

FOOD PROCESSING

Towards Sustainable Growth Opportunities



ASSAM

ASSAM





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ACRONYMS

| ABBREVIATION | DEFINITION |
|--------------|---|
| AGMARK | Agriculture Marketing |
| AHIDF | Animal Husbandry Infrastructure Development Fund |
| AMM | Assam Millets Mission |
| APC | Agro Processing Cluster |
| APEDA | Agricultural and Processed Food Products Export Development Authority |
| ASI | Annual Survey of India |
| ASPIRE | A Scheme for Promotion of Innovation, Rural Industry and Entrepreneurship |
| BIS | Bureau of Indian Standards |
| CAGR | Compound Annual Growth Rate |
| CEFPPC | Creation/Expansion of Food Processing & Preservation Capacities |
| CFTRI | Central Food Technological Research Institute, Mysore |
| CIPET | Central Institute of Petrochemicals Engineering & Technology |
| CLCSS | Credit Linked Capital Subsidy Scheme |
| CST | Central Sales Tax |
| CTC | Cut, Tear & Curl |
| DIDF | Dairy Processing & Infrastructure Development Fund |
| DPIIT | Department for Promotion of Industry and Internal Trade |
| DPR | Detailed Project Report |
| DRPs | District Resource Persons |
| e-NAM | Electronic National Agriculture Market |
| EoDB | Ease of Doing Business |
| EOI | Expression of Interest |
| F&V | Fruits & Vegetables |
| FAOSTAT | Food and Agriculture Organization Corporate Statistical Database |
| FDI | Foreign Direct Investment |
| FIDF | Fisheries and Aquaculture Infrastructure Development Fund |
| FME | Formalization of Micro Food Processing Enterprise |
| FPC | Farmer Producer Company |
| FPOs | Farmer Producer Organizations |
| FSSAI | Food Safety and Standards Authority of India |
| FTL | Food Testing Laboratory |
| GIS | Geographic Information System |
| GMC | Guwahati Municipal Corporation |
| GMDA | Guwahati Metropolitan Development Authority |
| GSDP | Gross State Domestic Product |
| GST | Goods and Services Tax |
| GTAC | Guwahati Tea Auction Centre |
| GVA | Gross Value Added |
| Ha | Hectare |
| HACCP | Hazard Analysis and Critical Control Point |
| HT | High Tension |
| ICC | Integrated Cold Chain and Value Addition Infrastructure |
| ICD | Inland Container Depot |
| INR | India Rupee |
| IQF | Individual Quick Freezing |
| ISO | International Organization for Standardization |
| Km | Kilometre |

ACRONYMS

| ABBREVIATION | DEFINITION |
|--------------|---|
| LEADS | LEADS - Logistics Ease Across Different States |
| LLP | LLP - Limited Liability Partnership |
| LT | LT- Low Tension |
| MIDH | Mission for Integrated Development of Horticulture |
| MoFPI | Ministry of Food Processing Industries |
| MSDE | Ministry of Skill Development & Entrepreneurship |
| MSEs | Micro and Small Enterprises |
| MSME | Ministry of Micro, Small and Medium Enterprises |
| MT | Metric Ton |
| MW | Mega Watt |
| NABARD | National Bank for Agriculture and Rural Development |
| NAIFF | National Agriculture Infra Financing Facility |
| NDDDB | National Dairy Development Board |
| NGO | Non-governmental organization |
| NOC | No Objection Certificate |
| ODOP | One District One Product |
| PLI | Production Linked Incentive |
| PLISFPI | Production Linked Incentive Scheme for Food Processing Industry |
| PLISMBP | Production Linked Incentive scheme for Millet-Based Products |
| PM-DevINE | Prime Minister's Development Initiative for North-East Region |
| PMFME | Pradhan Mantri Formalisation of Micro Food Processing Enterprises |
| PMKSY | Pradhan Mantri Kisan Sampada Yojana |
| PMKVY | Pradhan Mantri Kaushal Vikas Yojana |
| PMMSY | Pradhan Mantri Matsya Sampada Yojana |
| PSL | Priority Sector Lending |
| RBI | Reserve Bank of India |
| RTC | Ready to cook |
| RTD | Ready to drink |
| RTE | Ready to eat |
| SNA | State Nodal Agency |
| SC | Schedule Caste |
| SFAC | Small Farmers' Agri-Business Consortium |
| SGST | State Goods and Services Tax |
| SHG | Self-Help Groups |
| SILK MARK | Certification Mark for Silk Textiles |
| SMEs | Small and Medium Enterprises |
| SIPB | State Investment Promotion Board |
| Sq. Km | Square kilometre |
| SWC | Single Window Clearance |
| USD | U.S.Dollar |
| ZED | Zero Defect and Zero Effect |



ABSTRACT

Establishing Strong Linkages between Industry and Agriculture:

The food processing sector plays a crucial role in establishing strong linkages between the industry and the agriculture sector. It facilitates collaboration and integration, benefiting both sectors and boosting the overall agricultural value chain.

Remarkable Growth in the Indian Food Processing Sector:

The Indian food processing sector has achieved impressive growth, surpassing a 9% average annual growth rate since 2014-15. This indicates its strong potential and contribution to the Indian economy.

Significant Increase in Processed Food Exports:

India's processed food exports have experienced a significant surge, increasing from US\$4.96 billion in 2014-15 to US\$13.07 billion in 2022-23. This growth showcases the sector's competitiveness and ability to cater to international markets.

Agricultural Strength and Development Focus in Assam:

Assam has a robust agricultural sector, with 69% of entire workforce involved in agricultural pursuits, significantly higher than the national average of 54.6%. It has a significant Gross State Domestic Product (GSDP) of \$41.11 billion and is the largest producer of tea. Assam has dedicated tea parks, food processing parks, agri-export zones, and four oil refineries. Key sectors include food processing and the bamboo industry. It leads in logistics services in the North-East Region.

Promising Opportunities in Assam:

Assam presents a range of opportunities in the food processing sector, including ready-to-eat products, processed spices, and ready-to-drink beverages such as coffee and tea. It holds the second position in pineapple production nationwide and is the largest producer of bananas in the north-eastern region. Assam also takes pride in being the largest producer of tea globally, with its tea-growing areas having the prestigious Geographical Indication (GI) tag for 'Assam Orthodox Tea'. Assam's food processing industry has ample resources to tap into as it boasts a diverse range of agricultural and horticultural crops. The Ministry of Food Processing Industries has approved multiple units in Assam under the Pradhan Mantri - Kisan Sampada Yojana scheme. The state has also received investments under the Production Linked Incentive Scheme. The food processing sector in Assam offers abundant growth opportunities, covering fruits, vegetables, beverages, and ready-to-eat products.



01. FOOD PROCESSING IN INDIA

The food processing sector is uniquely placed amongst the manufacturing sectors due to its strong backward linkages to the farming activities. A well-developed food processing sector with a sufficiently higher level of processing helps in improving value addition, reducing post-harvest losses, promoting crop diversification, ensuring better returns to the farmers, promoting off-farm employment as well as increasing export earnings.

India ranks first in production of pulses & milk, second in vegetable & fruit, wheat & rice and third in cereals and eggs in the World, as per FAOSTAT estimates.¹

An abundant supply of raw materials, complemented with an increase in aggregate demand for processed food products among public as well as conducive policy environment offered by the Government of India has impacted the food processing sector positively. The Gross Value Addition (GVA) has increased from INR 1.34 Lakh Crore in 2014-15 to INR 2.37 Lakh Crore in 2020-21 exhibiting an average annual growth rate of 9.3%. The sector constituted as much as 10.54% and 11.57% of GVA in the Manufacturing and Agriculture sectors respectively in 2020-21 (at the 2011-12 prices).²



India's food and beverages market grew at a CAGR of 6.92% between 2017 - 22.³

India's food and beverages market is forecasted to grow at a CAGR of 9.94% from 2022 - 27.⁴

¹ Statistics | Food and Agriculture Organization of the United States

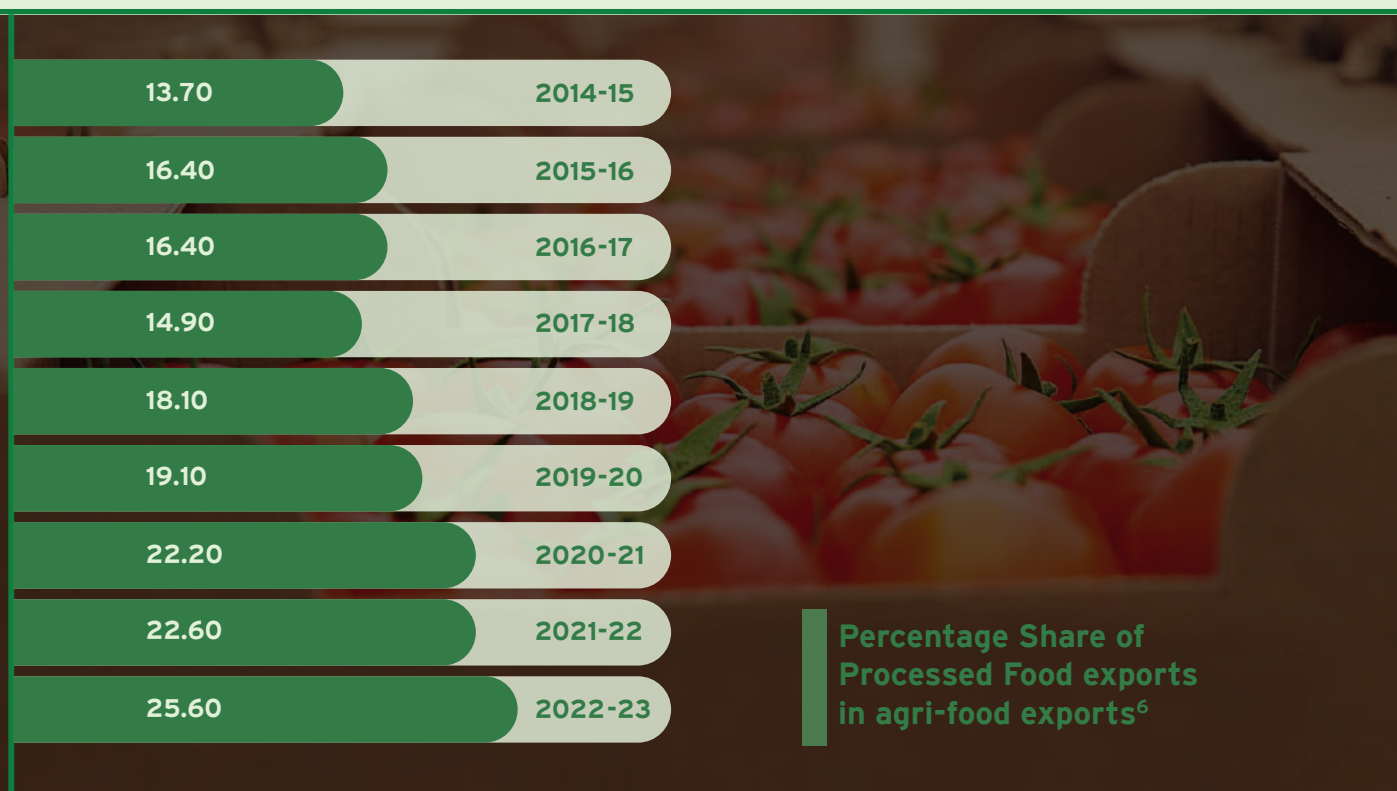
² MoFPI

³ Food and Beverages Global Market Briefing 2023 – The Business Research Company, December 2022

⁴ Ibid

As per the Annual Survey of Industries (ASI) latest estimates (2019-20), the Food Processing Sector employs nearly 12.2 % of the workforce in the registered factory sector.

The Export of Agri-Food products has increased from US\$ 36.17 in 2014-15 to US\$ 51.05 billion in 2022-23. The Export of Processed-Food products has increased from US\$ 4.96 in 2014-15 to US\$ 13.07 billion in 2022-23. Thus, the share of processed-food products in overall agri-food products exports has increased from 13.70% in 2014-15 to 25.60% in 2022-23.⁵



As per an Industrial estimate, Asia Pacific emerged as the dominant region in the global food and beverages market with 41.5% share of the global food and beverages market in 2022. Within the Asia Pacific region, India's food and beverages market was the third largest, followed by China and Japan, in the said period.⁷

⁵ MoFPI

⁶ Ibid

⁷ Ibid

02. OVERVIEW

Assam, the primary entrance to Northeast India, sharing borders with seven regions, namely Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Tripura, and West Bengal, as well as two neighboring countries, Bangladesh and Bhutan.

The region is abundantly blessed by nature, with the mighty Brahmaputra River flowing through its center, the Barak River in the south, and its tributaries offering plentiful water resources. The dense forest cover is home to a diverse range of valuable timber, bamboo, and medicinal plants, while the region also possesses reserves of oil and natural gas. The fertile valleys and hilly slopes support the cultivation of tea gardens, horticultural crops, and essential food grains. With 69%⁸ of Assam's entire workforce engaged in agricultural pursuits, significantly higher than the national average of 54.6%⁹

State Capital

Dispur

Geographic Area¹⁰

78,438 sq. km

Population (Census 2011)¹¹

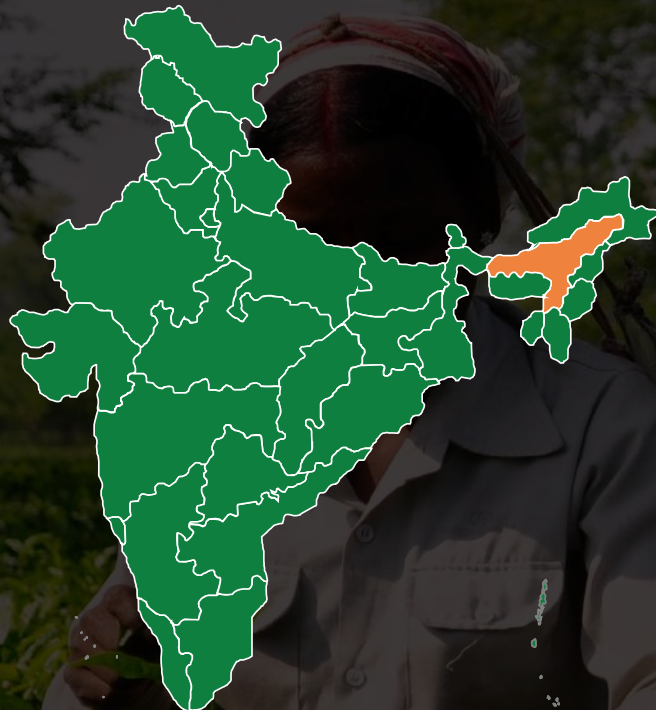
31.20 Million

Total Road Length (2019)¹²

3,99,122 (km)

Rail length (2021)¹³

3,662 (Route km)



⁸ APEDA | E-Catalogue For Export Of Millets And Value Added Products North Eastern Region

⁹ Census 2011

¹⁰ State Profile of Assam | Government of Assam | DIRECTORATE OF ECONOMICS AND STATISTICS

¹¹ MoSPI | Area and Population - Statistical Yearbook India 2017

¹² RBI | Handbook of Statistics on Indian States

¹³ DPIIT | LEADS 2022 Logistics Ease Across Different States

Gross State Domestic Product (GSDP)¹⁴

USD 41.11 Billion
(2020-21)

Airports¹⁶

Domestic Airports
Guwahati

Installed power¹⁷

Thermal
1144.44 MW

Renewables
706.12 MW

Of which, Hydro is
522.08 MW

Infrastructure²⁰

1
Inland Container Depot (ICD)

6
Air Cargo Terminals

33
Railway Goods Sheds

4.12
lakh MT Warehouse Capacity

2.33
lakh MT Cold Storage Capacity

Per Capita Net State Domestic Product¹⁵

USD 1050.02
(2020-21)

International Airports

**Tezpur, Jorhat, Dibrugarh,
Silchar & North Lakhimpur,
and Rupasi**

Available Land¹⁸

Mixed Category
19.30 ha

Agri Export Zone¹⁹

1
(Fresh and Processed Ginger)

Industrial Area^{21&22}

2
Growth Centers

8
Industrial Infrastructure Areas

3
Industrial Estate Areas

1
Export Promotion Industrial Park

27
Industrial Land

¹⁴ RBI | Handbook of Statistics on Indian States | GROSS STATE DOMESTIC PRODUCT

¹⁵ RBI | Handbook of Statistics on Indian States | Per Capita Net State Domestic Product

¹⁶ |Government of Assam| Industries & Commerce | Transportation

¹⁷ Central Electricity Authority | Installed Capacity Report (as on 31.03.2023)

¹⁸ India Industrial Land Bank (as on 31.05.2023)

¹⁹ APEDA | Agri Exchange | Agri Export Zone

²⁰ DPIIT | LEADS 2022: Logistics Ease Across Different States

²¹ Assam Industrial Development Corporation Ltd | Information and Service

²² NORTH-EAST – APAC VIRTUAL INVESTOR SUMMIT

03. ADVANTAGE ASSAM



Ranked #1 in NITI Aayog's Export Preparedness Index for North-East Region.²³



Dominates the "Overall logistics services" category in the **Achievers** segment for the North-East Region.²⁴



Graded as **Achiever** under north-east states category, as per DPIIT's **LEADS 2022**.²⁵



Digboi houses India's oldest functioning oil refinery.²⁶



Dedicated **Tea Park, Food Processing Park, Agri-Export Zones, and Four Oil Refineries**.



24-hour night navigation facilities, implemented by the **Inland Waterways Authority of India**.²⁷



15 National Waterways- 10% of cumulative navigable length in India²⁸



The Guwahati Tea Auction Centre (GTAC) is among the largest CTC (cut, tear, curl) tea auction centres in the world.²⁹

²³ Niti Aayog | Export Preparedness Index 2021

²⁴ DPIIT | LEADS 2022: Logistics Ease Across Different States

²⁵ Ibid

²⁶ India Investment Grid | Assam | PM Gati Shakti

²⁷ Advantage Assam | Government of Assam

²⁸ Ibid

²⁹ Assam State Portal | Assam Tea

Assam: World's Largest Tea Producer and Growing Region³⁰



Marking Assam Tea's Bicentennial Milestone³¹



Leading producer of petroleum, natural gas in India³²



Key Sectors - Food Processing and Bamboo Sector³³



Ranked #2 in pineapple production in the country³⁴



Largest producer of bananas in North-eastern region³⁵



³⁰ Tea Board | State/Region wise and Month wise Tea Production data for the year 2021-22

³¹ Industries and Commerce | About Tea Industries

³² India Investment Grid | Assam | PM Gati Shakti

³³ Advantage Assam

³⁴ Department of Agriculture & Farmers Welfare | Horticulture | State Level | Area and Production of Horticulture crops for 2021-22 (3rd Advance Estimates)

³⁵ Ibid

04. LOCAL FOOD SYSTEM

4.1 INDIGENOUS PRODUCE

Agriculture dominates the land usage in Assam, covering approximately 54.11%³⁶ of the state's total area. Around 69%³⁷ of the population relies on agriculture for their livelihoods, and six different agro-climatic zones³⁸ facilitate year-round cultivation of diverse crops, vegetables, and fruits.

Assam possesses a net sown area of 26.99 lakh hectares and a gross sown area of 39.75 lakh hectares, dedicated to agricultural activities.³⁹

The State actively engages in organic farming, experiencing significant growth in this sector, leading to increased demand for organic products abroad. By December 2022, the state's exports amounted to INR 3,081 crore, with a projected increase to INR 4,000 crore by April.⁴⁰

According to APEDA, Assam has witnessed a remarkable 85%⁴¹ surge in exports over the past six years. The state's export commodities include bhoot jalakia, pumpkin, jackfruit, litchi, pineapple, ginger, turmeric, joha rice, black rice, red rice, and more.

STATE HAS RECEIVED 7 GEOGRAPHICAL INDICATOR (GI) TAGS FOR⁴² -

- Assam Orthodox (Tea)
- Assam Karbi Anglong Ginger
- Tezpur Litchi
- Joha Rice of Assam
- Boka Chaul (Rice)
- Kaji Nemu (Lemon)
- Chokuwa Rice of Assam

³⁷ Land Resources Assam | Envis Centre, Ministry of Environment & Forest, Govt. of India

³⁸ APEDA | E-Catalogue For Export Of Millets And Value Added Products North Eastern Region

³⁹ Department of Agriculture & Horticulture | State Agriculture Policy Assam

⁴⁰ RBI | Handbook of Statistics on Indian States

⁴¹ APEDA | Agri-xchange | MARKET NEWS (Feb 28, 2023)

⁴² Intellectual Property | Registration Details of Geographical Indications

4.2 KEY PRODUCTION HIGHLIGHTS

Agricultural crops⁴³ comprise rice, wheat, barley, maize, oats, millets, pulses, oilseeds, palm seeds, sugarcane, and allied fibre.

Horticultural crops encompass a variety of fruits like Banana, Pineapple, papaya, Assam lemon, Orange, Guava, Litchi, Jack fruit, and Mango, as well as vegetables, potatoes, tuber crops, mushrooms, ornamental plants, medicinal and aromatic plants, spices, condiments, and plantation crops.

Contributes over **50% of India's total tea production**, making the state **world's largest**⁴⁴ tea-producing region. 'Assam Tea' has a **Geographical Indication (GI)** which is known as 'Assam Orthodox Tea'.⁴⁵

Amongst Indian states, Assam is:⁴⁶



2nd largest producer of **Pineapple**

4th largest producer of **Ginger**



4th in **Coriander** production

4th in **Jackfruit & Litchi** production



4th in **Radish** production

5th in **Cabbage** production



One of the top 10 producers of **Banana & Rice**

⁴³ Directorate of Agriculture | Government of Assam | Crop

⁴⁴ Tea Board India | Assam

⁴⁵ Department of Agriculture & Farmers Welfare | Horticulture | State Level | Area and Production of Horticulture crops for 2021-22 (3rd Advance Estimates)

⁴⁶ Intellectual Property | Registration Details of Geographical Indications

KEY PRODUCTION STATISTICS ARE PRESENTED BELOW^{47&48}

CROPS

'000 MT

RICE

5214.8

PULSES

108.7

COARSE CEREALS

151.2

WHEAT

12.9



LIVESTOCK & FISHERIES

MILK

954 '000 tonnes

EGGS

5253 lakh

MEAT

3.37 '000 tonnes

FISH

54 lakh tonnes



FRUITS

'000 MT

JACKFRUIT

212.16

PINEAPPLE

338.98

LITCHI

60.58

BANANA

1108



VEGETABLES

'000 MT

CABBAGE

744.75

RADISH

256.6

CAULIFLOWER

436.45

POTATO

761.84



SPICES

'000 MT

GARLIC

69.42

GINGER

169.26

CORIANDER

33.83

TURMERIC

21.49

⁴⁷ Department of Agriculture & Farmers Welfare | Horticulture | State Level | Area and Production of Horticulture crops for 2021-22 (3rd Advance Estimates)

⁴⁸ RBI | RBI Handbook of Statistics on Indian States

05. PRODUCTION CLUSTERS⁴⁹

The list below showcases the Production Clusters within the State under the Pradhan Mantri Formalisation of Micro Food Processing Enterprises Scheme (PMFME) -

HONEY

Baksa



MILK based products

Barpeta



POTATO based products

Biswanath Charali and Udalguri



TURMERIC

Bongaigaon



PINEAPPLE based products

Cachar



RICE based products

(soft rice, sticky rice)

Charaideo and Nalbari



RICE based products

(red rice)

Sivasagar



LEMON based products

Chirang



MUSTARD based products

Darrang, Dhemaji, Dibrugarh, and Majuli

CHILLI based products

Dhubri and Jorhat

GINGER based products

Dima Hasao, Karbi-Anglong and West Karbi-Anglong

BANANA based products

Goalpara and Kamrup (R)

BLACK RICE based products

Golaghat

ARECANUT/ BETELNUT

Hailakandi and Karimganj

SUGARCANE based products

Hojai





PICKLES

Kamrup (M) and Nagaon



MUSHROOM

Kokrajhar



PIGGERY (smoked meat)

Lakhimpur



GROUNDNUT products

Morigaon



JACKFRUIT based products

Sonitpur



CASHEW-NUT based products

South Salmara



CITRUS products

Tinsukia

06. MILLETS IN ASSAM



Millets play a crucial role in subsistence farming in the Himalayas, cultivated by small-scale farmers. These grains, known as Nutri-cereals or dry-land cereals, are a vital source of nutrition for the region. Millets are also referred to as Smart Food due to their high calcium, zinc, and iron content, low glycemic index, and gluten-free nature. In Assam, notable millet varieties cultivated extensively include finger millet (ragi), proso millet, and foxtail millet.⁵⁰

Millets have become a crucial element in the food system of the Karbi community in Assam. Farmers in Assam have recently reintroduced millets into their diets, appreciating their unique qualities. India, being the world's top millet producer, cultivates and consumes eight different varieties, including the prevalent foxtail millet found in Northeast India. To promote the Year of Millets in 2023, the Assam government has initiated the Assam Millets Mission (AMM). This mission follows a value chain approach, covering production, post-harvest management, processing, value addition, and market linkages. The mission's goal is to showcase millet cultivation across an approximate area of 25,000 hectares, in State of Assam.

⁵⁰ E-Catalogue for Export of Millets And Value Added Products North Eastern States

07. AGRICULTURAL MARKETING

The main objective of the Assam State Agricultural Marketing Board is to streamline the activities of market committees for market and market area development. Moreover, the board is entrusted with the task of strategizing the growth of agricultural products and markets at the state level.⁵¹



⁵¹ Government Of Assam | Department of Agriculture & Horticulture Assam | State Agricultural Marketing Board

⁵² ibid

⁵³ ibid

⁵⁴ ibid

⁵⁵ ibid

⁵⁶ Agmarket | Directorate of Marketing & Inspection (DMI), Ministry of Agriculture and Farmers Welfare

⁵⁷ DATA OF REGISTERED FPOs | Ministry of Agriculture & Farmers Welfare

⁵⁸ Food Processing Industries | Ministry of Food Processing Industries

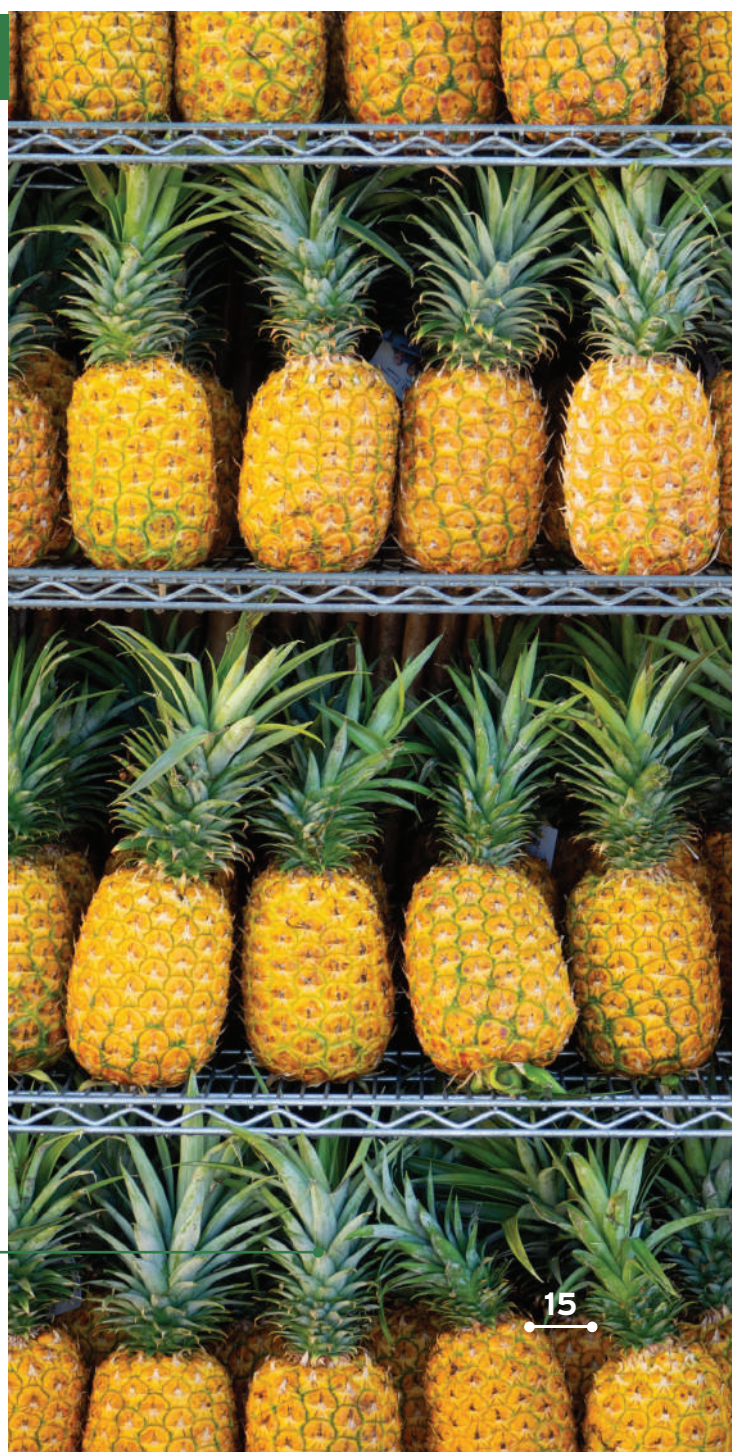
08. POTENTIAL OPPORTUNITIES

The state's economy relies heavily on agriculture and allied activities. There is significant potential for rapid growth in the food processing sector, driven by increasing demand for processed food. Over the next 5 years, efforts will be made to significantly reduce wastage of perishable items caused by inadequate processing infrastructure. Considering the State's profile and geographical conditions, the food processing industry emerges as a promising sector

PINEAPPLE PROCESSING

In the year 2021-22, Assam's fruit production was 2539.77 ('000 MT) of fruit and vegetable production was 3747.48⁵⁹ ('000 MT). In addition, the region is the second-largest producer of pineapple and the third-largest producer of ginger.

- **Processing of Pineapples** into products such as pulp, juice, beverages, jam, confectionery jelly, canned in syrup, fruit roll/leather, breaded, dehydrated candied, pickle, sauce, fruit fillings and powder. **The versatility of this fruit** can be used in processing various food products of commercial value, **such as canned, frozen, and dried pineapple. Pineapple's neutral colour and flavour** can be used as a basis for other fruit concentrates
- **Waste from Pineapples** can be converted into value-added products such as nanocrystals, bromelain enzymes, bioactive compounds, wine, and more



⁵⁹ Department of Agriculture & Farmers Welfare | Horticulture | State Level | Area and Production of Horticulture crops for 2021-22 (3rd Advance Estimates)



BEVERAGES/ASSAMESE TEA

Assam's Tea Industry Potential- Assam, as the world's largest tea-producing region, possesses considerable potential in the tea industry. It holds a Geographical Indication (GI) status, recognizing its unique origin and exceptional quality. Additionally, Assam serves as one of the largest hubs for CTC (cut, tear, curl) tea auctions worldwide. The region offers various opportunities for packing, processing, and manufacturing a wide range of tea-based products.

■ Diverse Range of Packed Beverages

Tea, as a packed beverage, offers a wide range of products to cater to different consumer preferences, like:

- **Tea Bags:** Convenient and easy-to-use for a quick cup of tea.
- **Instant Tea:** Provides a quick and flavourful beverage option.
- **Ready-to-Drink (RTD) Tea:** Available in various flavours, can be carbonated or non-carbonated, and includes bottled iced teas, cold brew coffee, and iced coffee blends.
- **Flavoured Tea:** Offers a variety of flavoured iced teas, such as peach, lemon, or raspberry.

■ Potential for Tea Blending and Packaging Plants -

Ample potential to set up tea blending and packaging plants in Assam, targeting a wide range of consumer tastes. This involves:

- Developing distinctive tea blends that appeal to different preferences.
- Elegantly packaging the teas for an attractive presentation.
- Targeting both domestic and foreign markets to expand reach and growth.

■ High-Quality Organic Tea Production

- With increased demand for specialty teas and herbal infusions, Assam has the potential to produce high-quality organic teas. Tea estates in Assam can tap into the niche market of organic and specialty teas by adopting sustainable and ecologically friendly practices.
- Assam's tea industry stands poised for growth, leveraging its GI status, diverse packed beverage offerings, tea blending and packaging potential, and the demand for high-quality organic teas.



READY TO EAT/READY TO COOK FRUITS AND VEGETABLES

Diverse range of horticultural produce, including fruits like Banana, Pineapple, papaya, Assam lemon, Orange, Guava, Litchi, Jackfruit, and Mango, along with vegetables, potatoes, tuber crops, and mushrooms. This presents an opportunity to focus on packed and ready-to-eat processing. Here are some key points to consider:

■ Processing Fruits

- Fruits can be processed into a range of products, such as jams, jellies, drinks, concentrated and dried fruits, and packed food items.
- Incorporating different fruits into processed foods provides a healthier alternative to ingredients with higher calorie density.

■ Utilizing Fruit By-Products

- By-products of fruits, particularly peels, pulp, and seeds, are rich in bioactive compounds.
- By-products can be utilized as value-added supplements for foods, offering benefits like dietary fiber and antioxidants.
- Bakery products can benefit from incorporating fruit by-products to enhance their nutritional profile.



09. GOVERNMENT OF INDIA SCHEMES FOR FOOD PROCESSING

9.1 SCHEMES UNDER MINISTRY OF FOOD PROCESSING INDUSTRIES⁶⁰

Support rendered under the scheme of Ministry of Food Processing Industries, Government of India are mentioned below:

9.1.1 PRADHAN MANTRI KISAN SAMPADA YOJANA (PMKSY)

Brief of Scheme

Given the nature and size of processing units operating in the food processing sector, investment requirements in basic infrastructure and common facilities are enormous. In order to attract private investment to the food processing sector, the Ministry of Food Processing Industries has taken various initiatives through schemes to develop infrastructure, expand processing capacity, and provide other supportive measures for the healthy growth of the industry. To streamline these efforts, all these schemes have been integrated under a comprehensive program called the Pradhan Mantri Kisan Sampada Yojana (PMKSY), which was launched on May 3rd, 2017.

PMKSY has the following component schemes.

- **Mega Food Parks**
- **Integrated Cold Chain and Value Addition Infrastructure**
- **Creation/Expansion of Food Processing & Preservation Capacities (Unit Scheme)**
- **Infrastructure for Agro-Processing Clusters**
- **Creation of Backward and Forward Linkages**
- **Food Safety and Quality Assurance Infrastructure**
- **Human Resources and Institutions**
- **Operation Greens**

PMKSY is a comprehensive package that aims to establish modern infrastructure with efficient supply chain management, spanning from the farm gate to the retail outlet. This initiative not only provides a significant boost to the growth of the food processing sector in the country but also contributes to better returns for farmers. It is a crucial step towards doubling farmers' income, generating substantial employment opportunities, particularly in rural areas. Additionally, it helps reduce agricultural produce wastage, promotes higher levels of processing, and enhances the export of processed foods.

⁶⁰ MoFPI | Annual Report (2022- 2023)

Initially approved with a budget of INR 6,000 Crore for the period 2016-20, aligned with the 14th Finance Commission cycle, PMKSY's timeline was subsequently extended to FY 2020-21. The Government has now decided to restructure the component schemes for implementation during the 15th Finance Commission, with a total outlay of INR 4,600 crore. This revision includes the provisions for committed liabilities of its component schemes such as Mega Food Park, Creation of Backward & Forward Linkages, and Human Resources and Institution - Skill Development, Promotion Activities and HACCP, as these components have been discontinued in the 15th FC cycle. The component scheme continued during the 15th Finance Commission Cycle for new projects are:

- **Integrated Cold Chain and Value Addition Infrastructure (ICC)**
- **Creation/Expansion of Food Processing & Preservation Capacities (CEFPPC)**
- **Infrastructure for Agro-Processing Clusters (APC)**
- **Food Safety and Quality Assurance Infrastructure (FTL)**
- **Human Resource and Institutions - R&D**
- **Operation Greens**

9.1.2

PRADHAN MANTRI FORMALISATION OF MICRO FOOD PROCESSING ENTERPRISES SCHEME (PMFME)

Introduction

In line with the Aatmanirbhar Bharat Abhiyan initiative, the Ministry of Food Processing Industries (MoFPI) has introduced a nationwide centrally sponsored scheme called the "PM Formalisation of Micro food processing Enterprises (PMFME) Scheme." This scheme aims to provide financial, technical, and business support to establish or upgrade micro food processing enterprises. It was approved by the Union Cabinet on 20th May 2020, and the scheme's guidelines were issued on 19th June 2020. The PMFME Scheme will be implemented over a period of five years, from 2020-21 to 2024-25, with a budget allocation of INR 10,000 Crore. The scheme aims to directly assist two lakh micro food processing units by providing credit-linked subsidies.

Objectives

Recognizing the significance of unorganized micro food processing enterprises and the obstacles they face; the Ministry of Food Processing Industries (MoFPI) is implementing the scheme by providing a comprehensive package of support and services. The objectives of the scheme are as under:

- **Increased access to credit by existing Micro Food Processing entrepreneurs, FPOs, Self Help Groups and Co-operatives.**
- **Integration with organized supply chain by strengthening branding & marketing**
- **Support for transition of existing 2,00,000 enterprises into formal framework.**
- **Increased access to common services like common processing facility, laboratories, storage, packaging, marketing, and incubation services.**
- **Strengthening of institutions, research, and training in the food processing sector.**
- **Increased access for the enterprises to professional and technical support.**

Provisions under the Scheme

Support for setting up / upgradation of Micro Food Processing Enterprises

- Support for setting up of new micro food processing enterprises and for upgradation of existing micro food processing enterprises are provided under the scheme.
- Organizations such as Individual entrepreneurs/ Proprietorship Firms/ Partnership Firms/ FPOs / NGOs / Cooperatives/ SHGs / Pvt. Ltd. Companies, who have established or propose to establish micro food processing unit, are eligible for financial assistance under the Scheme.
- Credit-linked capital subsidy @35% of the eligible project cost, maximum ceiling INR 10 lakhs per unit. Eligible project cost comprises cost of plant and machinery and technical civil work, but excludes cost of land/ rental or lease work shed. However, technical civil work should not be more than 30% of the eligible project cost.
- Beneficiary contribution - minimum of 10% of the project cost, balance loan from Bank.
- Applicant/Enterprise is eligible for bank loan under the Scheme, even if he has availed bank loan in other Subsidy Linked Schemes of Government. Applicant is also eligible for Interest Subvention and Top Up convergence with other relevant Government Sponsored Schemes. Lending Banks may consider sanctioning need based working capital limit to the beneficiaries, as admissible. However, no subsidy is provided on the working capital.

Support for setting up of common infrastructure Facilities

- Organisations such as Farmer Producer Organisations (FPOs)/ Farmer Producer companies (FPCs)/ Cooperatives/Self Help groups (SHGs) and its Federation/Govt. agencies, who have established or propose to establish food processing line along with common infrastructure/value chain/incubation centres are eligible for financial assistance under this component of the Scheme.
- Credit-linked capital subsidy @35% of the eligible project cost, maximum ceiling INR 3 Crore per unit would be provided. Eligible project cost comprises cost of plant and machinery and technical civil work but excludes cost of land/rental or lease work shed. However, technical civil work should not be more than 30% of the eligible project cost.
- Total eligible project cost should not exceed INR 10 Crore. There will be no pre condition of minimum turnover and experience of the applicant organization.
- The applicant organization's contribution should be minimum of 10% of the project cost with balance required funds being loan from Bank. Before applying on the portal, the applicant organization is also required to submit in-principal approval from the lending bank for the loan envisaged in the means of finance of the project.
- Assistance of INR 50,000/- per case is provided to the applicant organisation for preparation of Detailed project report.

Support to Self-Help Groups (SHGs)

- Seed capital @ INR 40,000/- per member of SHG for working capital and purchase of small tools
- Seed capital to be given as grant to the SHG Federations which should provide as a loan to the members of SHGs

Branding and Marketing Support

- Grant upto 50% for Branding and Marketing support to groups of FPOs/ SHGs/ Cooperatives or an SPV of micro food processing enterprises. It is to be provided for ODOP product at the State or regional level.
- Developing a common brand and packaging including standardization and common packaging for branding.
- Marketing tie-up with national and regional retail chains and state level institutions; and Quality control to ensure product quality meets required standards.
- Support to the said activity under provisions of marketing and branding could also bring competitive price realisation according to the targeted market and customer base.

Capacity Building

The capacity development aspect of the Scheme encompasses a wide range of initiatives aimed at empowering institutions, individuals, and groups. Training plays a pivotal role within this component. The Scheme aims to provide training to various stakeholders, including trainers such as Master Trainers and District Level Trainers, as well as District Resource Persons. Additionally, both existing and new food processing entrepreneurs, along with members of different groups such as Self-Help Groups (SHGs), Farmer Producer Organizations (FPOs), and Cooperatives, engaged in food processing activities, will receive training through the Food Processing Entrepreneurship Development Program. District Resource Persons (DRPs) are appointed by State Nodal Agencies (SNAs) to provide ongoing support to beneficiaries, including assistance with application filing, preparation of Detailed Project Reports (DPR), and guidance for formalization and operationalization processes.

9.1.3

PRODUCTION LINKED INCENTIVE SCHEME FOR FOOD PROCESSING INDUSTRY (PLISFPI)

The food processing industry in India includes manufacturing enterprises at all scales, ranging from micro to large industries. India possesses a competitive advantage due to its abundant resources, a sizable domestic market, and opportunities for promoting value-added products. To unlock the full potential of this sector, Indian companies need to enhance their competitive strength compared to global counterparts in terms of output scale, productivity, value addition, and their integration into the global value chain.

The Central Sector Scheme known as the Production Linked Incentive Scheme for Food Processing Industry (PLISFPI) aims to support the establishment of global food manufacturing champions in line with India's abundant natural resources. It also aims to promote Indian food product brands in international markets. The scheme has a budget allocation of INR 10,900 crore. The PLISFPI has been developed based on the Production Linked Incentive scheme of NITI Aayog under the "Aatma Nirbhar Bharat Abhiyaan for Enhancing India's Manufacturing Capabilities and Enhancing Exports." The scheme will be implemented over a period of six years, from 2021-22 to 2026-27.

The objectives of the scheme are to provide support to food manufacturing entities that meet the specified minimum sales criteria and are willing to make the required minimum investment for expanding their processing capacity. The scheme also aims to offer branding support for promoting Indian brands in international markets, with the intention of incentivizing the development of strong Indian food product brands. The scheme seeks to not only facilitate the establishment of global food manufacturing champions but also to enhance the presence and acceptance of selected Indian food product brands in international markets. In addition, the scheme aims to generate more employment opportunities in non-farm sectors, ensure better prices for agricultural produce, and increase income for farmers.

The first component of the Scheme focuses on providing incentives for the manufacturing of four primary food product segments, namely *Ready to Cook/ Ready to Eat (RTC/ RTE) foods, including products based on millets, processed fruits & vegetables, marine products, and mozzarella cheese.* The second component is dedicated to the production of innovative and organic products by Small and Medium Enterprises (SMEs) in these four segments. This includes products such as free-range eggs, poultry meat, and egg products. The third component is centered around offering support for branding and marketing activities overseas. This aims to encourage the development of strong Indian brands through in-store branding, renting of shelf space, and marketing initiatives.

An additional element pertaining to Millet Based Products was incorporated into the scheme. This inclusion aimed to promote the utilization of millets in Ready to Cook/Ready to Eat (RTC/RTE) products and provide incentives for their value addition and sale in both domestic and export markets under the PLI Scheme. The millet-based products with over 15% millet content by weight/volume are covered under this component.

Approved Applications under PLISFPI Scheme

| SCHEME | SEGMENT | NO. OF APPROVALS | TOTAL |
|------------|---------------------|------------------|-------|
| CATEGORY 1 | RTE/RTC | 12 | 56 |
| | Fruits & Vegetables | 29 | |
| | Marine | 11 | |
| | Mozzarella Cheese | 4 | |
| CATEGORY 2 | Innovative | 2 | 16 |
| | Organic | 14 | |
| CATEGORY 3 | B&M | 78 | 78 |
| PLISMBP | Large Entities | 8 | 30 |
| | MSME | 22 | |

Achievements of MoFPI schemes in Assam (as on date: 31.05.2023)⁶¹

PRADHAN MANTRI KISAN Sampada YOJANA (PMKSY) SCHEME

| SCHEME NAME | NO. OF PROJECTS APPROVED | TOTAL PROJECT COST (INR CR.) |
|---|--------------------------|------------------------------|
| MEGA FOOD PARK | 1 | 84.96 |
| COLD CHAIN | 2 | 38.28 |
| AGRO PROCESSING CLUSTERS | 7 | 156.43 |
| CEFPPC UNIT | 36 | 510.43 |
| CREATION OF BACK-WARD AND FORWARD LINKAGES (CBFL) | 1 | 12.43 |
| OPERATION GREEN | 1 | 28.54 |
| FOOD TESTING LABORATORY | 5 | 17.07 |

PRODUCTION LINKED INCENTIVE SCHEME FOR FOOD PROCESSING INDUSTRY (PLISFPI)

| SCHEME NAME | NO. OF PROJECTS APPROVED | TOTAL PROJECT COST (INR CR.) |
|---|--------------------------|------------------------------|
| FOOD PROCESSING FACTORIES UNDER PLI (production linked incentive) | 3 | 47.20 |

PRADHAN MANTRI FORMALIZATION OF MICRO FOOD PROCESSING ENTERPRISE SCHEME (PMFME)

| SCHEME NAME | NO. OF PROJECTS APPROVED |
|--|--------------------------|
| MICRO ENTERPRISES APPROVED UNDER FME (Formalisation of Micro Food Processing Enterprises Scheme) | 803 |
| INCUBATION CENTRES | 1 |

⁶¹ Ministry of Food Processing Industries

9.2 SCHEMES BY ALLIED MINISTRIES

Support rendered under various schemes of Allied Ministries of the Government of India is mentioned below:

1 **Mission for Integrated Development of Horticulture (MIDH) Scheme⁶²**

A centrally sponsored scheme under the Ministry of Agriculture and Farmers Welfare for the holistic growth of the horticulture sector covering fruits, vegetables, root & tuber crops, mushrooms, spices, flowers, aromatic plants, coconut, cashew, cocoa, and bamboo. Under MIDH, financial assistance is provided for following major interventions/activities:

- Setting up of nurseries, tissue culture units for production of quality seed and planting material;
- Area expansion i.e. Establishment of new orchards and gardens for fruits, vegetables, and flowers;
- Rejuvenation of unproductive, old, and senile orchards;
- Protected cultivation, i.e. poly-house, green-house, etc, to improve the productivity & grow off season high value vegetables and flowers;
- Organic farming and certification;
- Creation of water resources structures and watershed management;
- Bee-keeping for pollination;
- Horticulture Mechanization;
- Creation of Post Harvest Management and Marketing infrastructure.

2 **National Agriculture Infra Financing Facility (NAIFF) Scheme⁶³**

The National Agriculture Infra Financing Facility (NAIFF) is an online single window facility under the aegis of the Department of Agriculture & Farmers Welfare. The objective of the initiative is to provide impetus for development of farm gate & aggregation point, affordable and financially viable Post Harvest Management infrastructure, with a financing facility worth INR 1,00,000 Crores, by converging all schemes of central & State governments.

3 **Fisheries and Aquaculture Development Infrastructure Fund (FIDF)⁶⁴**

Government of India has created a dedicated fund, FIDF, implemented by the National Fisheries Development Board with a total fund outlay of INR 7522.48 crore (US\$ 940.31 Million). Under FIDF, creation of fisheries infrastructure facilities both in marine and inland fisheries sectors are augmented, including fishing harbours, fish landing centres, construction of ice plants, cold storage, transport facilities etc.

⁶² Mission for Integrated Development of Horticulture (MIDH)

⁶³ National Agriculture Infra Financing Facility

⁶⁴ Department Of Fisheries

4 Pradhan Mantri Matsya Sampada Yojana (PMMSY) Scheme⁶⁵

Pradhan Mantri Matsya Sampada Yojana (PMMSY) is a flagship scheme under the Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying to facilitate the Blue Revolution, promoting sustainable and accountable growth in the fisheries industry in India, an approximate investment of INR 20050 crores (US\$ 2.51 Billion) has been allocated. This investment aims to ensure comprehensive development of the fisheries sector, while also prioritizing the well-being of fishers. Supporting activities under PMMSY:

- Enhancement of Production and Productivity
- Infrastructure and Post-harvest management
- Fisheries management & Regulatory framework

5 Animal Husbandry Infrastructure Development Fund (AHIDF)⁶⁶

The Department of Animal Husbandry and Dairying is implementing the Animal Husbandry Infrastructure Development Fund (AHIDF) scheme with an outlay of INR 15000 crore (US\$ 1.88 Billion) under the Atma Nirbhar Bharat Abhiyan stimulus package. The objective of the scheme is to help increase milk and meat processing capacity and product diversification in the country.

6 Dairy Processing & Infrastructure Development Fund (DIDF)⁶⁷

DIDF is implemented with a total outlay of INR. 11,184 crores with National Bank for Agriculture and Rural Development (NABARD), comprising a corpus fund of INR 8004 crores have been set up for the creation of dairy processing infrastructure. The objective is to provide subsidized loans @6.5% to capital-stressed milk cooperatives for replacing their decades-old chilling and processing plants and addition of value-added product plants. The National Dairy Development Board (NDDB) is the implementing agency of the fund.

7 Agriculture Export Promotion Plan Scheme of APEDA (Agricultural and Processed food Products Export Development Authority)⁶⁸

The Agriculture Export Promotion Plan Scheme of APEDA supports the development and promotion of export of products like, Fruits, vegetables and their products, Meat and meat products, Poultry and poultry products, Dairy products, Confectionary, biscuits, and bakery products, etc. The scheme is designed to boost agricultural product exports, offers support to exporters by addressing challenges in the industry. It accomplishes this by understanding exporter difficulties, providing necessary assistance to overcome obstacles, and offering financial aid in areas such as export infrastructure development, quality enhancement, and market expansion. The scheme focuses on three broad components viz,

- Infrastructure Development
- Market Development
- Product Quality Development

8 Credit Linked Capital Subsidy Scheme (CLCSS) of Ministry of MSME (Ministry of Micro, Small and Medium Enterprises)⁶⁹

The objective of the CLCSS Scheme is to facilitate technology up-gradation in MSEs by providing interest subsidy on upgrade of plant & machinery with state-of-the-art technology. The scheme provides an upfront capital subsidy of 15% (on institutional finance of upto INR 1 crore availed by them) for induction of well-established and improved technology.

⁶⁵ Pradhan Mantri Matsya Sampada Yojana

⁶⁶ Animal Husbandry Infrastructure Development Fund (AHIDF) | Department of Animal Husbandry and Dairy

⁶⁷ Dairy processing & Infrastructure Development Fund (DIDF) | Department of Animal Husbandry and Dairy

⁶⁸ Agriculture And Processed Foods Export Promotion Scheme of APEDA for the 15th Finance Commission Cycle (2021-22 To 2025-26)

⁶⁹ Credit Linked Capital Subsidy Scheme for Technology Upgradation | Ministry of Micro, Small & Medium Enterprises Credit Linked Capital Subsidy Scheme

9

Venture Capital Assistance Scheme of SFAC (Small Farmers' Agri-Business Consortium)⁷⁰

Venture Capital Assistance is financial support in the form of an interest-free loan provided by SFAC (Small Farmers' Agri-Business Consortium) to qualifying projects to meet the shortfall in the capital requirement for the implementation of the project.

10

A Scheme for Promotion of Innovation, Rural Industry and Entrepreneurship (ASPIRE)⁷¹

ASPIRE- A scheme for promotion of Innovation, Rural Industry and Entrepreneurship, is being implemented by the Ministry of Micro, Small & Medium enterprises (MSME). The objective of the scheme is to set up a network of technology centres and to set up incubation centers to accelerate entrepreneurship and to promote startups for innovation in the agro-industry. The scheme also envisages programmes to facilitate Forward and Backward linkages with multiple value chain of manufacturing and service delivery will also be put in place

11

Pradhan Mantri Kaushal Vikas Yojana (PMKVY)⁷²

PMKVY is the flagship scheme of the Ministry of Skill Development & Entrepreneurship (MSDE), implemented by National Skill Development Corporation. The objective of the PMKVY scheme is to encourage and promote skill development in the country by providing free short-duration skill training and incentivizing this by providing monetary rewards to youth for skill certification. The overall idea was to boost the employability of youth corresponding to the industrial demand. The scheme can be leveraged for skill development in the food processing sector



⁷⁰ Small Farmers' Agri-Business Consortium | Venture Capital Assistance Scheme

⁷¹ A Scheme For Promotion Of Innovation, Rural Industries & Entrepreneurship (ASPIRE) | Ministry of Micro, Small & Medium Enterprises

⁷² Pradhan Mantri Koshal Vikas Yojana | Ministry of Skill Development & Entrepreneurship

9.3

GOVERNMENT OF INDIA INCENTIVES FOR THE FOOD PROCESSING SECTOR

Income tax incentive to the Food Processing sector⁷³

- 100% deduction on profits and gains for new Food Processing Units for the initial 5 assessment years and 25% (30% for companies) for the next 5 years.
- 100% deduction on the expenditure on capital invested for setting up and operating Cold Chain and Warehouse Storage facilities for agricultural produce.



Agro-Processing included in Priority Sector Lending

- Loans for food and agro-processing up to an aggregate sanction limit of INR 100 crore per borrower classified under agricultural activity for Priority Sector Lending (PSL) - RBI Master Directions dated 4th September, 2020.
- Loans to MSMEs engaged in "food and agro-processing" are eligible for classification under Priority Sector Lending (PSL).



100% FDI permitted

- 100% FDI permitted under automatic route in manufacturing of food products since 2016-17.
- 100% FDI allowed through Government-approval route for retail trading, including through e-commerce, in respect of food products manufactured/ produced in India since 2016-17.



Automatic Route

Under the Automatic Route, the non-resident investor or the Indian company does not require any approval from the Government of India for the investment.

Government Route

Under the Government Route, prior to investment, approval from the Government of India is required. Proposals for foreign direct investment under Government route, are considered by respective Administrative Ministry/ Department.

⁷³ "Key Reforms in the Food Processing Sector Since 2014-15" | MoFPI


10. STATE GOVERNMENT INITIATIVES AND SCHEMES

The Assam State Government has implemented numerous reforms to create a conducive and investor-friendly business environment for those interested in establishing their businesses within the state. The table below highlights some of the key initiatives undertaken by the government :

'Assam EODB (Ease of Doing Business) Portal'



The Single Window Clearance System Portal functions as a user-friendly platform for investors, providing a simplified process. It serves as a comprehensive hub of information regarding Government policies, incentive schemes, and existing infrastructure, catering to potential investors. The portal offers in-depth manuals to guide investors through the application process for their proposed projects. Additionally, it facilitates online processing and approval of investor applications by the relevant departments. The objective is to establish a centralized repository for sector-specific investments and Government policies while ensuring efficient and prompt services for investors.⁷⁴

 eodb.assam.gov.in

A. State Industrial Land Bank



A GIS system is created to showcase if there is land and infrastructure available for businesses. The system has information related to government owned factories and offices, and shows how much the land costs, how easy it is to get there, and what utilities (like electricity and water) are available.

 aidcltd.assam.gov.in/information-services/our-land-bank

B. Central Industrial Land Bank Portal

Industrial parks serving as a one-stop repository of all infrastructure-related information, such as, connectivity, infra, natural resources and terrain, plot-level information on vacant plots, and contact details.

 iis.ncog.gov.in/parks/login1

⁷⁴ Assam EODB Portal



Assam Industrial Land Management Policy, 2021

Aims to establish a structured and streamlined approach for the allocation of land. This land can be made available to the Corporation by the Government of Assam or directly purchased from landholders. It can also be acquired through the Land Acquisition Act, 1894, or any other means. The purpose of this policy is to support industrial development in Assam and other locations.⁷⁵



'Prime Minister's Development Initiative for North-East Region'

Aims to accelerate and comprehensively develop the North-East Region by funding infrastructure and social development projects according to the states' identified needs. It seeks to address gaps in different sectors without replacing existing Central and State Schemes.⁷⁶



PM-DevINE SCHEME

The scheme is aimed at rapid and holistic development of the North-East Region by funding infrastructure and social development projects, based on the felt needs of the States. It will strive to fill the gaps in various sectors and will not be a substitute for existing Central and State Schemes.⁷⁷



⁷⁵ Assam Industrial Land Management Policy, 2021 | Government of Assam

⁷⁶ MDONER | PM-DevINE

⁷⁷ Ministry of Development of North Eastern Region | PM-DevINE Scheme

Key incentives introduced by State Government of Assam for the industries including food processing industry under its major policies are summarized in the table below:

KEY INITIATIVES INDUSTRIAL AND INVESTMENT POLICY OF ASSAM, (AMENDMENT) 2023⁷⁸

Interest Subsidy

- 2% on the outstanding working capital loan for 5 years, subject to a ceiling of INR 50 lakh (Fifty lakhs), not exceeding 100% of investment in plant and machinery.

Power/Electricity Subsidy

- Manufacturing and specified service sector units can receive power subsidy reimbursement at a rate of INR 2.00 per unit consumed for 5 years from the start of commercial production. The maximum subsidy per annum is INR 50 lakh or 100% of the total investment in plant and machinery, whichever is lower.

VAT/CST/SGST/TAX Exemption/ Reimbursement

| CATEGORY | LIMITED TAX REIMBURSEMENT |
|-------------------|--|
| Micro Enterprises | 15 years subject to a maximum of 200% of Fixed Capital Investment and 250% for units in parks. |
| Small Enterprises | 15 years subject to a maximum of 150% of Fixed Capital Investment and 180% for units in parks. |
| Medium and Large | 15 years subject to a maximum of 150% Enterprises of Fixed capital Investment and 150% for units in parks. |

Technology Transfer and Quality Certification, ZED Certification:

- The fee payable for obtaining BIS/ISO/FSSAI/AGMARK/HALLMARK/SILK MARK/ZED Certification etc. and fee payable for technical knowhow/ Technology transfer from any recognized national /international research laboratories/ Technical Institutes/Universities, Institutions like CFTRI, CIPET, etc. by eligible unit, will be provided subsidy up to the extent of 75%, subject to a ceiling of INR1 crore per unit.

Incentives to Private Sector Infrastructure developer

- 30% subsidy, excluding the value of land, subject to a ceiling of INR 3 Crore to encourage the private investors in the creation of industrial infrastructure where the land area is not below 30 acres. The amount shall be released to the developer only after the completion of the project with 30% occupancy of the Industrial Park.

Customized Incentives for Mega Projects

- Minimum investment of INR 100 Crore and 200 numbers of permanent employees are eligible

⁷⁹ Industrial and Investment Policy of Assam (amendment) 2023 and INDUSTRIAL AND INVESTMENT POLICY OF ASSAM, 2019

11. REGULATORY FRAMEWORK: REGISTRATION/NOCS/ LICENSES

The table below represents the indicative information regarding Regulatory Mechanism available in the State of Assam.

FOR STARTING OPERATIONS

| S.No | Name of Service | Authority/ Agency/ Office/ Department officer granting approval |
|------|--|---|
| 1. | License for Cold Storage | Directorate Of Horticulture & Food Processing |
| 2. | Registration under FSSAI Act,2006, regulation 2011 | FSSAI, Health & Family Welfare Department, & Food Safety |
| 3. | License under FSSAI Act,2006, regulation 2011 | FSSAI, Health & Family Welfare Department, & Food Safety |
| 4. | License under Contract Labour Act, (Regulation and Abolition), 1970 | Labour Commissionerate |
| 5. | Registration under GST (Goods and Services Tax Rules, 2017) | Department of Commercial Tax |
| 6. | Consent to Operate under Air (Prevention and Control of Pollution) Act, 1981 | Environment and Forest - Pollution Control Board |
| 7. | Consolidated Consent & Authorization under Water Act, 1974, Air Act, 1981 & Authorization under The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 | Environment and Forest - Pollution Control Board |
| 8. | Application for Pre-Operational Fire NOC (National Building Code, 2005) | Fire & Emergency Services, Assam |

FOR SETTING UP OF BUSINESS

| S.No | Name of Service | Authority/ Agency/ Office/ Department officer granting approval |
|------|--|--|
| 9. | Land allotment in departmental Industrial Estates | Commissionerate of Industries and Commerce |
| 10. | Application for Land / Plot Allotment | Assam Industrial Development Corporation Limited |
| 11. | Application for new connection LT / HT line -nondomestic/industrial | State Electricity Board / Assam Power Distribution Company Limited |
| 12. | Application for Water Connection | Municipal Corporation Guwahati / Guwahati Metropolitan Drinking Water and Sewerage Board |
| 13. | Application for building plan approval | Guwahati Metropolitan Development Authority (GMDA), and Guwahati Municipal Corporation (GMC) |
| 14. | Application for Completion cum Occupancy Certificate | Directorate of Town and Country Planning and Guwahati Municipal Corporation (GMC) |
| 15. | Consent to Establish under Water (Prevention and Control of Pollution) Act, 1974 | Environment and Forest - Pollution Control Board |
| 16. | Consent to Establish under Air (Prevention and Control of Pollution) Act, 1981 | Environment and Forest - Pollution Control Board |
| 17. | Application for Pre-Establishment Fire NOC (National Building Code, 2005) | Fire & Emergency Services, Assam |
| 18. | Site Plan Approval under the Factories Act, 1948 | Labour & Employment Department |

12. MAJOR PLAYERS IN FOOD PROCESSING AND ALLIED SECTORS

BENEFICIARIES UNDER PLI SCHEME OF MOFPI, GOVERNMENT OF INDIA

| NAME OF THE FIRM | LOCATION |
|------------------------------------|----------|
| Bikaji Foods International Limited | Kamrup |
| Prataap Snacks Limited | Kamrup |

BENEFICIARIES UNDER MEGA FOOD PARK SCHEME, UNDER PMKSY SCHEME OF MOFPI, GOVERNMENT OF INDIA (OPERATIONAL UNITS)

| NAME OF THE FIRM | LOCATION |
|-------------------------------|----------|
| North East Mega Food Park Ltd | Nalbari |

BENEFICIARIES UNDER INTEGRATED COLD CHAIN AND VALUE ADDITION INFRASTRUCTURE SCHEME, UNDER PMKSY SCHEME OF MOFPI, GOVERNMENT OF INDIA (OPERATIONAL UNITS)

| NAME OF THE FIRM | LOCATION |
|------------------|----------|
| Global Entrade | Guwahati |
| E-appliances | Guwahati |

BENEFICIARIES UNDER CREATION / EXPANSION OF FOOD PROCESSING & PRESERVATION CAPACITIES (CEFPPC) SCHEME, UNDER PMKSY SCHEME OF MOFPI, GOVERNMENT OF INDIA (OPERATIONAL UNITS)

| NAME OF THE FIRM | LOCATION |
|-----------------------------------|-----------------|
| M/s Sona Gold Agrochem Pvt Ltd | Nalbari |
| M/s P L Industries Pvt. Ltd | Nalbari |
| M/s Grintech Foods India Pvt. Ltd | Nalbari |
| M/s Hygen Beverages Pvt Ltd | Nalbari |
| M/s Dhansiri Nutrient Foods LLP | Nalbari |
| M/s Sona Gold Agrochem Pvt Ltd | Nalbari |
| M/s Tirupati Foods | Guwahati |
| M/s Swastik Roller Flour Mill | Kamrup |
| M/s Subh Karan Food Park | Kamrup |
| M/s Shyam Foods | Kamrup |
| M/s Raja Food and Proteins | Sonitpur |
| M/s Imperial Delicacies | Sonitpur |
| M/s HAR HAR Foods & Beverages | Nalbari |

13. LIST OF FARMER PRODUCER ORGANISATIONS

A total of 185 Farmer Producer Organisations (FPO) are present in the State of Bihar and out of these the following indicative list in below represents FPOs with major crop/produce production of the State. The details of FPOs in the State are available at APEDA Farmer Connect FPO Directory

| NAME OF THE FIRM | ADDRESS / CONTACT | COMMODITY |
|--|--|---|
| Amlighat Banana Producer Company Limited | Sindhisar, Amlighat, Morigaon, Assam-782413 | Banana |
| Ampri Orange Producer Company Limited | Tetelia, P.O- Gandhinagar, Khetri, Kamrup, Assam-782403 | Orange, Honey, Joha Rice, Black Rice, Betel Nut, Mushroom |
| Brahmaputra Valley Honey & Agro Producer Company Limited | Charigaon, Ponchowoti, Bahona, Jorhat Assam-785101, | Vegetable, Honey |
| Sankar Azan Agro Producer Company Limited | M Azad Road, Borbazar, Nagaon, Assam-782001 | Potato |
| Satbhani Potato Producer Company Limited | Gingia, Biswanath, Sonitpur, Assam-784184 | Potato |
| Burwidwisa Agro Producer Company Limited | Ballimari, P.O-Panbari, Bijni, Chirang, Kokrajhar, Assam-783391 | Dairy, Vegetables |
| Greater Kalain Dairy Farmer Producer Organisation | Vill kurkuri P.O. Tikor Burunga, Khamberbazar, Kalain, District-Cachar, Assam-788817 | Milk |
| Ampri Langpe Farmers Producer Organisation | Nogaon, Guwahati, Assam, | Horticulture crops, Fish |
| Janoki Agro Producer Company Limited | Barpara, Boko Bazar, Boko, Kamrup, Assam-781123 | Pineapple |
| Junak Agro Producer Company Limited | Geruagaon, Khatowal, Nagaon, Assam-782125 | Vegetable |
| North Lakhimpur Farmers Producer Organization | K.B. Road, Ward No. 11, North Lakhimpur | Dairy |



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
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