



BUREAU OF INDIAN STANDARDS

The National Standards Body of India



उपभोक्ता मामले विभाग

DEPARTMENT OF

CONSUMER AFFAIRS

BIOPACKATHON

— 2026 —

Reinventing Sachets for a

Litter - Free India

Biodegradable Packaging Solution Challenge

for Pan Masala & Gutkha Sachets



**Sustainable
Packaging Innovation**



**Biodegradable
Materials**



**National Level
Hackathon**



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BIOPACKATHON 2026

BIOPACKATHON 2026 invites Any individual or entity including faculties, students and research scholars of academic institutions, start-ups, research institutions and laboratories, industry, and NGOs, societies and trusts to develop technically viable, plastic-free biodegradable packaging solutions for pan masala and gutkha.

OBJECTIVE

The objective of the hackathon is to promote the development and identification of technically viable, plastic-free biodegradable packaging solutions for pan masala and gutkha that meet functional packaging requirements such as mechanical properties, barrier properties and shelf-life stability, and support scalable industry adoption and future standardisation.

PROBLEM STATEMENT

Provide plastic-free, biodegradable, functional and scalable sachet packaging solutions for pan masala and gutkha as an alternative to non-biodegradable sachets, which continue to contribute significantly to litter and environmental pollution.

REGISTRATIONS STARTING ON:

25/03/2026.

LAST DATE OF SUBMISSION:

24/04/2026

**Join the Innovation
Movement**

Innovate sustainable
packaging and contribute to a
cleaner, litter-free India

BIOPACKATHON 2026

Reinventing Sachets for a Litter-Free India

**BIODEGRADABLE PACKAGING SOLUTION
CHALLENGE FOR PAN MASALA & GUTKHA
SACHETS**

REGISTER HERE

https://services.bis.gov.in/php/BI_S_2.0/biopackathon/

DETAILS





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CHALLENGE REQUIREMENTS

Participants should provide packaging solutions for pan masala and gutkha sachets that:

- are biodegradable under ambient environmental conditions including soil, freshwater, and marine environments,
- are food-grade and comply with the legal prohibition on plastics,
- provide robust functional performance, including mechanical strength, moisture and aroma barrier, and shelf-life stability, and
- are feasible for mass production, cost-effective deployment, and industry adoption.

EXPECTED OUTCOME

Participants are expected to present already developed or prototype-ready plastic-free, biodegradable sachet packaging solutions for pan masala and gutkha that satisfy the challenge requirements outlined above.

All submissions should be supported by evidence of biodegradability, food safety, functional performance and scalability & economic viability. The evidence may be in the form of relevant data/test reports/certifications or any other evidence, as available.

HACKATHON PROCESS

Registration & Submission → Screening by Expert Panels → Shortlisting → Final Presentation to Assessment Board → Selection of Winners



REWARDS

1st Prize Rs 10,00,000/-

2nd Prize Rs 7,00,000/-

3rd Prize Rs 5,00,000/-

BIOPACKATHON 2026

Reinventing Sachets for a Litter-Free India

CONTACT US

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