



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**

Solution Submission Template

Participant Details

Name / Organisation Name :
Name of Contact Person :
Designation :
Email :
Phone/Mobile :
Address :

Solution Overview

- 1. Title of the Packaging Solution :**
- 2. Brief Description of the Packaging Solution (approx. 250 words) :**
- 3. Status of Solution :**
 - Prototype-ready
 - Already developed
- 4. Material Composition (including layers, coatings, adhesives) :**

5. Packaging Design and Structure (drawings/photographs) :

5. Target Sachet Volume / Size :

6. Cost per Unit/Sachet :

Challenge Requirement Mapping

1. Biodegradability

- Describe how the packaging biodegrades under ambient soil, freshwater, and marine environment (*approx. 250 words*) (*provide component wise biodegradability and environment conditions in which the packaging biodegrades along with timeframe for biodegradation and end products of biodegradation*) * :

Note — indicate if evidence on biodegradability of any component is not available.

- Attach supporting documents (*data/test reports/certifications or any other evidence, as available*)

2. Food Safety & Compliance

- Describe how the packaging complies with Food Safety and Standards (Packaging) Regulations, 2018, as amended and Plastic Waste Management Rules, 2016, as amended (*approx. 250 words*) :
- Attach supporting documents (*data/test reports/certifications or any other evidence, as available*)

3. Functional Performance

- Provide data about functional properties of the packaging solution :

Properties	Observed value
Mechanical strength	
Barrier properties	
Aroma retention	
Shelf-life stability	
Any other parameter	

- Attach supporting documents (*data/test reports/certifications or any other evidence, as available*)

4. Scalability & Economic Viability

- Describe the manufacturing process, mass production feasibility, and cost estimates (*approx. 250 words*) :
- Attach supporting documents (*such as pilot-scale data, feasibility studies etc. as available*)

5. Limitations of the developed solution and future improvements required (*approx. 250 words*) :

Additional Notes / Innovations

Include any other information, unique features, or innovations that strengthen the submission.

Declaration

I/We hereby declare that the solution submitted complies with the terms and conditions of BIOPACKATHON 2026 and applicable laws. It is original work of the undersigned/team and has not been copied, wholly or in part, from any other source. The submitted work does not infringe upon any existing intellectual property rights. I/We further declare that the information provided in the submission is true and correct to the best of my/our knowledge.

Name

Designation

Signature

Date
