

# FOOD PROCESSING

Towards Sustainable Growth Opportunities

**BIHAR**



# BIHAR





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## ACRONYMS

ABBREVIATION	DEFINITION
AHIDF	Animal Husbandry Infrastructure Development Fund
APC	Agro Processing Cluster
APEDA	Agricultural and Processed Food Products Export Development Authority
ASI	Annual Survey of Industry
ASPIRE	A Scheme for Promotion of Innovation, Rural Industry and Entrepreneurship
BAVAS	Bihar Agricultural Produce Value Addition System
BIADA	Bihar Industrial Area Development Authority
BSPCB	Bihar State Pollution Control Board
CAGR	Compound Annual Growth Rate
CEFPPC	Creation/Expansion of Food Processing & Preservation Capacities
CLCSS	Credit Linked Capital Subsidy Scheme
DIDF	Dairy Processing & Infrastructure Development Fund
DPIIT	Department for Promotion of Industry and Internal Trade
DPR	Detailed Project Report
EBC	Economically Backward Classes
e-NAM	electronic National Agriculture Market
EoDB	Ease of Doing Business
EOI	Expression of Interest
FAOSTAT	Food and Agriculture Organization Corporate Statistical Database
F&V	Fruits & Vegetables
FDI	Foreign Direct Investment
FIDF	Fisheries and Aquaculture Infrastructure Development Fund
FPC	Farmer Producer Company
FPOs	Farmer Producer Organizations
FSSAI	Food Safety and Standards Authority of India
GIS	Geographic Information System
GSDP	Gross State Domestic Product
GST	Goods and Services Tax
GVA	Gross Value Added
ha	Hectare
HACCP	Hazard Analysis Critical Control Point
ICD	Inland Container Depot
IQF	Individual Quick Freezing
Km	Kilometer
LEADS	Logistics Ease Across Different States



## ACRONYMS

ABBREVIATION	DEFINITION
LLP	Limited Liability Partnership
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
NDDB	National Dairy Development Board
NGO	Non-governmental organization
NOC	No Objection Certificate
PLI	Production Linked Incentive
PLISFPI	Production Linked Incentive Scheme for Food Processing Industry
PLISMBP	Production Linked Incentive scheme for Millet-Based Products
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
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
SIPB	State Investment Promotion Board
ST	Schedule Tribe
SWC	Single Window Clearance
USD	U.S.Dollar







## 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 Bihar:**

Bihar, known for its robust agricultural sector, has a Gross State Domestic Product (GSDP) of US\$82.28 billion. With 77% of Bihar's entire workforce involved in agricultural pursuits, significantly higher than the national average of 54.6%. Bihar's agricultural activities significantly contributes to its economic growth. The State's logistics services have also been recognized for their quality being the only State featured in the Fast Movers Category according to the DPIIT's LEADS 2022 report.

### **Promising Opportunities in Bihar:**

Bihar prioritizes the food processing sector in its development agenda. It ranks as the third-largest producer of mangoes and the largest producer of Makhana (foxnut) in India, accounting for over 85% of the country's foxnut production. With a rich agricultural heritage highlighted by seven food and allied geographical indicator tags, Bihar offers ample opportunities in the food processing sector, covering a wide range of products, from fruits and vegetables to ready-to-eat/ready-to-cook items. The State provides streamlined business establishment processes through its dedicated Bihar Single Window Clearance (SWC) and has received assistance/incentives from the Ministry of Food Processing Industries under its flagship schemes such as Pradhan Mantri - Kisan Sampada Yojana, Pradhan Mantri Formalisation Micro Food Processing Enterprises, and the Production Linked Incentive Scheme.



# 01. FOOD PROCESSING IN INDIA

The food processing sector is a uniquely placed amongst the manufacturing sector due to its backward linkages to the farming activities. A well-developed food processing sector with sufficiently higher level of processing helps in the 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.<sup>1</sup>

An abundant supply of raw materials, increase in aggregate demand for processed food products and incentives offered by the Government of India has impacted 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 Manufacturing and Agriculture sectors respectively in 2020-21 (at the 2011-12 prices).<sup>2</sup>



**India's food and beverages market grew at a CAGR of 6.92% between 2017 - 22.<sup>3</sup>**

**India's food and beverages market is forecasted to grow at a CAGR of 9.94% from 2022 - 27.<sup>4</sup>**

<sup>1</sup> Statistics | Food and Agriculture Organization of the United States

<sup>2</sup> MoFPI

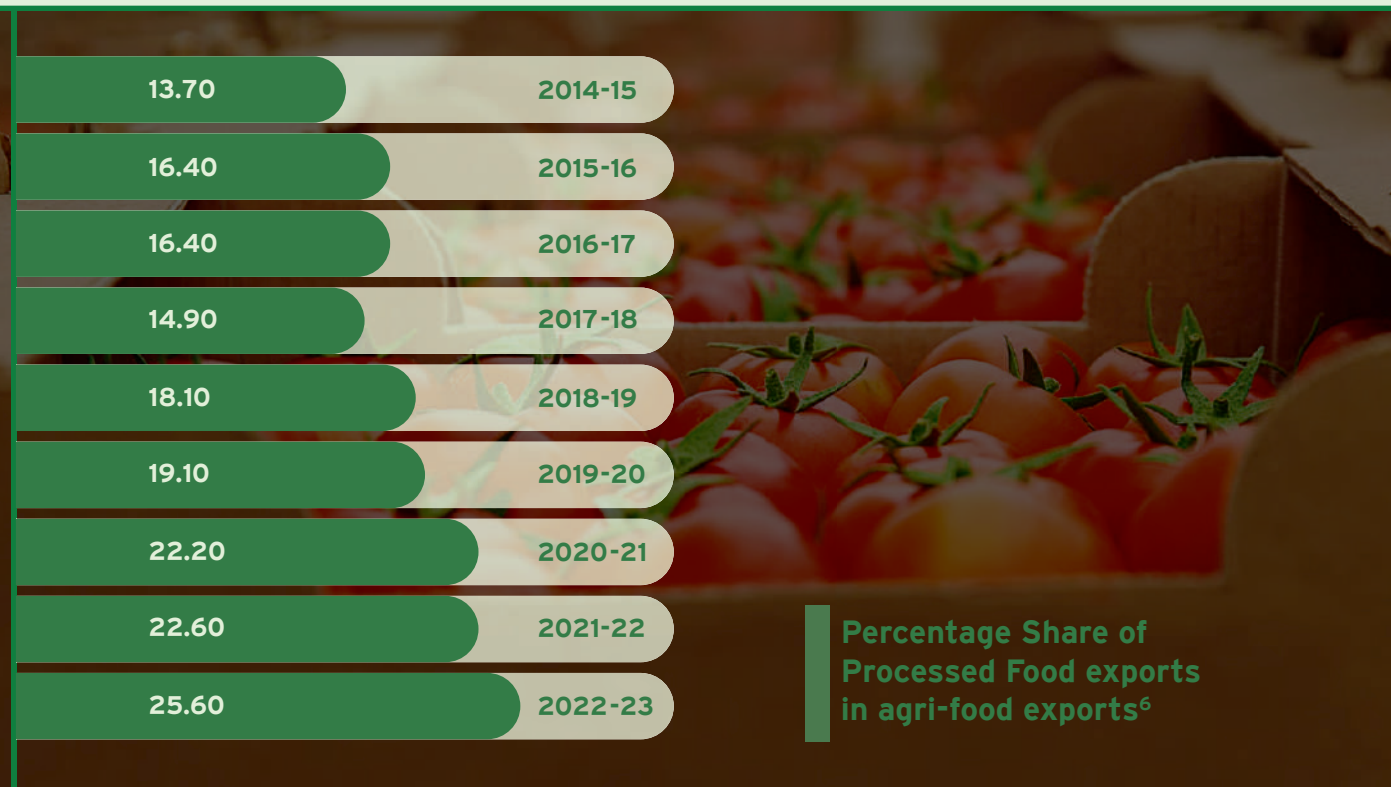
<sup>3</sup> Food and Beverages Global Market Briefing 2023 – The Business Research Company, December 2022

<sup>4</sup> 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 the processed-food products in overall agri-food products export has increased from 13.70 % in 2014-15 to 25.60 % in 2022-23



As per market estimates, 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, after China and Japan, in the said period<sup>7</sup>.

<sup>5</sup> MoFPI

<sup>6</sup> Ibid

<sup>7</sup> Food and Beverages Global Market Briefing 2023 – The Business Research Company, December 2022

<sup>8</sup> Ibid

## 02. OVERVIEW

Bihar, situated in eastern India, is a landlocked State located within the Temperate zone in a Subtropical region. Positioned between the humid West Bengal in the east and the sub-humid Uttar Pradesh in the west, Bihar enjoys a transitional status concerning climate, economy, and culture. It shares borders with Nepal in the north and Jharkhand in the south.

Bihar stands as one of the most agriculturally prosperous states in the country. Around 77%<sup>9</sup> of Bihar's entire workforce is involved in agricultural pursuits, a significantly higher proportion compared to the national average of 54.6%.<sup>10</sup>

State Capital

**Patna**

Geographic Area<sup>11</sup>

**94,163** sq. km

Population (Census 2011)<sup>12</sup>

**104.09** Million

Total Road Length (2019)<sup>13</sup>

**2,98,205** (km)

Industrial Area<sup>14</sup>

**74** Industrial areas

Rail length (2021)<sup>15</sup>

**7,663** (Route km)



<sup>9</sup> Agriculture Department|Government of Bihar

<sup>10</sup> Census 2011

<sup>11</sup> Government of Bihar | Bihar State Profile

<sup>12</sup> Government of Bihar | Demographics | Population

<sup>13</sup> RBI | Handbook of Statistics on Indian States

<sup>14</sup> BIADA | Bihar Industrial Area Development Authority

<sup>15</sup> DPIIT | LEADS 2022 Logistics Ease Across Different States



Gross State Domestic Product (GSDP)<sup>16</sup>

**USD 82.28 Billion**  
(2021-22)

Per Capita Net State Domestic Product<sup>17</sup>

**USD 598.05**  
(2021-22)

Airports

**Domestic Airports**  
**Darbhanga**

**International Airports**  
**Gaya & Patna**

Available Land<sup>18</sup>

**Mixed Category**  
**1,012.8 ha**

**Food Processing Category**  
**67.09 ha**

Agri Export Zone<sup>19</sup>

**1**  
(Litchi, Vegetables and Honey)

Infrastructure<sup>20</sup>

**2**  
Inland Container Depot (ICD)

**2**  
Air Cargo Terminals

**266**  
Railway Goods Sheds

**7.92**  
lakh MT Warehouse Capacity

**14.79**  
lakh MT Cold Storage Capacity

Installed power<sup>21</sup>

Thermal  
**7055.06 MW**

Hydro  
**110 MW**

Other Renewables  
**389.60 MW**

<sup>16</sup>RBI | Handbook of Statistics on Indian States | GROSS STATE DOMESTIC PRODUCT

<sup>17</sup>RBI | Handbook of Statistics on Indian States | Per Capita Net State Domestic Product

<sup>18</sup>India Industrial Land Bank | DPIIT

<sup>19</sup>APEDA | Agri Exchange | Agri Export Zone

<sup>20</sup>DPIIT | LEADS 2022: Logistics Ease Across Different States

<sup>21</sup>Central Electricity Authority | Installed Capacity Report | installed\_capacity.pdf (31.03.2023)

## 03. ADVANTAGE BIHAR



**Dairy, Sugar, and other Food processing, and Healthcare** are some of the fast-growing industries in the State.<sup>22</sup>



Graded as **Aspirer** for overall operating and regulatory environment as per DPIIT's LEADS 2022<sup>24</sup>



**Robust Single Window System** - Bihar Single Window Clearance (SWC)<sup>26</sup>



**Investors Support & Facilitation**, through Udyog Mitra, Udyog Samwad & State Investment Promotion Board (SIPB)<sup>28</sup>



Only State to feature in the **Fast Movers Category for Quality of Overall Logistics services**, as per DPIIT's LEADS 2022<sup>23</sup>



Figures amongst **Emerging Start-up Ecosystems**, as per Start-up Ranking Results, 2021<sup>25</sup>



Food Processing Sector is one of the **high-priority sectors** of the State<sup>27</sup>



Dedicated Agri Export Zone for **Litchi, Vegetables, and Honey**<sup>29</sup>

<sup>22</sup> APEIDA | E-Catalogue for Export of Millets and Value-Added Products Bihar

<sup>23</sup> DPIIT | LEADS 2022 Logistics Ease Across Different States

<sup>24</sup> Ibid

<sup>25</sup> Results of Ranking of States' Exercise 2021 on Support to Start-up Ecosystems declared | Ministry of Commerce & Industry

<sup>26</sup> Reasons to Invest in Bihar | Single Window Clearance Portal

<sup>27</sup> Invest Bihar | Department of Industries | Government of Bihar

<sup>28</sup> Ibid

<sup>29</sup> APEIDA | Agri Exchange | Agri Export Zone



Largest producer of **Litchi** in the country<sup>30</sup>



3rd Largest producer of **Mangoes** in the country<sup>31</sup>



6th largest producer of **Sugarcane** in the country<sup>32</sup>



Accounts for more than 85% of **Makhana** (Foxnut) produce in the country<sup>33</sup>



30Department of Agriculture & Farmers Welfare | Horticulture | State Level | Area and Production of Horticulture Crops For 2021-22 (3rd Advance Estimates)

31Department of Agriculture & Farmers Welfare | Horticulture | State Level | Area and Production of Horticulture crops for 2021-22 (3rd Advance Estimates)

32 RBI | Handbook of Statistics on Indian States | STATE-WISE PRODUCTION OF NON-FOODGRAINS - SUGARCANE

33 APEX | Agri Exchange | Market Intelligence Report: Makhana

## 04. LOCAL FOOD SYSTEM

### 4.1 INDIGENOUS PRODUCE

The State primarily cultivates food crops such as paddy, wheat, maize, and pulses. Additionally, by harnessing its fertile soil, abundant water resources, and diverse climate, Bihar has successfully grown profitable cash crops including sugarcane, potato, tobacco, oilseeds, onion, chillies, and jute. This thriving agricultural sector provides ample raw materials for the development of agro-based industries within the State.

The total area under cultivation in Bihar is approximately 72.97 lakh hectares, with a net sown area of about 50.77 lakh hectares (2019-2020)<sup>34</sup>. The State is divided into **three agro-climatic zones**<sup>35</sup> that favour the year-round cultivation of various agricultural crops, vegetables, and fruits.

STATE HAS RECEIVED 7 GEOGRAPHICAL INDICATOR (GI) TAGS FOR<sup>36</sup> -

- Bhagalpuri Zardalu
- Katarni Rice
- Magahi Paan
- Shahi Litchi of Bihar
- Silao Khaja
- Mithila Makhana
- Mircha Rice<sup>37</sup>

<sup>34</sup>RBI | Handbook of Statistics on Indian States | STATE-WISE PATTERN OF LAND USE

<sup>35</sup> AEPDA | E-CATALOGUE MILLETS PRODUCTION STATES

<sup>36</sup>Intellectual Property | Registration Details of Geographical Indications

<sup>37</sup> National Service Division | All India Radio | Ministry Of I&B | NSD And IT Division



## 4.2 KEY PRODUCTION HIGHLIGHTS

Largest producer of  
**Makhana** (foxnut) in India<sup>38</sup>



**4th** largest producer of  
**Okra (Lady Finger)** in India<sup>39</sup>

**6th** largest producer of  
**Sugarcane** in India<sup>40</sup>



**4th** largest producer of  
**Vegetables** in the country

with 178.56 Lakh tonnes of production in 2021-22 in a 9.04 lakh-hectare area and a total production of fruits of 49.87 lakh tonnes in an area of 3.64 lakh hectares (21-22)<sup>41</sup>

**6th** largest producer of  
**Wheat** in India<sup>42</sup>



**Valuable Cash Crops**

including sugarcane, potato, tobacco, oilseeds, onion, chillies, etc.

Additionally, the State exports Litchi, Basmati rice, and snow pea. Bihar exhibits strong competitiveness in the production of maize, rice, and fruits, such as, bananas, mango, and litchi. The State has a significant presence in the production of vegetables like onions, tomatoes, potatoes, and brinjal.

<sup>38</sup> AEPDA | E-CATALOGUE MILLETS PRODUCTION STATES

<sup>39</sup> Department of Agriculture & Farmers Welfare | Horticulture | State Level | Area and Production of Horticulture crops for 2021-22 (3rd Advance Estimates)

<sup>40</sup> RBI | Handbook of Statistics on Indian States | State-Wise Production of Sugarcane

<sup>41</sup> Department of Agriculture & Farmers Welfare | Horticulture | State Level | Area and Production of Horticulture crops for 2021-22 (3rd Advance Estimates)

<sup>42</sup> RBI | Handbook of Statistics on Indian States | State-Wise Production of Wheat

KEY PRODUCTION STATISTICS ARE PRESENTED BELOW<sup>43&44</sup>

**CROPS**

'000 MT

WHEAT

**6149.7**

PULSES

**376.8**

SUGARCANE

**12109.8**

RICE

**6747**

**FRUITS**

'000 MT

MANGO

**1549.97**

GUAVA

**434.41**

LITCHI

**308.06**

BANANA

**1968.21**

**LIVESTOCK & FISHERIES**

MILK

**11502** '000 tonnes

EGGS

**30132** lakh

MEAT

**397** '000 tonnes

FISH

**6.4** lakh tonnes

**VEGETABLES**

'000 tonnes

BEANS

**244.55**

BOTTLE GOURD

**655.55**

OKRA

**794.10**

CAULIFLOWER

**1031.47**

<sup>43</sup> Department of Agriculture & Farmers Welfare | Horticulture | State Level | Area and Production of Horticulture crops for 2021-22 (3rd Advance Estimates)

<sup>44</sup> RBI | RBI Handbook of Statistics on Indian States



## 05. PRODUCTION CLUSTERS <sup>45&46</sup>

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

### MAKHANA (Foxnut)

Araria, Darbhanga, Katihar,  
Madhubani, Saharsa, Supaul



### PULSES based products

Arwal, Jehanabad



### STRAWBERRY based products

Aurangabad



### RICE based products

Banka, Kaimur, Rohtas



### CHILLI based products

Begusarai



### JARDALU MANGO

Bhagalpur



### Indian traditional SWEETS & CONFECTIONARY

Bhojpur & Buxar



### SESAME based products

Gaya



<sup>45</sup> ONE DISTRICT ONE PRODUCT– MoFPI

<sup>46</sup> Source: Ministry of Food Processing Industries

**PAPAYA** based products

Gopalganj



**MINOR FOREST PRODUCE**

(Jackfruit etc.)

Jamui



**PINEAPPLE** based products

Kishanganj



**MANGO** based products

Madhepura



**POTATO** based products

Nalanda



**BETEL VINE**

Nawada



**BAKERY PRODUCTS**

Patna



**MAIZE** based products

Purnia







-----  
**TURMERIC**

Samastipur



-----  
**TOMATO** based products

Lakhisarai, Saran



-----  
**ONION** based products

Sheikhpura



-----  
**BANANA** based products

Khagaria, Sheohar



-----  
**LITCHI** based products

Sitamarhi, East Champaran, Muzaffarpur



-----  
**MENTHA** based products

Siwan



-----  
**HONEY**

Vaishali



-----  
**SUGARCANE** based products

West Champaran

## 06. MILLETS IN BIHAR



Millets play a vital role in subsistence farming in India, serving as a diverse group of small-seeded grasses commonly cultivated as cereal crops or grains for animal feed and human consumption worldwide. In Bihar, millets hold great significance as staple crops and have historically been a primary dietary source due to their rich array of essential nutrients.

Millets, known as Nutri-cereals or dry-land cereals, are also recognized as Smart Food due to their high calcium, zinc, and iron content, as well as their low glycaemic index. Furthermore, they are gluten-free. The millets currently grown in Bihar include Jowar, Bajra, Ragi, and various small millets. According to the Directorate of Economics & Statistics (DES), Bihar produced 7.75 thousand tonnes<sup>47</sup> of millets, encompassing Jowar, Bajra, Ragi, and small millets, in the 2021-22 fiscal year.

<sup>47</sup> APEDA | E-Catalogue for Export of Millets and Value-Added Products BIHAR



## 07. AGRICULTURAL MARKETING

The Bihar Government instituted the Bihar Agricultural Produce Value Addition System (BAVAS) division with the objective of strengthening the agricultural marketing system in the State. BAVAS strives to foster an ecosystem for agricultural marketing, enhance the infrastructure of agricultural marketing yards, implement agricultural reforms to drive substantial agricultural growth, and establish standardized grades and benchmarks for pricing.



<sup>48</sup> Bihar Agricultural Produce Value Addition System (BAVAS) | List of Market Yards

<sup>49</sup> Directorate of Marketing & Inspection (DMI), Ministry of Agriculture and Farmers Welfare | Agmarket | Market Profile

<sup>50</sup> Ministry of Agriculture & Farmers Welfare | DATA OF REGISTERED FPOs

<sup>51</sup> National Agriculture Market | e-NAM

## 08. POTENTIAL OPPORTUNITIES

With an overview of the State profile and geographical conditions, the potential sub-sector of food processing in the State can be Fruits & Vegetables, and Makhana/Foxnut under Ready-to-eat and Super Food Categories -

### FRUITS AND VEGETABLES

The State of Bihar offers favorable agricultural conditions for horticulture products, particularly Litchi, along with additional production of Guava, Banana, and various vegetables such as Potato, Cabbage, Cauliflower, and Okra. The renowned "Muzaffarpur Litchi" or "Shahi Litchi" brand holds a prestigious position in both the fresh and processed fruit segments. In this sector, potential opportunities include:

- **Litchi processing**, involving the production of pulp, juice, pulp slabs, jam, jelly, beverages, nectar, candies, and powder.
- **Banana processing**, encompassing the manufacturing of banana chips, pulp, powder, baby food, jam, jelly, banana flower vegetables, banana trunk vegetables, and pickles.
- Establishing **modern ripening chambers** for Banana to cater to premium domestic and international markets.
- **Fruits and vegetables (F&V) processing**, covering the production of dehydrated and frozen F&V items using techniques such as IQF/Blast Freezer/Spiral Freezer. Additionally, dehydration and powdering of vegetables like onions and mushrooms.
- **Processing local variety of mangoes** into pulp, juice, pulp slabs, jam, jelly, beverages, nectar, candies, and powder.







## MAKHANA (FOX NUT) PROCESSING

### READY-TO-EAT & SUPER FOOD

Bihar, being responsible for over 85% of India's makhana (foxnut) production, has a significant presence in this sector. Makhana, also known as foxnut, is a unique product in Bihar with the potential to be classified as a wellness food item. With proper marketing, it can command premium prices. Foxnut is highly nutritious and contains a considerable amount of protein, comparable to fish or mutton. Raw makhana seed powder is an important ingredient in baby food in many countries. Following can be potential opportunities for makhana in Bihar -

- **Ready-to-eat Makhana** offers convenience and easy preparation, requiring no cooking or additional steps. It is a low-calorie and high-fiber snack, making it an ideal choice for health-conscious individuals. Makhana is not only delicious but also believed to have various health benefits, aiding digestion, boosting the immune system, and supporting weight loss.
- **Makhana/Foxnut processing**, such as producing makhana pops (a **healthy alternative to popcorn**), flavoured or roasted makhana snacks, RTC kheer, baby food, makhana powder, ready-to-eat makhana in different flavours, confectioneries, breakfast mix, chips, kheer mix, and more. Establishing processing units can tap into the potential of this nutritious and versatile crop.

# 09. GOVERNMENT OF INDIA SCHEMES FOR FOOD PROCESSING

## 9.1 SCHEMES UNDER MINISTRY OF FOOD PROCESSING INDUSTRIES<sup>52</sup>

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.

<sup>52</sup> 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 (CEFPCC)**
- **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 Bihar (as on date: 31.05.2023)<sup>53</sup>

#### PRADHAN MANTRI KISAN SAMPADA YOJANA (PMKSY) SCHEME

SCHEME NAME	NO. OF PROJECTS APPROVED	TOTAL PROJECT COST (INR CR.)
MEGA FOOD PARK	2	300.7
COLD CHAIN	6	156.03
AGRO PROCESSING CLUSTERS	1	30.434
CEFPPC UNIT/FOOD PROCESSING UNIT	5	243.92

#### 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)	8	450.90

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

SCHEME NAME	NO. OF PROJECTS APPROVED
MICRO ENTERPRISES APPROVED UNDER FME	3426
INCUBATION CENTRES	2

<sup>53</sup> 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) Scheme<sup>54</sup>**

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) Scheme<sup>55</sup>**

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)<sup>56</sup>**

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.

<sup>54</sup> Mission for Integrated Development of Horticulture (MIDH)

<sup>55</sup> National Agriculture Infra Financing Facility

<sup>56</sup> Department Of Fisheries

## 4 Pradhan Mantri Matsya Sampada Yojana (PMMSY) Scheme<sup>57</sup>

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)<sup>58</sup>

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)<sup>59</sup>

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)<sup>60</sup>

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)<sup>61</sup>

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.

<sup>57</sup> Pradhan Mantri Matsya Sampada Yojana

<sup>58</sup> Animal Husbandry Infrastructure Development Fund (AHIDF) | Department of Animal Husbandry and Dairy

<sup>59</sup> Dairy processing & Infrastructure Development Fund (DIDF) | Department of Animal Husbandry and Dairy

<sup>60</sup> Agriculture And Processed Foods Export Promotion Scheme of APEDA for the 15th Finance Commission Cycle (2021-22 To 2025-26)

<sup>61</sup> Credit Linked Capital Subsidy Scheme for Technology Upgradation | Ministry of Micro, Small & Medium Enterprises Credit Linked Capital Subsidy Scheme



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### Venture Capital Assistance Scheme of SFAC (Small Farmers' Agri-Business Consortium)<sup>62</sup>

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.

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### A Scheme for Promotion of Innovation, Rural Industry and Entrepreneurship (ASPIRE)<sup>63</sup>

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.

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### Pradhan Mantri Kaushal Vikas Yojana (PMKVY)<sup>64</sup>

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.



<sup>62</sup> Small Farmers' Agri-Business Consortium | Venture Capital Assistance Scheme

<sup>63</sup> A Scheme For Promotion Of Innovation, Rural Industries & Entrepreneurship (ASPIRE) | Ministry of Micro, Small & Medium Enterprises

<sup>64</sup> 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 sector<sup>65</sup>

- 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.

<sup>65</sup> "Key Reforms in the Food Processing Sector Since 2014-15" | MoFPI



## 10. STATE GOVERNMENT INITIATIVES AND SCHEMES


The Bihar 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:

### 'Bihar Single Window Clearance portal'



One-stop portal for investors to digitally access all State-related business approvals and apply for them as per their business requirements. The portal is designed to assist investors in a transparent, time-bound, and hassle-free manner.

There is an online system to provide information regarding all approvals required by the industries to set up their businesses.

 [swc2.bihar.gov.in/investor/homepage](http://swc2.bihar.gov.in/investor/homepage)

### 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.

 [biadabihar.in](http://biadabihar.in)

### B. Central Industrial Land Bank Porta

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.<sup>66</sup>

 [iis.ncog.gov.in/parks/login1](http://iis.ncog.gov.in/parks/login1)

### Bihar Start-up Policy 2022-27



Government of Bihar launched the Bihar Start-up Policy in July 2022 by which the objective of the State is to, "emerge as one of the leading 'Start-up Hubs' in India by capitalizing on the capabilities of youth in Bihar".

 [startup.bihar.gov.in](http://startup.bihar.gov.in)

<sup>66</sup> Bihar Start-up Policy 2022

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

## KEY INITIATIVES BIHAR AGRI INVESTMENT PROMOTION POLICY, 2020

### Capital Subsidy

- @15% of the eligible project cost to individual investors/ partnership/companies/LLP and @25% to Farmer Producer Companies (FPCs) will be given to eligible investors
- Minimum approved eligible project cost of INR 0.25 crore and a maximum of INR 5 crore, to eligible units
- For expansion/modernization of existing projects (only if the existing capacity of the said project is increased by at least 25%)
- The upper limit to receive benefits from all the permissible sources shall be capped as per the following specifications:

Type / Category of Investor	Capping of incentives
Individual – General	50%
Individual – SC / ST / EBC	55%
Individual - Women, differently-abled persons, war widows, acid attack victims, and third-gender investors	52%
FPC (Farmer Producer Companies)	60%

### Land Conversion Fees

- 100% reimbursement of land conversion fees/ change in land use fees being levied for conversion of agricultural land.

### Interest Subvention

- 10% or the actual rate of interest on a term loan
- 12% for micro and small units
- Overall limit (priority sector) of 30% of the approved project cost.
- Limit for non-priority sector units shall be 15% of the approved project cost
- The upper limit of this subvention shall be INR 10 crore.

### Tax-related incentives

- 70% for the non-priority sector and 100% for the priority sector (project cost) for the Tax-related benefits (all new units)
- Additional 30% tax benefits given to all new Micro & Small Units
- All new units are entitled to avail 80% reimbursement against the admitted SGST/ Entry Tax deposited, for a period of 5 years from the date of commencement of commercial production
- All new units shall be eligible for 100% reimbursement of the electricity duty on power, from the date of commencement of commercial production for a period of 5 years subject to overall limit.



## 11. REGULATORY FRAMEWORK: REGISTRATION/NOCS/ LICENSES

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

### FOR STARTING OPERATIONS

S.No	Name of Service	Authority/ Agency/ Office/ Department officer granting approval
1.	Registration under FSSAI Act,2006, Regulation 2011	FSSAI, Government of India Health & Family Welfare Department, & Food Safety, Government of Bihar
2.	License under FSSAI Act,2006, regulation 2011	FSSAI, Government of India Health & Family Welfare Department, & Food Safety, Government of Bihar
3.	Completion of Building for completion cum occupancy permission	Urban Development & Housing Department
4.	Registration under The Shops and Establishment Act	Labour Resource Department
5.	Registration and grant of Factory License under The Factories Act, 1948	Department of Industries
6.	Registration under Bihar Professional Tax Rules	Commercial Taxes Department, Bihar
7.	Registration under Bihar Electricity Duty Act	Commercial Taxes Department
8.	Authorization for Municipal Solid Waste	Bihar State Pollution Control Board (BSPCB)
9.	Authorization under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016	Bihar State Pollution Control Board
10.	Trade License	Department of Industries
11.	Registration under the GST Act	Bihar Commercial Taxes Department

## FOR SETTING UP OF BUSINESS

S.No	Name of Service	Authority/ Agency/ Office/ Department officer granting approval
12.	Land allotment in departmental industrial estates	Bihar Industrial Area Development Authority (BIADA)
13.	Registration of Property	Registration, Excise and Prohibition Department
14.	Mutation of Land Ownership	Revenue & Land Reforms Department
15.	Approval of Land Development Plan and building plan	Urban Development & Housing Department
16.	Permission to construct, extend or take into use any building as a factory under the Factories Act, 1948	Labour Resource Department
17.	NOC for Fire Safety	Bihar Home Guard & Fire Service Directorate
18.	Consent to Establish under Water (Prevention and Control of Pollution) Act, 1974	Bihar State Pollution Control Board (BSPCB)
19.	Consent to Establish under Air (Prevention and Control of Pollution) Act, 1981	Bihar State Pollution Control Board (BSPCB)
20.	Approval and sanction of electricity Connection	Bihar State Power Holding Corporation Limited
21.	License for contractors under provision of The Contracts Labour (Regulation and Abolition) Act, 1970 Authorization under The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016	Labour Resources Department
22.	Supply of Municipal Water (for both Drinking and other purpose)	Urban Development & Housing Department
23.	Approval for water supply from river/public tank or irrigation canal for industrial purpose	Water Resource Department



## 12. MAJOR PLAYERS IN FOOD PROCESSING AND ALLIED SECTORS

### BENEFICIARIES UNDER PLI SCHEME OF MOFPI, GOVERNMENT OF INDIA

NAME OF THE FIRM	LOCATION
Britannia Industries Limited	Patna
ITC Limited	Munger
Varun Beverages Ltd.	Begusarai
Hindustan Unilever Limited	Patna
Bikaji Foods International Limited	Muzzafarpur & Patna
Anmol Industries Limited	Kishanganj

### 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
Ganga Dairy Ltd.	Begusarai
RK Agri Biz LLP	Muzzafarpur
ABZ Agro Pvt Ltd	Kishanganj

### 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 Natraja Nutrifeed Pvt Ltd	Khagaria

## 13. LIST OF FARMER PRODUCER ORGANISATIONS

A total of 356 Farmer Producer Organisations (FPO) are present in the State of Bihar and out of these the following indicative list 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
Aadarsh Farmer Producer Company Ltd	House No. 22, Vill- Kerma, P.O.- Kerma, Block- Kudhani, P.S.- Kudhani, Muzaffarpur - 844127	Wheat, Paddy, Maize, Marua
Kesharnath Farmer Producer Company Limited	Vill Sarottar Post Sarottar Ps Dumariya Ghat Distt East Champaran	Mango, Banana, Green Chilli, Wheat, Maize, Paddy
Aatalshree Agriculture Producer Company Limited	Pataura Maisthan	Banana, Wheat, Black Wheat, Sugarcane, and Vegetable
Sibhu Udyog Private Limited	Shivalapr, Po-Neura, Ps-Shahpur, Dist-Patna, Bihar	Wheat, Yellow, Onion, Mango, Makhana, Rice
Baba Someshwar Nath Samruddhi Agro Producer Company Limited	H/O Sudish Narayan Singh, Mura Areraj, Areraj - 845458, Bihar,	Sugarcane, Wheat, Paddy
Piprakothi Agro Producer Company Limited	NH 228, Vill-Pipradih, (Pipra Factory), Panchayat- Beer Chhapara, East Champaran, Bihar, 245429	Paddy, Wheat, Sugarcane, Masoor, Mustard etc
Bapudham Samruddhi Agro Producer Company Limited	Chota Bariyarpur, Motihari- 845416, Bihar	Wheat, Paddy
Jyoti Farmer Producer Company Ltd	H.No. 46, Village- Fanda, P.O.- Gorigama, P.S.- Karza, Block- Marwan, Muzarffarpur- 844120, Bihar	Wheat, Paddy, Maize, Tori
Muzaffarpur Litchi Farmers Producer Company Limited	Rupwara Post- Bishundatpur Block- Marwan	Fruits, Litchi
Rk Agri Biz Llp	Patahi, Muzaffarpur	Litchi, Mango, Guava, Pineapple
Pakridayal Aam Ewam Sabji Kisan Utpadak Producer Company Limited	C/O Shiv Nath Singh, At + Po - Barakagaon, Pakari Dayal, District - East Champaran, Bihar - 845428	Fruits, Mango







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Panchsheel Bhawan, New Delhi – 110049



eco-division@mofpi.gov.in



+91 11- 26491810





mofpi.gov.in  
worldfoodindia.gov.in


**Knowledge Partner – Ernst and Young**


## KEY CONTACT

### Invest Bihar, Department of Industries, Bihar


 2nd Floor, Indira Bhawan, RCS Path, Patna, Bihar- 800001


 +91-612 221 5431/18003456214


 [investbihar.co.in](http://investbihar.co.in)


 [prsecy.ind-bih@nic.in](mailto:prsecy.ind-bih@nic.in)

### Directorate Of Food Processing Bihar

 2nd floor, New Secretariat, Vikas Bhawan, Patna- 800015

 (0612)-2215089

 [state.bihar.gov.in/industries](http://state.bihar.gov.in/industries)

 [dir-fp.ind-bih@nic.in](mailto:dir-fp.ind-bih@nic.in)



**Ministry of Food Processing Industries,  
Government of India  
Panchsheel Bhawan,  
New Delhi - 110049,  
India**

**mofpi.gov.in**

@ministryoffoodprocessingin4060



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