

component includes establishment of cold storages, staging cold room, pack house, pre-cooling units, controlled atmosphere storage, reefer vans, primary/mobile processing units and setting up of ripening chambers etc. These facilities can be set up at farm gate by the entrepreneurs. The scheme is demand and entrepreneur driven for which credit linked back ended subsidy @ of 35% of admissible project cost in general areas and 50% in North-East, hilly and scheduled areas is available through respective State Horticulture Missions.

Agricultural and Processed Food Products Export Development Authority (APEDA) under Department of Commerce, Ministry of Commerce and Industries is also providing assistance under their scheme for infrastructure development.

Promotion of Food Processing Industry in North-Eastern States

2340. SHRI D.P. TRIPATHI: Will the Minister of FOOD PROCESSING INDUSTRIES be pleased to state:

- (a) whether there have been initiatives to promote Food Processing Industry in the North-Eastern States;
- (b) if so, the details thereof, State-wise; and
- (c) if not, the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF FOOD PROCESSING INDUSTRIES (SADHVI NIRANJAN JYOTI): (a) and (b) Yes Sir. For promotion of Food Processing Industries in the country including North-Eastern States, the Ministry of Food Processing Industries is implementing various Central Sector Schemes, namely (1) Scheme for Infrastructure Development for Food Processing having components of (i) Mega Food Parks, (ii) Integrated Cold Chain, Value Addition and Preservation Infrastructure and (iii) Setting-up / Modernisation of Abattoirs; (2) Scheme of Technology Upgradation/ Establishment / Modernisation of Food Processing Industries (spill-over liabilities); (3) Scheme for Quality Assurance, Codex Standards, Research & Development and Other Promotional Activities; (4) Scheme for Human Resource Development and (5) Scheme of Strengthening of Institutions. The projects setup under these schemes in North-Eastern States are provided financial assistance at a higher rate. The State-wise and Scheme-wise details are given in the Statement (*See* below).

- (c) Does not arise.

Statement

The Scheme-wise and State-wise details of various Central Sector Schemes to promote Food Processing Industry

1. Mega Food Park Scheme

(₹ in crore)

Sl. No.	Name of the State	Project Name	Project Cost	Date of Final Approval	Grant Sanctioned	Grant Released
1.	Assam	North East Mega Food Park Ltd., Nalbari	80.85	30.03.2009	50.00	45.00
2.	Mizoram	Zoram Mega Food Park Pvt. Ltd., Aizawl	75.20	10.06.2015	50.00	15.00
3.	Tripura	Sikaria Mega Food Park Pvt. Ltd., West Tripura	87.45	30.11.2011	50.00	20.79

2. Cold Chain Scheme

(₹ in lakh)

Sl. No.	Name of the State	Project	District	Sector	Date of Approval	Project Cost	Grant Sanctioned	Grant Released
1.	Assam	Global Entrade	Kamrup	F&V	06-08-2012	1595.90	908.15	908.15
2.	Assam	E-Appliances	Kamrup	F&V	24-12-2013	1399.51	862.45	215.61
3.	Manipur	Associate Action for Progressive Dev. Society	Senapati	F&V	26.05.2011	1849.00	995.67	995.67
4.	Mizoram	Mizofa Fish Seed Farm	Champhai	Fish	11.11.2011	404.01	303.01	303.01
5.	Mizoram	Zoram Fish Seeds Production Centre	Aizawl	Fish	30.07.2012	1726.22	974.33	974.30

3. Setting up/Modernisation of Abattoir Scheme

(₹ in crore)

Sl. No.	Name of the State	Name of Promoter	Total Project Cost	Grant Sanctioned	Grant Released
1.	Arunachal Pradesh	Itanagar Municipal Council, Neharlagun, Itanagar	16.32	10.20	1.02
2.	Mizoram	Industry Department & MIFCO, Mizoram, Aizawl	20.91	12.86	1.28
3.	Nagaland	Dimapur Municipal Council, Dimapur	22.88	14.02	14.02
4.	Nagaland	Municipal Council Mokokchung	17.08	11.07	4.43
5.	Nagaland	Municipal Council Kohima	18.95	8.38	1.50
6.	Sikkim	Department of Animal Husbandry, Livestock, Fisheries & Veterinary Services at Majhitar, East South Sikkim	27.07	15.00	1.50
7.	Sikkim	Sikkim Livestock Processing & Development Corporation Ltd. (SLP & DC), Krishi Bhawan, Tadong, Gangtok, Sikkim-737102 at Gyalzing, West Sikkim	17.56	11.08	1.11
8.	Sikkim	SLP & DC, Krishi Bhawan, Tadong, Gangtok, Sikkim-737102 at Melli, South Sikkim	4.33	2.26	0.23

The Scheme of Setting up/Modernisation of Abattoir has been subsumed under the CSS - National Mission on Food Processing (NMFP) for implementation through States/UTs. CSS - NMFP has been de-linked from Central Government support *w.e.f.* 01.04.2015.

4. Food Testing Laboratories Scheme

(₹ in lakh)

Sl. No.	Name of the State	Name and location of the Laboratory	Grant Approved	Grant Released
1	2	3	4	5
1.	Assam	Department of Food Processing Technology, Tezpur University, Napaam	202.706	159.82
2.	Assam	M/s. En-Geo Consultancy & Research Centre, Ambari, Guwahati	211.36	53.00
3.	Manipur	M/s. S. Kula Women's College Kongkhampat, Nambol	179.93	179.93

1	2	3	4	5
4.	Nagaland	State Public Health Laboratory, Kohima	151.46	60.584
5.	Sikkim	Quality Control Laboratory, Silviculture and Research, Forest, Environment and Wild Life Management Department, Govt. of Sikkim, Gangtok	455.11	182.044
6.	Tripura	Regional Food Laboratory, Pt. Nehru Office Complex, Health & Family Welfare Department, Govt. of Tripura, Kunjaban, Agartala	226.61	90.644

5. Research & Development in Food Processing Sector Scheme

(i) Completed R&D Projects - 10.

(₹ in lakh)

Sl. No.	Name of the State	Project Title	Institute/ College/ University	Grant Sanctioned	Grant Released
1	2	3	4	5	6
1.	Assam	Quality improvement of traditional method of rice beer production by the tribal people of North-East India	Department of Food Processing Technology, Tezpur University, Napaam, Tezpur	78.68	77.548
2.	Assam	Production of dried honey powder using vacuum puffing technique	Assam University, Silchar,	24.75	12.37
3.	Assam	Refinement, 'standardisation and popularisation of technologies for value added pork products in North-Eastern India	National Research Centre on Pig, Indian Council of Agricultural Research, Rani Guwahati	32.55	29.71
4.	Assam	Development of health promoting extruded recedy to eat breakfast cereal incorporating chokua rice and bhimkol banana of Assam along with carambola pomace	Department of Food Processing Technology, Tezpur University, Napaam, Tezpur	40.32	30.69

1	2	3	4	5	6
5.	Assam	Quality Assessment of traditionally processed dried fish of the North East India	Department of Biotechnology, Gauhati University, Guwahati	32.93	27.29
6.	Assam	Development of Degradable Food Packaging Technology 'Green-PACK'	Department of Chemical Engineering, Indian Institute of Technology, Guwahati	29.97	29.17
7.	Assam	Pilot Scale Process Technology for 'BHIMKOL' (MUSA BALBISIANA) Slice, Grits and Powder using Hybrid Drying Methods	Department of Food Engineering & Technology, Tezpur University, Napaam, Tezpur	35.32	33.41
8.	Assam	Studies on Development of Cereal Based Functional Breakfast Food from the underutilized crops of North-East India	Department of Food Engineering & Technology, Tezpur University, Napaam, Tezpur	29.20	26.76
9.	Assam	Osmotic Dehydration and Microwave vacuum drying of Kachkal Banana	Department of Food Engineering & Technology, Tezpur University, Napaam, Tezpur	20.81	17.59
10.	Tripura	Technology Assessment Standardisation and Acceleration of Shidal Production in Northeast India	Department of Fish Processing Technology, College of Fisheries, Central Agriculture University, Lembucherra, Agartala	39.88	37.34

(ii) R&D Ongoing Projects - 15.

(₹ In lakh)

Sl. No.	Name of the State	Project Title	Institute/ College/ University	Grant Sanctioned	Grant Released
1	2	3	4	5	6
1.	Assam	Application of multi-hurdle technology for value addition and preservation of spent chicken meat products at room temperature	Assam Agricultural University, Khanapara, Guwahati	48.36	46.39

1	2	3	4	5	6
2.	Assam	Development of economic process for the drying of Umorok Chilli and Turmeric and their quality evaluation with stability study	CSIR, NEIST, Jorhat	31.04	21.44
3.	Assam	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, Tezpur University, Tezpur	27.26	26.13
4.	Assam	Development of ready to reconstitute misti dahi powder	Department of Food Processing Technology, Tezpur University, Tezpur	15.97	14.72
5.	Assam	Studies on Functional properties of the dominant microflora found in rice beer of Assam	Tezpur University, Napaam, Tezpur	46.02	40.65
6.	Assam	Development of value added products from Minor Fruits of Assam	Department of Food & Nutrition, Assam Agricultural University, Khanapara, Guwahati	65.93	62.04
7.	Assam	Development of a Process for Effective use of Acetylcholinesterase (AChE) Biosensors for Quantification of Organophosphate and Organocarbamate Pesticide Residues in Produce	Department of Chemical Sciences, Tezpur University, Napaam, Tezpur	11.37	6.37
8.	Assam	Development of Value added food products from Leaf Lrotein	Department of Food Engineering and Technology, Tezpur	21.55	15.77

1	2	3	4	5	6
		concentrate of Green Leafy Vegetables of Assam	University, Napaam, Tezpur		
9.	Assam	Development of shelf stable pork products using retort processing technology for promoting entrepreneurship in north Eastern States of India	Department of Livestock Products Technology, National Research Centre on Pig, Guwahati	44.15	28.19
10.	Assam	Biodegradable Polymer based Thermally Conductive Packaging Films 'Thermo-Pack'	Department of Chemical Engineering, Indian Institute of Technology, Guwahati	38.50	34.59
11.	Assam	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	38.92	16.25
12.	Meghalaya	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,	27.22	23.26
13.	Meghalaya	Isolation modification of non-conventional sources of starch from North Eastern Region and their potential food application	College of Home Science, Central Agricultural University, Tura,	40.184	35.59
14.	Meghalaya	Approaches to Value Addition of the Chow-	State Institute of Rural Development, Nongtsder	33.00	24.75

1	2	3	4	5	6
		Chow Fruit by its Fermentation to a Nutritionally Improved Product			
15.	Tripura	Development of ready-to-serve fish products through flexible retort pouch technology for Northeast Markets	Central Agricultural University, Agartala,	26.402	23.82

6. Scheme of Technology upgradation / Establishment/Modernisation of Food Processing Industries

No. of units assisted and financial assistance provided during 11th Plan and 12th Plan period

(₹ in lakh)

Sl. No.	Name of the State	11th Five Year Plan		2012-13		2013-14		2014-15		2015-16	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
1.	Arunachal Pradesh	6	460.23	0	0.0	2	69.00	0	0.0	0	0.0
2.	Assam	89	2156.20	18	376.12	11	255.00	2	40.00	4	53.00
3.	Manipur	24	484.69	21	467.49	38	944.00	0	0.0	0	0.0
4.	Meghalaya	7	390.83	1	5.42	3	72.00	1	38.00	0	0.0
5.	Mizoram	1	11.00	0	0.0	0	0.0	0	0.0	0	0.0
6.	Nagaland	7	276.89	2	14.21	2	22.00	0	0.0	1	13.00
7.	Sikkim	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8.	Tripura	3	53.84	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL		137	3833.68	42	863.24	56	1362.00	3	78.00	5	66.00

The Scheme for Technology upgradation / Establishment/Modernisation of Food Processing Industries has been subsumed under the CSS - National Mission on Food Processing (NMFP) for implementation through States/UTs. CSS - NMFP has been de-linked from Central Government support w.e.f. 01.04.2015.

7. Scheme of Human Resource Development

*Food Processing Training Centers (FPTCs) assisted during
11th Plan and 12th Plan period*

(₹ in lakh)

Sl. No.	Name of the State	11th Five Year Plan		2012-13		2013-14		2014-15		2015-16	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
1.	Arunachal Pradesh	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2.	Assam	6	30.00	1	5.69	0	1.87	0	0.0	0	0.0
3.	Manipur	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
4.	Meghalaya	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5.	Mizoram	1	7.50	0	0.0	0	0.0	0	0.0	0	0.0
6.	Nagaland	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7.	Sikkim	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8.	Tripura	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL		7	37.50	1	5.69	0	1.87	0	0.0	0	0.0

Projects assisted for Creation of Infrastructure Facilities for running Degree/Diploma Courses during 11th Plan and 12th Plan period

(₹ in lakh)

Sl. No.	Name of the State	11th Five Year Plan		2012-13		2013-14		2014-15		2015-16	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
1.	Arunachal Pradesh	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2.	Assam	1	97.71	0	0.0	0	0.0	0	0.0	0	0.0
3.	Manipur	1	48.56	0	0.0	0	0.0	0	0.0	0	0.0
4.	Meghalaya	0	0.0	0	0.0	0	0.0	0	0.0	0	28.02
5.	Mizoram	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
6.	Nagaland	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
7.	Sikkim	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
8.	Tripura	1	26.80	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL		3	173.07	0	0.0	0	0.0	0	0.0	0	28.02

Entrepreneurship Development Programmes (EDP) assisted under HRD Scheme during 11th Plan and 12th Plan period

(₹ in lakh)

Sl. No.	Name of the State	11th Five Year Plan		2012-13		2013-14		2014-15		2015-16	
		No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
1.	Arunachal Pradesh	14	17.50	0	7.00	0	2.00	0	0.00	0	0.00
2.	Assam	40	51.50	1	8.46	0	10.50	0	0.50	0	0.97
3.	Manipur	11	12.50	2	5.40	1	5.50	0	0.50	0	1.00
4.	Meghalaya	14	20.50	0	6.50	0	3.00	0	0.00	0	0.00
5.	Mizoram	12	13.50	0	5.00	0	1.00	0	0.00	0	0.00
6.	Nagaland	16	20.00	0	7.50	0	2.50	0	0.00	0	0.00
7.	Sikkim	10	14.37	0	1.00	0	0.00	0	1.00	0	0.00
8.	Tripura	24	29.00	0	3.00	0	3.50	0	0.00	0	0.00
TOTAL		141	178.87	3	43.86	1	28.00	0	2.00	0	1.97

The Scheme of HRD has been subsumed under the CSS - National Mission on Food Processing (NMFP) for implementation through States/UTs. CSS - NMFP has been de-linked from Central Government support w.e.f. 01.04.2015.

8. Centrally sponsored scheme National Mission on Food Processing (NMFP)

Government of India Share released to North Eastern Region

(₹ in crore)

Sl. No.	Name of the State	2012-13		2013-14		2014-15	
		Allocation	GOI share released	Allocation	GOI share released	Allocation	GOI share released
1	2	3	4	5	6	7	8
1.	Arunachal Pradesh	4.20	3.15	2.70	1.35	2.35	0.51
2.	Assam	5.47	4.10	3.97	0.00	2.98	2.35
3.	Manipur	3.79	2.84	2.29	0.00	2.14	3.84
4.	Meghalaya	3.80	2.85	2.30	1.15	2.15	0.82

1	2	3	4	5	6	7	8
5.	Mizoram	3.71	2.78	2.21	1.11	2.11	0.00
6.	Nagaland	3.71	2.78	2.21	0.00	2.11	6.11
7.	Sikkim	3.58	3.06	2.08	0.00	2.04	0.62
8.	Tripura	3.74	2.81	2.24	1.12	2.12	0.74
TOTAL		32.00	24.37	20.00	4.73	18.00	14.99

CSS - NMFP has been delinked from Central Government support *w.e.f.* 01.04.2015.

Food Parks in Punjab

2341. SHRIMATI AMBIKA SONI: Will the Minister of FOOD PROCESSING INDUSTRIES be pleased to state:

(a) whether Government has received any proposal from Government of Punjab to set up Food Parks in the State to utilize the abundant food grains and fruits available there, if so, the details thereof; and

(b) if no proposal has been received, whether Government *suo-motu* proposes to set up Food Parks in Punjab, if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF FOOD PROCESSING INDUSTRIES (SADHVI NIRANJAN JYOTI): (a) and (b) Ministry of Food Processing Industries has been implementing Mega Food Park Scheme since Eleventh Five Year Plan to create modern infrastructure for the food processing. Under the scheme, financial assistance is provided as grants-in-aid @50% of the eligible project cost in general areas and 75% of eligible project cost in North East States and difficult areas (Hilly States and ITDP areas) subject to a maximum ₹ 50.00 crore per project. The Ministry has sanctioned one Mega Food Park to M/s Punjab Agro Industries Corporation Ltd. (PAIC), an undertaking of Government of Punjab and two Mega Food Parks to private entrepreneurs as per the details below:

(₹ in crore)					
Sl. No.	Project Name	Date of Final Approval	Project Cost	Approved Grant-in-Aid	Status
1.	M/s International Mega Food Park Ltd., Fazilka	25.05.2011	130.38	50.00	Operational
2.	M/s Sukhjit Mega Food Park & Infra Ltd., Kapurthala	06.11.2015	123.72	50.00	Under implementation
3.	M/s Punjab Agro Industries Corporation Ltd. (PAIC), Ludhiana	27.11.2015	117.61	50.00	Under implementation