्य योजना भाग 3 सिंदहमक कप (दूसरा संशोधन)
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 8236 : 2019 Slats for Cane Carriers Specification (Second Revision)	आईएस 8236: 2019 गन्ना वाहक विशिष्टता के लिए स्लैट्स (दूसरा संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 8236 : 1994 Slats for Cane Carriers Specification (First Revision)	आईएस 8236: 1994 गन्ना वाहक विशिष्टता के लिए स्लैट्स (पहला संशोधन)
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 10385 : 2019/ISO 2739 : 2012 Sintered Metal Bushings Determination of Radial Crushing Strength (First revision)	आईएस 10385: 2019/ आईएसओ 2739:2012 सिनल्ड मेट्ल बुशिंग्स का निर्धारण रेडियल क्रशिंग स्ट्रेंथ (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 10385: 1982 Method for Determination of Radial Crushing Strength of Sintered Metal Powder Bearings	10385: 1982 धातु के पाउडर पाउडर के रेडियल पेराई ताकत के निर्धारण के लिए विधि
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 10532 (Part 4): 2019 Fire Resistant Hydraulic Fluids Specification Part 4 Phosphate Esters Type (First Revision)	आईएस 10532 (भाग 4): 2019 अग्नि प्रतिरोधी हाइड्रोलिक तरल पदार्थ विशिष्टता भाग 4 फास्फेट एस्टर प्रकार (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 10532 (Part 4) : 1983 Specification for Fire Resistant Hydraulic Fluids Part 4 Phosphate Esters Type	आईएस 10532 (भाग4): 1983 अग्नि प्रतिरोधी हाइड्रोलिक तरल पदार्थ भाग 4 फास्फेट एस्टर प्रकार के लिए विशिष्टता
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13235 (Part 1) : 2019/ IEC 60865-1 : 2011 Short-Circuit Currents Calculation of Effects Part 1 Definitions and Calculation Methods (First Revision)	आईएस 13235 (भाग 1): 2019/आईईसी 60865-1: 2011 शॉर्ट-सर्किट धाराओं की गणना प्रभाव भाग 1 परिभाषा और गणना के तरीके (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 13235 : 1991/IEC Pub 865 : 1986 Calculation of the Effects of Short-Circuit Currents	आईएस 13235: 1991/ आईईसी आईसी 865: 1986 शॉर्ट-सर्किट धाराओं के प्रभाव की गणना
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13235 (Part 2) : 2019/ IEC 60865-2 : 2015 Short-Circuit Currents Calculation of Effects Part 2 Examples of Calculation (First Revision)	आईएस 13235 (भाग 2): 2019/आईईसी 60865-2: 2015 शॉर्ट-सर्किट करंट की गणना प्रभाव का भाग 2 गणना के उदाहरण (प्रथम संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 13235 : 1991/IEC Pub 865 : 1986 Calculation of the Effects of Short-Circuit Currents	आईएस 13235: 1991/ आईईसी आईसी 865: 1986 शॉर्ट-सर्किट धाराओं के प्रभाव की गणना
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019

No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 13452 : 2019 Methods of Chemical Analysis of Ferrochroium (First Revision)	आईएस 13452: 2019 फेरोक्रोमियम के रासायनिक विश्लेषण के तरीके (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 13452 : 1992 Methods of Chemical Analysis of Ferrochroium by Gravimetric Method	आईएस 13452: 1992 ग्रेविमीटर विधि द्वारा फेरोक्रोमियम के रासायनिक विश्लेषण के तरीके
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS 16498 (Part 3/Sec 1) : 2019/IEC 60641-3-1 : 2008 Specification for Pressboard and Presspaper for Electrical Purposes Part 3 Specifications for Individual Materials Sheet 1 Requirements for Pressboard, types B.0.1, B.0.3, B.2.1, B.2.3, B.3.1, B.3.3, B.4.1, B.4.3, B.5.1, B.5.3 and B.6.1	आईएस 16498 (भाग 3 / सेक 1): 2019 /आईईसी 60641-3-1: 2008 विद्युत प्रयोजनों के लिए प्रेसबोर्ड और प्रेसपेपर के लिए विशिष्टता 3 अलग-अलग सामग्री के लिए विनिर्देशन शीट 1 प्रेसबोर्ड के लिए आवश्यकताएँ 1, प्रकार बी-0.1, बी-0.3, बी-2.1, बी-2.3, बी-3.1, बी-3.3, बी-4.1, बी-4.3, बी-5.1, बी-5.3 और बी-6.1
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
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 16498 (Part 3/Sec 2) : 2019/IEC 60641-3-2 : 2007 Specification for Pressboard and Presspaper for Electrical Purposes Part 3 Specifications for Individual Materials Sheet 2 Requirements for Presspaper, Types P.2.1, P.4.1, P.4.2, P.4.3 AND P.6.1	आईएस 16498 (भाग 3 / सेक 2): 2019 / आईईसी 60641-3-2: 2007 बिजली के प्रयोजनों के लिए प्रेसबोर्ड और प्रेसपेपर के लिए विशिष्टता 3 अलग-अलग सामग्री के लिए विनिर्देशन शीट 2 प्रेसपेपर के लिए आवश्यकताएँ, प्रकार पी-2.1, पी-4.1, पी-4.2, पी-4.3 और पी-6.
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
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 16499 (Part 3/Sec 1) : 2019/IEC 60763-3-1 : 2010 Laminated Pressboard for Electrical Purposes Part 3 Specifications for Individual Materials Sheet 1 : Requirements for Laminated Pre Compressed Pressboard, Types LB3.1A.1, and LB3.1A.2	आईएस 16499 (भाग 3 / सेक 1): 2019/आईईसी 60763-3-1: 2010 विद्युत प्रयोजनों के लिए टुकड़े टुकड़े में प्रेसबोर्ड भाग 3 अलग-अलग सामग्री शीट के लिए विनिर्देशों 1: टुकड़े टुकड़े में पूर्व संपीड़ित प्रेसबोर्ड के लिए आवश्यकताएँ, प्रकार स्ठ3.1.1.1 और स्ठ3 .1 1.2
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
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 17054 (Part 1) : 2019/ISO 2871-1 : 2010 Surface Active Agents Detergents Determination of Cationic-Active Matter Content Part 1 High-Molecular-Mass Cationic-Active Matter	आईएस 17054 (भाग 1): 2019/आईएसओ 2871-1: 2010 भूतल सक्रिय एजेंट डिटर्जेंट का निर्धारण ब्जपवदपब- सक्रिय पदार्थ सामग्री भाग 1 उच्च आणविक-द्रव्यमान ब्जपवदपब-सक्रिय पदार्थ
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
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 17054 (Part 2) : 2019/ISO 2871- 2 : 2010 Surface Active Agents Detergents Determination of Cationic-Active Matter Content Part 2 Cationic-Active Matter of Low Molecular Mass (Between 200 and 500)	आईएस 17054 (भाग 2): 2019/आईएसओ 2871-2: 2010 भूतल सक्रिय एजेंट डिटर्जेंट धनायनित-सक्रिय पदार्थ सामग्री का निर्धारण भाग 2 कम आणविक द्रव्यमान का धनायनी-सक्रिय पदार्थ (200 और 500 के बीच)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
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 17074 : 2019/ISO 13517 : 2013 Metallic Powders Determination of Flow Rate by Means of a Calibrated Funnel (Gustavsson Flowmeter)	आईएस 17074: 2019/ आईएसओ 13517: 2013 मेटालिक पाउडर एक कैलिब्रेटेड फनल के माध्यम से प्रवाह दर का निर्धारण (गुस्तावसन फ्लोमीटर)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
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 17087 : 2019 Textiles Manmade Filament Yarns Determination of Shrinkage in Boiling Water	आईएस 17087:20 19 कपड़ा उबलते पानी में संकोचन का यकृत निर्धारण यार्न निर्धारित करता है
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
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 17088 : 2019 Textiles Synthetic Filament Yarns Determination of Shrinkage in Dry-Hot Air (After Treatment)	आईएस 17088:2019 कपड़ा सिंथेटिक फिलामेंट यार्न सूखी-गर्म हवा में संकोचन का निर्धारण (उपचार के बाद)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
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 17089 : 2019/ISO 433 : 2017 Conveyor Belts Markings	आईएस 17089: 2019/ आईएसओ 433: 2017 कन्वेयर बेल्ट मार्किंग
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
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 17093 : 2019 Technical Supply Conditions for Reciprocating Air Compressors for General Purpose and Industrial Applications	आईएस 17093: 2019 सामान्य प्रयोजन और औद्योगिक अनुप्रयोगों के लिए पारस्परिक कंप्रेशर्स के लिए तकनीकी आपूर्ति की स्थिति
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS 10962 :1984 Technical Supply Conditions for Reciprocating Air Compressors Above 60 kW IS 11012 : 1984 Technical Supply Conditions for Reciprocating Air Compressors Above 25 and Up to and Including 60 kW IS 11465 : 1985 Technical Supply Conditions for Reciprocating Air Compressor for Power up to 25 kW for General Purpose and Industrial Applications	आईएस 10962: 1984 60 किलोवाट से ऊपर के एयर कंप्रेशर्स की रिकूट्रिकेटिंग के लिए तकनीकी आपूर्ति की शर्तें 11012 सामान्य प्रयोजन और औद्योगिक अनुप्रयोगों के लिए आईएस11012: 1984 25 और ऊपर और 60 किलोवाट को शामिल करने के लिए एयर कंप्रेशर्स को रिक्रिप्रोकेट करने के लिए तकनीकी आपूर्ति शर्तें 25 से ऊपर और 60 किलोवाट आईएस को शामिल करने के लिए 11465: 1985 जनरल पर्पस और औद्योगिक अनुप्रयोगों के लिए पॉवर के लिए 25किलोवाट तक के लिए एयर कंप्रेसर की पारस्परिक आपूर्ति के लिए तकनीकी आपूर्ति की स्थिति।
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019
No.,Year & Title Of The Indian Standards Established भारतीय मानकों की संख्या, वर्ष एवं शीर्षक	IS/IEC 61558 (Part 2/ Sec 4) : 2009 Safety Transformers, Reactors, Power Supply Units and Similar Product for Supply Voltages up to 1 100 V Part 2-4: Particular Requirements and Tests for Isolating Transformers and Power Supply Units Incorporating Isolating Transformers	आईएस/आईईसी 61558 (भाग 2 /सेक 4): 2009 सुरक्षा ट्रांसफॉर्मर, रिएक्टर, विद्युत आपूर्ति इकाइयां और इसी तरह के उत्पाद की आपूर्ति वोल्टेज के लिए 1 100 ट भाग 2-4: विशेष रूप से आवश्यकताओं और आईसोलेटिंग ट्रांसफॉर्मर और बिजली इकाइयों को अलग करने के लिए टेस्ट शामिल ट्रान्सफॉर्मर
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
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 61810-7 : 2006 Electromechanical Elementary Relays Part 7 Test Measurement Procedures	आईएस/आईईसी 61810-7:2006 इलेक्ट्रोमैकेनिकल एलिमेंटरी रिले पार्ट 7 टेस्ट मेजरमेंट प्रोसीजर
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
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 62056-4-7 : 2015 Electricity Metering data Exchange The DLMS/ COSEM Suite Part 4-7 DLMS/COSEM Transport Layer for IP Networks (First Revision)	आईएस/आईईसी 62056-4-7: 2015 बिजली मीटरिंग डेटा एक्सचेंज आईपी नेटवर्क के लिए डीएलएमएस/सीओएसईएम सुइट पार्ट 4-7 डीएलएमएस/ सीओएसईएम ट्रांसपोर्ट लेयर (पहला संशोधन)
Date Of Establishment जारी करने की तिथि	25 Feb 2019	25 फरवरी 2019
No. and year of the amendment संशोधन की तिथि एवं वर्ष	IS/IEC 62056-47 : 2006 Electricity Metering Data Exchange for Meter Reading, Tariff and Load Control Part 47 COSEM Transport Layers for IPv4 Networks	आईएस/आईईसी 62056-47: 2006 बिजली मीटरिंग डाटा एक्सचेंज फॉर मीटर रीडिंग, टैरिफ एंड लोड कंट्रोल पार्ट 47 सीओएसईएम ट्रांसपोर्ट लेयर्स फॉर आईपीवी4 नेटवर्क
Date Of Cancellation रद्द होने की तिथि	25 Feb 2019	25 फरवरी 2019

NEWS YOU CAN USE

ROUNDTABLE TALKS

Organized by the Ministry of Steel, Government of India, Roundtable Discussions on "Ispati Irada: Enhancing Steel Usage in the Country", was held on June 30, 2020. An official of the Civil Engineering Department, BIS delivered a talk on the availability of various Indian standards on steel design and construction, and on their implementation in academics, design offices and in field.

NEWS THAT MATTERS

GOING INDIGENOUS

INDIA TO SET STRICT RESTRICTIONS ON NON-ESSENTIAL IMPORTS FROM CHINA

The Ministry of Commerce and Industry has announced that 371 items from China would get strict restrictions from March 2020. The move aims at curbing imports of non-essential items such as plastic goods, toys, furniture and sports.

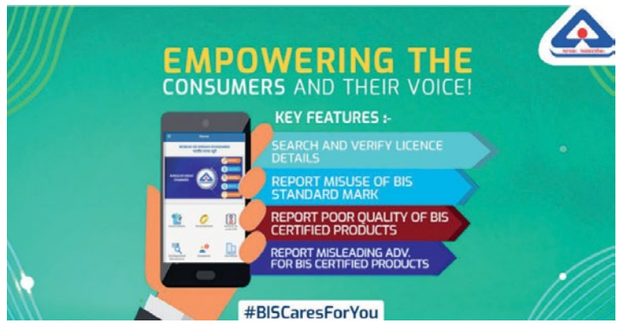
Currently there are 370 standards for imports. India's plan is to increase it to 5,000 in the second phase. The move will help boost the local industries and help Indian consumers get quality products. The non-essential commodities imports include petrochemicals, chemicals, heavy industrial products, steel products, telecommunication, electronics, etc. Apart from trade relations with China, India is also concentrating on FTA (Free Trade Agreement) with ASEAN, Japan and South Korea that enjoy free access to Indian markets. The step is being considered to boost domestic goods.

The imports from China that are categorized as non-essential amount to 4 trillion USD. Also, trade deficit with China is widening and it currently stands at 53.6 billion USD. The step will help in reducing India's dependence on China and will also help in curbing low-quality imports from China. This is the main reason why India refused to join RCEP.

The rules are to be framed by the ministry in coordination with the Bureau of Indian Standards. Though the rules focus on Chinese imports, it will also be applicable to Indian producers in order to make the regulations WTO-compliant.

BIS-CARE APP

MINISTRY OF CONSUMER AFFAIRS LAUNCHES NEW MOBILE APPLICATION



The mobile application of the Bureau of Indian Standards (BIS) known as BIS-Care, has been launched by the Union Minister for Consumer Affairs, Food & Public Distribution Shri Ram Vilas Paswan recently so that the consumers can check the authenticity of the ISI-marked and hallmarked products through the application. The customers can also lodge their complaints using this platform.

The BIS-Care app is going to enhance the capacity of enforcement of the standardization implementation initiatives. The Bureau is also working on implementation of e-BIS platform as well, in order to facilitate the user experience by integrating the various services provided by BIS on a single platform. The Bureau of Indian Standards is the national standards body functioning under the Ministry of Consumer Affairs, Food and Public Distribution, Government of India. It was established by the Bureau of Indian Standards Act, 1986.

WHO REPORT

GROUND WATER CONTAMINATED WITH URANIUM IN INDIA

The Minister of State for Jal Shakti, Shri Rattan Lal Kataria, announced in the Parliament, earlier this year that the ground water is contaminated with Uranium at 30mg (micro-grams) per litre in the country.

According to the Ministry, the World Health Organization (WHO) has quoted that the ground water in localized areas of certain states and union territories have been contaminated with Uranium. The prevalence of Uranium is above 30 mg (micro-grams) per litre.

The Organization also quoted that the states such as Chhattisgarh, Andhra Pradesh, Haryana, Gujarat, Himachal Pradesh, Karnataka, Jharkhand, Odisha, Rajasthan, Punjab, Telangana, West Bengal, Uttar Pradesh and Jammu & Kashmir have occurrence of Uranium in ground water.

The Bureau of Indian Standards has set the maximum permissible limit of Uranium in drinking water as 0.03mg per litre. As per reports, intake of large amount of Uranium causes kidney problems. Uranium is rare. It is naturally spread in the environment. It derives from soil, rocks and gets dissolved in water.

NATIONAL LIGHTING CODE

SEMINAR ON LIGHTING FOR CPWD ENGINEERS

A seminar on revision of National Lighting Code was organized by Indian Society of Lighting Engineers (ISLE) in association with the Bureau of Indian Standards (BIS). Held early this year in New Delhi and attended by officials of the Electrotechnical Department of BIS, the seminar was organized for engineers working for the Central Public Works Department (CPWD) with the aim of familiarizing them with National Lighting Code SP 72: 2010 and its revision. A presentation was made by an official of the Bureau of Indian Standards (BIS) with respect to Indian Standards published by BIS on Lighting. The seminar was attended by 60 engineers from the CPWD, which is a premier Central Government authority in charge of public sector works.

FSSAI COMPLIANT

NEED FOR FSSAI COMPLIANCE ON COMMERCIAL FEED UNDERLINED

A meeting with respect to FSSAI direction regarding compliance of commercial feeds/feed material intended for food producing animals with the relevant BIS standards was held earlier this year, in New Delhi and attended by officials of the Food and Agriculture Department (FAD) of the BIS. The meeting deliberated on the concerns raised by the stakeholders regarding the implementation of the FSSAI direction regarding compliance of commercial feeds/feed material intended for food producing animals with the relevant BIS standards.

ARMOUR TECHNOLOGY

SEMINAR ON LATEST TRENDS, ADVANCEMENTS IN THE DOMAIN OF ARMOUR TECHNOLOGY SAFETY

A seminar on latest trends in armour technology was held earlier this year in New Delhi, and attended by the officials of the Mechanical Engineering Department (MED) of the Bureau of Indian Standards (BIS). The seminar saw important discussions regarding the latest trends in armour technology with respect to ballistic and blast protection being held.

The seminar also saw talks on the advancements in the domain of armour technology where emphasis was laid on the selection of armour plates with respect to user requirements and balancing contradictory requirements of protection, cost and weight. A ballistic plate is a protective armoured plate that is inserted into a bullet-proof vest to improve its safety during high-risk scenarios.

News courtesy: BIS and gktoday.in

Registered with the Registrar of Newspapers
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BUREAU OF INDIAN STANDARDS

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