

Assam

NOVEMBER
2011

THE LAND OF RED RIVERS AND BLUE HILLS



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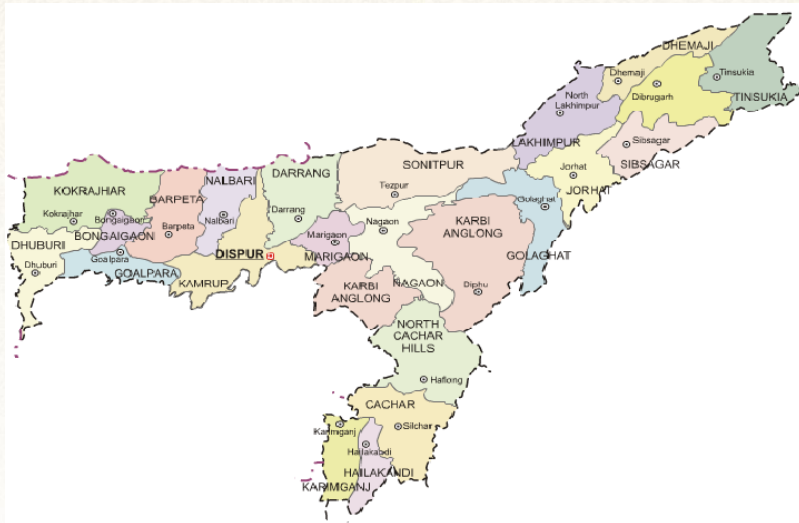
Contents

- ❖ Assam – An Introduction
- ❖ Infrastructure Status
- ❖ Business Opportunities
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- ❖ State Acts & Policies



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Assam Factfile



Source: Maps of India

- Assam is located in the Northeast of India. The state shares its borders with Arunachal Pradesh, Nagaland, Manipur, Mizoram, Meghalaya, Tripura and West Bengal. The state shares international borders with Bangladesh and the Kingdom of Bhutan.
- Assamese and Bodo are the official languages. Bengali holds the official-language status in the three districts of the Barak Valley and is the second most spoken language of the state. Assam also has schools with English as the medium of education.

- The state is a gateway to Northeast India. Guwahati is the largest city of the state.
- Assam is known for its tea, petroleum resources, muga silk and bio-diversity.
- Assam is becoming an increasingly popular destination for wild-life tourism. Kaziranga National Park and Manas National Park are registered as world-heritage sites.

Parameters	Assam
Capital	Dispur
Geographical area (sq km)	78,438
Administrative districts (No)	27
Population density (persons per sq km)*	397
Total population (million)*	31.1
Male population (million)*	15.9
Female population (million)*	15.2
Sex ratio (females per 1,000 males)*	954
Literacy rate (%)*	73.2

Sources: Government of Assam Website - www.assam.gov.in,
*Provisional Data – Census 2011

Assam in Figures ... (1/2)

Parameter	Assam	All-States	Source
Economy			
GSDP as a percentage of all states' GSDP	1.6	100	CMIE, as of 2009-10, current prices
Average GSDP growth rate (%)*	11.6	15.5	CMIE, 2004-05 to 2009-10, current prices
Per capita GSDP (US\$)	649.3	1,302.4	CMIE, as of 2009-10, current prices
Physical Infrastructure			
Installed power capacity (MW)	978.8	173,626.4	Central Electricity Authority, as of March 2011
GSM cellular subscribers (No)	10,719,295	618,284,322	Cellular Operators Association of India, as of September 2011
Broadband subscribers (No)	67,098	10,737,850	Ministry of Communications & Information Technology, as of November 2010
National Highway length (km)	2,836	70,934	Ministry of Road Transport & Highways, Annual Report 2010-11
Airports (No)	6	133	Airport Authority of India

* Calculated in Indian Rupee Terms

Assam in Figures ... (2/2)

Parameter	Assam	All-States	Source
Social Indicators			
Literacy rate (%)	73.2	74.0	Provisional Data – Census 2011
Birth rate (per 1,000 population)	23.6	22.5	SRS Bulletin, 2009
Investments			
FDI equity inflows (US\$ billion)	0.07*	132.9	Department of Industrial Policy & Promotion, April 2000 to April 2011
Outstanding investments (US\$ billion)	42.2	7449.3	CMIE (2009-10)
Industrial Infrastructure			
PPP projects (No)	7	808	www.pppindiaatabase.com

*FDI inflows for RBI's (Reserve Bank of India's) Guwahati region, which includes Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland and Tripura
PPP: Public Private Partnership, SRS: Sample Registration System.

Advantage Assam ... (1/2)

Largest Economy In The Northeast

Assam is the largest economy of the Northeast region. It is the most industrially advanced state in the Northeast India, because of its comparative proximity to the rest of the country and availability of infrastructure.

Country's Gateway To The Northeast

Assam is India's gateway to the Northeast as well as to the neighbouring countries of Myanmar, China, Bangladesh, Nepal and Bhutan, providing a vital link for trade with the Southeast Asian countries.

Endowed With Natural Resources

Assam is rich in natural resources such as natural oil and gas, rubber, tea, and minerals such as granite, limestone and kaolin. Assam Tea is a well recognised product, the world over.

Advantage Assam ... (2/2)

Sectors With Investment Potential

The state is rich in water resources. Other potential areas of investment include power and energy, mineral-based industries, tourism and crude oil refining.

Availability Of Skilled Workforce

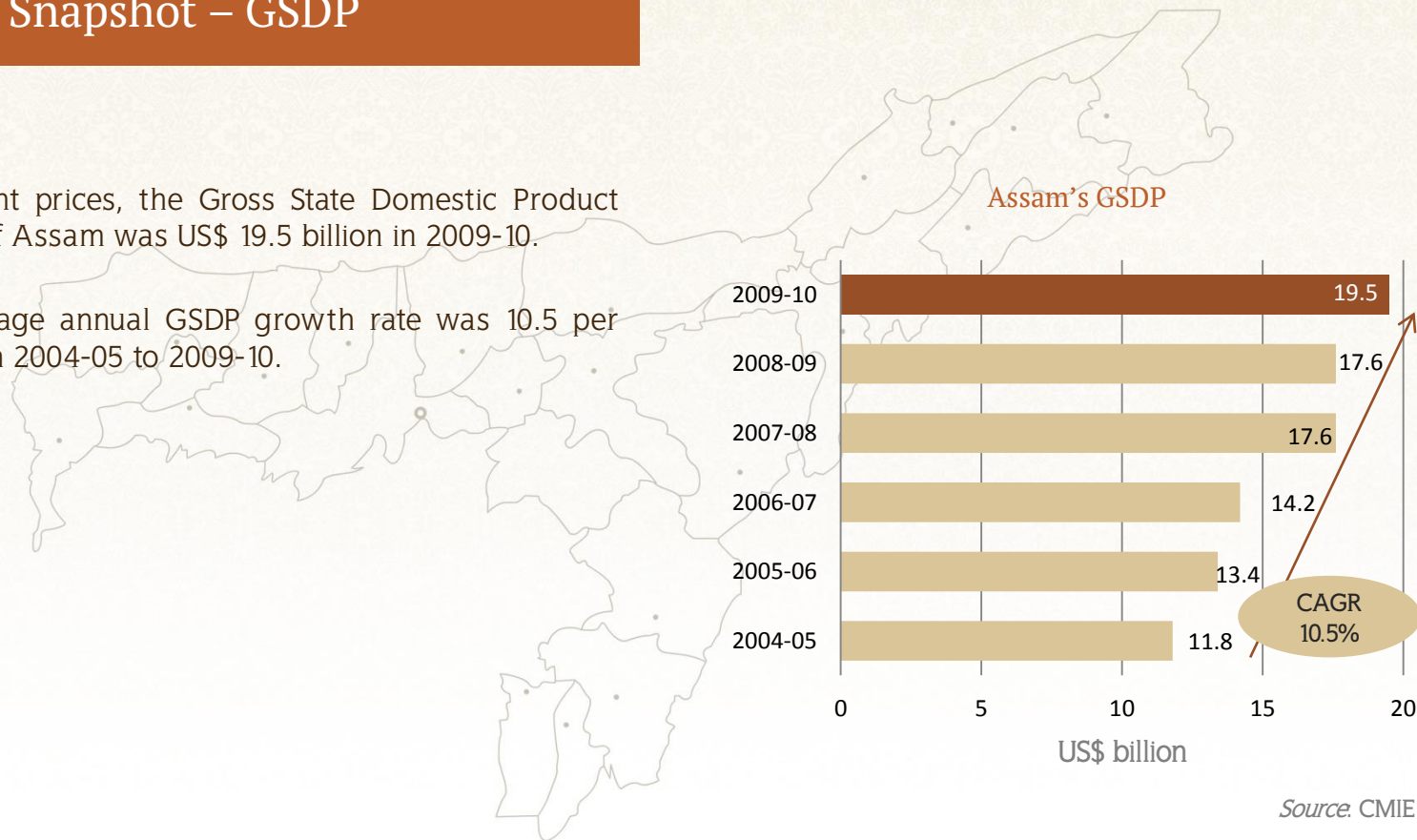
Assam has numerous educational institutions. A substantial portion of the city population, in the age group of 15 to 25 years, is computer literate.

Favoured Tourist Destination

With its pleasant climate and scenic landscape, Assam is a popular tourist destination. The state offers visitors a variety of choices from world heritage (leisure) sites to temples and monuments.

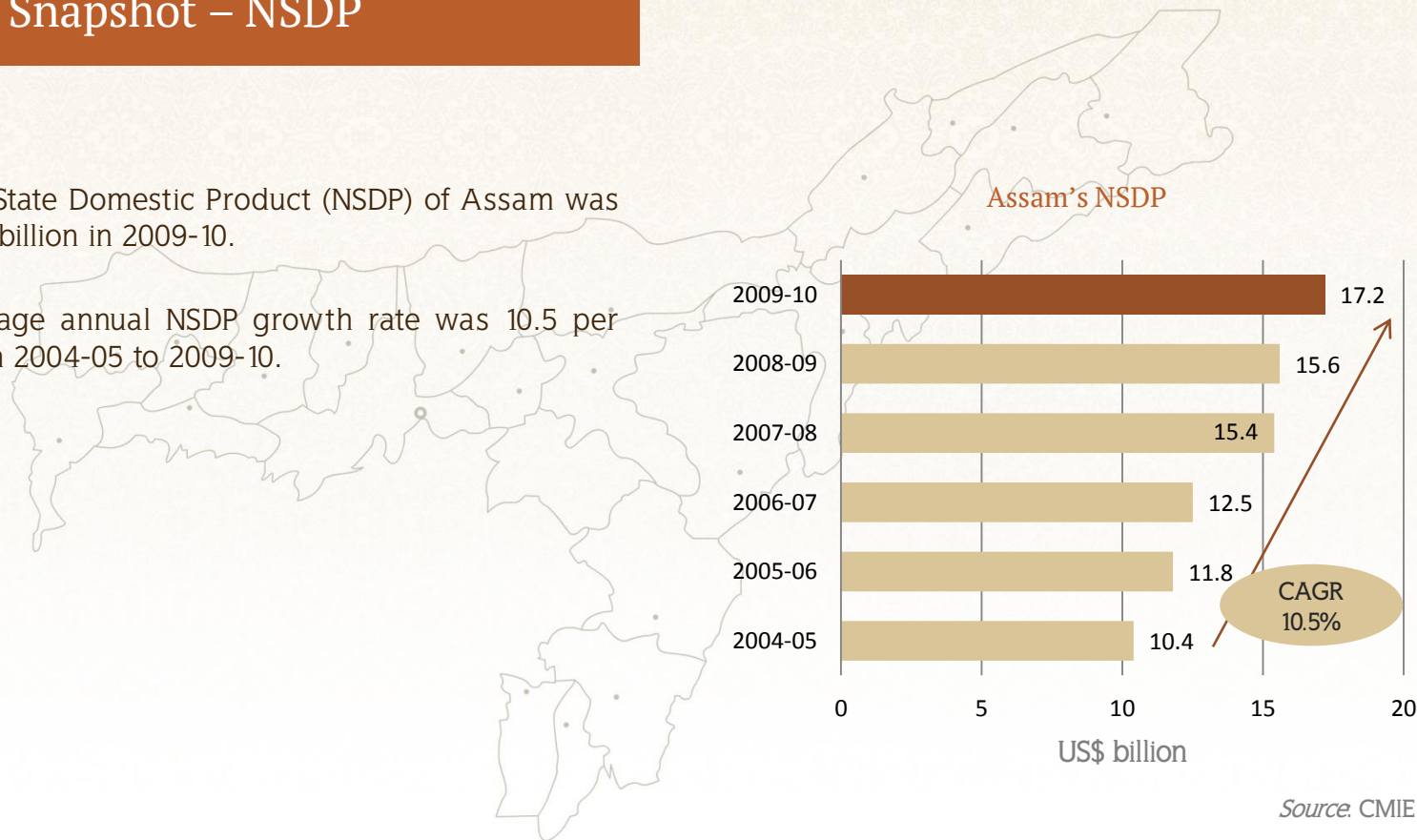
Economic Snapshot – GSDP

- At current prices, the Gross State Domestic Product (GSDP) of Assam was US\$ 19.5 billion in 2009-10.
- The average annual GSDP growth rate was 10.5 per cent from 2004-05 to 2009-10.



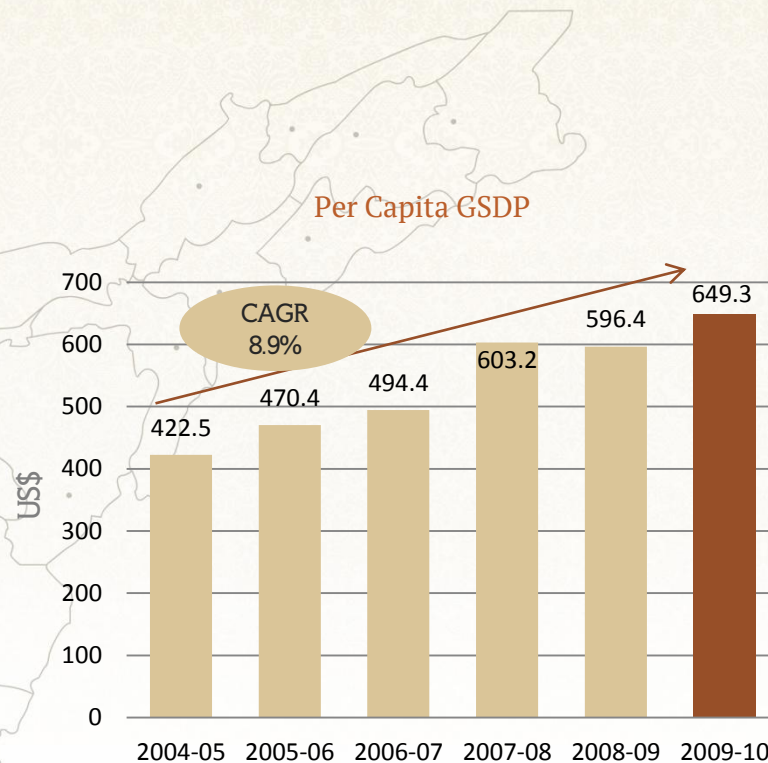
Economic Snapshot – NSDP

- The Net State Domestic Product (NSDP) of Assam was US\$ 17.2 billion in 2009-10.
- The average annual NSDP growth rate was 10.5 per cent from 2004-05 to 2009-10.



Economic Snapshot – Per Capita GSDP

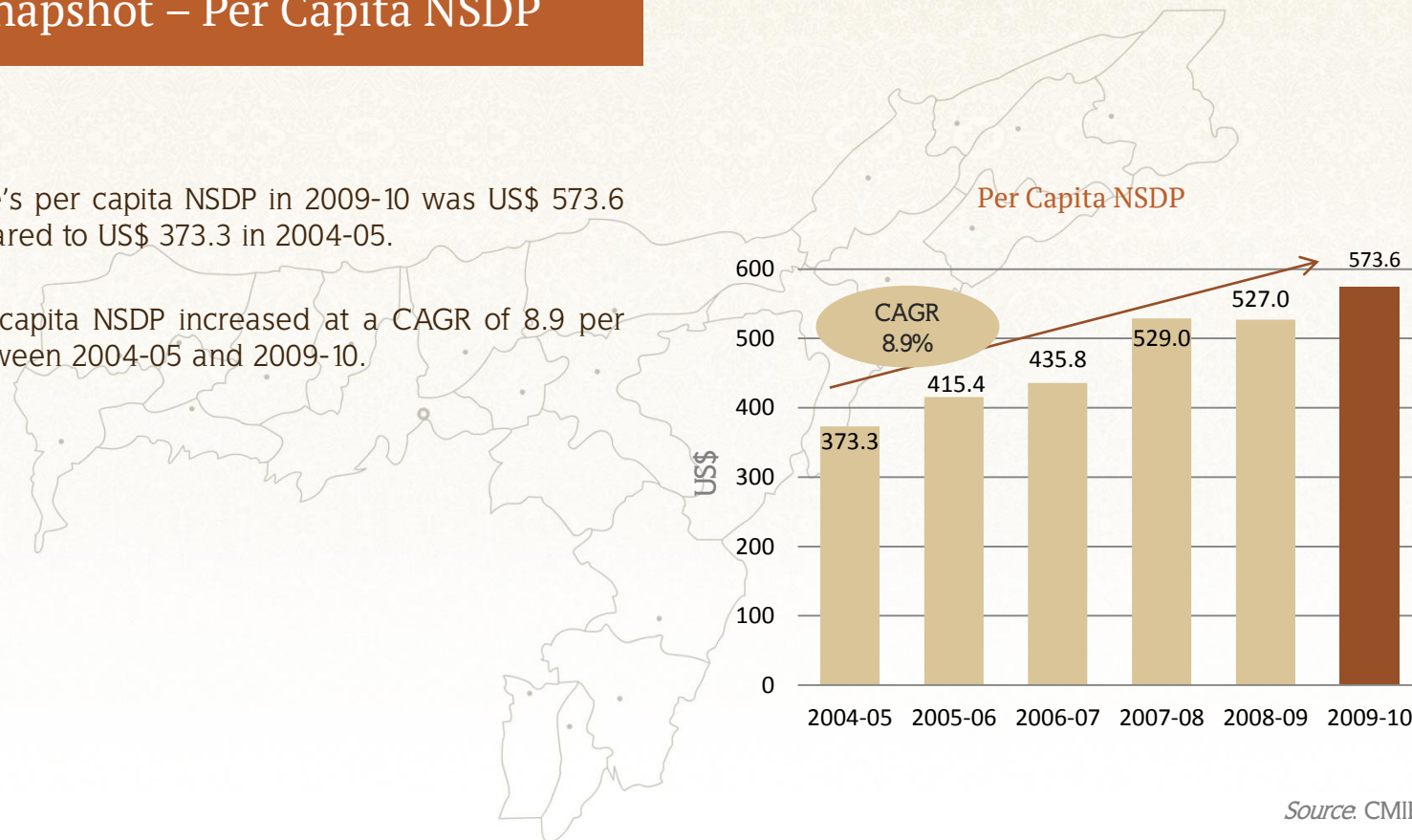
- The state's per capita GSDP in 2009-10 was US\$ 649.3 as compared to US\$ 422.5 in 2004-05.
- The per capita GSDP increased at a CAGR (Compound Annual Growth Rate) of 8.9 per cent between 2004-05 and 2009-10.



Source: CMIE

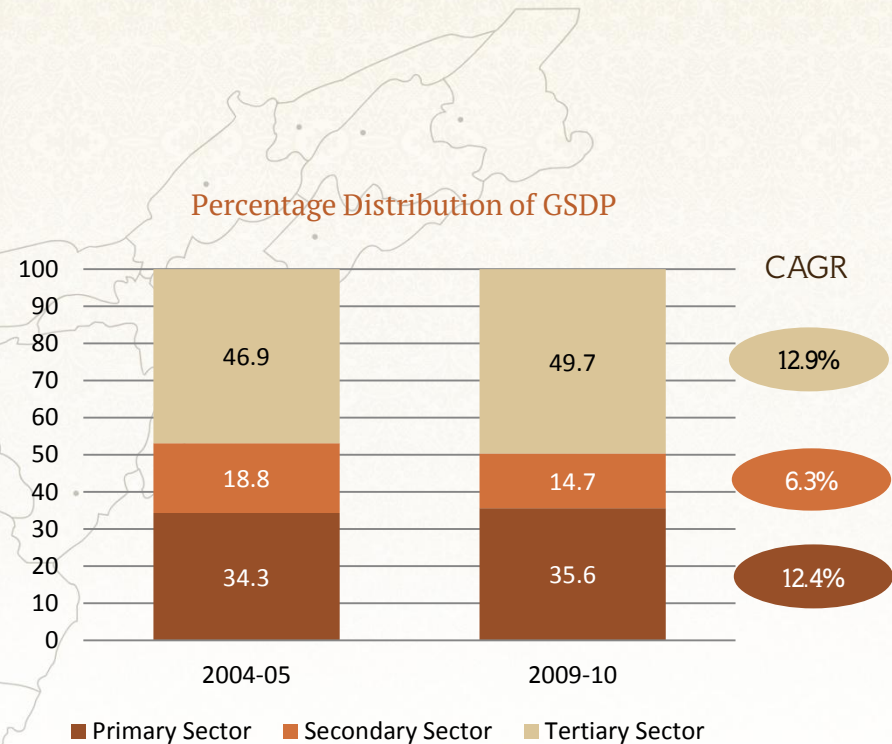
Economic Snapshot – Per Capita NSDP

- The state's per capita NSDP in 2009-10 was US\$ 573.6 as compared to US\$ 373.3 in 2004-05.
- The per capita NSDP increased at a CAGR of 8.9 per cent between 2004-05 and 2009-10.



Economic Snapshot – Percentage Distribution of GSDP

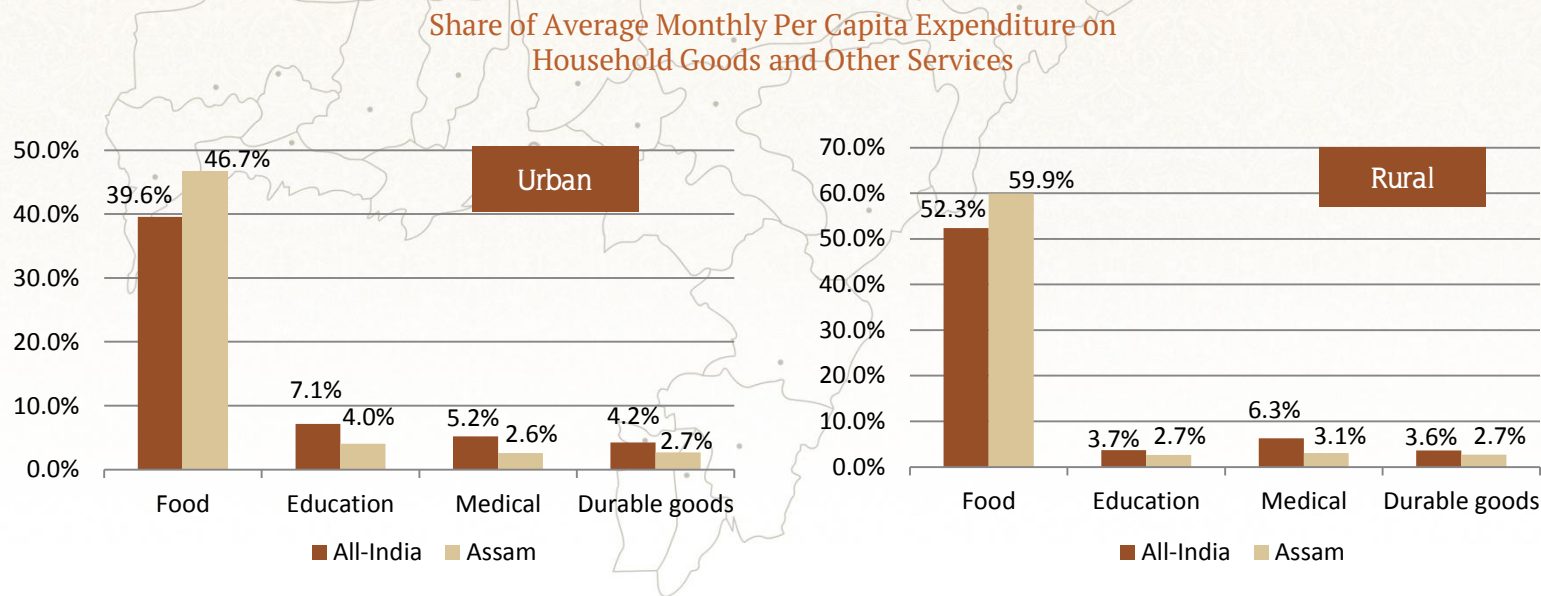
- In 2009-10, the tertiary sector contributed 49.7 per cent to the state's GSDP at current prices, followed by primary sector (35.6 per cent) and secondary sector (14.7 per cent).
- At a CAGR of 12.9 per cent, the tertiary sector has been the fastest growing among the three sectors from 2004-05 to 2009-10. The growth has been driven by trade, hotels, real estate, finance, insurance, transport, communications and other services.
- The primary sector grew at a CAGR of 12.4 per cent and the secondary sector grew at a CAGR of 6.3 per cent between 2004-05 and 2009-10.



Source: CMIE

Economic Snapshot – Consumer Expenditure on Household Goods and Services

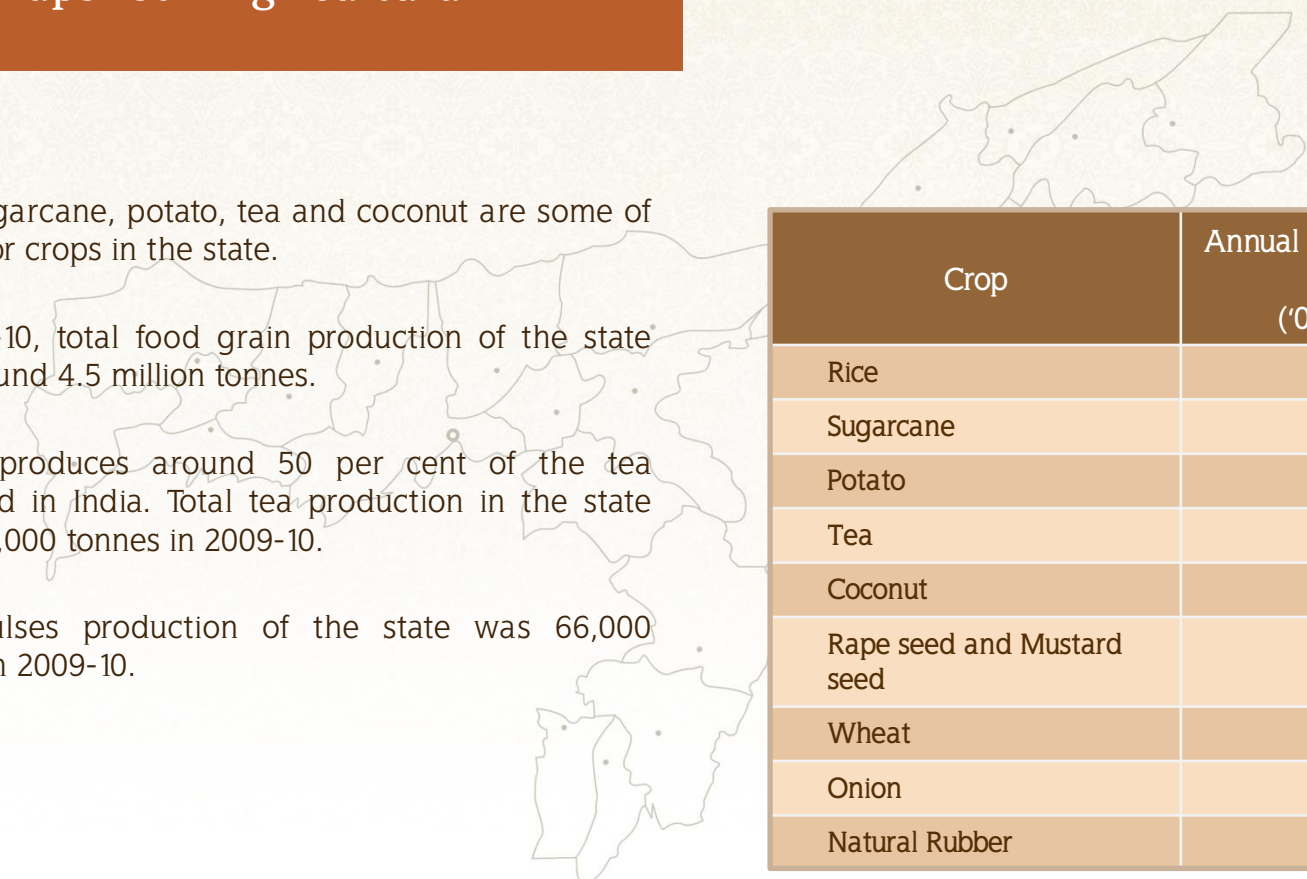
→ Assam is ahead as compared to all-India in share of per capita expenditure on food.



Source: Household Consumer Expenditure in India, 2007-08 NSS 64th Round

Economic Snapshot – Agricultural Production

- Rice, sugarcane, potato, tea and coconut are some of the major crops in the state.
- In 2009-10, total food grain production of the state was around 4.5 million tonnes.
- Assam produces around 50 per cent of the tea produced in India. Total tea production in the state was 498,000 tonnes in 2009-10.
- Total pulses production of the state was 66,000 tonnes in 2009-10.



Crop	Annual Production as of 2009-10 ('000 tonnes)
Rice	4,408
Sugarcane	1,062
Potato	600
Tea	498
Coconut	180*
Rape seed and Mustard seed	131
Wheat	65
Onion	16
Natural Rubber	9.8

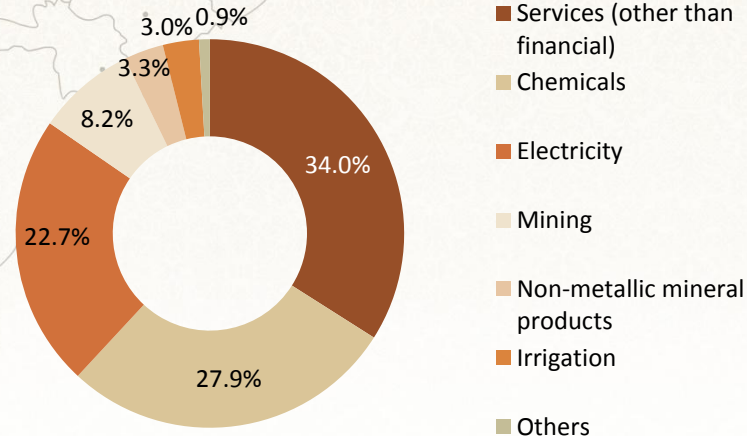
Source: Economic Survey of Assam, 2010-11
*'000 Nuts

Economic Snapshot – FDI Inflows & Investments

- According to the Department of Industrial Policy & Promotion, the cumulative FDI inflows from April 2000 to April 2011 amounted to US\$ 72* million.
- In 2009-10, outstanding investment in the state was US\$ 42.2 billion.
- Of the total outstanding investments, the services (other than financial) sector accounted for around 34.0 per cent followed by chemicals sector at 27.9 per cent and electricity sector at 22.7 per cent.

*FDI inflows for RBI's (Reserve Bank of India's) Guwahati region which includes Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland and Tripura.

Break up of Outstanding Investments by Sector (2009-10)



Others include food & beverages, textiles, metals & metal products, machinery and construction

Source: CMIE

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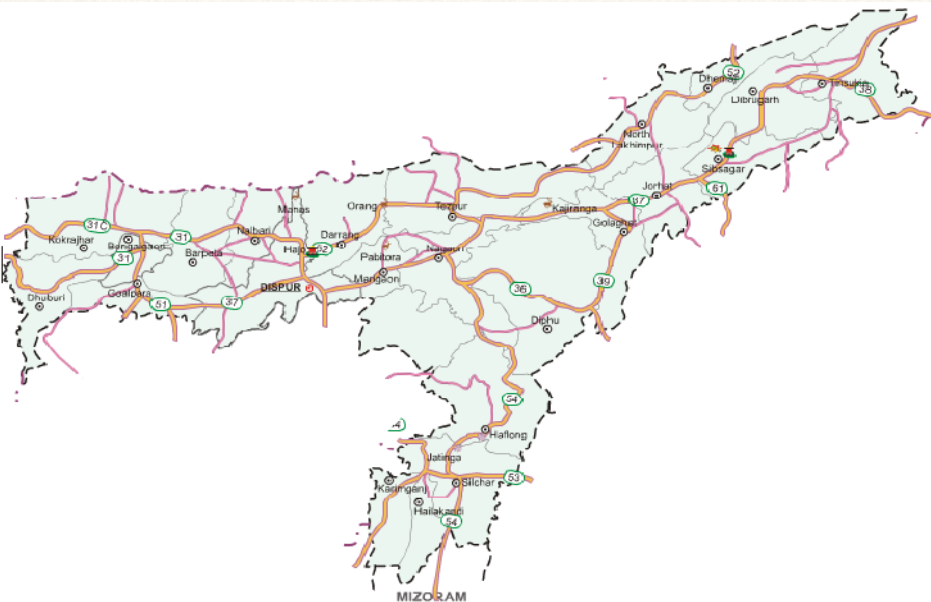
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Physical Infrastructure – Roads



Source: Maps of India

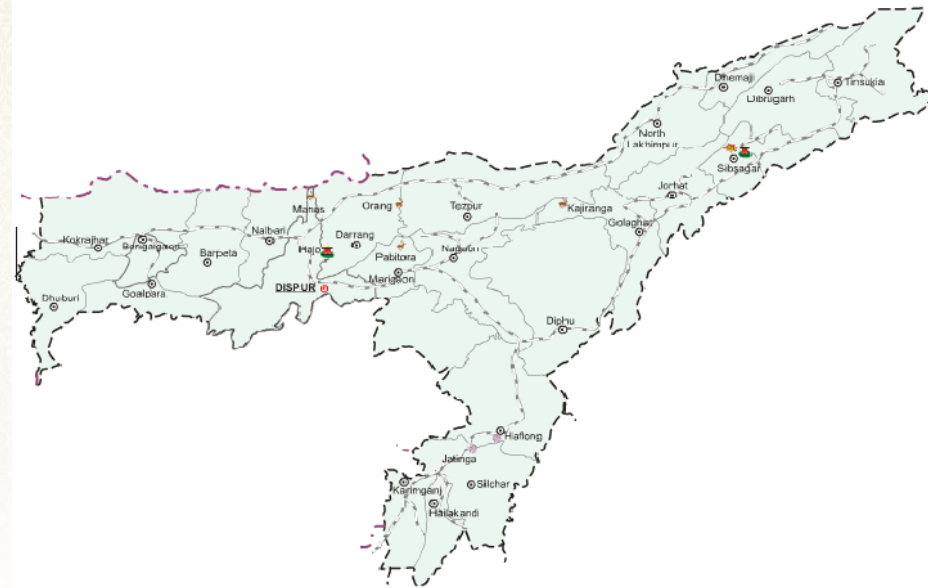
- The Assam State Transport Corporation (ASTC) provides state road transport services since its establishment in 1970.
- A length of 678 km connecting Silchar to Srirampur via Lumding-Daboka-Nagaon-Guwahati in Assam has been entrusted to National Highway Authority of India (NHAI) as part of East-West corridor under National Highways Development Project (NHDP) Phase-II.

Road Type	Road Length (km)
Total Road Length	40,342
National Highways	2,836
State Highways	3,134
Major District Roads	4,413
Rural Roads	28,753

- Assam has a total road length of about 40,342 km (covering both metalled and non-metalled surfaces).
- The major towns in the state are connected by National Highways that cover 2,836 km.

Sources: Ministry of Road Transport & Highways, Annual Report 2010-11, Economic Survey of Assam, 2010-11

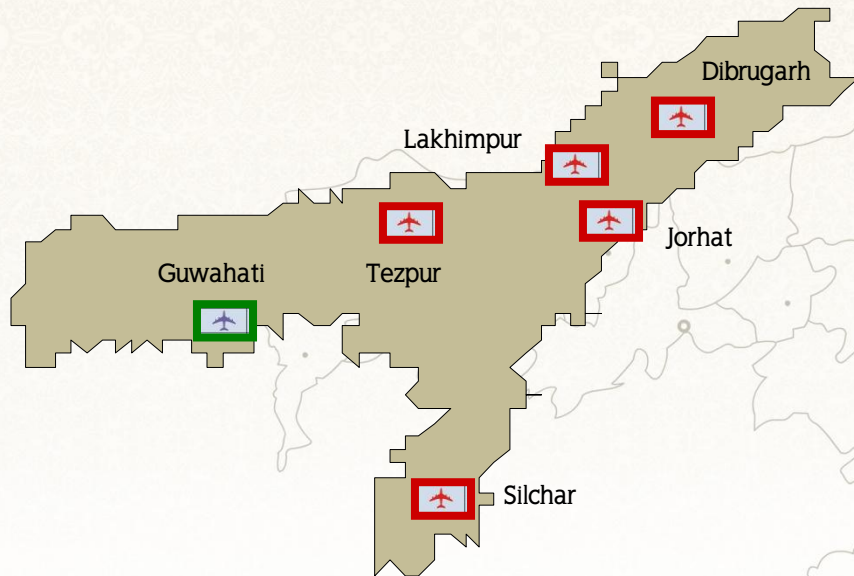
Physical Infrastructure – Railways



Source: Maps of India

- As of March 2010, Assam had a total railway route length of approximately 2,433.3 km, comprising of 1,376.2 km under broad gauge and 1,057.1 km under metre gauge.
- The headquarters of the North-East Frontier Railways is located at Maligaon, on the outskirts of Guwahati.
- Within the state, all the major towns such as Dibrugarh, Tinsukia, Jorhat, Nagaon, Guwahati, Tezpur, Barpeta, Bongaigaon are well connected by the railway network.
- Guwahati is connected to Dibrugarh through a broad-gauge line connection whereas a metre-gauge line connects the city with Haflong and Silchar.

Physical Infrastructure – Airports



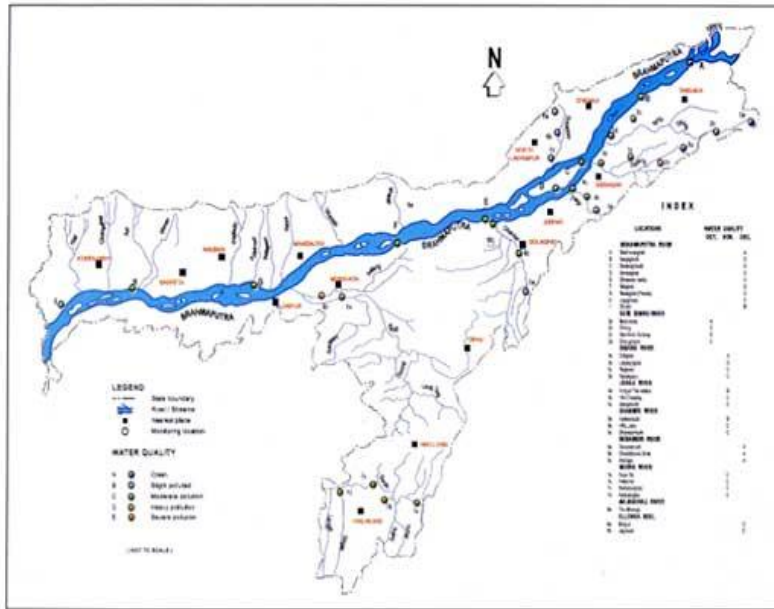
International airport



Domestic airport

- Assam has an international airport at Guwahati known as Lokpriya Gopinath Bordoloi International Airport.
- The Airport Authority of India plans to make Guwahati Airport as one of the major international airports of India, connecting Southeast Asia with India. The airport has undergone an overhaul, which includes both cosmetic and operational changes, including A380 ready runway and jet ways in the terminal.
- The state also has six domestic airports, at Guwahati, Tezpur, Jorhat, Dibrugarh, Silchar and North Lakhimpur.
- Guwahati Airport received 1.9 million passengers during 2010-11.

Physical Infrastructure – Inland Waterways

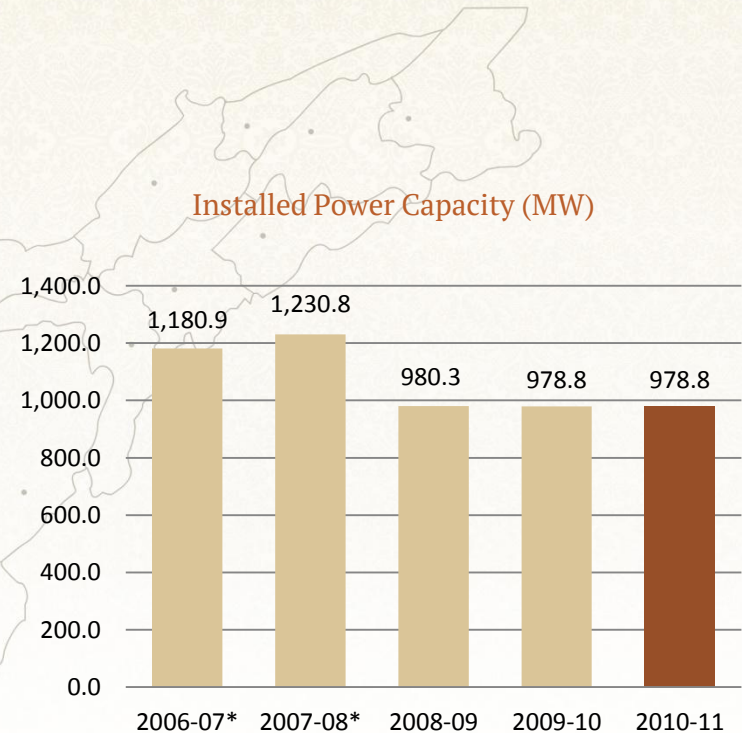


Source: Directorate of Inland Water Transport of Assam

- Assam's major river routes are the Brahmaputra and the Barak rivers, with a combined navigable length of around 1,000 km.
- Seven port locations are operational in the state for import and export to the Kolkata and Haldia ports.
- The river Brahmaputra is known as the National Waterway No 2 (The Ganges is known as the National Waterway No 1).
- The Directorate of Inland Water Transport of Assam operates water transport services on the rivers Brahmaputra and Barak on commercial basis. These services are used for the transportation of passengers and goods across the state and to West Bengal. The present cargo handling capacity of the fleet was nearly 10,000 metric tonnes.
- Container Corporation of India Limited (CONCOR) operates an Inland Container Depot (ICD) at Amingaon, 10 km from Guwahati. Two bonded warehouses of CONCOR along with a private warehouse (total area of 6,400 sq m) operate from the ICD.

Physical Infrastructure – Power ... (1/2)

- As of March 2011, Assam had a total installed power generation capacity of 978.8 MW, which comprised 507.5 under central utilities, 446.8 MW under state utilities, and 24.5 MW under the private sector.
- The private sector controlled capacity was all of gas-based power plants.
- Of the total installed power generation capacity, 522 MW was contributed by thermal power, 429.7 MW was contributed by hydro power and renewable power contributed 27.1 MW of capacity.
- The Asian Development Bank (ADB) has sanctioned US\$ 200 million under the Assam Power Sector Enhancement Investment Programme. Besides, ADB has provided a grant of US\$ 1 million for capacity development of the power-sector utilities in the state.



Source: Central Electricity Authority
*April-January

Physical Infrastructure – Power ... (2/2)

- Assam's power is generated, transmitted and distributed by Assam State Electricity Board (ASEB) and its successor companies.

Successor Companies of ASEB

Assam Power Generation Corporation Limited
Assam Electricity Grid Corporation Limited
Upper Assam Electricity Distribution Co Limited
Lower Assam Electricity Distribution Co Limited
Central Assam Electricity Distribution Co Limited

- Ongoing power projects to be commissioned by Assam Power Generation Corporation Limited.

Name of Project	Capacity
Lakwa Waste-Heat Recovery Project	1 x 37.2 MW
Namrup Replacement Power Project	2 x 100 MW

Physical Infrastructure – Telecom

- According to the Department of Telecommunications, Government of India, Assam had nearly 10.6 million wireless subscribers and 257,002 wire-line subscribers as of December 2010.
- The tele-density in the state was 35.8 per cent as of December 2010.
- The state also had 67,098 broadband subscribers as of November 2010.
- As of December 2010, the state had 604 telephone exchanges.
- As of March 2010, the state had 4,005 post offices.

Telecom Infrastructure (December 2010)

GSM Cellular Subscribers [^]	10,719,295
Broadband Subscribers*	67,098
Post Offices**	4,005
Telephone Exchanges	604
Wireless Subscribers	10,687,173
Wire-line Subscribers	257,002

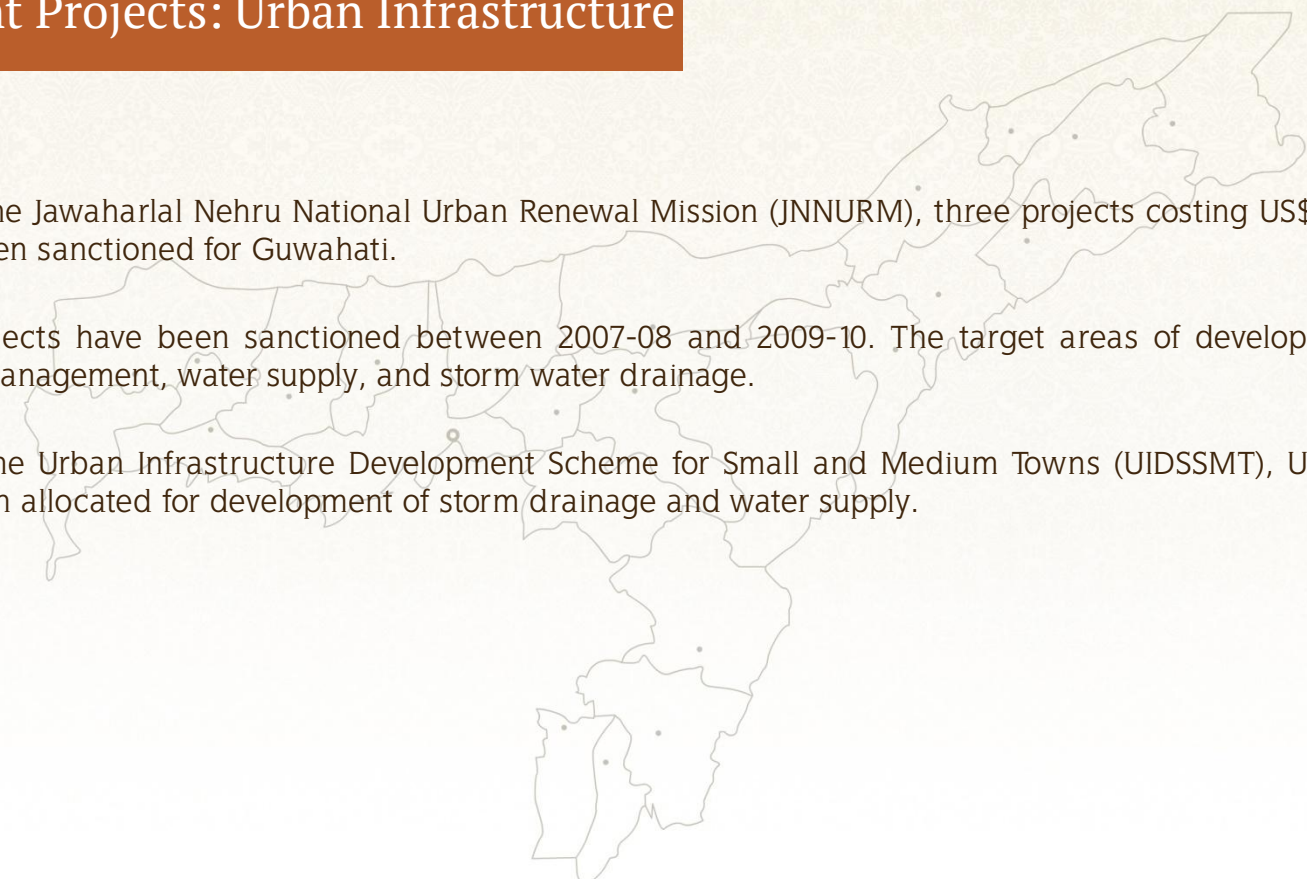
Sources: Cellular Operators Association of India, Department of Telecommunications, Annual Report 2010-11, Economic Survey of Assam, 2010-11,
*As of November 2010,
^As of September 2011,
**As of March 2010

Some of the Major Telecom Operators in Assam

Reliance Communications
Bharat Sanchar Nigam Limited (BSNL)
Bharti Airtel
Dishnet Wireless
Vodafone Essar
IDEA Cellular

Source: Cellular Operators Association of India

Development Projects: Urban Infrastructure

- 
- Under the Jawaharlal Nehru National Urban Renewal Mission (JNNURM), three projects costing US\$ 104.02 million have been sanctioned for Guwahati.
 - The projects have been sanctioned between 2007-08 and 2009-10. The target areas of development are solid waste management, water supply, and storm water drainage.
 - Under the Urban Infrastructure Development Scheme for Small and Medium Towns (UIDSSMT), US\$ 45.6 million has been allocated for development of storm drainage and water supply.

Development Projects: Key Public Private Partnership Projects

Project Name	Sector	PPP Type	Project Cost (US\$ million)	Stage
60 MW Thermal Power Project	Energy	BOT	51.5	Construction
Integrated Solid Waste Management, Guwahati	Urban Development	BOT	22.3	Operational
Bodrikarai Hydro Power Project	Energy	BOOT	10.3	Construction
Engineering College	Education	Lease	8.7	Construction
Champamati Hydro Power Project 4MW	Energy	BOOT	7.6	Operational
2MW Hydel Power	Energy	BOT	3.0	Under Bidding

Source: pppindiadatabase.com
BOT: Build-Own-Transfer, BOOT: Build-Own-Operate-Transfer

Social Infrastructure – Education

- Assam has a literacy rate of 73.2 per cent according to the provisional data of Census 2011; the male literacy rate is 78.8 per cent and the female literacy rate is 67.3 per cent.
- In 2009-10, the state had 30,054 primary schools, 11,038 middle schools and 5,506 high schools. The pupil-teacher ratio was 28:1 for primary schools.
- The State Government is taking several steps to encourage setting up of various educational complexes for skill development. The State Government has formed a steering committee and 27 institute management committees, to facilitate close coordination between industry and academia.

Literacy Rates (%)	
Literacy Rate	73.2
Male Literacy	78.8
Female Literacy	67.3

Source: Census 2011 (provisional data)

Assam's School Education Statistics as of 2009-10

Number of Schools	Primary: 30,054
	Middle: 11,038
	High: 5,506
Pupil-Teacher Ratio	Primary Schools: 28:1
Gross Enrolment Ratio (%)	Primary Schools: 109

Source: Economic Survey of Assam, 2010-11

Premier Institutions in Assam

- Gauhati University, Guwahati
- Assam University, Silchar
- Assam Agricultural University, Jorhat
- Dibrugarh University, Dibrugarh
- Tezpur University, Tezpur
- Assam Engineering College, Guwahati
- Indian Institute of Technology, Guwahati
- Jorhat Engineering College, Jorhat
- National Institute of Technology, Silchar
- Assam Medical College, Dibrugarh
- Gauhati Medical College and Hospital, Guwahati
- Silchar Medical College and Hospital, Silchar

Social Infrastructure – Health

- In 2009, the health infrastructure of the state comprised of 23 Government Hospitals, 844 Primary Health Centres, 261 Dispensaries, 4,592 Sub-Centres and 103 Community Health Centres.
- The Assam Government has announced a series of health packages, including a US\$ 39.4 million scheme to do away with the traditional gender-bias by offering financial assistance to the girl child and radical measures to improve the health of would-be mothers.
- The Assam Health Department has launched an emergency helpline '104' in 2010, to provide instant help to patients and their families.

Health Indicators of Assam (2009)

Birth Rate (per 1,000 persons)	23.6
Death Rate (per 1,000 persons)	8.4
Infant Mortality Rate (per 1,000 live births)	61

Source: Sample Registration System 2009

Health Infrastructure (2009)

- Government Hospitals: 23
- Primary Health Centres: 844
- Dispensaries: 261
- Sub-Centres: 4,592
- Community Health Centres: 103

Source: Economic Survey of Assam, 2010-11

Key Health Schemes Launched by the Assam Government

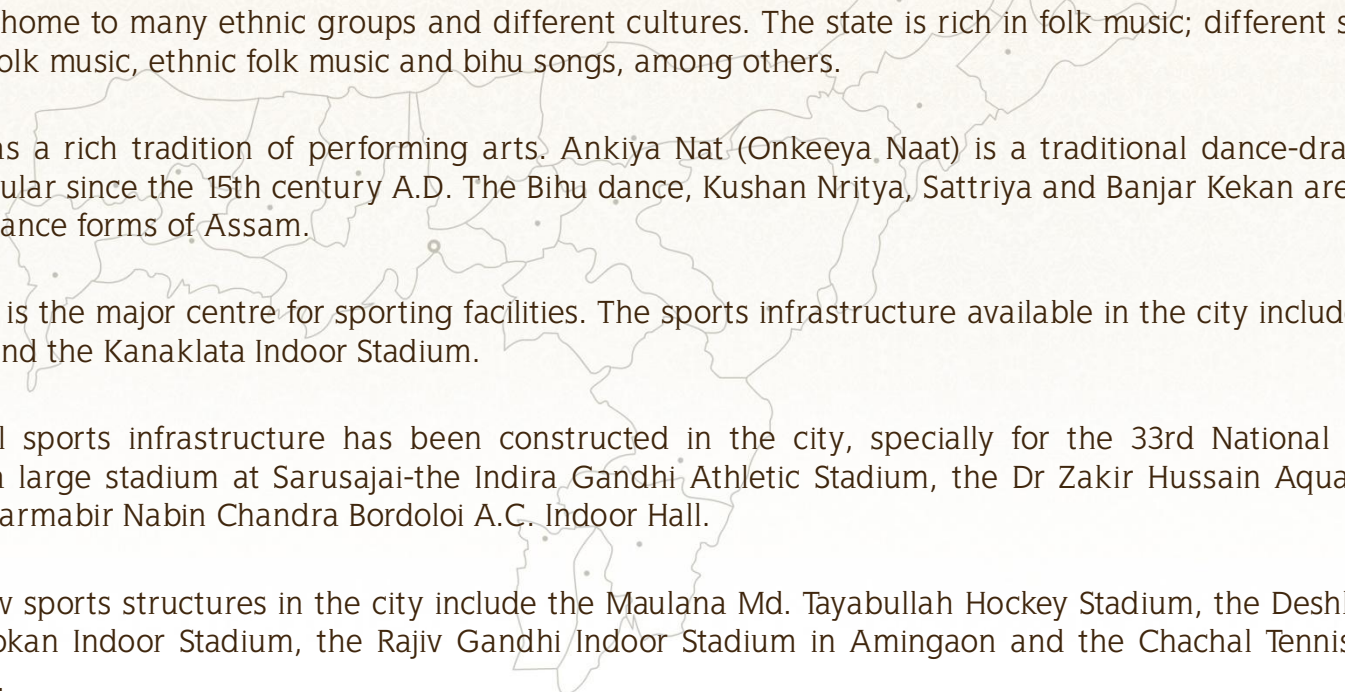
'Majoni' (Assamese for little girls)

- A new-born girl child gets a fixed deposit instrument worth US\$ 109.
- A would-be mother gets US\$ 21.9 and US\$ 10.9 for each of the first two check-ups.

'Morom' (Assamese for compassion)

- Patients in medical college hospitals receive US\$ 1.6 per day for seven days.
- Patients in civil hospitals get US\$ 1.09 per day for five days.

Cultural Infrastructure

- 
- Assam is home to many ethnic groups and different cultures. The state is rich in folk music; different styles include regional folk music, ethnic folk music and bihu songs, among others.
 - Assam has a rich tradition of performing arts. Ankiya Nat (Onkeeya Naat) is a traditional dance-drama (bhaona) form, popular since the 15th century A.D. The Bihu dance, Kushan Nritya, Sattriya and Banjar Kekan are some of the popular dance forms of Assam.
 - Guwahati is the major centre for sporting facilities. The sports infrastructure available in the city includes the Nehru Stadium and the Kanaklata Indoor Stadium.
 - Additional sports infrastructure has been constructed in the city, specially for the 33rd National Games. This includes a large stadium at Sarusajai-the Indira Gandhi Athletic Stadium, the Dr Zakir Hussain Aquatic Complex, and the Karmabir Nabin Chandra Bordoloi A.C. Indoor Hall.
 - Other new sports structures in the city include the Maulana Md. Tayabullah Hockey Stadium, the Deshbhakta Tarun Ram Phookan Indoor Stadium, the Rajiv Gandhi Indoor Stadium in Amingaon and the Chachal Tennis Complex in Guwahati.

Industrial Infrastructure ... (1/2)

Infrastructure	Description
Software Technology Park	A software technology park has been set up at Guwahati, near the Lokpriya Gopinath Bordoloi International Airport, by the Software Technology Parks of India Limited (STPI).
Food Processing Park	The Government of India has sanctioned a food processing park with a total project cost of US\$ 1.3 million. The park is being set up near Chaygaon in the district of Kamrup (rural). The implementing agency is Assam Small Industries Development Corporation Limited.
Agri-Export Zone for Ginger	The Government of India has sanctioned an agri-export zone for the state, for fresh and processed ginger. The nodal agency for implementing this project is Assam Industrial Development Corporation Limited. The zone is located in 8 districts Kamrup, Nalbari, Barpeta, Darrang, Morigaon, Nagaon, Karbi Anglong and North Cachar (N.C.) hills of Assam.
Biotech Park	Considering the importance of biotechnology, an integrated park to provide all infrastructural and other related services, is being developed in Guwahati. The Guwahati Biotech Park would also undertake research activities in the area of biotechnology.

Industrial Infrastructure ... (2/2)



Infrastructure	Description
Export Promotion Industrial Park	Assam Industrial Development Corporation (AIDC) has implemented an Export Promotion Industrial Park (EPIP) at Amingaon, near Guwahati in the district of Kamrup, at an estimated cost of US\$ 3.2 million. The total area of the park is 68.1 acres. AIDC has constructed three industrial sheds and allotted them to three industrial units. In 2008, there were 37 companies and firms in the park, of which 17 were engaged in manufacturing activities.
Industrial Growth Centres	Industrial growth centres with supporting infrastructure have been set up at Balipara in the Sonitpur district and Matia in Goalpara. The Matia industrial growth centre has been set up with a total project cost of US\$ 4.8 million and spans across an area of 700 acres. The Balipura Industrial Growth Centre has been set up with a total project cost of US\$ 5.5 million and is spread across an area of 400 acres.
Integrated Infrastructure Development (IID) Centres	IID centres have been set up at Balipara, Matia, Chaygaon, Dalgaon, Demow, Bhomoraguri, Malinibeel, Dahudi, Silapathar, Rangiya, Banderdewa and Titabor.
Border Trade Centres (BTC)	BTCs are located at Mankachar (Dhubri), Sutarkandi (Karimganj) and Darranga (Kamrup).

- As of 2008, around 144 units have started operating in the industrial growth centres, IIDs and EPIP with a total investment of US\$ 4.3 billion, offering direct employment to 7,063 persons and indirect employment to 22,670 persons.

Source: AIDC

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Key Industries ... (1/2)

- Assam produces around 50 per cent of the tea produced in India.
- As of March 2010, there were 32,984 registered Small Scale Industrial (SSI) / Micro, Small and Medium Enterprises (MSME) units in the state.
- Assam is traditionally famous for its cottage industry, especially, spinning, weaving and sericulture. The state contributes 99 per cent and 63 per cent to the country's total muga and eri raw-silk production, respectively. An estimated 260,000 families are engaged in sericulture.
- Bell-metal work is another traditional cottage industry of Assam. Brass-work is also an important traditional handicraft. The total annual production of marketable finished goods is about 300 tonnes.

- The state has a variety of tourist attractions such as wildlife sanctuaries, adventure tourism, eco-tourism, hill stations, lakes and places of historical significance. There are five national parks and 15 wildlife sanctuaries in Assam.

Key industries in Assam

- Tea
- Coal, Oil and Gas
- Limestone and Cement
- Agriculture and Horticulture
- Food Processing
- Tourism
- Traditional Cottage Industry
- Sericulture

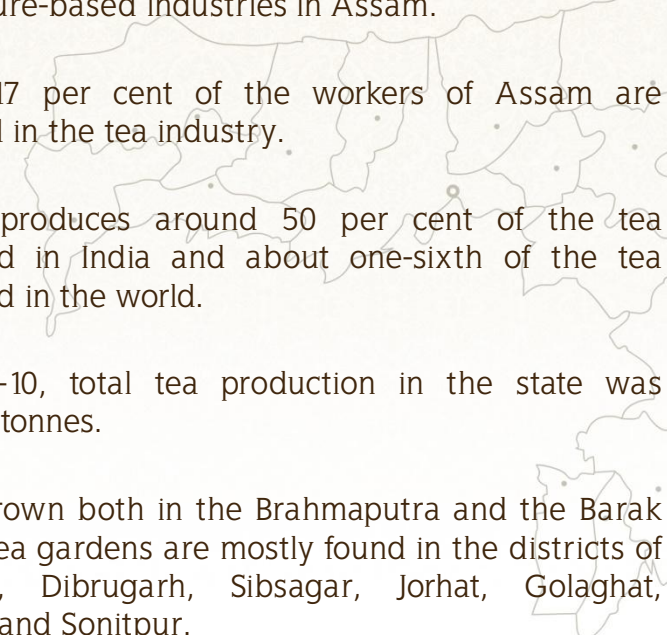
Key Industries ... (2/2)



Key Industries in Major Districts	
District	Industries
Barpeta	Metal, Oil and Natural Gas
Bongaigaon	Textiles, Oil and Natural Gas
Dibrugarh	Petroleum and Natural Gas
Jorhat	Tea and Food Products
Karimganj	Cement
North Cachar Hills	Cement
Sivasagar	Oil and Natural Gas
Tinsukia	Tea, Oil and Natural Gas

Source: assamgovt.nic.in

Key Industries – Tea ... (1/2)

- 
- Tea occupies an important place among all the agriculture-based industries in Assam.
 - About 17 per cent of the workers of Assam are engaged in the tea industry.
 - Assam produces around 50 per cent of the tea produced in India and about one-sixth of the tea produced in the world.
 - In 2009-10, total tea production in the state was 498,000 tonnes.
 - Tea is grown both in the Brahmaputra and the Barak plains. Tea gardens are mostly found in the districts of Tinsukia, Dibrugarh, Sibsagar, Jorhat, Golaghat, Nagaon and Sonitpur.
 - The Government has secured a Geographical Indication (GI) for the tea produced in the state. As a result 'Assam Tea' is known as 'Assam Orthodox Tea'.

- The Guwahati Tea Auction Centre was established in 1970 for better marketing of the tea produced in the region. This is among the world's largest CTC tea auction centres and the world's second-largest, after Colombo, in terms of total tea handled. Every year, the centre auctions over 150 million kg of tea, valued at more than US\$ 120 million.
- The Government of India has created a Special Purpose Tea Fund (SPTF) for rejuvenation of tea bushes. This will benefit about 700 to 800 tea gardens of the state.

Some of the Key Players

- Assam Tea Corporation Ltd
- Assam Company India Ltd
- Apeejay Tea Ltd
- Williamson Magor Group

Key Industries – Tea ... (2/2)

Assam Tea Corp Ltd



- A wholly-owned undertaking of the Government of Assam and established in 1972.
- Comprises of 14 tea estates, spread over 13,000 hectares of prime land in over six districts of Assam.
- Based in Dispur, the corporation provides direct employment to more than 16,000 workers.

Assam Company India Ltd



- Formed in 1839, the company operates 16 factories, 19 tea estates and gardens, spread over 12,000 hectares, of which 18 tea estates are located in Assam.
- It employs over 40,000 people.

Apeejay Tea Ltd



- Apeejay Tea, formerly known as Assam Frontier Tea Limited, was established in 1889.
- The company has 17 estates, spread over 50,000 acres in Assam, which together produce around 25 million kg of tea.
- The company's known brands are Typhoo, Mantra and Maha Mantra.

Williamson Magor Group



- Established in 1868, the group produces over 75 million kg of tea every year, of which 30 million kg is produced from its 23 tea estates in Assam.
- Tez, Premium Gold and Jaago are the packet tea brands of the company.

Key Industries – Energy: Coal, Oil and Gas ... (1/2)

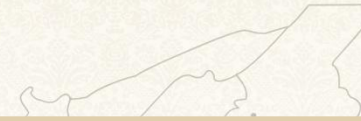
- Assam has over 1.3 billion tonnes of crude oil and 156 billion cubic metric tonnes of natural gas reserves. The state also has a substantial reserve of Coal Bed Methane (CBM). The state has about 1,200 Million Metric Tonnes (MT) of coal reserves.
- Assam accounts for about 15 per cent of India's crude output. The wells at Digboi, Duliajan, Sivasagar, etc., also produce natural gas, accounting for about 50 per cent of India's total onshore-production.
- Coal occurs mainly in upper Assam districts of Tinsukia and Dibrugarh in the Makum and Dilli – Jeypore coalfields. Small coal deposits occur sporadically in the Central-Assam districts of Karbi Anglong and North Cachar Hills. The proved reserve of coal in this belt is about 340 million tonnes.
- Margherita town in Tinsukia district is known as the 'Coal Queen of Assam'.

Some of the Key Players

- Indian Oil Corporation Ltd
- Oil and Natural Gas Corporation Ltd
- Oil India Ltd
- Coal India Ltd (CIL)

Source: assamgovt.nic.in

Key Industries – Energy: Coal, Oil and Gas ... (2/2)



Indian Oil Corp Ltd (IOCL)



- IOCL is India's largest company in terms of sales with a turnover of US\$ 68.8 billion in 2010-11.
- It is the 18th largest petroleum company in the world and features among the Fortune 500 companies.
- The company has refineries at Digboi, Guwahati and Bongaigaon. The Digboi Refinery is India's oldest and was commissioned in 1901 and has a capacity of 65.7 Million Metric Tonnes Per Annum (MMTPA).

Oil and Natural Gas Corp Ltd (ONGC)



- ONGC is India's leading oil and gas, exploration and production company.
- The company has 240 onshore production installations, 69 drilling rigs, 17,500 km pipeline network. ONGC has around 300 wells in operation in Assam.

Oil India Ltd (OIL)



- OIL was established in 1959 to expand and develop the newly discovered oil fields of Naharkatiya and Moran in Assam.
- OIL owns and operates 13 drilling rigs and 14 work-over rigs. The company's registered office is located in Duliajan and the pipeline headquarter is located in Guwahati.

Coal India Ltd (CIL)



- CIL is a Government of India undertaking and is the single-largest coal producing company in the world.
- CIL operates through 79 areas and 473 mines, of which 279 are underground. It commands 75 per cent of the Indian coal market.
- North Eastern Coalfields, a unit of CIL, is located at Margherita, Assam. CIL had a turnover of US\$ 11.02 billion in 2010-11.

Key Industries – Limestone and Cement ... (1/2)

- Limestone is an important mineral, which is used in the manufacture of cement.
- Several cement factories have come up in Assam because of availability of high quality limestone in the region.
- Good quality cement-grade limestone is found in the central-Assam districts of North Cachar Hills and Karbi Anglong, where a total reserve of about 670 million tonnes is available for exploitation.

Key Players

- Cement Corporation of India Ltd
- Barak Valley Cements Ltd
- Jaypee Cements Ltd

Key Industries – Limestone and Cement ... (2/2)

Cement Corp of India Ltd (CCI)



- CCI was incorporated in 1965 as a wholly-owned Government of India company.
- It has 10 units spread over eight states with a total annual installed capacity of 3,848,000 metric tonnes.
- In Assam, the corporation has a plant at Bokajan, which has a capacity of 198,000 MT and a regional office at Guwahati. In 2009-10, the corporation had sales of US\$ 76.2 million.

Barak Valley Cements Ltd




- BVCL was incorporated as a public limited company in 1999.
- The company is located in Assam and all the operations of the company are concentrated in the Northeast India.
- The manufacturing unit of the company is located at Badarpurghat, Assam. Its subsidiary, Badarpur Energy Private Limited, is setting up a 6 MW biomass captive power plant at Badarpurghat in Assam.

Jaypee Cements Ltd

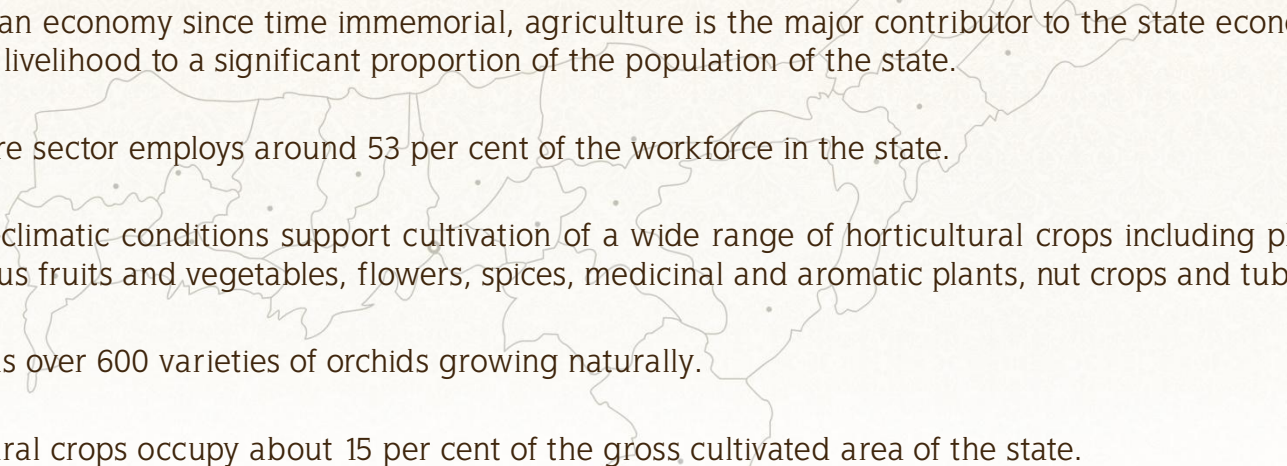


- The group is engaged in the businesses of power, real estate, hospitality and cement, among others.
- It has announced an investment of US\$ 228 million to set up a green field cement plant in the North Cachar Hills district with an annual capacity of 2 million tonnes. This is a joint venture with Assam Mineral Development Corporation Limited. The company had a turnover of US\$ 1.19 billion in 2010-11.

Key Industries – Medicinal Herbs and Plants

- 
- Assam, with its vast hills and forests, is home to a variety of medicinal herbs and plants. About 300 types of medicinal herbs and plants are found in abundance in the state with the Brahmaputra Valley, itself, having 150 varieties of herbs and plants of commercial value.
 - It is estimated that only about 5 to 10 per cent of the plants and herbs have been commercially exploited, offering vast potential for further investments.

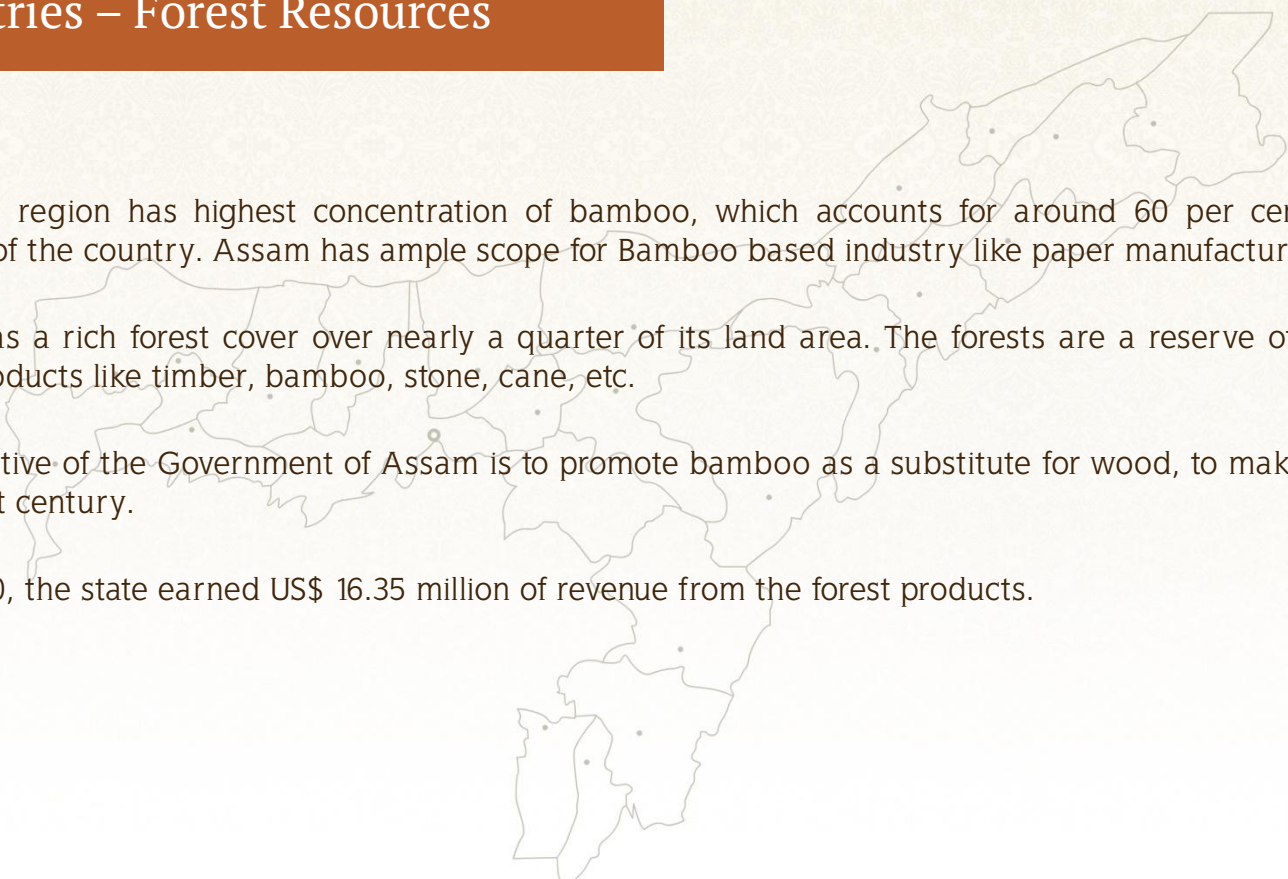
Key Industries – Agriculture and Horticulture

- 
- An agrarian economy since time immemorial, agriculture is the major contributor to the state economy as well as providing livelihood to a significant proportion of the population of the state.
 - Agriculture sector employs around 53 per cent of the workforce in the state.
 - The agro-climatic conditions support cultivation of a wide range of horticultural crops including plantation crops and various fruits and vegetables, flowers, spices, medicinal and aromatic plants, nut crops and tuber crops.
 - Assam has over 600 varieties of orchids growing naturally.
 - Horticultural crops occupy about 15 per cent of the gross cultivated area of the state.

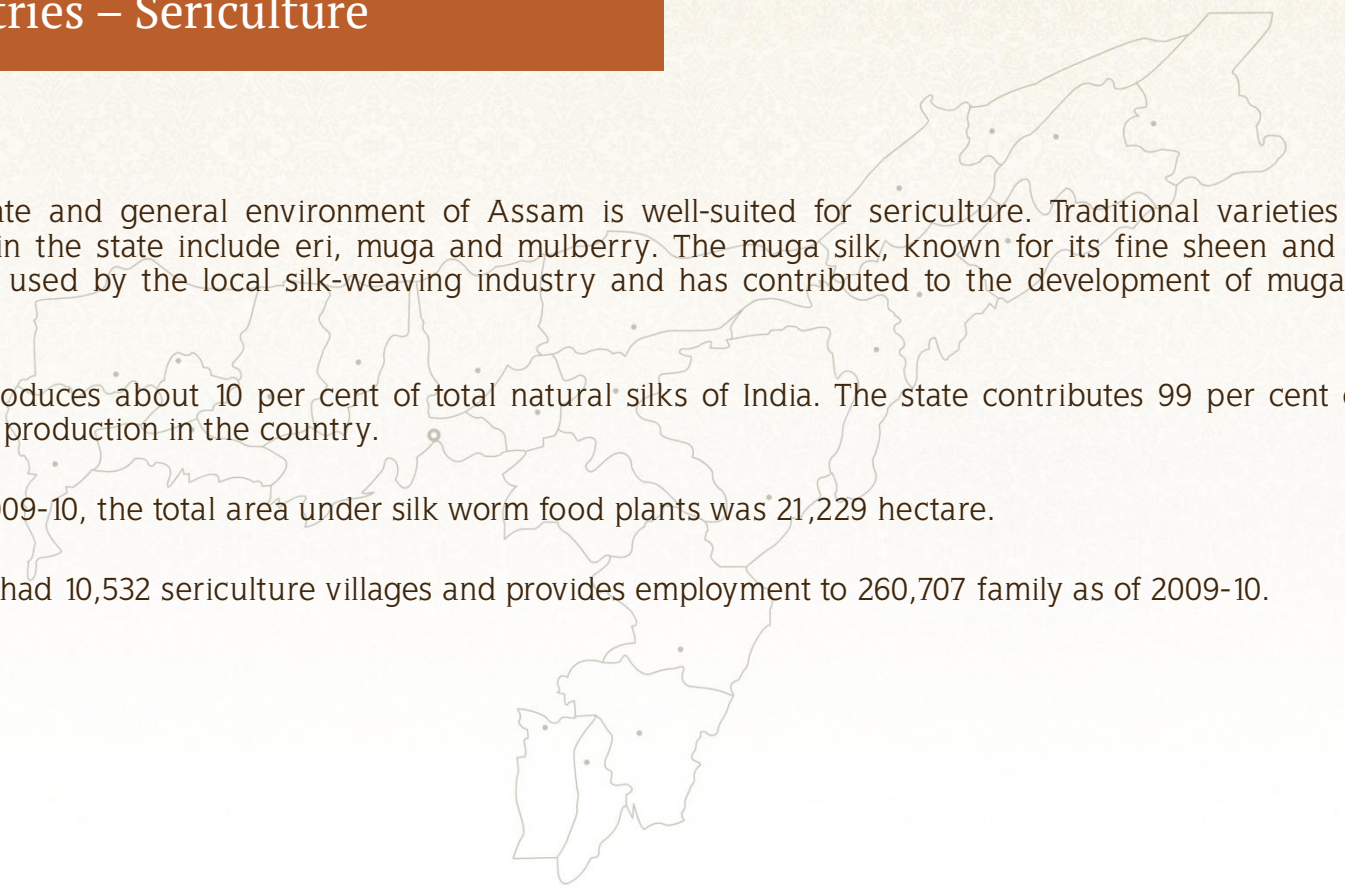
Key Industries – Tourism

- 
- Assam is a tourist destination for nature lovers, wildlife enthusiasts, leisure tourists, ornithologists and photographers from all over the world.
 - According to the Ministry of Tourism, around 3.9 million tourists visited Assam during 2009 – the highest among the Northeastern states.
 - The key tourist destinations in the state are:
 - Wildlife Sanctuaries: Kaziranga, Manas, Orang, Sonai, Rupai, Laokhowa, Pobitora and Dibru-Chaikhowa.
 - Leisure/Scenic Beauty: Chandubi, Bhairabkunda, Daranga, Bhalukpong and Haflong.
 - Pilgrimage Sites: Guwahati, Hajo, Majuli and Batadrawa.
 - Golf courses with Air Strips: Narengi, Borsola and East Boraai.

Key Industries – Forest Resources

- 
- Since this region has highest concentration of bamboo, which accounts for around 60 per cent of the total bamboo of the country. Assam has ample scope for Bamboo based industry like paper manufacturing industry.
 - Assam has a rich forest cover over nearly a quarter of its land area. The forests are a reserve of commercially useful products like timber, bamboo, stone, cane, etc.
 - The objective of the Government of Assam is to promote bamboo as a substitute for wood, to make it the timber of the 21st century.
 - In 2009-10, the state earned US\$ 16.35 million of revenue from the forest products.

Key Industries – Sericulture

- 
- The climate and general environment of Assam is well-suited for sericulture. Traditional varieties of silk cultured in the state include eri, muga and mulberry. The muga silk, known for its fine sheen and golden colour, is used by the local silk-weaving industry and has contributed to the development of muga in the state.
 - Assam produces about 10 per cent of total natural silks of India. The state contributes 99 per cent of total muga silk production in the country.
 - During 2009-10, the total area under silk worm food plants was 21,229 hectare.
 - The state had 10,532 sericulture villages and provides employment to 260,707 family as of 2009-10.

Assam

NOVEMBER
2011

THE LAND OF RED RIVERS AND BLUE HILLS

Contents

- ❖ Assam – An Introduction
- ❖ Infrastructure Status
- ❖ Business Opportunities
- ❖ Doing Business in Assam
- ❖ State Acts & Policies



For updated information, please visit www.ibef.org

Key Approvals Required ... (1/2)

List of Approvals and Clearances Required	Departments to be Consulted	Estimated Time Taken (Days)
Incorporation of the Company	Registrar of Companies	<ul style="list-style-type: none"> • Micro and small scale enterprises: Same day • Other applications: Within 90 days • Registration of new units under VAT Act: Within 15 days of the receipt of application
Allotment of Land/Shed	<ul style="list-style-type: none"> • A committee headed by Managing Director – Assam Industrial Infrastructure Development Corporation (AIIDC)/Assam Industrial Development Corporation (AIDC)/ Assam Small Industries Development Corporation (ASIDC) – will allot land/shed, up to one acre under their respective control, within the prescribed time period. • A nodal officer from Directorate of Industries and Commerce will be a member in the land allotment committee mentioned above. • Land requirement beyond the limits mentioned above will be allotted by a state-level committee chaired by Principal Secretary/Commissioner and Secretary, Industries and Commerce Department with representatives from Finance Department, Government of Assam and Revenue Department, Government of Assam. 	<ul style="list-style-type: none"> • Allotment of land up to one acre and shed up to 500 sq m in the industrial estates/industrial areas/IIDC/growth centres, etc: Within 30 days • Others: Within 60 days

Key Approvals Required ... (2/2)

List of Approvals and Clearances Required	Departments to be Consulted	Estimated Time Taken (Days)
Power	Assam Electricity Regulatory Commission	<ul style="list-style-type: none"> • Low Tension Connection – 30 to 107 days • High Tension Connection – 34 to 114 days • Extra High Tension Connection – 197 days
Pollution	Pollution Control Board	Non-polluting industries classified as green category: No approvals required
Sanction of Incentive/Concessions	<ul style="list-style-type: none"> • District-level Committee (for micro enterprises) • State-level Committee (for small scale undertakings) • AIDC Committee (for medium and large scale undertakings) 	Within 90 days

- A State Investment Promotion Board (SIPB), headed by the Chief Minister, has been constituted to act as the final authority in matters of policy concerning industrial development of the state.
- The Board meets once in a quarter to review the industrial and other related policies of the state and to oversee the process of simplification of government rules and regulations for rapid industrial development.

Cost of Doing Business in Assam

Cost Parameter	Cost Estimate	Source
Hotel Costs (per room per night)	US\$ 20 to US\$ 100	Leading Hotels in the State
Residential Space (per month rent for 2,000 sq ft house)	US\$ 60 to US\$ 500	Industry Sources
Power Cost (per kWh)	Commercial: US\$ 0.10 Industrial: US\$ 0.06 – US\$ 0.08	Assam Electricity Regulatory Commission
Labour Cost (minimum wages per day)	Un-skilled: US\$ 2.2 Skilled: US\$ 2.6	Ministry of Labour and Employment, Government of India

kWh: kilo-Watt hour

Contact List



Agency	Contact Information
Assam Industrial Development Corporation Ltd	R.G Baruah Road, Guwahati-781024 Phone: 91-361- 2201215/2202216 Fax: +91 361 2200060 E-mail: aidcltd@gmail.com Website: www.aidcltd.com
Assam Small Industries Development Corporation Ltd	Bamunimaidan, Guwahati-781021 Phone: 91- 361- 2550 264/2550 265
Assam Hills Small Industries Development Corporation Ltd	Dilajee, District Karbi Anglong Diphu - 782460 Phone: 91- 3671- 272 648
Assam Agro Industries Development Corporation Ltd	RK Road, Ulubari Guwahati - 781007 Phone: 91- 361- 2470 997/2470 993
Assam Financial Corporation	Vittiya Bhavan, M.S Road Paltanbazaar Guwahati - 781008 Phone: 91-361-2739839/2633658 E-mail: afcghy@gmail.com Website: www.afconline.gov.in

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State Acts & Policies ... (1/2)

IT Policy of Assam 2009

Objectives

- To facilitate the growth of IT sector in the state.
- To accelerate the use of Information Technology in the government at all possible levels with a view to bringing efficiency, transparency, accountability and increased productivity.

[Read more](#)

Industrial Policy of Assam 2008-2013

Objective

- To generate economic development by accelerating the process of industrialisation in the state.

[Read more](#)

Tourism Policy of Assam 2008

Objective

- To make tourism an important tool for socio-economic development of the state and place the tourism sector on a high priority in the economic development of the state.

[Read more](#)

State Acts & Policies ... (2/2)

Small Hydropower Policy 2007

Objective

- To promote the development of hydro power sector in the state, which serves as an engine to achieve the objective of promoting the all-round development of the region by inducing private participation.

[Read more](#)

North East Industrial and Investment Promotion Policy (NEIIPP) 2007

Objective

- To promote the Northeast region as an attractive investment destination through concessions and incentives.

[Read more](#)

Bamboo and Cane Policy 2005

Objective

- To promote and support the development of the bamboo sector in a comprehensive manner, through a multidisciplinary, multi-departmental and multi-dimensional integrated approach, to provide economic benefits to the people of the state.

[Read more](#)

Annexure

Exchange Rates

Year	INR equivalent of one US\$
2004-05	44.95
2005-06	44.28
2006-07	45.28
2007-08	40.24
2008-09	45.91
2009-10	47.41
2010-11	45.57

Average for the year

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