

GOVERNMENT OF INDIA
MINISTRY OF FOOD PROCESSING INDUSTRIES

LOK SABHA

UNSTARRED QUESTION NO. 2950

ANSWERED ON 13TH MARCH, 2018

FOOD PROCESSING INDUSTRIES

**2950. SHRI HARISH CHANDRA ALIAS HARISH DWIVEDI:
SHRI RAM CHARAN BOHRA:
DR. P.K. BIJU:
SHRI BAHADUR SINGH KOLI:
SHRIMATI DARSHANA VIKRAM JARDOSH:
DR. BOORA NARSAIAH GOUD:
SHRI KIRTI AZAD:**

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

- (a) the details of food processing industries/units sanctioned and set up in various parts of the country during the last three years and the current year, State and Union Territories-wise including Rajasthan;
- (b) the details of the programmes/ schemes on which the Government is working for the promotion of the food processing industries in the country and the financial assistance and facilities provided for the purpose thereunder during the said period, State and Union Territory-wise including Rajasthan;
- (c) whether the Government has fixed any time frame to receive proposals for setting up of food processing units and to release grants thereon and if so, the details thereof along with the steps taken to reduce the same;
- (d) whether the Government has also launched any scheme to attract the youth of the country towards Food Processing Industries and to acquaint them with technical and marketing knowledge of the industries and if so, the details thereof; and
- (e) whether the Government has undertaken Research and Development (R&D) projects for the development of food processing industries in the country and if so, the details thereof and the funds allocated for ongoing food processing projects for their timely completion during the said period and if so, the details thereof, State/UT-wise?

ANSWER

**THE MINISTER OF STATE FOR FOOD PROCESSING INDUSTRIES
(SADHVI NIRANJAN JYOTI)**

- a) The details of food Processing industries/units sanctioned and set up in various parts of the country during the last three years and the current year, State and Union Territories-wise including Rajasthan under the Scheme for Technology Upgradation/ establishment/ Modernization of Food Processing industries (TUS) are given in **Annexure-I**.
- b) Government of India has launched a new Central Sector Scheme – Pradhan Mantri Kisan SAMPADA Yojana in May 2017 with an allocation of Rs. 6,000 crore for the period 2016-20 coterminous with the 14th Finance Commission cycle. The scheme is a comprehensive

package which will result in creation of modern infrastructure with efficient supply chain management from farm gate to retail outlet. Various components in the scheme are – (i) Mega Food Parks, (ii) Integrated Cold Chain and Value Addition Infrastructure, (iii) Creation / Expansion of Food Processing & Preservation Capacities, (iv) Infrastructure for Agro-processing Clusters (v) Creation of Backward and Forward Linkages, (vi) Food Safety and Quality Assurance Infrastructure, (vii) Human Resources and Institutions. Consolidated state-wise status of major components of the scheme is at **Annexure-II**.

- c) The last date for receipt of applications under the Scheme for Creation/Expansion of Food Processing and Preservation Capacities (CEFPPC) is 15.06.2018 upto 18.00 Hrs.

- d) In order to support technical and managerial manpower needs of Food Processing sector, Ministry provides assistance to two autonomous Institutions under its administrative control- National Institute of Food Technology Entrepreneurship and Management (NIFTEM) at Kundli, Haryana and Indian Institute of Food processing technology (IIFPT) at Thanjavur, Tamil Nadu.

- e) Ministry of Food Processing Industries does not undertake Research and Development on its own. However, it is implementing the scheme of Research & Development having provision for financial assistance – (i) for the Government organizations/ universities/institutions for 100% of cost of equipment, consumables and expenditure related to salaries for project staff and (ii) for private organizations / universities / institutions is 50% of equipment cost only in general areas and 70% in North East States and difficult areas. Ministry has, till date, assisted 200 Research and Development projects, out of which 151 have been completed. Details of on-going assisted projects are at **Annexure-III**.

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF THE LOK SABHA UNSTARRED QUESTION NO. 2950 ANSWERED ON 13th MARCH, 2018, REGARDING FOOD PROCESSING INDUSTRIES.

State-wise no. of units assisted and financial assistance provided during the last three year and current year (upto 08.03.2018) under the scheme for Technology up gradation/Establishment/ Modernization of FPIs.

Sr. No	State	2014-15		2015-16		2016-17		2017-18 (08.03.2018)	
		(Rs.In Lakh)		(Rs.In Lakh)		(Rs.In Lakh)		(Rs.In Lakh)	
		Nos.	Amt.	Nos.	Amt.	Nos.	Amt.	Nos.	Amt.
1	Andhra Pradesh	144	2585	38	705	35	652	6	124
2	Andaman & Nicobar	0	0	0	0	0	0	0	0
3	Arunachal Pradesh	0	0	0	0	0	0	0	0
4	Assam	2	40	4	53	1	21	0	0
5	Bihar	6	72	3	59	2	19	0	0
6	Chandigarh	1	8	0	0	0	0	0	0
7	Chhattisgarh	57	691	22	248	15	169	3	24
8	Delhi	2	50	1	25	2	34	0	0
9	Daman & Diu	1	25	1	25	1	25	0	0
10	Goa	8	155	1	7	1	19	0	0
11	Gujarat	70	1175	54	986	78	1412	7	126
12	Haryana	26	510	27	570	17	327	1	11
13	Himachal Pradesh	11	252	9	219	7	164	0	0
14	Jammu & Kashmir	3	48	9	222	5	126	1	38
15	Jharkhand	5	118	3	67	3	100	0	0
16	Karnataka	74	1084	49	744	52	848	5	87
17	Kerala	21	355	20	293	47	858	7	105
18	Madhya Pradesh	23	357	17	325	12	210	1	25
19	Maharashtra	142	2051	100	1507	61	1005	14	225
20	Manipur	0	0	0	0	0	0	0	0
21	Meghalaya	1	38	0	0	0	0	0	0
22	Mizoram	0	0	0	0	0	0	0	0
23	Nagaland	0	0	1	13	1	13	0	0
24	Odisha	14	259	7	119	6	110	1	3
25	Pondicherry	0	0	0	0	0	0	0	0
26	Punjab	42	468	27	364	28	351	4	59
27	Rajasthan	76	1242	84	1564	51	850	3	35
28	Sikkim	0	0	0	0	0	0	0	0
29	Tamil Nadu	62	1169	31	674	26	546	8	157
30	Tripura	0	0	0	0	0	0	0	0
31	Uttar Pradesh	65	1098	33	631	38	606	1	25
32	Uttarakhand	6	156	4	96	3	84	0	0
33	West Bengal	27	467	17	409	8	156	0	0
	Total	889	14473	562	9912	500	8631	62	1044

Annexure-II

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF THE LOK SABHA UNSTARRED QUESTION NO. 2950 ANSWERED ON 13th MARCH, 2018, REGARDING FOOD PROCESSING INDUSTRIES.

Consolidated State-wise Status of main components of Schemes as on 28.02.2018

Sl. No.	State/UT	Mega Food Parks (42)		Cold Chain Projects (134)		CEFPPC Projects (52)		Food Testing Laboratory (108)		Agro Processing Cluster (5)	
		Operational Projects	Ongoing Projects	Complete Projects	Ongoing Projects	Complete Projects	Ongoing Projects	Complete Projects	Ongoing Projects	Complete Projects	Ongoing Projects
1	Andhra Pradesh	1	2	1	1	0	0	1	0	0	0
2	Andaman & Nicobar	0	0	0	0	0	0	0	0	0	0
3	Arunachal Pradesh	0	1	0	0	0	0	0	0	0	0
4	Assam	1	0	1	1	0	1	1	2	0	0
5	Bihar	0	1	1	1	0	0	0	0	0	0
6	Chandigarh	0	0	0	0	0	0	0	0	0	0
7	Chhattisgarh	0	1	1	1	0	0	0	0	0	0
8	Daman & Diu	0	0	0	0	0	0	0	0	0	0
9	Delhi	0	0	0	0	0	0	5	2	0	0
10	Goa	0	0	0	0	0	0	0	0	0	0
11	Gujarat	0	2	8	2	0	4	8	2	0	0
12	Haryana	0	2	2	6	0	0	7	5	0	0
13	Himachal Pradesh	0	1	6	3	0	1	0	1	0	0
14	Jammu & Kashmir	0	1	2	2	0	0	0	2	0	0
15	Jharkhand	1	0	0	0	0	0	1	0	0	0
16	Karnataka	1	1	4	0	0	4	4	1	0	0
17	Kerala	0	2	1	1	0	1	2	0	0	0
18	Madhya Pradesh	1	1	3	1	0	2	1	2	0	0
19	Maharashtra	0	3	19	8	0	4	14	3	0	5
20	Manipur	0	0	1	0	0	1	1	0	0	0
21	Meghalaya	0	0	0	0	0	0	0	0	0	0
22	Mizoram	0	1	2	0	0	0	0	0	0	0
23	Nagaland	0	1	0	0	0	3	0	1	0	0
24	Odisha	1	1	0	1	0	1	2	0	0	0
25	Puducherry	0	0	0	0	0	0	0	0	0	0
26	Punjab	1	2	7	5	0	3	3	4	0	0
27	Rajasthan	0	1	2	2	0	2	1	0	0	0
28	Sikkim	0	0	0	0	0	0	0	1	0	0
29	Tamil Nadu	0	0	2	1	0	19	8	3	0	0
30	Telangana	0	4	1	2	0	0	3	1	0	0
31	Tripura	0	1	0	0	0	1	0	1	0	0
32	Uttar Pradesh	0	3	4	5	0	0	5	1	0	0
33	Uttarakhand	1	1	9	6	0	5	0	1	0	0
34	West Bengal	1	0	6	2	0	0	5	3	0	0
	Total	9	33	83	51	0	52	72	36	0	5

**ANNEXURE REFERRED TO IN REPLY TO PART (e) OF THE LOK SABHA UNSTARRED QUESTION NO. 2950
ANSWERED ON 13th MARCH, 2018, REGARDING FOOD PROCESSING INDUSTRIES.**

R&D Ongoing projects (Rs. In Lakh)				
Sr. No.	Project Title	PI Name and Address/ Contact No	Amount of GIA Sanctioned	Amount Released
Assam				
1	Development of enzyme based extraction process for improving quality and recovery of starch from different varieties of Colocasia Esculenta (Arbi) of Assam for food use	Department of Food Processing Technology Assam	27.26	26.13
2	Development of ready to reconstitute misti dahi powder	Department of Food Processing Technology , Assam	15.97	14.72
3	Development of value added products from Minor Fruits of Assam	D/o Food & Nutrition, Assam Agricultural University	65.93	62.04
4	Development of shelf stable pork products using retort processing technology for promoting entrepreneurship in north eastern states of India	Department of Livestock Products Technology, ICAR – National Research Centre on Pig, Guwahati 781131	44.15	43.19
5	Evaluation of nutritive values of wild and cultivated edible insects of Assam and their processing for boosting shelf life and rural economy	Department of Biotechnology, Gauhati University Guwahati 781014	38.92	25.46
Haryana				
6	Technology of Heart Friendly Herbal - Milk Smoothe with Prophylactic Effect against CVD and Associate Risks	Division of Dairy Technology, ICAR-National Dairy Research Institute, Karnal 132001	43.36	20.10
7	Evaluation of Anti-biofilm, Anti-microbial effect of natural compounds against food - bourne pathogens	Department of Basic and Applied Sciences, National Institute of Food Technology Entrepreneurship and Management, Plot No 97, sect 56, HSIIDC Industrial Estate Sonapat	34.31	23.56
Karnataka				
8	Value added and Healthful Texturized egg product	CFTRI, Mysore	38.51	29.85
9	Red Sorghum flakes based snack bar for health and nutritional security	University of Agricultural Sciences, Dharwad, Karnataka	36.92	32.20
10	Isolation and screening for native wine yeast cultures for the production of Indian Wine	CFTRI, Mysore	70.01	44.33
11	Edible Confectionery Chews and Functional Beverage Mix for Increased/Sustenance of Energy Levels in Sports Personnel	CSIR-Central Food Technological Research Institute, Mysore 570020	13.17	11.83
12	Development of technology for production of multigrain semolina mixes and its food application	CSIR-Central Food Technological Research Institute, Mysore 570020	29.83	29.01
13	Identification and characterisation of bioactive metabolites from the fruits of under-utilized plants: Malpighia glabra and Ixora coccinea their post-harvest processing for value addition	CSIR-Central Food Technological Research Institute, Mysore 570020	40.54	39.68
14	Development of equipment for grating cum seed separation of Amla and a process for production of green Amla powder	CSIR-Central Food Technological Research Institute, Mysore-570020	14.36	13.60
15	Development of technologies for value addition to under utilized rhizomes	Central Food Technological Research Institute, Mysore	29.76	14.23

16	Technologies for Development of Value Added Products from Green Coffee	Spice and Flavor Science, Central Food Technological Research Institute, Mysore	34.42	16.14
Maharashtra				
17	Low cost Dehydration of Fruits and Vegetables using continuous explosion Puffing Process (CEPP)	M/s Ghatge Precision Engineering Pvt. Limited, Shahunagar, Godoli, Satara-415001	34.16	30.74
18	Improvement of Nutritional Value of Finger Millet by Extrusion cooking Technology	Department of Agricultural Process Engineering, Dr. B.S. KonkankrishiVidyapeethDapoli -415712.	37.51	33.29
19	Studies on preparation of Syrup and Jaggery of Neera obtained from Phoenix sylvestris	University of Pune, Pune-411007	24.67	22.78
20	Microwave (MV) Enhanced Air Heating and Drying System for Value addition of Agro-based Products: Dehydration and Disinfestations	Department of Electrical Engineering, IIT Bombay, Powai, Mumbai	24.70	18.35
21	Validation of Nutracritically important plant resources in India by DNA Barcoding using various Gene Markers of India	Dr. Babasaheb AmbedkarMarathwada University, Aurangabad	147.24	147.10
22	Processing and Packaging of Tender Coconut Water for Rural Market	Indian Institute of Packaging , Andheri, Mumbai	46.664	31.58
23	Intensified Recovery of Valuable Products from Whey using Ultrasound	Department of Chemical Engineering, Institute of Chemical Technology, Mumbai 400019	41.41	29.45
Meghalaya				
24	Low cost process development and quality evaluation of carbonated beverages made from Aloe Vera Gel Blend with extract of Amla, Sweet Lime and Ginger in Meghalaya- North East Region	Department of Basic Science and Humanities, College of Home Science, Central Agricultural University, Tura, Meghalaya-794005	27.22	23.26
25	Isolation modification of nonconventional sources of starch from North Eastern Region and their potential food application	College of Home Science CAU, Tura, Meghalaya	40.184	35.59
Odisha				
26	Development of Cost Effective Microwave-Infrared-UV Assisted Continuous Sterilization Process for Spices	Department of Food Process Engineering, National Institute of Technology Rourkela 769008	53.62	52.10
Punjab				
27	Development of process for isolation of pigments, flavonoids & Essential Oils by super critical extraction using selected foods/vegetables/spices	Department of Chemical, Engineering & Technology, Panjab University, Chandigarh	47.00	46.73
28	Development of Processing Techniques for Preserving Juvenile Shoots of nutritionally rich and Edible Bamboos of Sub- Himalayan and North Eastern Region of India	Panjab University, Department of Botany, Chandigarh-160014.	1.069 Cr	86.51
29	Development of Fortification Technology for Milk to Increase Bioavailability of Mineral	Guru AngadDev Veterinary & Animal Sciences University, Ludhiana, Punjab	70.72	68.66
30	Isolation and Characterization of Dairy Flora of Punjab Region as Probiotic with Bio-therapeutic Potential and Development of Preservation Technology for Ready to Use Cultures	Guru Angad Dev Veterinary and Animal Science University, Ludhiana141004	70.55	68.95

31	Rapid and confirmatory detection of important animal meat based food borne pathogens and its associated toxicants and natural toxicants by using immuno-histopathological and molecular techniques- A step towards One Health Concept	Department of Veterinary Pathology, College of Veterinary Science Guru AngadDev Veterinary and Animal Science University (GADVASU) Ludhiana 141004	47.46	35.00
Tamil Nadu				
32	Exploring the use of ornamental flowers as natural food colorants	Tamil Nadu Agricultural University, Periyakulam – 625604, Tamil Nadu	24.59	16.77
33	Development of technology for resistant/ modified starch substituted Cereals/ milled and pulses blended bakery and pasta products	Tamil Nadu Agricultural University, Home Science College and Research Institute, Madurai	37.96	32.97
34	Development of Shelf Stable Chicken Meat Products with Natural Preservatives-A Hurdle Technology Approach	Department of Meat Science and Technology, Veterinary College and Research Institute, Namakkal-637002.	31.90	24.70
35	Pre and post harvest technologies for moringa to enhance the shelf life and value addition	Agriculture Engineering College & Research Institute, Tamil Nadu Agricultural University, Coimbatore	38.51	34.65
36	Fabrication of Highly Sensitive nanocomposited MnO ₂ /CNTs Based Sensor for Detection of Hydrogen Peroxide in Milk	Research Department of Physics, Bishop Heber College, Vayalur Road, Tiruchirappalli 620017	39.82	34.14
37	Identification of sustainable technologies for value chain development of Jackfruit	Department of Food Tech/Nutrition, Indian Institute of Crop Processing Technology, Thanjavur 613005	51.86	32.35
38	Solar Energy Assisted On-Farm Thresher Cum Winnowing Processing Gadgets For Millet Farmers	Department of Food Engineering, Indian Institute of Crop Processing Technology, Pudukkottai Road Thanjavur 613005	48.62	39.31
39	Nanopatterning with low temperature process for the production of instant foaming soluble coffee	Indian Institute of Crop Processing Technology, Thanjavur	48.84	36.16
Telangana				
40	Development of nutrient rich, low GI multiple whole grain products	National Institute of Nutrition (ICMR), Jamiaosmania, Hyderabad 500007	45.00	43.32
41	Detection and Quantification of Animal Body Fat (Tallow)/Vegetable Fat in Milk Fat/Ghee	Department of Animal Biochemistry, ICAR-National Research Centre on Meat Chengicherla, Boduppal (Post) Hyderabad 500092	98.40	94.96
Tripura				
42	Development of ready-to-serve fish products through flexible retort pouch technology for Northeast Markets	Central Agricultural University, Agartala, Tripura	26.402	23.82
Uttar Pradesh				
43	Development of technology for the processing and preparation of value added Wood Apple	Bundelkhand University, Kanpur Road, Jhansi-284128.	39.40	19.70
44	Development and Production Technologies for Guava Pulp Enriched Fermented Dairy Products	Banaras Hindu University, Varanasi	41.27	32.51
West Bengal				

45	Food Irradiation Unit assisting (i) Food Processing Industries (ii) R&D in new areas of irradiated food & (iii) Training Centre for food irradiation specially for Eastern & North Eastern Region	Jadavpur University, Kolkata-700032, India.	380.00	374.14
46	Ultra High Temperature Processing of Liquid Beverages and semisolid food products by microwave and electrical energy heating	Jadavpur University, Kolkata-700032, India.	44.00	39.60
47	Development of Antimicrobial polymeric nanocomposite film from PET waste for packaging of milk and milk products	Department of polymer, Science and Technology, University of Calcutta, Kolkata	48.291	44.08
48	Production of functional dahi by isolated probiotic strain from breast fed human baby	Post Graduate Department of Microbiology, Bidhannagar College. W.B.	25.22	14.86
49	Development of Functional Fish Sausage for Promoting Entrepreneurship	Post Harvest Technology, ICAR-Central Institute of Fisheries Education Salt Lake Kolkatta 700091	43.31	31.00