



# Setting up of High-Tech Food Processing Industries

## MoFPI Promoting High-Tech Food Processing through PMKSY, PLISFPI & PMFME Schemes Across India

Posted On: 12 FEB 2026 6:12PM by PIB Delhi

In order to promote and ensure overall development of food processing sector including promotion of high-tech food processing, Ministry of Food Processing Industries (MoFPI) has been incentivizing setting up/expansion of related infrastructure through its two Central Sector Schemes namely Pradhan Mantri Kisan SAMPADA Yojana (PMKSY) and Production Linked Incentive Scheme for Food Processing Industry (PLISFPI) and a Centrally sponsored PM Formalization of Micro Food Processing Enterprises (PMFME) scheme across the country.

These schemes aim towards creation of modern infrastructure with efficient supply chain management from farm gate to retail outlet which includes storage, transportation, value addition etc., thereby help in providing better returns to farmers, enhancing productivity, reducing wastage of agricultural produce and creating off-farm employment opportunities.

In order to promote use of high-technology viz. use of Artificial Intelligence, Internet of Things, etc. in Food Processing Sector, MoFPI extends Grant-in-Aid to educational and research institutions including Council of Scientific & Industrial Research (CSIR) recognized Research and Development (R&D) units in private sector for related demand driven R&D projects through its R&D scheme under Pradhan Mantri Kisan SAMPADA Yojana (PMKSY).

Under R&D component of the Scheme, financial assistance as grant-in-aid is provided to Private organizations/ universities/institutions/R&D laboratories and CSIR recognized R&D units in private sector to the tune of 50% of equipment cost in general areas and 70% in difficult areas and to various Universities, IITs, Central/ State Government Institutions, Government funded organizations to promote and undertake demand driven R&D work in food processing sector for product & process development, design and development of equipment, improved storage, shelf-life, packaging etc. R&D projects of Government organizations/ Institutions are eligible for 100% grant-in-aid for the cost of equipment, consumables and expenditure related to Research Fellows, etc.

In addition, National Institute of Food Technology, Entrepreneurship & Management (NIFTEM) Kundli, Haryana and NIFTEM, Thanjavur, Tamil Nadu under administrative control of MoFPI, are also engaged in R&D activities in the sector.

The details of R&D projects approved by MoFPI in the field of high-technology for development of Food Processing Sector since 2016-17 under the R&D component scheme of PMKSY are at **Annexure**.

MoFPI provides subsidy/incentives to the eligible entities including startups and Micro, Small & Medium Enterprises (MSMEs) under schemes implemented by MoFPI.

At times, the projects approved under schemes of MoFPI face delays in obtaining statutory clearances/ certificates from the State Govt. regarding Consent to Establish, Consent to Operate, building plan approval, electricity connection etc., have led to delay in completion of some of these projects.

MoFPI has taken various measures for timely implementation of these projects, which include (i) Dashboard for monitoring the progress of the projects; (ii) Regularly review with the promoters to help remove bottlenecks in implementation; (iii) Assessing the progress of projects through site visits to prevent delays in their completion; (iv) Issues taken up with the Banks/ Financial Institutions to expedite sanction and disbursement of term loan to the projects; (v) Penal provisions on the promoters in case of delayed completion of projects; (vi) MoFPI, on the request of project implementing agencies, also took up the matter with the concerned department of State Government and their agencies for smooth and timely implementation.

This information was given by the Minister of State for Food Processing Industries Shri Ravneet Singh in a written reply in Lok Sabha today.

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### CMC-MoFPI

### ANNEXURE

**List of R&D projects approved in the field of high-technology for development of Food Processing Sector under R&D component scheme of PMKSY since 2016-17 are as under:-**

| Sr No. | Name of the Project                                                                                                   | Institute Name                                                 | Project Cost (In Lakh) | Approved GIA(In Lakh) | Released GIA (in Lakh) | Status    |
|--------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|------------------------|-----------------------|------------------------|-----------|
| 1.     | 3-D Printed Foods: Personalized Nutrition to Address Malnutrition in India                                            | NIFTEM-Thanjavur                                               | 55.42                  | 55.42                 | 50.28                  | Completed |
| 2.     | Development of active intelligent packaging system with antimicrobial agent for fruits and vegetables                 | NIFTEM-Thanjavur                                               | 53.04                  | 53.04                 | 45.94                  | Completed |
| 3.     | Design and development of hot air assisted continuous Infrared drying system for high value fish and fishery products | ICAR-Central Institute of Fisheries Technology, Cochin, Kerala | 27.02                  | 27.02                 | 25.02                  | Completed |

|    |                                                                                                             |                                                       |       |        |       |           |
|----|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------|--------|-------|-----------|
| 4  | Waste of wealth: Extracting nutraceutical (polyphenols) from troical fruits residue by biorefinery approach | Visvesvaraya National Institute of Technique, Nagpur  | 32.79 | 32.79  | 32.79 | Completed |
| 5. | Monascus Purpureus CFR 410-11 fermented cowpea Tofu as functional food                                      | Central Food Technological Research Institute, Mysore | 24.90 | 24.90  | 23.23 | Completed |
| 6. | Development of Blockchain-based Traceability Solution for Agri-Food Supply Chains                           | NIFTEM, Kundli, Sonapat, Haryana                      | 18.73 | 18.731 | 16.19 | Completed |
| 7. | Phytochemical profiling and valorisation of Pomelo fruit of Northeast region                                | Tezpur University, Tezpur, Assam                      | 41.48 | 41.48  | 36.68 | Completed |

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