

**PRESENTATION ON ROADMAP
BUREAU OF INDIAN STANDARDS**

INTRODUCTION

- **Indian National Strategy for Standardization (INSS)** was formulated by Ministry of Commerce & Industry.
- Based on INSS, BIS prepared **Standards National Action Plan(SNAP)** with five objectives:
 - Identification of standardisation needs and enhancing stakeholder involvement
 - Making standardisation processes efficient and fast
 - Ensuring harmonious standardisation activities in the country
 - Increased participation and involvement in international standardisation activities
 - Increasing awareness and implementation of standards
- SNAP also mentions the action points for each of these objectives.

INTRODUCTION (contd...)

KEY STANDARDIZATION SECTORS IN SNAP

Aerospace

Environment

Petroleum

Agriculture

Food & Food Processing

Power

Appliances

Health & Safety

Services

Automotive

Healthcare

Steel

Building & Construction

Information Technology

Textiles

Chemicals

Leather

Transport

Coal & related products

Manufacturing

Urban Development

Electronics

New & Renewable
Energy

Water Resources

Engineering

Petrochemicals

INTERNATIONAL COOPERATION

- Founder member of International Organization for Standardization (ISO)
- Represents India in the International Electrotechnical Commission (IEC)
- Works as WTO-TBT Enquiry Point for India.
- 30 Memorandum of Understanding (MoU) & 07 Bilateral Agreements.
- Membership Status in International Standardization Committees:

ISO (671)	IEC (170)
P member: 477	P member: 97
O member: 194	O member: 73

LEADERSHIP POSITIONS

- BIS elected as TMB member (2020-2022)
- Member in Standardization Management Board (SMB) of IEC since 2015 (elected for second term 2018- 2020)
- Secretariat of 10 ISO Committees.
- Convenership of 21 working groups of ISO and 10 working groups/ task groups/ management team of IEC.
- BIS is also actively involved in the Regional cooperation under South Asian Association for Regional Co-operation (SAARC).

SOME IMPORTANT STATISTICS

Number of Regional Offices	05
Number of Branch Offices	32
Number of Standards in force of which product standards	20866 10,296
Number of licences in operation	36977
licences under voluntary certification	19605
Licences under mandatory certification	17372
Number of BIS Labs	08
Number of private Labs recognized by BIS	246
Number of Government Labs empaneled by BIS	255
Number of product samples tested	25050
Number of surveillance inspections	7481
Number of Market Samples drawn	8911
Number of Registered Jewellers	31077
Number of Assaying & Hallmarking Centres	919
Number of licences under CRS	16305
Number of licences under FMCS	1105

MANPOWER STATE

CATEGORY	SANCTIONED STRENGTH	PRESENT STRENGTH	VACANCY
SCIENTIFIC CADRE (GROUP-A)	579	410	169
A&F CADRE (GROUP-A)	57	32	25
GROUP-B	640	333	307
GROUP-C	944	381	563

REASONS FOR AUGMENTATION OF MANPOWER IN BIS

Item	Status as on 31 March 1987	Status as on 25 June 2020
No. of Standards	13533	20866
No. of operative licences	9350	36977
No. of registered Jewelers	NIL	31077
No. of recognized Assaying & Hall marking centers	NIL	919
No. of licences under FMCS	NIL	1105
No. of licences under CRS	NIL	16305
No. of licences under MSC	NIL	1282
No. of BIS recognized labs	240	246

INFRASTRUCTURE IMPROVEMENT

- BIS has nation-wide presence with:
 - Headquarter at New Delhi
 - 5 Regional Offices at Chandigarh, Delhi, Mumbai, Kolkata and Chennai
 - 32 Branch Offices in various States
 - 8 Laboratories
- Out of 33 Branch Offices, 14 are housed in BIS owned buildings and 18 are functioning from rented premises.
- Out of 8 labs, 6 are housed in BIS owned buildings and 2 are functioning from rented premises.
- Residential Flats at 8 stations.
- Target is to have all the Branch Offices and Laboratories in their own building.

ONGOING PROJECTS IN BIS

Construction/ Renovation of BIS Branch Offices

Lucknow Branch Office

Raipur Branch Office

Modernization of all BIS Labs

CL, Sahibabad

NROL, Mohali

EROL, Kolkata

WROL, Mumbai

SROL, Chennai

BNBOL, Bengaluru

PBOL, Patna

GBOL, Guwahati

Acquisition of lands to set up BIS Offices/ Labs

Pune

Kochi

Coimbatore

Panaji

Kondapalli

Hubli

Bhubaneswar

Ranchi

Guwahati

Works at Headquarter, New Delhi

Ongoing
Renovation of
Manak Bhawan

Renovation of 24
BIS Flats at
Kaushambi

Creche at Hq

Rain Water
Harvesting at Hq

INFRASTRUCTURE IMPROVEMENT

Purchase of lands/built-up spaces to set up BIS Offices at various stations across the country

- DG, BIS has written to Chief Secretaries of various States for purchase of one-acre freehold lands at Itanagar, Panaji, Imphal, Shillong, Aizawal, Kohima, Gangtok, Agartala, Parwanoo, Dehradun, Patna, Coimbatore, Kochi, Amaravati, Hubli, Ahmedabad, Pune and Nagpur.
- BIS has approached BSNL for purchase of one-acre free-hold land. BSNL has since offered lands at 6 stations namely, Kochi, Coimbatore, Panaji, Hubli, Pune and Kondapalli.

ORGANIZATIONAL IMPROVEMENT

- Creating satellite stations of Branch Offices in major industrial areas
- PROCESS REENGINEERING:
 - Proposal for amendment to BIS Act, 2016, being sent to DoCA
 - Proposal for amendment to BIS Rules 2018 and various regulations under the BIS Act sent to DoCA
 - Working Groups constituted and their reports received on the areas of Process Reengineering for greater efficiency
- USE OF INFORMATION TECHNOLOGY:
Automation of all the aspects of its functioning through e-BIS which covers automation of:
 - Standardization
 - Conformity Assessment
 - CRS
 - FMCD
 - Laboratory Management
 - Hallmarking
 - MSCD
 - Training
 - Consumer Engagement
 - Personal and Finance Management

ORGANIZATIONAL IMPROVEMENT

- Standardization and Training Portals ready for launch
- Jeweller Registration & Renewal and Assaying & Hallmarking Centre Recognition & Renewal modules of Hallmarking in final stages of preparation
- Mobile-app under integration with the complaint module
- Agency engaged for development of Laboratory Information Management System (LIMS)
- Virtual meeting of Technical Committees for Standard Formulation
- Virtual inspections for the factories located at remote locations

ACTIONS INITIATED FOR MANPOWER AUGMENTATION

- Recruitment for 150 posts of Scientist-B and promotion through LDCE for 12 Scientist-B initiated
- Process for the recruitment of 50 vacant posts of Lab Cadre initiated
- A&F Cadre regulations notified on 25th June 2020, process being initiated to fill up the vacant posts
- Proposal for increasing the sanctioned strength of Scientific Cadre Officers from 579 to 690 being sent to DoCA.
- RFP floated for engagement of agency for factory surveillance
- EOI for engagement of agency for market surveillance floated and RFP under preparation
- Engagement for agents for Hallmarking has been initiated
- EC approved the hiring of 166 Technical Assistants for labs.
- EC approved the hiring of 150 agents for certification.

ACTIONS INITIATED FOR MANPOWER AUGMENTATION

- Proposal approved for hiring of consultants for following purposes:
 - Creation of Marketing and Consumer Interface Wings at ROs/BOs
 - Engagement of Executive Assistants for Standardization
 - Strengthening the in-house IT Team
 - Engagement of Business Development team for Management Systems Certification
 - Graduate Engineers for Compulsory Registration Scheme
 - Professionals in the field of Project Management and Action Research

ROADMAP FOR STANDARDIZATION

- Identification of new areas for Standard formulation like Artificial Engineering, Blockchain Technology, e-Mobility, Green Construction, Green Buildings, Smart Cities, etc.
- Standard formulation in the field of 12 Champion Services Sectors identified by the Government ensuring greater participation of the State Governments & Consumer Groups in standard formulation.
- Integration of Indian Standards into the curricula of professional educational institutions.
- Campaign for quality awareness through National Level Standardization Competition for students of higher secondary schools.
- Promoting research & action research in partnership with reputed institutions in the country.

ROADMAP FOR CONFORMITY ASSESSMENT

- Introduction of best practices in other countries into the certification & surveillance system.
- Introduction of mobile-app based & artificial intelligence enabled surveillance system.
- Use of new methods like factory testing through video-conference and digital cameras.
- Better coordination with customs department for port level surveillance of imported goods.
- Automation of Assaying & Hallmarking Centres.
- To expedite the testing of product samples by implementing LIMS in BIS and recognized laboratories.

MODERNIZATION OF BIS LABORATORIES

- Establish new testing facilities in new BIS Labs. Already, tender for 55 equipment worth **Rs 96 crores** approx opened for:
 - Upgrading existing facilities with automated and computer-controlled equipment having reduced human intervention
 - Completing existing partial facilities in to complete facilities
 - Creating additional facilities to cover new products
 - Creating facilities in all BIS labs for Referral Assaying Laboratory and for drinking water
 - Creation of Center of Excellence at BIS Labs.
- Development of test facilities for PPEs at Central Laboratory, Sahibabad
 - A total of 40 equipment with an approximate cost of 353 lakhs are being procured. Process is in advance stage.

NEW LABORATORIES PLANNED

- **Hyderabad Lab, Hyderabad**
 - PDW/ drinking water, RAL
 - Plywood and wood products
- **Ahmedabad Lab, Ahmedabad**
 - All types of Motors and Pumps
 - PDW/ drinking water & RAL
- **Lucknow lab, Lucknow**
 - Lab for Textiles and Medical Devices
- **PDW/ Drinking water labs and Referral Assaying Laboratories at all BIS Labs**
- **Referral Assaying Laboratories at Jaipur, Jammu**

CENTER OF EXCELLENCE AT BIS LABS

■ **Central Lab, Sahibabad**

- Testing of PDW/ Drinking water and other food items
- Testing of safety of Electrical/ Electronic Items
- Testing of Energy Meters
- Testing of Switchgear and control gear, including MCB

■ **Northern Regional Lab, Mohali**

- Testing of Plywood and other wood products
- Testing of Cables, Conductors and related products

■ **Western Regional Lab, Mumbai**

- Testing of UPVC and other Plastic Pipes
- Testing of Wiring Accessories and related Products

CENTER OF EXCELLENCE AT BIS LABS

■ **Southern Regional Lab, Chennai**

- Testing of PDW/ Drinking water and other food items
- Testing of Gold, Silver (Jewelry and Bullion)

■ **Eastern Regional Lab, Kolkata**

- Testing of various types of Steel and Steel products
- Testing of Cement and Cement related Products (Building Material)

■ **Bangalore Branch Office Lab, Bengaluru**

- Testing of non-electrical Appliances
- Testing of Chemicals (Other than water/ food)

ROADMAP FOR STANDARD PROMOTION & TRAINING

- Establishment of Standardization Cells in the Central Ministries/Departments, State Govt. Departments and Industry Associations.
- Operationalizing State level Committees on Standardization (SLCS).
- Development of a comprehensive social media plan.
- Development of videos on the critical aspects of functioning of BIS.
- Promulgation of Training Policy and Action Calendar.
- Focus on Blended Training Approach- Online & Offline.
- Development of Training Portal.
- Certification courses on Hallmarking and Quality Control

ROADMAP FOR CONSUMER ENGAGEMENT

- Development of consumer engagement portal for involving consumer organizations in Standard promotion, market survey & awareness generation activities.
- Organizing online training programs for consumer groups on new standards.
- Development of Mobile-App for verification of the authenticity of ISI marked and Hallmarked products and lodging of complaints.
- Establishment of the state-of-the-art facilitation centre.
- Posting of a marketing professional in each of the Branch Offices.
- National level Competition on Standard Formulation for students of High/Higher Secondary Schools.
- Partnership with grass-root level organizations like Self-help Groups.

THANK YOU

