



**WELCOME**

**SEMINAR ON IMPROVING RELIABILITY, SAFETY, QUALITY & ENERGY  
EFFICEINCY IN DISTRIBUTION TRANSFORMERS AND RELATED  
ISSUES**

**6<sup>th</sup> September 2019**

*Ajay Maurya*

*Scientist C*

*Bureau of Indian Standards*



# CONTENTS OF PRESENTATION

1. OVERVIEW OF BIS
2. CERTIFICATION SCHEME OF BIS
3. KEY UPDATE ON INDIAN STANDARD 1180 (PART 1):2014  
FOR DISTRIBUTION TRANSFORMERS AND QCO
4. SCHEME OF INSPECTION & TESTING
5. IMPORTANT SECTIONS OF BIS ACT 2016



# ABOUT BIS

# BUREAU OF INDIAN STANDARDS



**BIS –THE NATIONAL STANDARDS BODY OF INDIA  
FUNCTIONING UNDER MINISTRY OF CONSUMER AFFAIRS,  
FOOD AND PUBLIC DISTRIBUTION, GOVT. OF INDIA**

## **OBJECTIVES:**

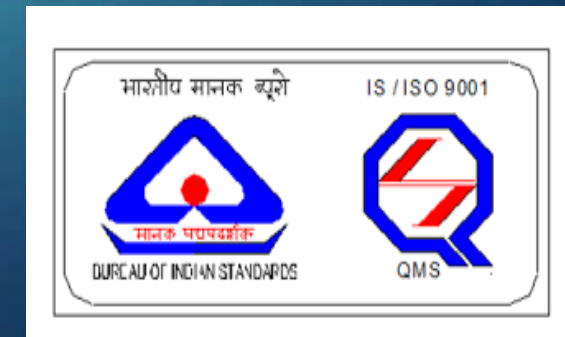
**Harmonious development of activities of  
standardization, marking and quality certification**

**Providing new thrust to standardization and quality  
control**

**Evolving the national strategy for according recognition  
to standards and integrating them with growth and  
development of industrial production and exports**

# MAIN ACTIVITIES

- Standards Formulation
- Certification
  - Product
  - Hallmarking of Gold & silver Jewellery
  - Quality Management System
  - Environmental Management Systems
  - Occupational Health and Safety Management System
  - Registration of electronic products
  - FMCS
  - Process
  - Services
- Laboratory Management
- International Activities
- Training Services
- Others
  - Information Services
  - Consumer Affairs & Standards Promotion
  - Sale of Standards





# MANDATORY BIS CERTIFICATION

## 137 Products

- Cement
- Gas Cylinders
- Electrical Appliances
- Infant Milk Products
- Pressure Stoves
- Miners' Safety Equipment
- Packaged Drinking Water and Natural Mineral Water
- Thermometers
- Pneumatic tyres for automobiles
- Electrical Transformers
- Capacitors etc.



# BIS CERTIFICATION SCHEMES FOR PRODUCTS MANUFACTURED OVERSEAS



- **Scheme for Foreign Manufacturers**

- Allow Grant of BIS Standard Mark to Foreign Manufacturers
- Prime Objective of the schemes is to regulate the quality of imports
- Many licences granted in countries such as France, UAE, South Korea, Nepal, Switzerland, Thailand, Singapore, Malaysia, Italy, Brazil, Bhutan, China, Indonesia etc.
- Products certified includes Smart Energy meters, Cement, Tyres, Wood Products, Steel Products, Milk Products, Clinical Thermometers, etc.

# COMPULSORY REGISTRATION SCHEME

- Compulsory Registration Scheme for IT products, Audio-Video Equipments, Microwave ovens and Electronic Clocks.
- MeitY is the implementing authority
- 44 Electronics and IT products under CRS
- 6 products of Photovoltaics system, devices and components, for which MNRE is the implementing authority.



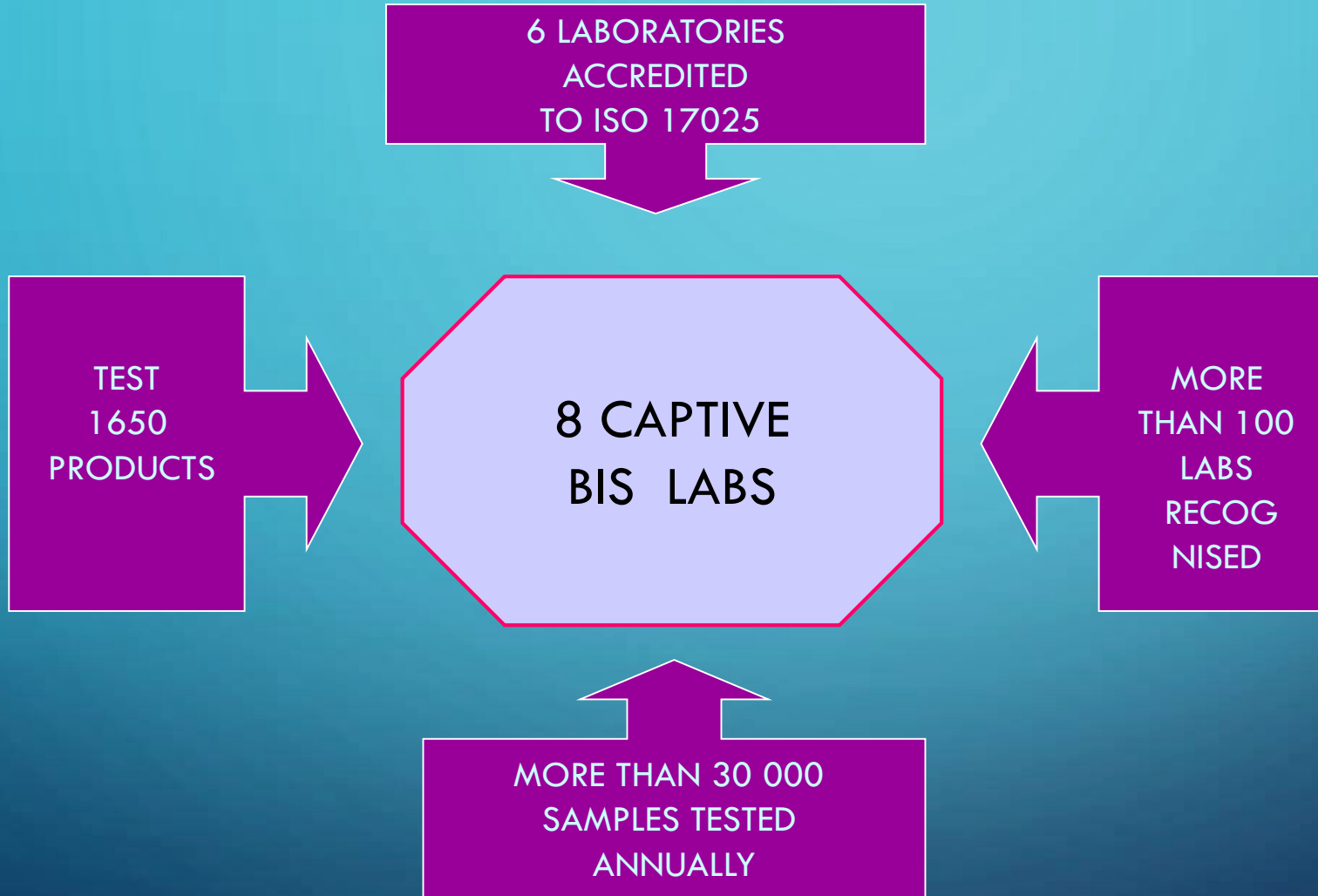




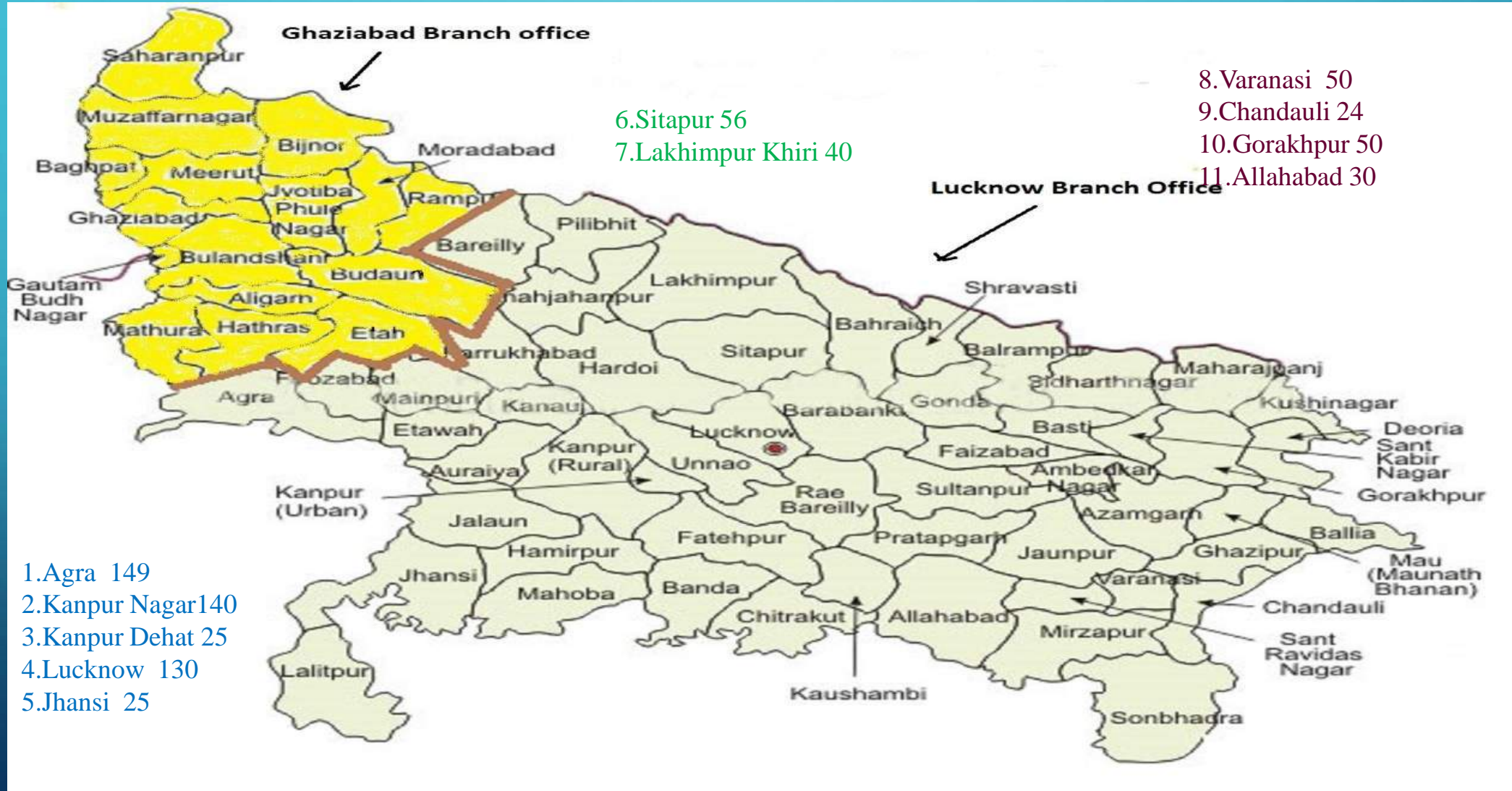
# CERTIFICATION ACTIVITIES

- Offers third party assurance, based on well defined scheme of testing and inspection and ensuring adequacy of in process quality control.
- Basically voluntary in nature
  - 137 products are however covered under mandatory product certification due to reasons of human health and safety
- Operated through various offices of BIS located throughout the country.(05 Regional offices,HQ, 33 BOs,08 laboratories)
- Licences in operation
  - Products covered > 1100
  - Industrial units covered > 8450

# LABORATORY TESTING



# GEOGRAPHICAL DISTRIBUTION OF LICENSEE OF BIS, LKBO





# PRODUCT CERTIFICATION LICENSES

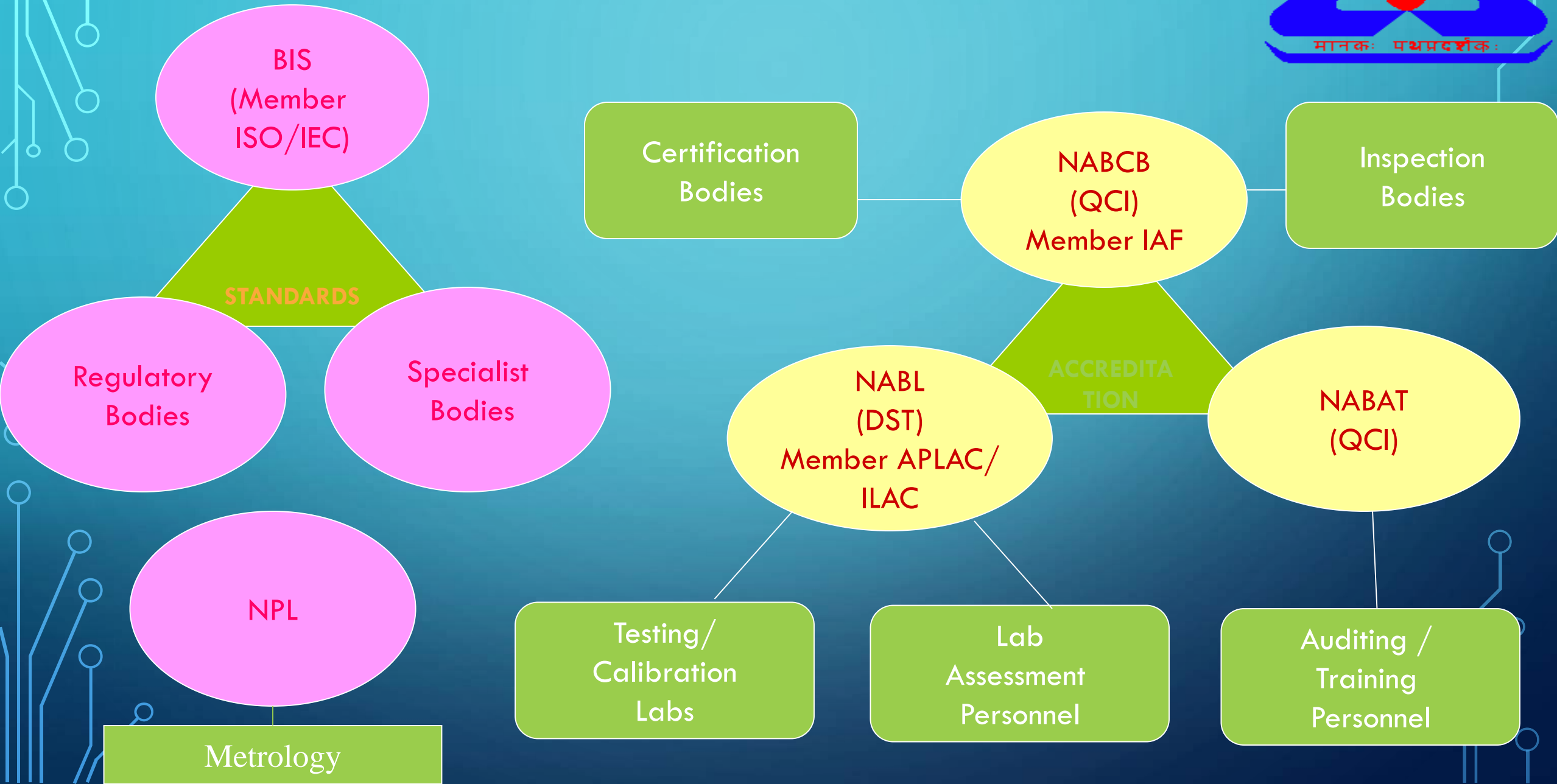
- **No. of Licences 960**
  - Mandatory 303
  - Voluntary 657
- **No. of Licensees 668**
  - Small Scale 607
  - Large Scale 61
- **No. of ISS covered for certification 175**



# CERTIFICATION SCHEME OF BIS



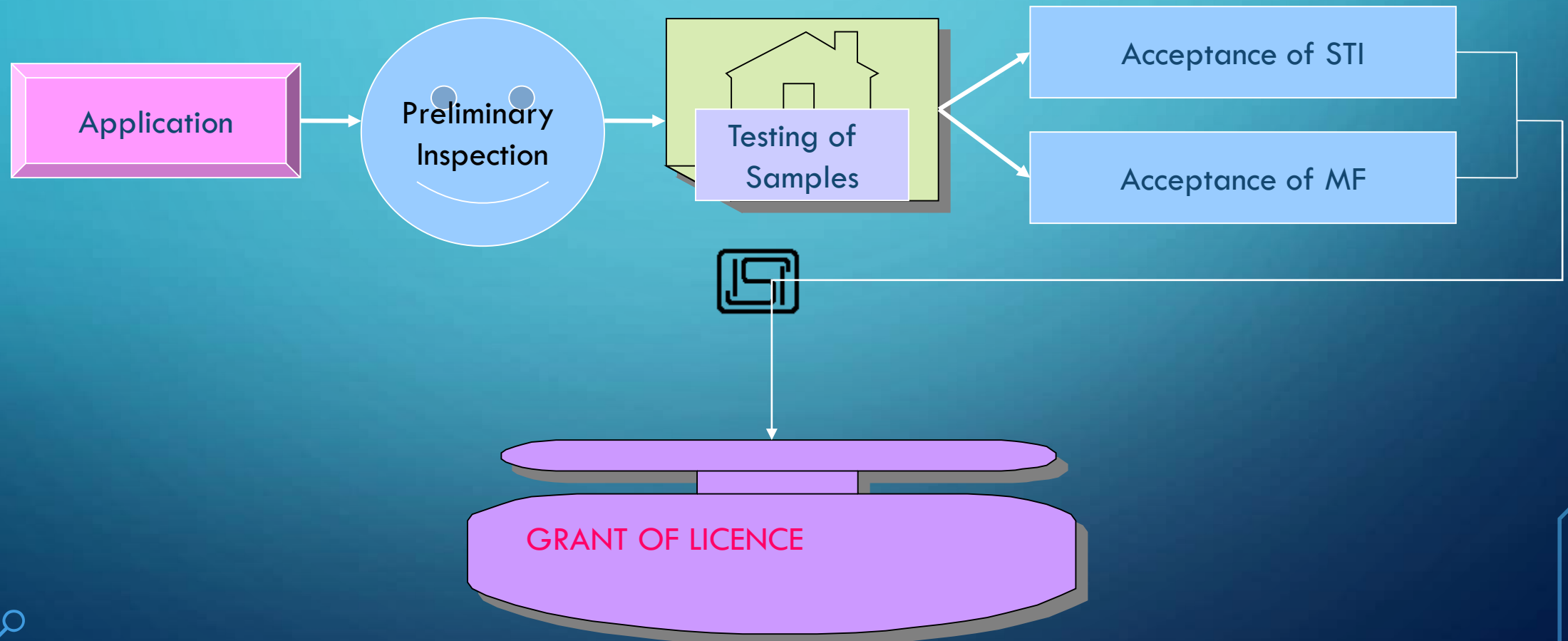
# CONFORMITY ASSESSMENT IN INDIA





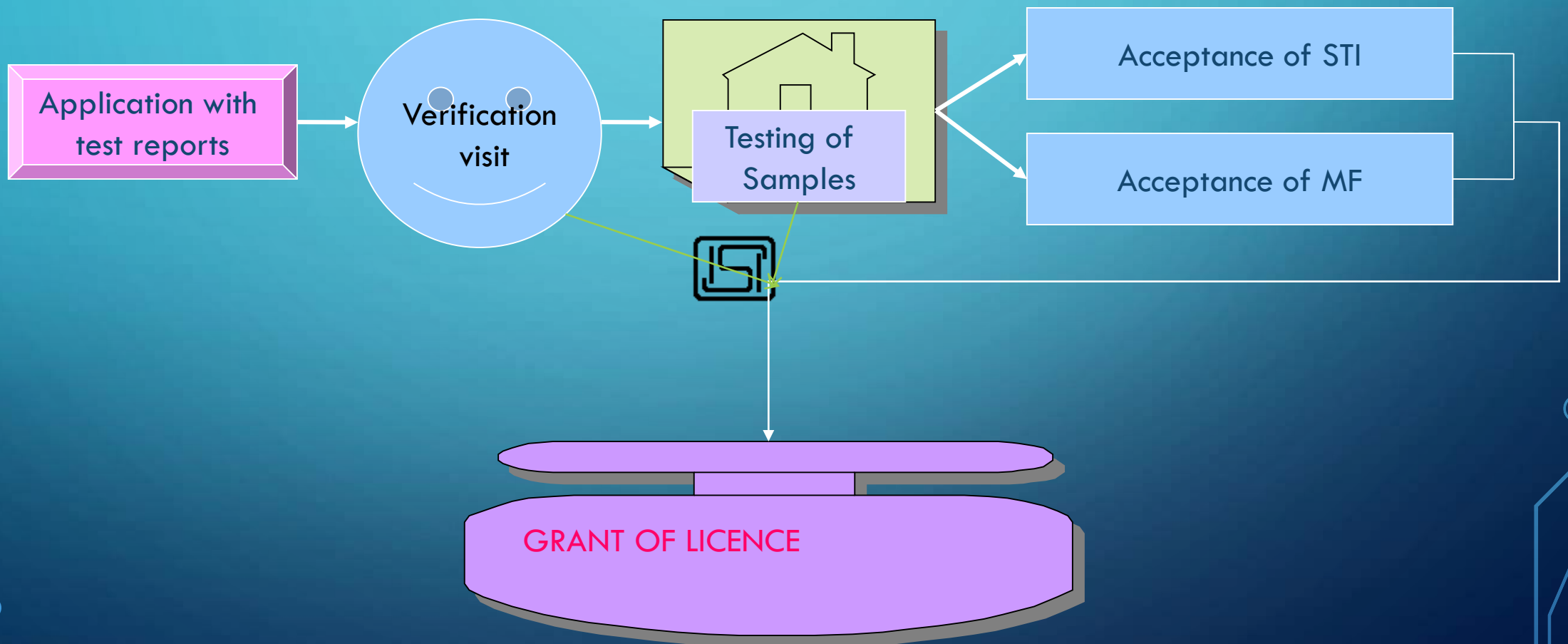
# CERTIFICATION PROCESS

## [A] GRANT OF LICENCE (NORMAL PROCEDURE)



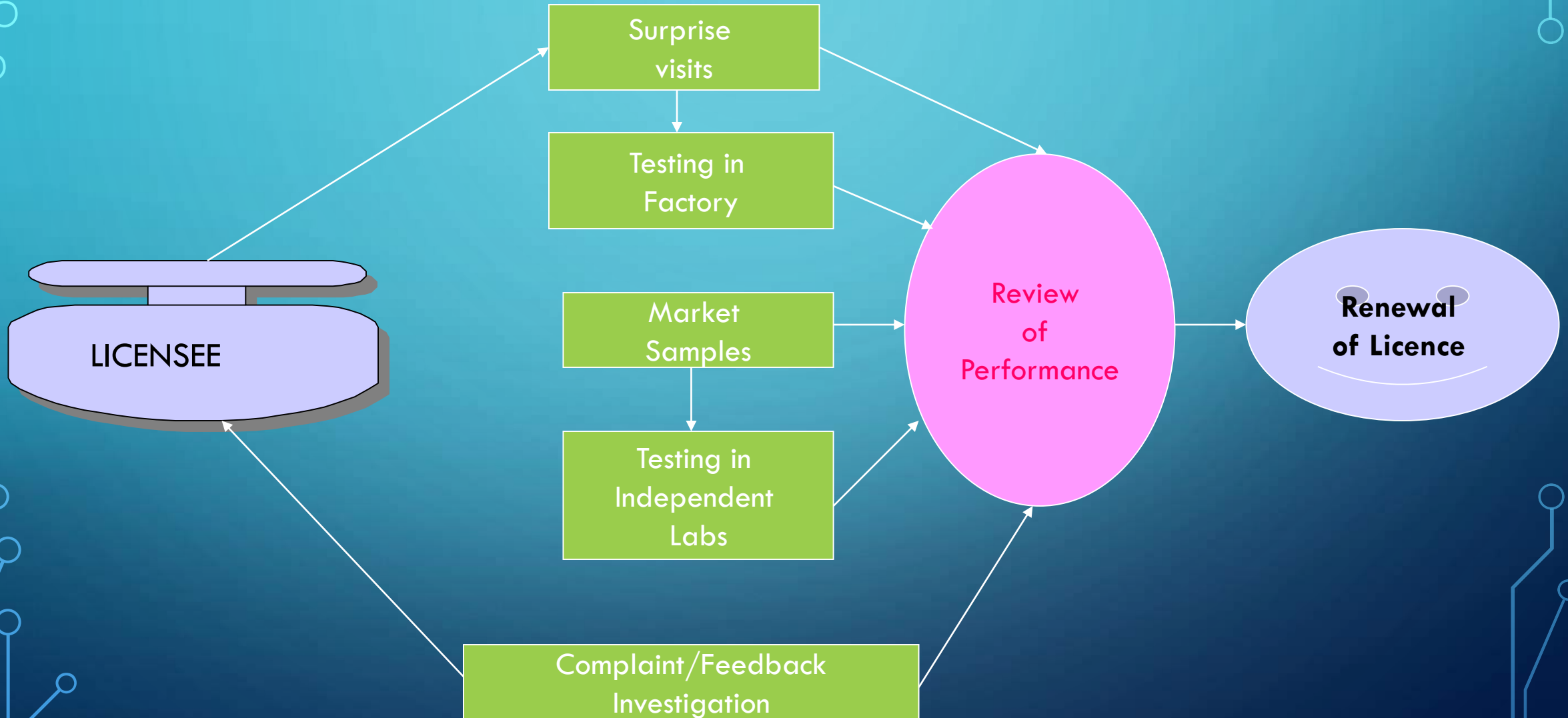
# CERTIFICATION PROCESS

## [B] GRANT OF LICENCE (SIMPLIFIED PROCEDURE)



# CERTIFICATION PROCESS

## [C] MONITORING/SURVEILLANCE





# NEW INITIATIVES OF BIS

- *Simplified and Faster Application processing.*
- *Development of Product Manuals.*
- *Manakonline portal*



# ONLINE INFORMATION AVAILABLE ON BIS WEBSITE

- *BIS website has been redesigned and provides various information which inter-alia includes*
  - IS wise list of recognized laboratory along with testing charges
  - IS wise Scheme of Testing & Inspection
  - IS wise Marking fee
  - List of Products under Mandatory and their Gazette notifications
  - Operating Manual for Product Certification
  - Online sales portal for purchase of Indian Standards
  - Link to International & other national organizations
  - Training Calendar of the BIS training Institute
  - Recent initiatives taken by BIS
  - Product Manuals

# BUREAU OF INDIAN STANDARDS

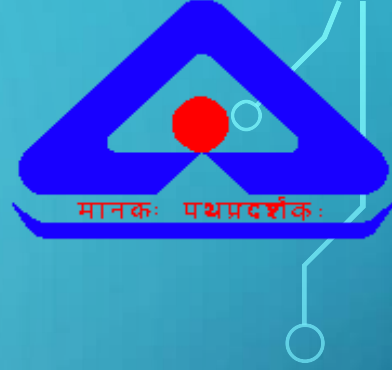


KNOW OUR WEB SITE

[WWW.BIS.GOV.IN](http://WWW.BIS.GOV.IN)

- 👉 FIND IS NO. FOR A PRODUCT (E-CATALOGUE)
- 👉 AMENDMENTS TO INDIAN STANDARDS
- 👉 LIST OF LICENSEES (BUYER'S GUIDE)
- 👉 PRODUCT MANUAL
- 👉 DOWNLOAD FREE INDIAN STANDARDS
- 👉 STATUS OF LICENSES





Some important sections of BIS Act 2016

# **SECTION 18 (7) – OBLIGATION OF LICENCE HOLDER, SELLER ETC**

Section 18 (7) - Where a certified body or licence holder or his representative has sold goods, articles, processes, system or services, which bear a Standard Mark or any colourable imitation thereof, *which do not conform to the relevant standard, the Bureau shall direct the certified body or licence holder or his representative to—*

(a) **repair or replace or reprocess** the standard marked goods, article, process, system or service in a manner as may be specified; or

(b) **pay compensation to the consumer** as may be prescribed by the Bureau; or

(c) **be liable for the injury caused by non-conforming goods or article, which bears a Standard Mark, as per the provisions of section 31. (i.e. Compensation for non-conforming goods.)**



## **SECTION 17 - PROHIBITION TO MANUFACTURE, SELL, ETC. CERTAIN GOODS WITHOUT STANDARD MARK**

- 17(3) No person shall use or apply or purport to use or apply in any manner, in the manufacture, distribution, sale, hire, lease or exhibit or offer for sale of any goods, article, process, system or service, or in the title of any patent or in any trade mark or design, a Standard Mark or any colourable imitation thereof, except under a valid licence from the Bureau.

# **SECTION 29 - PENALTY FOR CONTRAVENTION**



(3) Any person who contravenes the provisions of section 17 shall be punishable with imprisonment for a term which may extend up to two years or with fine which shall not be less than two lakh rupees for the first contravention and not be less than five lakh rupees for the second and subsequent contraventions, but may extend up to ten times the value of goods or articles produced or sold or offered to be sold or affixed or applied with a Standard Mark, including Hallmark, or with both:

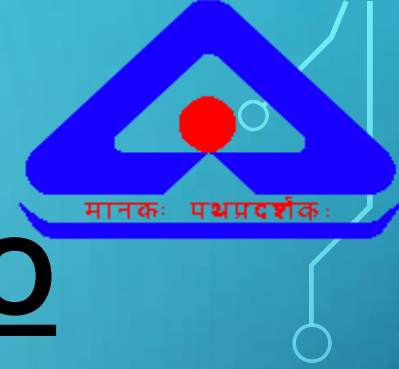
Provided that where the value of goods or articles produced or sold or offered to be sold cannot be determined, it shall be presumed that one year's production was in such contravention and the annual turnover in the previous financial year shall be taken as the value of goods or articles for such contravention.

(4) The offence under sub-section (3) shall be cognizable.

# PRODUCT MANUAL



- [IS 1180 \(grouping guidelines\)](#)
- Product Manual Provides the following information-
  1. Major Raw Material needed
  2. Grouping Guidelines
  3. Major Testing Equipments
  4. Scheme of Inspection and Testing [STI 1180 1.pdf](#)



# CONTACT DETAILS FOR BIS, LKBO

Lucknow Branch Office

Bureau of Indian Standards

4th Floor, B-2 Block, PICUP Bhawan

Vibhuti Khand, Gomti Nagar, Lucknow-226010

Ph : 0522-2306664

E-mail: [lkbo@bis.gov.in](mailto:lkbo@bis.gov.in)

Website : [www.bis.gov.in](http://www.bis.gov.in)





THANKS

NEVER HESITATE TO CALL ON BIS  
IN CASE OF ANY DOUBT  
AND/OR  
QUERIES