

GOVERNMENT OF INDIA
MINISTRY OF FOOD PROCESSING INDUSTRIES
LOK SABHA

UNSTARRED QUESTION NO. 1062
ANSWERED ON 13TH DECEMBER, 2022

FOOD PROCESSING AND AGRICULTURE INDUSTRIES

1062. **SHRIMATI MANJULATA MANDAL:**

SHRI DHANUSH M. KUMAR:

SHRI SELVAM G.:

SHRI C.N. ANNADURAI:

SHRI GAJANAN KIRTIKAR:

Will the Minister of *FOOD PROCESSING INDUSTRIES* be pleased to state:

- (a) whether the States have ample scope to set up food processing and agriculture industries;
- (b) if so, the details thereof particularly in Tamil Nadu;
- (c) whether the Government has taken steps to set up food processing industries in the country and if so, the details of steps taken and outcome thereof, State-wise, especially in Tamil Nadu;
- (d) whether inadequate Research and Development (R&D) activities are adversely affecting the food processing sector in the country, if so, the details thereof and the reasons therefor along with the corrective steps taken by the Government in this regard;
- (e) whether the Government is providing any investment-linked incentives for in-house R&D expenditure incurred by companies and if so, the details thereof; and
- (f) the details of the indigenously developed technologies which have been utilised gainfully for enhancing production and improving quality of food products during the last three years and the current year?

ANSWER

THE MINISTER OF STATE FOR FOOD PROCESSING INDUSTRIES
(SHRI PRAHLAD SINGH PATEL)

(a) to (c): Keeping in view potential of development of Food Processing sector in the country, Ministry of Food Processing Industries (MoFPI) has been incentivizing setting up/expansion of such facilities through Central Sector Umbrella Scheme Pradhan Mantri Kisan SAMPADA Yojana (PMKSY), Production Linked Incentive Scheme for Food Processing Industry (PLISFPI) and Centrally sponsored PM Formalization of Micro Food Processing Enterprises (PMFME) scheme across all the States including Tamil Nadu. So far, a total of 1176 projects have been approved across the country under component schemes of PMKSY since their respective dates of launch and a total of 701 projects have been completed. A total of 162 proposals were covered for assistance under various categories of PLISFPI and credit linked incentive has been approved for 12,827 micro enterprises under PMFME so far across the country. The details of projects approved in Tamil Nadu are placed at **Annexure-I**.

(d) & (e): Keeping in view the requirement of innovative product and process development 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 demand driven R&D projects through its R&D scheme under PMKSY. A total of 72 research projects have been approved under the scheme with approved Grants of Rs. 26.4 crore.

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

Also, expenditure on scientific research on in-house research and development facility is eligible for deduction under relevant sections of the Income-tax Act, 1961.

(f): List of Technologies developed by National Institute of Food Technology, Entrepreneurship & Management (NIFTEM) Kundli and NIFTEM, Thanjavur, which have been put to commercial use during last 3 years is placed at **Annexure-II**. Central Food Technological Research Institute (CSIR-CFTRI), Mysuru, Karnataka has also undertaken technology transfer for 130 processes in the last three years.

Annexure-I

ANNEXURE REFERRED TO IN REPLY TO PART (a) to (c) OF LOK SABHA UNSTARRED QUESTION NO.1062 FOR ANSWER ON 13TH DECEMBER, 2022 REGARDING “FOOD PROCESSING AND AGRICULTURE INDUSTRIES”

Food Processing Industries assisted under corresponding component schemes of PMKSY in Tamil Nadu state since inception of the schemes

Sl. No.	Component Scheme	No. of projects Approved	No. of projects Completed/ operational	Grants –in–aid Approved (Rs. Crore)
1	Mega Food Park	1	0	23.64
2	Integrated Cold Chain and Value Addition Infrastructure	16	12	105.59
3	Infrastructure for Agro-Processing Clusters Scheme	11	0	71.6869
4	Creation / Expansion of Food Processing & Preservation Capacities Scheme	24	16	82.69
5	Scheme for Creation of Backward and Forward Linkages	9	8	19.80
6	Operation Greens	2	0	25

Investment proposals approved in Tamil Nadu state under PLISFPI

State	No. of Food Processing Plants	Investment (Rs. Crore)
Tamil Nadu	16	431.41

Micro Food Processing Industry based proposals approved in Tamil Nadu state under PMFME

State	Proposals approved/loan sanctioned
Tamil Nadu	1897

ANNEXURE REFERRED TO IN REPLY TO PART (f) OF LOK SABHA UNSTARRED QUESTION NO.1062 FOR ANSWER ON 13TH DECEMBER, 2022 REGARDING “FOOD PROCESSING AND AGRICULTURE INDUSTRIES”.

List of Food Processing Technologies transferred by National Institutes of Food Technology, Entrepreneurship & Management (NIFTEMs) on non-exclusive basis

- Non-dairy millet ice cream technology
- Neera Sugar Crystal Technology
- Solar hybrid dryer
- Mobile Processing Unit
- Integrated onion Processing Unit
- Puffing Machine
- Moringa leaf separator
- Process on Non-dairy Millet Ice Cream
- Millet Idly/ Dosa dry mix
- Idly/ Dosa Batter
- Idly batter production
- Coconut Water Extraction Machine

List of Food Processing Technologies transferred by Central Food Technological Research Institute (CSIR-CFTRI), Mysuru, Karnataka on non-exclusive basis

- RTS Fruit juice and Beverages
- Spirulina Choco bar and Spirulina Cereal bar
- Nutra Chikki with added Spirulina
- Tomato products: preparation
- Nutri Fruit bars with immune boosters
- Shelf Stable Chapati
- Continuous idli making unit
- Modified atmosphere packaging of minimally processed vegetables
- RTS Fruit juices & beverages
- Fruit syrups and squashes
- Spirulina choco bar and Spirulina cereal bar
- Shelf Stable Chapati
- Modified atmosphere packaging of minimally processed Vegetables
- Tomato products: preparation
- Improved process for preservation of Neera
- Neera concentrate
- Tamarind candy
- Eggless cake premix
- Preparation of shelf stable roti from non wheat cereal and millet
- Process for the preparation of gluten free bakery products
- Raw banana powder
- Osmo-air dried fruits (Amla, Jackfruit, Pineapple & Mango)
- Bio preservation of RTE sugarcane chunks
- Herbal fogging disinfectants for mist sanitizer system
- Sugar free biscuits
- Sugar free cup cake
- Sugar free cake rusk
- Coffee concentrate
- Tomato product: preparation
- Potato wafers/chips
- Fortified mango bar

- Pickles and chutnes preparation
- Prawn pickle
- Mutton pickle
- Meat pickle
- Instant coffee cubes
- Sugarcane juice spread
- Ginger Beverage
- Tomato product: preparation
- Paan flavoured water
- High protein biscuits
- High protein Rusk
- Shelf stable chapatti
- Paan flovored water
- Annatto dye: preparation
- Osmo-air dried fruits (Amla)
- Deep fat fried and flavoured cashew kernels
- Desiccated coconut
- Malted weaning food
- Process for the preparation of raw banana powder (unripe)
- Herbal fogging disinfectants for mist sanitizer system
- Osmo-air dried fruits (Amla, Jackfruit, Pineapple & Mango)
- Process for flovour essence from decalepis
- Layered Parotta (South Indian)
- Sugar free cup cake
- Shelf stable roti from non wheat cereal & millet
- Plant growth promoter: containing n-triacontanol
- Water soluble turmeric colourant (odourless)
- Instant products form moringa leaves
- Layered parotta (south Indian)
- Roasted and flavoured cashew kernels
- Pasta: Chocolate, Multigrain, Legume based
- Tamarind Candy
- Preparation of ready to cook multigrain whole mix for drink/porridge
- Tamarind juice concentrate & powder
- Layered Parotta (South Indian)
- RTS Fruit juice and beverages
- Fortified Mango bar
- Osmo-air dried fruit –mango
- Process for instant tomato crush, tomato rasam mix and tomato rice bath mix
- Dehydrated whole lime
- Pulse based papads
- Online fortification of atta/maida
- Egg wafers
- RTE shelf stable egg crunchy bites
- Dehydration egg cubes
- Egg loaf
- Instant upma mix millet and multimillet semolina
- Instant halva mix millet and multimillet semolina
- Shelf stable jowar flour
- Egg wafers
- Shelf stable chicken biriyani
- Chicken wafers
- Chicken pickle
- Shelf stable kabab mix with chicken meat
- Shelf stable Chicken tit-bits
- Preparation of shelf stable biriyani paste
- Pulse based papads

- Instant mushroom soup mix
- Shelf stable jowar flour
- Desiccated coconut
- Layered parotta (South Indian)
- RTS fruit juice and beverages
- Making superior quality of white pepper
- Layered parotta (South Indian)
- Fermented and dehydrated ready mixes for dosa batter
- RTC multigrain whole mix for drink/porridge
- Shelf stable chapatti
- RTC multigrain whole mix for drink/porridge
- Spray dried refined papain
- Layered parotta (South Indian)
- Plant growth promoter: containing n-triacontanol
- Pickles and chutneys: preparation
- Coffee leaf brew mix
- Spray dried refined papain
- Pulse based papads
- Ragi based ready to cook malted weaning food
- Ragi based papads
- Coffee flakes based mouth freshener
- RTS fruit juice and beverages
- Fish Pickle
- Fish Wafer
- Prawn wafer
- Layered parotta (South Indian)
- Preparation of beverage mix from malted ragi
- Osmo-air dried fruits (Amla, Jackfruit, Pineapple & Mango)
- Potato flour
- Mustard / Rape seed integrated processing
- Nutra chikki with added spirulina
- Spirulina choco bar and spirulina cereal bar
- Shelf stable chapati
- Chikki with moringa
- Chicken wafer
- Egg wafer
- Processed Besan (Bengal Gram Flour) for sev and boondi preparation
- Quick cooking, germinated and dehydrated pulses
- RTE convenience food-Khakra
- Ready mix: Pakoda
- Dolymix, a ready to use mix for soft and enhanced number of IDLYS
- Moulding machine for besan, soji/rava and similar laddus