

## **REVIEW OF BIS ANNUAL REPORT 2018-19**

The Bureau of Indian Standards (BIS), the National Standard Body of India was established under the BIS Act 1986, assuming the functions of the erstwhile Indian Standards Institution (ISI). BIS is responsible for the harmonious development of the activities of standardization and quality certification of goods and for matters connected therewith or incidental thereto.

The Bureau of Indian Standards Act, 2016, was published for general information in official gazette on 22 March 2016 and the Rules and Regulations under the Act are being framed.

Major achievements of BIS during the year 2018-19, as reported in its Annual Report are summarized below:

### **STANDARDIZATION**

The process of standards development adopted by BIS follows internationally accepted good standardization practices and is in compliance with the WTO-TBT code of good practice for preparation, adoption and application of standards. In the development of National Standards, BIS provides all interested stakeholders, with a neutral platform to come together and work towards common agreements. BIS currently provides a forum for 335 Sectional Committees, representing over a thousand experts from organized consumers and consumer bodies, regulatory and other government bodies, industries, scientists, technologists, testing organizations and individual experts. These committees work to develop consensus based voluntary National standards with stakeholder consultations.

A total of 340 Technical committee meetings were held during 2018-19, to consider draft standards and related technical documents in detail. It is the policy of BIS to formulate Indian Standards on emerging technologies and to withdraw obsolete standards.

During 2018-19, 1796 (new 980 and revised 816) standards were published. The total number of standards in force, as on 31 March 2019 was 20227.

### **CERTIFICATION**

During 2018-19, BIS operated the Product Certification Scheme under the Bureau of Indian Standards Act, 2016 and the Rules framed there-under and BIS (Conformity Assessment) Regulations, 2018. Under this Certification scheme, a manufacturer of a particular product is given the self-marking rights of the BIS standards mark (ISI mark) on his product after ensuring that his product complies with the relevant Indian Standard. Presence of Standard Mark (popularly known as ISI mark) on a product indicates its conformity to the relevant Indian Standard. The certification scheme is voluntary in nature, except for 136 product standards that have been made mandatory by the Central Government on considerations of health and safety of the consumer.

During the 2018-19, 4082 new licences were granted, which include 18 products covered for the first time under the scheme. The total number of Indian Standards which have been covered so far under BIS Certification Marks Scheme up to March 2019 was 966. The total number of operative licences as on 31 March 2019 were 34414.

## **Surveillance**

In order to monitor the operation of licences, during the year, a total number of 12034 inspections were carried out. In addition, about 23817 samples (including samples procured from market) were drawn for independent testing.

## **Foreign Manufactures Certification Scheme (FMCS)**

BIS has been operating separate Scheme for foreign manufacturers. Under this Scheme, foreign manufacturers can seek certification from BIS for use of BIS Standard Mark on their product(s). During 2018-19, 264 licences were issued under FMCS, taking the total number of operative licences to 874 against 99 Indian Standards. The licences granted covered products such as steel & steel products; cement; PVC insulated cables; tyres & tubes for automotive vehicles; plastic feeding bottles; switchgear products; plugs & socket-outlets and switches; HDPE & UPVC Pipes; Infant milk formula; ac static energy meters etc. from about 51 countries.

## **Compulsory Registration Scheme (CRS)**

The Ministry of Electronics and Information Technology (MeitY), then known as Department of Electronics & Information Technology (DeitY), in consultation with BIS, notified 'Electronics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012' on 3 October 2012 mandating Compulsory Registration from BIS for 15 Electronics and Information Technology products based on its safety compliance to Indian Standards. A second Order was notified on 13 November 2014, bringing 15 more electronics and Information Technology products under the ambit of the Scheme. MeitY has further notified requirement of Indian Language Support for Mobile Phones vide their notification dated 24 October 2016. Further, MeitY notified 13 more product categories in third phase of the order dated 23 August 2017.

Ministry of New and Renewable Energy (MNRE) vide their notification dated 05 September 2017 notified 5 products under the Solar Photovoltaics, Systems, Devices and Components Goods (Requirements for Compulsory Registration) Order, 2017.

The Compulsory Registration Scheme is being operated by BIS under the Scheme – II of Schedule – II of the BIS (Conformity Assessment) Regulations, 2018.

The first licence was granted by BIS in June 2013. As on 31 March 2019, BIS has granted 17251 licences to manufacturers in various countries including domestic manufacturers.

## **LABORATORY SERVICES**

One of the main pillars of conformity assessment is product testing to ascertain the conformity of products to relevant standards. BIS has established eight laboratories in the country to cater to the testing need of samples generated from conformity assessment

schemes, beginning with the establishment of Central Laboratory at Sahibabad in 1962. Subsequently, four regional laboratories at Mohali, Kolkata, Mumbai and Chennai and three branch office laboratories at Patna, Bangalore and Guwahati were established. BIS laboratories have facilities for testing of products in the field of chemical, microbiological, electrical and mechanical requirements. In addition to product testing, BIS has established gold assaying lab at Chennai, Sahibabad and Kolkata. Gold assaying lab at Chennai is a referral lab and also tests silver jewellery.

BIS labs have complete test facilities for 398 Indian Standards and in addition, partial test facilities are also available for 320 Indian Standards. During the year 2018-19, the BIS laboratories have tested 19532 samples of various products covered under Certification. In addition, the Gold Referral Assaying Laboratory at Chennai and Sahibabad have issued 5139 test reports during the year

### **Lab Recognition Scheme**

As the volume of work for testing of samples generated from conformity assessment schemes is much larger than the available capacity in BIS labs, BIS has established Laboratory Recognition Scheme (LRS) for recognition of outside laboratories (OSLs). The services of such laboratories are utilized when it is economically not viable to develop test facilities in BIS labs or when BIS labs are overloaded. The scheme is based on International Standard IS/ISO/IEC 17025, and in line with the criteria adopted by the National Accreditation Board for Testing and Calibration Laboratories (NABL) for accreditation of laboratories.

During the year, 35 new labs were recognized and 08 labs were de-recognized. As on 31 March 2019, the total no. of operative BIS recognized labs were 237, which include reputed R&D organizations, technical institutions, Govt. labs and Private sector labs (Government labs – 76 and Private labs - 161). Besides this, services of 253 Government laboratories of specialized nature are utilized for different products, as and when required.

To support the newly launched BIS Compulsory Registration Scheme, 65 outside labs are testing IT products, which were covered under Electronics and Information Technology Goods (Requirement for Compulsory Registration) Order, 2012.

### **Quality Assurance Activities**

Quality Assurance is a regular part of testing in BIS Labs by way of which the quality of testing is assured. During the year, 901 Samples were tested under Quality Assurance activities by BIS Labs. These also include the samples tested during participation in proficiency testing/ inter-lab comparison program.

### **Training**

The manpower working in labs are being trained on regular basis to keep them abreast of the latest developments. During the year, 66 BIS officials were trained for IS/ISO/IEC 17025 Laboratory Quality Management System.

## **HALLMARKING**

Hallmarking of gold jewellery was launched by BIS in April 2000 to provide third party assurance to consumers on the purity of gold jewellery or its fineness. The scheme for Hallmarking of silver jewellery/ artefacts was launched in October 2005. Under these Scheme, while the jewellers are granted licence to sell hallmarked jewellery, Assaying &

Hallmarking (A&H) centres are recognized to assay the purity of the jewellery submitted by the licensed jeweller, along with declaration of purity.

As on 31 March 2019, the number of operative licences for Hallmarking of gold and silver jewellery were 24623 and 2065 respectively. The number of operative BIS recognized A&H centres was 797. During the year, 4.49 crore articles of gold and silver jewellery/ artefacts were hallmarked.

### **Hallmark of Gold Bullion/Coin**

Hallmarking of gold Bullion/Coin in the fineness of 999 & 995 by giving licence to refineries/Mint was started in October 2015. During 2018-19, eleven licences have been granted to the refineries for the hallmarking of gold Bullions/Coins. As on 31 March 2019, 25 licences have been granted to refineries/ India Government Mint for Gold bullion and coin.

### **Gold Monetization Scheme**

Government of India has launched Gold Monetization Scheme on 5 November 2015. BIS has played an important role in finalization and implementation of the Gold Monetization Scheme in association with Department of Economic Affairs, Ministry of Finance and Reserve Bank of India. Under the scheme A&H Centres recognized by BIS have been qualified to act as Collection and Purity Testing Centres (CPTC). So far 48 A&H centres and one Jeweller have been qualified to act as CPTC. The gold collected by CPTCs is to be refined by refineries licenced by BIS.

### **Promotion of Hallmarking**

To promote hallmarking in the country and for effective consumer protection, awareness programmes are organized by BIS through its various Regional and Branch offices across the country. During 2018-19, 58 such jewellers' awareness programmes were organized.

## **MANAGEMENT SYSTEM CERTIFICATION**

BIS is operating various Management Systems Certification schemes. As on 31 March 2019, 797 Quality Management System Certification (QMS) licences, 189 Environmental Management Systems (EMS) Certification licences, 111 Occupational Health & Safety Management Systems (OHSMS) Certification licences, 01 Hazards Analysis and Critical Control Point (HACCP) stand-alone licences, 24 HACCP licences integrated with QMS, 22 Food Safety Management System (FSMS) licences, 108 Service Quality Management System (SQMS) licences, 28 Energy Management System (EnMS) licences, 01 one Medical Devices Management System (MDMS), 01 Road Traffic Safety Management Systems licence, 01 licence Ready Mixed Concrete licence, 01 Social Accountability Management Systems licence were in operation.

As on 31<sup>st</sup> March 2019, a total of 1284 operative licences exist under the Management Systems Certification schemes being operated by BIS.

## **INTERNATIONAL ACTIVITIES AND TECHNICAL INFORMATION SERVICES**

BIS in its capacity as the National Standards Body of India, is a member of International Organization for Standardization (ISO) and through the Indian National Committee is a member of International Electro-technical Commission (IEC). BIS actively participates in the activities of these International bodies and is involved in development of International Standards as Participating (P) member or Observer (O) member on various Technical Committees and Sub-Committees; and nominates technical experts in Working Groups of these bodies. As on 31 March 2019, BIS is a 'P' member in 456 Technical Committees/ Subcommittees of ISO and 91 Technical Committees/Subcommittees of IEC, and 'O' Member in 204 Technical Committees/Subcommittees of ISO and 77 Technical Committees/ Subcommittees of IEC. The Secretariat of 10 important ISO Committees dealing with subjects that are of interest to India are being held by our country through BIS. Chairmanship of IEC Technical Committee IEC TC 33 "Power capacitors and their applications" is also held by India.

India is currently a member in ISO Council, represented by DG BIS, the apex policy committee of ISO (Term 2017-19) and a member of ISO Council Standing Committee on Finance (CSC/FIN) and ISO Council Standing Committee on Oversight (CSC/OVE) for term 2018-19.

BIS has entered into Memorandum of Understanding (MoUs) and Bilateral Cooperation Agreements (BCAs) with the National Standards Bodies of various countries for cooperation in the areas of standards, Conformity assessment, testing and training/ capacity building and for mutual acceptance of each other's conformity assessment results respectively. BIS has so far signed 30 MoUs and 7 BCAs of which 02 MoUs were concluded during 2018-19.

## **TECHNICAL INFORMATION SERVICES & WTO-TBT ENQUIRY POINT**

BIS provides technical information services in the field of standards and conformity assessment to industry, importers, exporters and government agencies in response to their enquiries. Around 200 enquiries were responded during the period from April 2018 to March 2019.

### **Sponsorship of Identification Numbers**

- ***Issuer Identification Number (IIN)***

BIS facilitates issue of IINs as per ISO/IEC 7812 'Identification Cards - Identification of issuers' by sponsoring applications of Banks/ Financial Organizations to the American Bankers Association (ABA). The ISO/IEC 7812 specifies a numbering system for the identification of issuers of the identification cards used in international and/ or inter-industry interchange.

- ***World Manufacturer Identifier (WMI) Number***

In co-ordination with the Society of Automotive Engineers (SAE), USA; BIS issues WMI Codes as per ISO 3780 : 2009 'Road Vehicles - World Manufacturer Identifier (WMI) Code' to automobile manufacturers and exporters in India. 143 WMI Codes have been allotted to various vehicle manufacturers during 2018-19.

## **TRAINING SERVICES**

National Institute of Training for Standardization (NITS) was set up under the aegis of BIS in 1995 to meet the growing needs and expectations of the industry for quality training in the fields of standardization, quality assurance, management systems, certification, laboratory testing, etc. NITS has also been organizing various International Training Programmes for the developing countries of Asia, Africa, Europe and Latin and South America. The programmes are conducted by a team of well-experienced, qualified and trained faculty.

During year 2018-19, NITS conducted a number of training programmes for the Industry, International participants and BIS employees. There has been an increase in the number of programmes organized during the period as well as the number of persons trained vis-à-vis the number of programmes carried out and the number of persons trained in the previous years. The total number of programmes conducted during this period is 196. The number of personnel trained during 2018-19 for the industry was 2720 which is about 1.53% more than the last year figures of 2679.

## **CONSUMER AFFAIRS**

BIS endeavours to provide its services and the benefits of standardization and certification to all its stakeholders in a focused manner. The Consumer Affairs department of BIS handles various consumer related activities which include redressal of public grievances, organizing various awareness programmes for the stakeholders of BIS and holding of World Standards Day.

During the year, 182 consumer awareness programmes, 72 Industry awareness programmes, 40 Educational Utilization of Standards Programmes were organized across the country.

### **World Standards Day:**

BIS celebrated the World Standards Day on 15 Nov 2018 at New Delhi to pay tribute to the collaborative efforts of thousands of experts worldwide, which develop voluntary technical agreements that are published as International or National Standards. The World Standards Day theme for the year 2018 was 'International Standards and Fourth Industrial Revolution'. BIS on the occasion also organized a seminar on this theme. World Standards Day programmes were also held across the country by BIS Regional and Branch Offices.

## **PUBLICITY**

The publicity activity of BIS is aimed at creating awareness for BIS and its key activities among its target audience including the Industry and common Consumer and other stakeholders, significantly relating to Standardization, Certification of goods & services and Hallmarking. The publicity was done through print, electronic, outdoor media and digital media laying special emphasis on social media.

Publicity campaigns were taken up aiming at persuading consumers to buy ISI Marked goods and Hallmarked Gold Jewellery. Consumers were also informed about the mechanism regarding the redressal of complaints relating to BIS. Participation in popular

consumer and industrial fairs/exhibitions to disseminate information on the various activities of BIS was also made at regional and branch level as well.

## **SALE OF STANDARDS AND OTHER PUBLICATIONS**

BIS sells Indian Standards and Special Publications through 25 different sales outlets located at the Headquarters (HQs), Regional Offices and Branch Offices. Sale is also done through registered booksellers. BIS also sells foreign standards (ISO, IEC, BSI London, DIN Germany, JIS Japan) in India. BIS also sells Indian Standards through e-portal. Standards can be downloaded in the form of soft copy. Alternatively, an order for hard copy can be placed through the e-portal. Online payment can be made over the portal through credit/debit card. Customers can also make payment for standards through NEFT/RTGS.

## **HINDI ACTIVITIES**

BIS is following all the act, rules, directions and orders issued by the Department of Official Language regarding official language. Official Language Committee of HQ conducted all its four quarterly meetings on time. The Second Sub Committee of Committee of Parliament on Official Language inspected CRO on 7.06.2019 and Faridabad and Ghaziabad on 15.05.2019 and 19.01.2019. The Committee expressed satisfaction over the progressive use of Hindi in BIS. During the year, around 300 titles of standards were also made bilingual.

Hindi Pakhwada and workshop were also organized during the year.

## **PLAN SCHEMES**

### **Hallmarking:**

BIS has been implementing the Plan scheme for setting up of gold Assaying and Hallmarking (A&H) centres in India with central assistance.

During 2018-19, BIS received ₹ 100 lakhs under this scheme and spent ₹ 49.23 lakhs. 20 artisan training programmes, 08 A&H personnel training programmes and 04 Training of Trainers programme were conducted. One centre has been provided Central Assistance under the scheme during 2018-19.

### **National System for Standardization:**

The scheme on National System for Standardization (NSS) under plan scheme is in operation.

During 2018-19, BIS has received Rs. 100 lakhs and the same has been spent on various components of the scheme.

## **INFORMATION TECHNOLOGY SERVICES**

In line with the Government's vision of Digital India and Ease of Doing Business, BIS is actively in the process of digital improvement of its systems. As a part of this endeavour, software have been made operational/upgraded for e-management of various activities/schemes of BIS such as Standardization, Product Certification Scheme, Compulsory Registration Scheme (CRS), World Trade Organization - Technical Barriers to Trade (WTO-TBT) notifications, National Laboratory Directory, etc. E-procurement has been operational through Central Public Procurement (CPP) portal of National Informatics Centre (NIC). BIS website (<https://bis.gov.in>) has been revamped in accordance with Guidelines for Indian Government Websites (GIGW). Further, BIS blog, social media handles like Facebook, Twitter, etc. have been created for e-interaction with various stakeholders.

A comprehensive software (e-BIS) encompassing all activities of BIS has been envisaged with integration of all software and advanced features like data analytics, artificial intelligence, good MIS for effective monitoring, user-friendly interfaces, etc. Also, to supplement our digitization initiatives, the bandwidth in BIS offices is being upgraded to 16 Mbps.

## **PROJECT MANAGEMENT AND WORKS**

The works relating to construction of new office buildings for BIS Offices and renovation works in existing buildings is undertaken by Project Management and Works Department (PMWD) of BIS.

PMWD has also undertaken a 'green' initiative under which Rooftop Solar Power Plants have been installed in BIS buildings through the Solar Energy Corporation of India. Net Metering Systems have also been installed at BIS-HQ, New Delhi, NITS, Noida and Hyderabad Branch Office.

## **VIGILANCE ACTIVITIES**

The vigilance set up of Bureau of Indian Standards (BIS) is headed by the Chief Vigilance Officer (CVO) and comprises of Vigilance Department at BIS Headquarters and a Vigilance Section in the Secretariat of each of the Disciplinary Authority for Group B, C & D employees (Deputy Director General concerned).

The Vigilance Department functions in close coordination with Central Vigilance Commission (CVC), Central Bureau of Investigations (CBI) and Ministry of Consumer Affairs, Food & Public Distribution. It is entrusted with the responsibility of managing all vigilance related activities of the Bureau in accordance with the guidelines on the subject issued by Central Vigilance Commission and DoPT etc.



## **HUMAN RESOURCES DEVELOPMENT, ADMINISTRATION AND GENERAL SERVICES**

As on 31 March 2019, 1284 employees were on the rolls of BIS.

**Swachh Bharat Mission** – During the year 2018-19, the Swachh Bharat drive was carried out in BIS in two phases i.e. 15 September 2018 - 02 October 2018 and 16 February 2019 to 28 February 2019.

**Agreement for BNPL Scheme** - The Bureau entered into an agreement with I.P.H.O., New Delhi on 05 March 2018, for sending the Dak through Speed Post under BNPL (Book Now Pay Later) Scheme.

**Staff Welfare** - BIS continued its welfare measures for its employees namely by way of Group Insurance Schemes, facility of Holiday Homes, subsidized refreshments, medical facilities, Children Scholarship Scheme etc.

**Library Services** - BIS technical Library located at Headquarters is a national resources centre for information on standards and related matters and meets the needs of industry, trade, government, researchers and consumers alike.

**SEXUAL HARASSMENT OF WORKING WOMEN AT WORKPLACE** - In compliance with the guidelines of the Supreme Court of India on the prevention of sexual Harassment of women at the work place, an Internal Complaints Committee was constituted in Bureau of Indian Standards in Feb 1998 that has since been reconstituted vide OM No.Estt.-III/ICC/76: 01/2018 dated 9 January 2018. The composition of the newly constituted Internal Complaints Committee (ICC) at BIS, HQ- New Delhi consists of a senior level women employee as Presiding Officer along with two other members from BIS-HQ and one of the members from All India Democratic Women's Association (AIDWA). New Delhi. The Internal Complaints Committee (ICC-HQ) celebrated "International Women's Day at BIS HQ, New Delhi on 08 March 2019 with the participation of all employees posted at BIS HQ, New Delhi.

## **FINANCE ACCOUNTS AND AUDIT**

For the Thirtieth consecutive year i.e. 2018-19, Bureau of Indian Standards continued to be self-reliant in meeting its expenditure and other liabilities. The total income (excluding income from investment) during the year 2018-19 amounted to Rs.70579.52 lakh as against Rs.58736.57 lakh in the previous year resulting in an increase of 20.16%. The largest contribution to the income was from Product Certification Marking Fee which stood at Rs. 55410.11 lakh against Rs. 49875.82 lakh in the previous year i.e. an increase of 11.10%. The total revenue expenditure during the year 2018-19 amounted to Rs. 27901.09 lakh as against Rs. 27168.34 lakh in 2017-18 registering an increase of 2.70%.