



**Capsule Course**  
**on**  
**Plastic Waste Management**  
**as per IS 14534:2023**  
**on**  
**08 September 2025**  
**(Online)**



**BUREAU OF INDIAN STANDARDS**  
**National Institute of Training for Standardization (NITS),**  
**A 20 & 21, Institutional Area, Sector 62, NOIDA - 201309**

**Bureau of Indian Standards (BIS)** being the National Standards Body of the country discharges multitude of functions and services for enhancing the quality ecosystem in the Country. The activities of BIS include standards formulation at national and international level, conformity assessment schemes (Product Certification, Systems Certification, Registration and Hallmarking) testing and training. All these activities are carried out through their network of headquarters, regional and branch office and labs spread throughout the country.

Plastic is an incredibly versatile, durable, and inexpensive material—qualities that make it valuable across industries. However, these same characteristics also make **plastic waste one of the most persistent environmental pollutants**. Plastic waste isn't just litter — it's a **global challenge** that impacts the environment, economy, and public health. The importance of effective recovery and recycling of plastic waste, in line with IS 14534:2023 is listed as follows:

### 1. Protecting the Environment

Plastic does not biodegrade easily. It lingers for decades in landfills and oceans, releasing **microplastics and toxins** that affect soil, water, and wildlife.

### 2. Managing Urban Waste Effectively

Unsegregated plastic clogs drains, worsens urban flooding, and adds to solid waste piles. Systematic recycling reduces this burden on municipal infrastructure.

### 3. Driving the Circular Economy

Plastic waste is a **valuable raw material**. Recycling creates a closed-loop system—**reducing virgin material use**, conserving resources, and minimizing energy consumption.

### 4. Combating Climate Change

Plastic production and disposal contribute to **greenhouse gas emissions**. Recycling and recovery reduce the carbon footprint and support climate action goals.

### 5. Meeting Legal Obligations

With strict enforcement of **EPR rules, PWM Rules, and BIS standards**, businesses and municipalities must comply or face penalties. IS 14534:2023 provides a structured pathway for compliance.

### 6. Creating Green Jobs

Plastic recycling generates employment in **collection, segregation, processing, and product development** — supporting economic development and social inclusion.

### 7. Safeguarding Human Health

Open burning or landfilling of plastics releases **carcinogens and harmful fumes**. Safe handling, disposal, and recovery methods protect communities and workers.

## **COURSE OVERVIEW:**

### **❖ Course Title:**

Plastic Waste Management as per IS 14534:2023 (**Plastics — Recovery and recycling of plastics waste — Guidelines**)

### **❖ Objective:**

The Capsule Course on **Plastics — Recovery and recycling of plastics waste — Guidelines** is designed to provide information regarding guidelines for the recycling of plastics waste/scrap by different techniques based on technological trends and policy directives issued for the plastics waste management in India.

The purpose of this standard is to specify the best practices involved in the selection, segregation and processing of plastic waste. The standard intends to help manufacturers of plastic products who wish to use recycled material along with virgin material in deciding about quality and marking requirements based on percentage of recycled content used in finished product. This Indian Standard may also be used as reference material for the industries to establish the quality requirements that should be considered in all steps of the recovery of plastics arising from pre consumer and post-consumer sources.

### **❖ Key Learning Outcomes:**

Participants will be able to:

- Understand the scope and structure of IS 14534:2023
- Learn about modern plastic recovery methods
- Get updated on Extended Producer Responsibility (EPR)
- Explore the application of recycled plastics in various industries
- Hands-on insight into marking and traceability for recycled content
- Build capacity for sustainable plastics use and waste management

### **❖ Who Should Attend?**

- Plastic product manufacturers
- Waste management professionals
- Sustainability & ESG officers
- Industrial processors & recyclers
- Municipal bodies & ULBs
- Regulatory and compliance officials
- NGOs and researchers working on environmental management
- Students
- Any Interested Personnel

❖ **Training Methodology:**

Online lectures, presentations, videos, case studies and interactive workshops.

❖ **Course Duration:**

1 Day | **Mode:** Online

❖ **Fees:**

➤ The course fee is Rs.1000 /- + 18% GST per participant.

❖ **Criteria for selection:**

Selection on First come First Serve Basis

❖ **Certification:**

Certificate will be awarded to all participants on completion of course.

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**National Institute of Training for Standardization**  
**ONLINE CAPSULE COURSE ON PLASTIC WASTE MANAGEMENT**

**on 08 September 2025**

**MODULE OF THE PROGRAM**

Session	Time	Topic
	0930 - 0945	Welcome address & Programme Objectives
1	0945 - 1115	Future of standardization with reference to value addition in plastic waste recycling, Overview of National and International Standardization with reference to recycling and recovery plastic waste
	1115 - 1130	
2	1130 - 1200	Technologies of Mechanical Recycling as per Indian Standards
3	1230 - 1300	Contribution of plastics Recycling in Circularity- Case study of Recycled PET in Beverage Industry vis-à-vis role of Indian Standards
	1300 - 1345	
4	1345 - 1530	PWM Rules Mapping of standards against government schemes, Guidelines for marking
	1530 - 1545	<b>TEA BREAK</b>
5	1545 - 1700	Value Addition in Plastics Waste Recycling – successful examples - case study vis-à-vis IS
	1700 - 1730	Open Discussion

## HOW TO APPLY:

Application has to be made through BIS Training Portal by following the steps mentioned below:

- |                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------|
| • <b>VISIT</b> the e-BIS Website: <a href="http://www.manakonline.in">www.manakonline.in</a>                                        |
| • <b>CLICK</b> on the "Training" Head                                                                                               |
| • <b>LOGIN</b> by clicking on the blue "LOGIN" button on the top right corner                                                       |
| • <b>SIGNUP</b> by clicking on "SIGNUP" on the Member Login Page if you are not a member otherwise "SIGN IN" using your credentials |
| • <b>FILL OUT</b> all the fields and click on "REGISTER" and complete the registration process                                      |
| • <b>CHOOSE</b> the course you want to apply for, fill in the required information and "PAY" the requisite fee.                     |

In case you are unable to submit your nomination on the BIS Training Portal, the same may be done by emailing filled up nomination form (given on next page) to [nits@bis.gov.in](mailto:nits@bis.gov.in). In that case, payment of the requisite fee may be made via NEFT/UPI to the Bureau of Indian Standards Bank Account, details of which are mentioned in the nomination form.

### Contact:

For any further queries, you may contact:

**Smt. Ankita Neogi Bag**

Dy. Director and Course Coordinator, NITS

Mobile – 8777529355

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**[Email: nits@bis.gov.in](mailto:nits@bis.gov.in)**



राष्ट्रीय मानकीकरण प्रशिक्षण संस्थान  
National Institute of Training for Standardization



## Reach Us

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राष्ट्रीय मानकीकरण प्रशिक्षण संस्थान, नोएडा  
NATIONAL INSTITUTE OF TRAINING FOR STANDARDIZATION, NOIDA  
भारतीय मानक ब्यूरो  
BUREAU OF INDIAN STANDARDS

### Nomination Form

Name of the Programme			
Date of the Programme			Venue:
Sponsoring Organization (OR In Individual Capacity) with complete Address			
Telephone /Mobile Number			
Organization/Firm GST No.			
Email ID			

#### Participants Details

Sl. No.	Name (IN CAPITAL LETTERS)	Designation	Contact No.	Email
1.				
2.				
3.				
4.				
5.				

Will you stay in Hostel?		If yes, please mention the date and time					
Yes	No	Arrival	Date	Time	Departure	Date	Time

#### Details of Payment (in Rupees)

Training Fees *	Hostel Charges *	GST ##	Discount, if any	Total amount

#### Mode of Payment

Name of Bank	UTR No. & Date of transaction # (for NEFT/Net banking/ IMPS/UPI payment)	Amount (in Rs.)

\* For Training/hostel fees, see NITS Training Calendar at BIS website [www.bis.gov.in](http://www.bis.gov.in). (Stay in hostel is charged on Night stay basis).

# For payments by NEFT, Payment should be made to **Bureau of Indian Standards, Savings A/c No. 712210100000650, Bank of India, Sec-62 Noida, Branch Code 7122, IFSC Code BKID0007122.**

## NITS GST No. 09AAATB0431G2Z8, SAC Code: 999294 Applicable GST@ 18% on Training fee and Hostel fee.

Date: \_\_\_\_\_

Signature and Seal \_\_\_\_\_

The nomination form should preferably be scanned and e-mailed to [nits@bis.gov.in](mailto:nits@bis.gov.in), [hnits@bis.gov.in](mailto:hnits@bis.gov.in). and reach NITS at least one week before the programme date. For sending hard copy may be addressed to:

**Head, National Institute of Training for Standardization (NITS), Bureau of Indian Standards,  
A – 20 & 21, Institutional Area, Sector – 62, NOIDA - 201309, U.P.**

Phones: 0120 – 4670227, 4670232, Email: [nits@bis.gov.in](mailto:nits@bis.gov.in), [hnits@bis.gov.in](mailto:hnits@bis.gov.in), Website: <http://www.bis.gov.in>

#### Important:

1. Participants are requested to get the confirmation from NITS, whether, nomination has been accepted or not **before attending the programme.**

#### 2. Rules for Refund of Training & Hostel Fees:

- A refund of full fees shall be made when cancellation/withdrawal of nomination is made **at least 15 days** in advance of the date of the training.
- Cancellation/withdrawal of nomination is made **less than 15 days** in advance of the date of the training programme or is not informed, a **cancellation charge of 25%** of the training fees would be levied. The balance amount after deducting the cancellation charges would be returned.
- Hostel fees if any, paid in advance shall be returned in full.