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BIHAR

ECONOMIC SURVEY

2023-24



By Amarnath Sir

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Chapter - 01

Bihar Economy An Overview

18th – Bihar Economic Survey

Presented on – **12th Feb, 2024** (First 2006-07 By Late Sri Sushil Modi)

	2022-23	% growth over previous year
Nominal GSDP (Current)	7.5 lakh crore (7,51,396 crore)	15.5%
Real GSDP (Constant)	4.4 lakh crore (4,42,473 crore)	10.6%
NSDP (Current)	6.8 lakh crore (6,81,761 crore)	
NSDP (Constant)	3.9 lakh crore (3,94,114 crore)	
Nominal per Capita Income (Current)	Rs. 59,637	13.9%
Real per capita Income (Constant)	Rs. 35, 119	9.0%

	2022-23	% growth over previous year
GFCF (% of GSDP)	4.7%	
CPI Inflation	5.5% Rural – 5.5 (Sep – 2022 to Sep 2023) Urban – 5.6	

Table 1.9 : Relatively Prosperous and Impoverished Districts of Bihar

Criteria	Year	Most Prosperous Districts	Most Impoverished Districts
Per Capita GDDP at constant (2011-12) price (in Rs.)	2021-22	Patna (114541), Begusarai (46991), Munger (44176)	Sheohar (18980), Araria (19795), Sitamarhi (21448)
Consumption of Petrol per 1000 persons in a year (in MT)	2022-23	Patna (17.2), Muzaffarpur (11.1), Purnea (9.9)	Banka (4.7), Lakhisarai (5.0), Sheohar (5.4)
Consumption of Diesel per 1000 persons in a year (in MT)	2022-23	Patna (36.5), Sheikhpura (34.6), Aurangabad (28.7)	Sheohar (9.1), Siwan (11.6), Gopalganj (11.7)
Consumption of LPG per 1000 persons in a year (in MT)	2022-23	Patna (23.9), Begusarai (15.8), Gopalganj (15.2)	Araria (7.2), Banka (7.2), Kishanganj (7.8)

Source : Directorate of Economics and Statistics, GoB and Indian Oil Corporation, Patna Office

Sector of Bihar Economy

	% contribution in GVA	Major Components	% growth in 2022-23	% workforce employed
Primary Sector	19.97%	Crops : 9.9% Livestock : 6.6%	6.7%	47.8%
Secondary Sector	20.04%	Manufacturing : 8.7% Construction : 9.4%	6.8%	25.9%
Tertiary Sector	59.98%	Trade & Repair : 15.8% TSC & S for Broadcasting: 10.7%	13.0%	26.3%

Other Important Facts from Chapter – 1

1. As per National Commission on Population : Share of Bihar Population in total population of India has increased from 8.6 (Census 2011) to **9.4% (2023)**.
2. Population density has become **1388 (2023)** from 1106 (Census 2011)
3. Sex ratio – **953 (2023)** from 918 (Census 2011)
4. State Population 2023 – **130725310 (2023) (25.6%)** ↑
104099452 (Census 2011)
5. Per Capita Income of Patna, Begusarai, Munger, Muzzaffarpur, Bhagalpur and Rohtas is above average.
6. Per Capita GSDP at constant price of India - Rs. 98,374
7. Per Capita GSDP at current price of India - Rs. 1,72,276

Chapter - 02

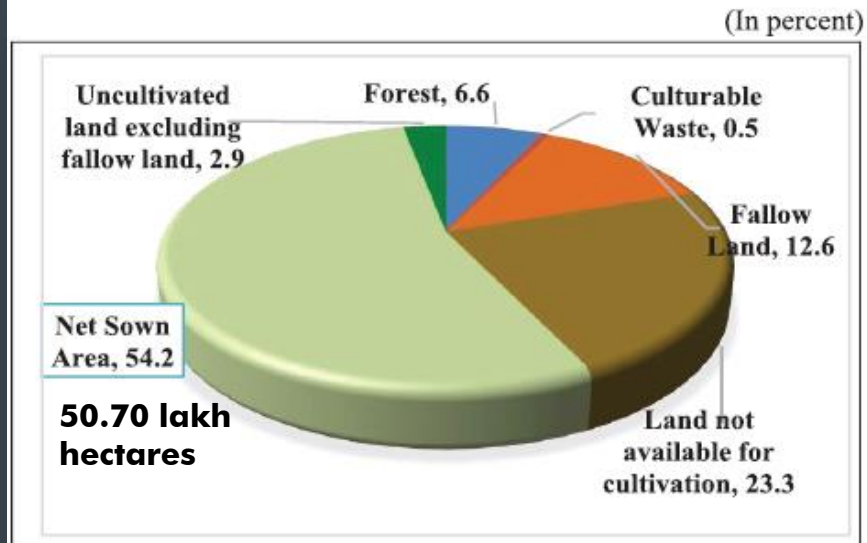
State Finances

	2022-23
GSDP	7,51,396 Crore (7.5 lakh Crore) Increment (20.1%)
Total Expenditure	2,31904 Crore (2.32 lakh Crore)
Revenue Expenditure	1,83,976 crore of which General Services : 30.5% Social Services : 48% Economic Services : 21.5%
Revenue Deficit	0.11 lakh crore (1.5% GSDP)
Capital Receipt	48, 325 crore
Capital Expenditure	0.47 lakh crore (6.4% of GSDP)
Revenue : Capital Expenditure	79.3 : 20.7
Fiscal Deficit	6.0% of GSDP (44,823 crore)
Primary Deficit	3.9% of GSDP
Debt Outstanding	39.0% of GSDP (2,93307 Crore)
Borrowing By State in 2022-23	48,284 Crore
Interest payment	2% of GSDP
State own Receipt	5.9% of GSDP (4.9% in previous year)

Chapter - 03

Agriculture and Allied Sectors

Chart 3.2 : Land Utilization Pattern in Bihar (2021-22)



Source : Directorate of Economics and Statistics, GoB

Net Sown Area : Highest : Bhojpur

Cropping Pattern of Bihar

Food grains (94.3%) :	Cereal Crops (87.9%)
Sugarcane	3.1%
Oilseeds	1.7%
Fiber Crops	0.9%

Cropping Intensity : 1.45

Highest Districts :

1. Jehanabad (1.93)
2. Sheohar (1.90)
3. Supaul (1.82)

GSVA During 2018-19 to 2022 – 23 - 20%

Irrigation –

Rohtas (Highest)

Sheohar (Lowest)

Total Cropped area – 37.38 lakh hectare

**Total Foodgrain production (2022-2023) – 197.36 lakh
tonnes**

Crop	Districts with highest production	Districts with highest productivity	Districts with lowest productivity
Rice	1. Rohtas 2. Aurangabad 3. Nalanda	Rohtas	Madhubani
Wheat	1. Rohtas 2. Kaimur 3. Bhojpur	Khagaria	Jamui
Maize	1. Araria 2. Katihar 3. Purnea	Araria	
Pulse	1. Patna (0.61 lakh tonnes) 2. Aurangabad 3. Nalanda	Begusarai	
Sugarcane	1. West Champaran 2. East Champaran 3. Gopalganj		

AGRICULTURE

- ❖ Bihar's resilience in overcoming adverse climatic conditions is evident in its impressive foodgrain production of 19736 thousand tonnes in 2022-23.
- ❖ The Western Kosi Canal scheme, a Rs. 803 crore project, targets creation of irrigation potential of 2,65,265 hectares in Madhubani and Darbhanga districts in the state. About Rs. 1444.04 lakh was spent on carrying out soil testing in 2022-23 to assess soil nutrient status and provide fertilizer recommendations to farmers.
- ❖ In 2022-23, Rs. 3965.67 lakh was allocated under the Jaivik Corridor Scheme to establish a cluster of organic farms along the Ganga river's banks. The impressive egg production (327.43 crores) and fish production (8.46 lakh tonnes) in 2022-23 indicate robust poultry and fisheries sectors in the state. With a budget of Rs. 292.38 lakh in 2023-24, the Jalashaya Matsyiki Vikas Yojana seeks to improve fish output in all reservoirs, stock fingerlings, and install cages.
- ❖ 5 Krishi Karman Awards to Bihar for Rice, Wheat and Maize.



Agri Roadmap 1 (2008 – 12)

Agri Roadmap 2 (2012 – 17)

Agri Roadmap 3 (2017 – 22)

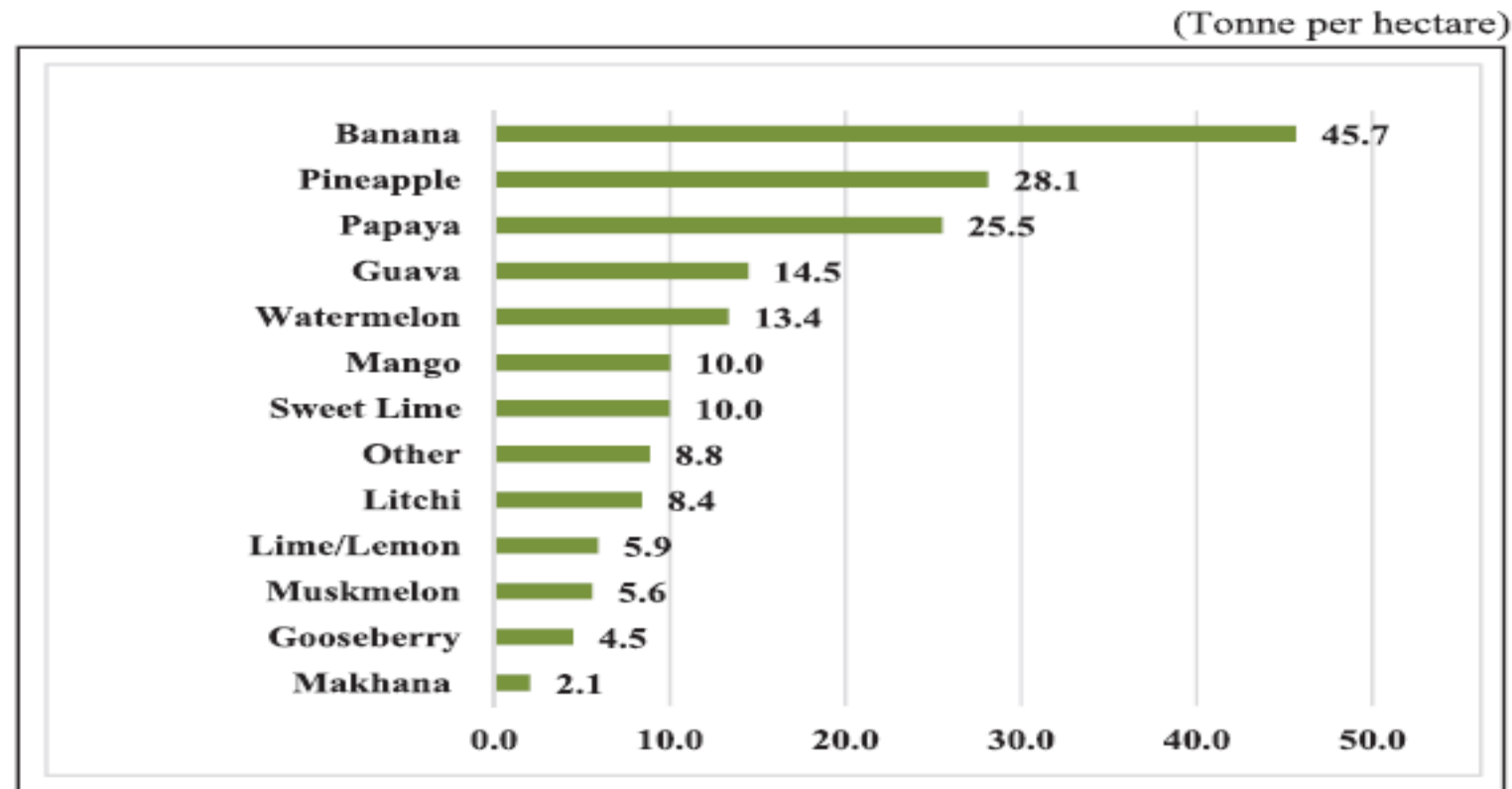
Most produced Fruits

1. Banana (20.04 lakh tonnes)	1. Madhubani 2. Vaishali 3. Muzzafarpur
2. Mango (highest area)	1. Darbhanga 2. East Champaran
3. Guava	1. Nalanda 2. Muzaffarpur 3. Rohtas
4. Litchi	

Most produced Vegetables

1. Potato	1. Patna 2. Nalanda 3. Samastipur
2. Onion	1. Nalanda 2. Vaishali 3. West Champaran
3. Brinjal	1. Nalanda 2. Patna 3. Vaishali

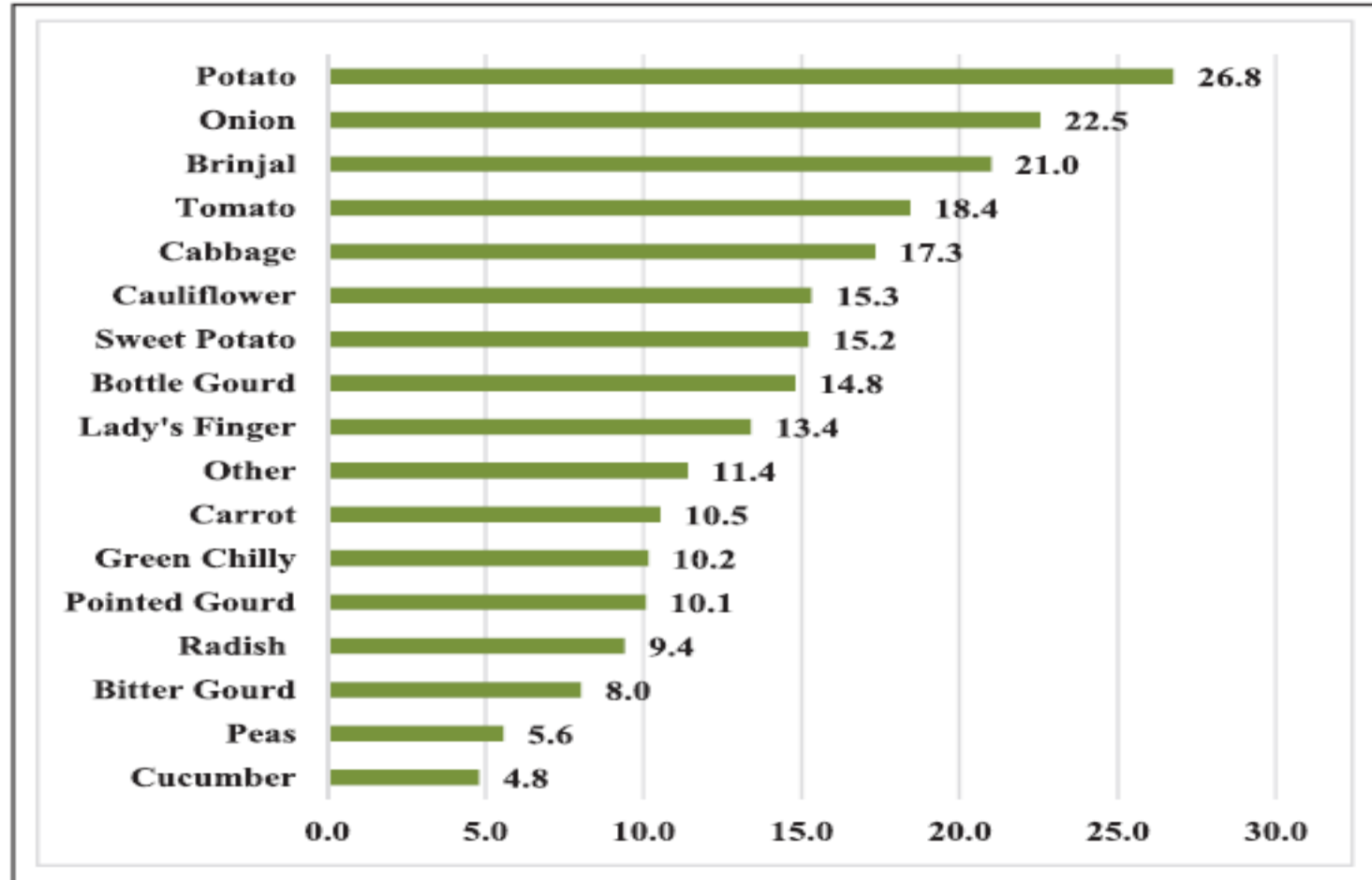
Chart 3.3 : Productivity of Fruits in Bihar (TE 2020-23)



Source : Directorate of Horticulture, GoB

Chart 3.4 : Productivity of Vegetables in Bihar (TE 2020-23)

(Tonne per hectare)



Source : Directorate of Horticulture, GoB

Animal Husbandry Fisheries & Dairy :

Schemes :

- ☐ Bihar Livestock Masterplan (2018 –19 to 2022 – 23)
- ☐ Agricultural Roadmap IV (2023-28)
- ☐ Livestock health protection program
- ☐ Goshala Development Scheme
- ☐ MM Samekit Chaur Vikas Yojana

1. Livestock Wealth	Poultry > Cattle > Goat > Buffalo
2. Milk Production	Cows (63.7%) > Buffalo (34.1%) > Goat (2.2%)
3. Fishery Production	Madhubani > Darbhanga > East Champaran

- ❖ Egg Production – 327.43 crore (eggs) 2022-23 from 176.33 crore eggs (2018-19)
- ❖ Total fish – 8.46 lakh tonnes (2022- 23) from 6.02 lakh tonnes (2018-19) 8.91% growth in last 5 years. ↑
- ❖ Highest fish Production is in **Madhubani**
- ❖ Distribution of fish seeds – **Muzaffarpur**

Agricultural Inputs

Schemes :

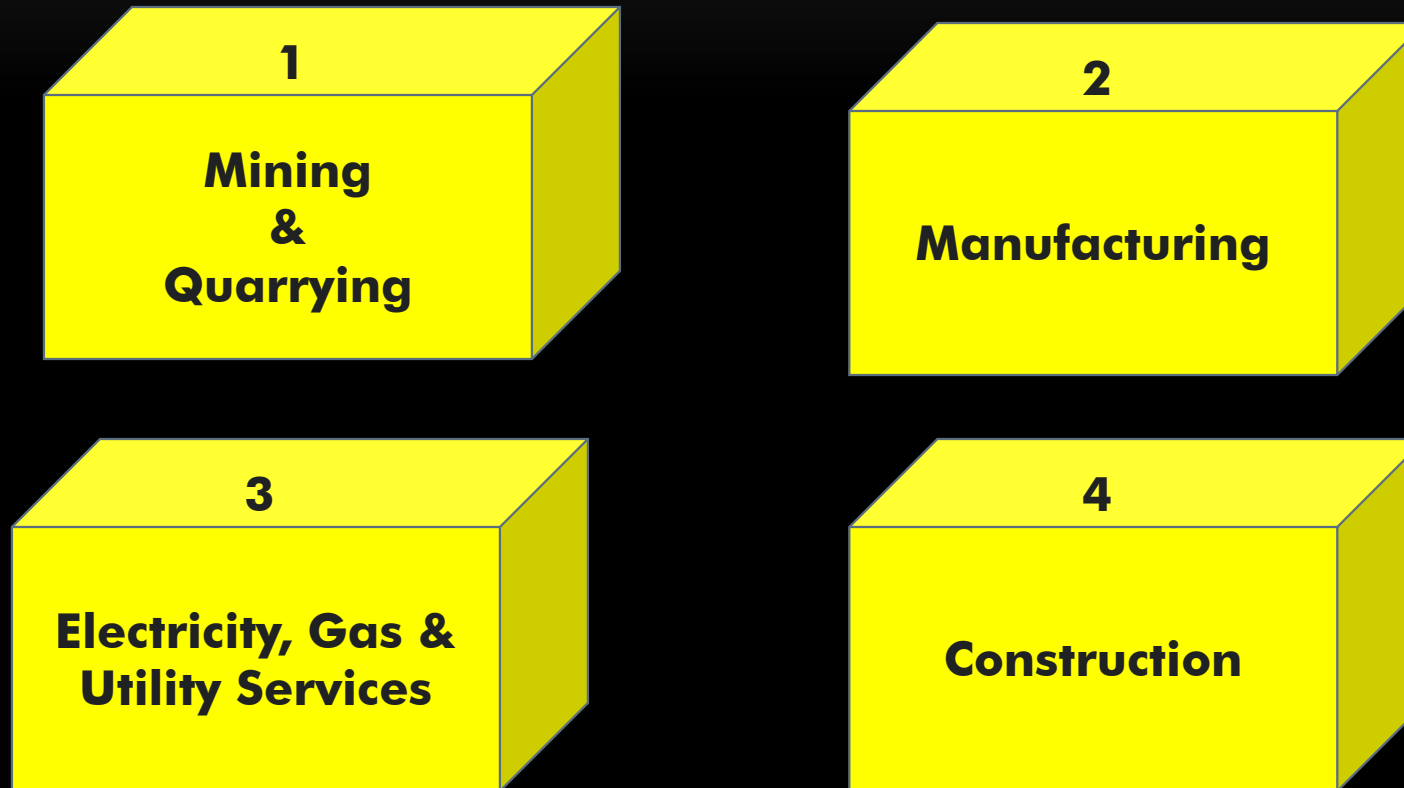
- ☐ Har Khet tak Sinchai ka pani : flagship scheme
- ☐ DDU GramJyoti Yojna (Separate feeders for agriculture)
- ☐ Meeting the unmet demands of DDUGJY
- ☐ Bihar Rajya Fasal Sahayata Yojna : for Agri Credit
- ☐ Jaivik Kheti Protsahan Yojna

1. Source of Irrigation	1. Tubewells (63.1%) 2. Canals (31%) 3. Tank (2.2%)
2. Gross Irrigated Area	Highest – Rohtas Lowest – Sheohar

- ❖ Urea was highest consumed fertiliser, accounting for 62.5% of total consumption.
- ❖ Fertiliser consumption increased from 201kg (2020-21) per Hectare to 207 kg per Hectare (2022-23)
 - 1. Purnea
 - 2. East Champaran
 - 3. Rohtas
- ❖ Energy in agriculture (2018-19) to 2022-23
 - Consumption increased from 726.71 MU to 3,780.94 MU

Chapter - 04

Enterprises Sector



4 Major Industries for Secondary Sector growth

Agencies to promote Secondary Sector Growth :

❑ **BIADA :**

- Implementation of Bihar Industrial Investment promotion Policy 2016
- Has created 9 clusters, 75 Industrial areas

❑ **MM SC/ST/EBC Udyami Yojana :**

- 50 : 50 grant – interest free loan scheme

Enterprises Sector

❑ Tourism Sector

- Budget Increased to **490 crore** (5.8 time increases in 5 yrs).
- Heritage Tourism : Brahmeshwar Temple Buxar, Punauradham Sitamarhi, Bibi Kamal's tomb Jehanabad, Thawe Temple Gopalganj, Sikh Heritage & Research Centre at Patna.
- In 2022, **254.17 lakh** tourist visited Bihar.

Enterprises Sector

❑ Sugar Industry :

- Operational Mill : 10, Average Crushing Days : 119
 - Crushed 2022 – 23 – 40% (hike) than 2021 – 22
 - Major by Products : Ethanol, Electricity etc.
- Bihar State Jaggery Industry Promotion Programme – 405 new Jaggery production units has to established.

Enterprises Sector

❑ Textile Industry:

- 14 districts have specialised textile products
- Supporting policies : BIIPP (textile & leather Policy 2022)
- Production of all 3 major silk Varieties (Mulberry, Tasar, Eri) have decreased

Enterprises Sector

Table 4.12 : Concentration of Handloom Products in Different Districts in Bihar

District	Product
Bhagalpur	Silk, Cotton, Furnishing cloth, Staple chadar, Silk (export quality), and Linen cloth
Banka	Tasar silk, Silk (export quality), and Cotton towel
Gaya	Cotton long cloth, Bed sheet, Towel
Nalanda	Cotton, Silk, Linen sari, Bawan Buti sari, Bed cover, Towel, Tasar, Mulberry Kurta cloth, Tasar, Munga shirting, Mercerised katya, Tasar kurta cloth
Nawada	Dress material of Tasar silk and Linen
Madhubani	Fine cotton long cloth, Dhoti, Shirting
Aurangabad, Rohtas	Towel, Woollen carpet, Woollen blanket
Kaimur	Woollen carpet, Banarasi sari
Patna, Siwan	Cotton cloth, Bed sheet, Chadar, Shirting, Lungi, Towel, Duster, Plain cloth
Purnea, Katihar	Jute bags, Jute-blended material, decorative material
West Champaran	Shawl, Muffler, Towel, Chadar

Source : Department of Industries, Handloom, GoB

Enterprises Sector

❑ Dairy Sector

- "Sudha" significant expansion into UP, Jharkhand.
- No. of Cooperative societies has increased to 28108 in (2022 – 23) (6% increase)
- In 2022 – 23, a total 1604 new milk cooperative were started.

Enterprises Sector

❑ Food Processing Sector

- Mega Food Park in Motipur of Muzaffarpur
- E- Radiation cum Packing House at Bihta, Patna.

Enterprises Sector

❑ Mining & Quarrying Sector

- Revenue 2729.73 crore in 2022 – 23.
- 10 stone mines in Aurangabad, Gaya, Sheikhpura.

Enterprises Sector

❑ Minerals Blocks in Bihar

1. Magnetic (Iron ore), **Jamui (One Block)**
2. Gluconite (Potash Mineral), **Rohtas (Five Block)**
Limestone, **Rohtas (One Block)**
3. Nickel, Chromium and Platinum, **Gaya, Aurangabad (One Block)**
4. Bauxite with Rare Earth Elements, **Munger (One Block)**
5. Magnetite (Iron Ore) with Vanadium and Titanium, **Gaya/Jehanabad (One Block)**

Major Policies

❑ Bihar IT Policy 2024

- Catalysing innovation, bolstering economy
- 30% subsidy for investing Rs 5 – 30 crore
- 50% subsidy on lease & rent
- 25% subsidy on electricity expenses
- Employment generation subsidy
- Tailor made packages for companies investing > 100 crore or directly employing > 1000 people in IT.

Major Policies

❑ Bihar Tourism Policy 2023 – 28 in December 2023

- Development of world class infrastructure.
- Theme based tourist destinations
- Efficient HR development in Sector.

Capital Subsidy	Investment upto	Maximum Subsidy
30%	10 crore	3 crore
25%	50 crore	10 crore
25%	50 crore+	25 crore

Chapter - 05

Labour, Employment & Skill

	Data Points	Remarks
LFPR : Labour Force Participants Rate	50.9%	Rural > Urban
WPR : Worker Population Ration	48.7%	Male > Female Rural > Urban
Dependency Ratio	67.1%	Rural > Urban
Unemployment Rate	4.3%	Urban > Rural
Workers Employment Structure	Self Employed > Casual > Regular Waged	Both Male & Female

Passport Applications : Siwan > Gopalganj > Patna

82% increase between 2021-22 and 2022-23

Chapter - 06

Physical Infrastructure

- ❑ Road Density : 3rd Highest in India
 1. Kerala
 2. West Bengal
 3. Bihar
- ❑ Automatic Number Plate Recognition – Camera based Challan System
Patna, Muzaffarpur, Nalanda, Bhagalpur
- ❑ 1.54 lakh crore spent on roads/bridges (2005 – 2024)
- ❑ Bihar's adoption of iRAD (Integrated Road Accident Database)
- ❑ Construction of Double Deck flyover : Patna, Chhapra (longest in India)
- ❑ MM Prakhanda Parivahan Yojana :
 - Rs 5 lakh per bus for connectivity in each block. (1.25 lakh vehicle registration in 2022)

❑ Bihar Clean Fuel Policy

- Commercial vehicle > 15 years old : Banned in Patna, Gaya, Muzaffarpur
- Subsidy for conversion of Diesel vehicles into Electric ones

❑ Road Accident

- Accident – 2 lakh (Death), 50k (Serious injury)
- NH – Patna > Madhubani > Muzaffarpur – lowest (Sheohar)
- SH – Patna > Darbhanga > Rohtas
- District – Patna > Gaya > Darbhanga

Chapter - 07

E- Governance

Tele Density	53.6% Per 100 Persons
Internet Density	37.72%
Gram panchayat Internet Onboarding	100%

Cyber Crime Helpline – 1930 (44 cyber police stations are functioning)

Awards – PM Excellence in Public Administration

Digital India Awards

CSI Nihilent – e – Governance Award

SIG (Ashwin & MEDHI Portal)

E- Governance

E-Shikshakosh	Bihar public school management system
SecLAN	High Speed, secure intranet with 60 km of Optical Fibre
Bihar One	Unified Service Delivery Portal
Sparrow	Performance Appraisal System
Panchayat Nischay Soft	Covers financial aspects of rural sanitation & water supply
NAFIS	Fingerprint identification system
e-Prisons System	Digitises prison information
e-Mulakat	Facilitates video conferencing with inmates
Bhu-Samadhaan	To monitor cases involving land disputes at police stations
MM Harit Krishi Sanyatra Yojana	For electronic hiring of equipment by farmers
MedhaSoft	For managing government scholarships to students
Bihar Aadhar Authentication Framework (BAAF)	Aadhar based authentication for services
Indravraja	Lightning alerts to users using real time IMD data

Chapter - 08

Energy Sector

- Per Capita energy Consumption : **329 kWh** (2021 – 22) (17.5% growth) from 134 kWh (2011 – 12)
- Total Energy Consumption (2022 – 23) – **6880MW**.
- Peak Demand reached – 6738 MW
- Renewable : Thermal Power Split – **69 : 31**
- Most prosperous Districts (energy consumption) : 1. Patna, 2. Gaya, 3. Muzaffarpur
- Least prosperous Districts (energy consumption) : 1. Sheohar, 2. Arwal
- Agricultural Consumption Subsidy : Rs 0.70 per unit
- Suvidha Mobile App : for consumer services
- Renewable Energy Initiatives:
 - Target : 35% power from Renewable Energy by 2025 – 26
 - Upcoming Solar power plants at Pirpainti, Kajra, Jamui and Banka
 - Floating Solar Power Plants at Supaul, Darbhanga
 - Green Field Thermal – at Chusa by Satluj Jal Vidyut Ltd.
 - Ultra Mega power project at Banka.

Chapter - 09

Rural Development

❖ Bihar PRIs

- Bihar PR Act. 2006 : 38 Zila Parishad, 533 Panchayat Samitis, 8057 Gram Panchayat
- 50% women reservation at all levels

❖ Jeevika

- BRPLS Act : has formed 10.47 lakh SHGs & Rs 34000 crore in bank credit.
- Initiatives : Didi ki raso, Bank Sakhis, Pashu Sakhis, etc.

❖ MGNREGA

- Households employed : 50.2 lakh
- Women employed : 56.4%
- 167 lakh job card issued in 2022 – 23

Rural Development

❖ Homestead Land Scheme

- 3 main components :
 1. Mahadalit Vikas Mission
 2. Grihsthal Yojana
 3. TribalSubplan
- **4753.75 acres** of land distributed to 95075 families.

Chapter - 10

Urban Development

1. Level of urbanisation : 11.3% (Census 2011)
2. Most Urbanised Districts : 1. Patna, 2. Munger.
Highest rate of Urbanisation in Begusarai (19.3%)
3. Most Urbanised Division :
 1. Patna
 2. Munger
4. Least Urbanised Division :
 1. Saran
5. Patna Metro Rail Project – 872.50 crore (Central Govt.), 2529.89 crore (State Govt.)
6. Municipal Finances – Self Generated Income - 13.884 lakh (2022 – 23)

Chapter - 11

Banking and Allied Sectors

1. Total No. of ATM as on March 31, 2023 – **7124**
2. Internet Banking user – Increased to 118.9 lakh from 72.8 lakh
3. Out of 7883 Bank Branches in Bihar (31st March, 2023)
 - Public Sector Banks – 3956
 - Regional Rural Banks – 2110
 - Private Banks – 1230 Branches
4. Annual Credit Plan Achievement : Total Credit 2,20,520 crore (37.1% increase)
5. Credit Deposit ratio – Improved from 53.0% to 55.6%
6. Non - performing Asset (NPA) decreased from 11.3% to 9.3%. Total NPA reduced from 23,870 crore to 22,994 crore.

Chapter - 12

Human Development

	Bihar	India
Population growth 2001 – 2011	25.4%	17.7%
Population density	1106	382
Sex Ratio	918	943
Total Fertility Rate	3.0 Rural 3.1 Urban 2.3	2.0
Child Sex Ratio	935	919
Life Expectancy at Birth	69.5 years	70.0 years
Crude Birth Rate	25.5	19.5
Infant Mortality Rate	27	28
Institutional Deliveries	76.2%	88.6%

	Bihar	India
Immunisation for Children	71.0%	76.1%
Best district : Health institution per 10 lakh population	1. Jamui 2. Sheohar	

Primary Education dropout – 0%

Student Teacher Target

NEP – 30 : 1

BR – 25 : 1

❑ Youth, Culture & Sports

- ❖ Separate Department of Sports established in 2024
- ❖ Sports University & Cricket Stadium at Rajgir, Nalanda

❑ Women Development

- ❖ Women taking household decisions : 87%
- ❖ Women having bank account they operate : 77%
- ❖ Women own house/land : 55.3%

❑ Social Welfare for Transgenders

- ❖ 2022 caste survey : 825 (Contrast – 2011 census reports which put the number at 40,827)
- ❖ Kinnar Mahotsav celebrated since 2016
- ❖ Bihar 1st state to do so ensuring inclusion and social welfare
- ❖ Bihar state Transgender Board established

Chapter - 13

Child Development

	Bihar	Districts
Wasting (W for H)	22.9% (Increase)	Highest : Arwal Lowest : West Champaran
Stunting (H for A)	42.9% (decrease)	Highest : Sitamarhi Lowest : Gopalganj
Underweight (W for A)	41.0% (decrease)	Highest : Arwal Lowest : Gopalganj
Anaemic	69.4% (increase)	Highest : Jamui Lowest : Gopalganj

- ❖ 16% under the age group 0 – 6 years
- ❖ 42% under the age group 0 – 18 years
- ❖ 12% of India's child age group are in Bihar

Child Development

❑ Schemes :

- Mission Vatsalya – aims child protection & strengthening juvenile justice
- Parvarish – family based care for Orphans
- **Child helpline – 1098**
- Bal Sansad - promoting leadership
- Gullak Bachha Bank - for financial literacy
- e-LOTS : digital learning sources

Chapter - 14

Environment, Climate Change & Disaster Management

Annual Rainfall	849.1 mm (LTA of 1009.4mm)
South West Monsoon Contribution	81.7%
Highest Rainfall (2022 – 23)	1. Kishanganj (2155 mm), 2. Araria, 3. Purnea
Lowest Rainfall (2022 – 23)	1. Jehanabad, 2. Buxar, 3. Arwal
Forest Area	9722 sq km (10.32% increment)
Total Green Area	13,896 sq km (14.75%)
Thunderstorm Impact	1. Gaya, 2. Bhojpur
Forest Types	Open Forest (51%) > Moderately Dense (44.5%) > Very Dense Forest (4.5%)
Prone to forest fire	64% of forests
Carbon Stock	5.69 crore tonnes

Environment, Climate Change & Disaster Management

❑ Schemes :

- Net Zero Carbon Emission by 2070
- Green Budgeting since 2019
- Air Quality Monitoring Stations at 35 CAAQMS
- 1st state to monitor air quality at block level with (IIT –K)
- Inter state river linking projects
 - Kosi – Mechi
 - Gandak – Noon – Bayan – Ganga
 - Gandak – Akali Nala – Ganga

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