Class-x chapter-7 [Geography] Life lines of National Economy

Introduction

Consumer & Industry
[Supply location] [Demand location] Tradens [Transportation]

- . Pace of development depends upon the production of goods and Services as well as their movement over the Space.
- Means of transportation includes: (1 Land) (2 water)

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Trade, transport and Communication

Trade Transport

- -> Development in Science and technology Expanded trade and transport.
- · Were Histricted to limited Space
- Transport + Communication = 1 Connectivity = Huge trade.

 [Railways, Waterways] [Radio, Internet] [Global village] [local to International]
- . Dense and efficient network of transportation and Communication is pre-Hequisite for local, National and Global trade of today.

<u>Class-X Chapter-7 [Geography] Lifelines</u> of National Economy

Transportation: Roadways

- > One of the largest road network in the world. [Aggregating to about 2.3 Million km]
- * Roadways have preceded railways. (Reasons ??)
- (a). Construction Cost is much lower.

- (b). Roads Can traverse/Cross Comparatively more dissected and undulating topography.

 (c). Roads Can negotiate high gradients of slopes.

 (d). Road transportation is economical to transport goods and persons over Short (e). Provide doon-to-doon Service, thus Cost of loading and unloading is much lower.

 (f). Road transport is also used as a feeder to other modes of transport.

Class-X Chapter-7 Geography Lifelines of National Economy

Classification of Roads - I

1). Golden Quadrilateral Super Highways:

→ linking Delhi - kolkata - chennai - Mumbai - Delhi by size lane Super highway.

⊕ Consist of North-South Corridors linking Shinagan (Jøk) to kanyakumani [IN]. East-west Corridors linking Silchen [Assam] to porbandan (Gujrat).

②Implemented and maintained by (NHAI) National Highway authority of India.

→ Connecting Mega Cities.

2). National Highways:

⇒ linking extrem parts of Countries. Various

State Capitals.

Departments [CPWD]

@spread all over the Country evenly.

3). State Highways:

@ Roods linking a state Capital with different district headquarters.

@constructed and maintained by the State
Public works Department [PWD]

Class-X Chapter-7 Geography

Classification of Roads - I

4). District roads:

- ⊕ Roads Connecting district headquarters with other places of the district.
- Maintained by zila ранізhаd.

5). Other Roads:

- € Runal noads [linking nunal aneas and villages with towns.]
- Special benifits under prodhan mantri Grameen sadak yojana.
- OConstructed to increase the Connectivity between village and town by an all season motorable road.

5). Borden Roads:

Lifelines of National Economy

- Borden Roads organisation [BRO], a government of India undertaking. established in 1960.
- Roads made on boнden aneas of the country.
- © Constructing roads in remote areas had helped in economic development of these area.

Class-X Chapter-7 Greography Lifelines of National Economy

Classification of Roads - III

- → Classification on the basis of the types of Material used.
- (i). Metalled Roads
- (i) Metalled Roads

 The mode of Cement, Concrete on even bitumen of Coal.

 All weather road.

 (ii) Unmetalled Roads

 The mode of Mud and Sound.

 The mode of Mud and Sound.

 The mode of Mud and Sound.

* Some facts:

- → National Highway No. 1 = Sher shah Suri marg [Between Delhi and Amritsan]
- → National Highway No 7 = longest NH [2,369 km] From VoHanasi to Kanyakumani.
- → National Highway No B = Connects Delhi to Mumbai.
- > National Highway No 15 = Covers Most of the Rajusthan.

Llass-x Chapter-7 (Greography) Lifelines of National Economy

Koad Density

→ The length of road Pen 100 Sqlkm of area.



> Distribution is not uniform in the Country. [on 31 march 2011]

5 ⇒12.14 km [Jøk] to 517.77 km [kenala] [142.68 km [National] Average]

* Challanges faced by Road transportation:

(i) large volume of traffic and Passengers and road network is not Sufficient for it.

(ii). Half of the moods are unmettaled. They are of No use in mainy season.

(iii). Roads are Congested in Cities.

(iv) Most of the Bridges and Culvents are old and Narrow.

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Transportation: Railways

> Mode of transportation for both freight and Passangers.

> Used for multiple activities like Business, Sightseeing, Pilgnimage and transportation of Goods over long distance.

Goods over long distance.

A great integrating force for economy. Accelerate the development - of the Industry and Agriculture.

→ Indian railways is largest public Sector under taking in the Country.

" finst tnain!!

Mumbai to Thane in 1853.

34 km.

Indion Railways
Reorganised into 16 Zones

7.133 Sations Spnead oven 64,466 km

Llass - X Chapter - 7 [Geography] Lifelines of National Economy

Distribution pattern of Railways in India

- > The distribution pattern is influenced by physiographic, economic and adiministrative tactors.
- · Northern plains
- → Plain area and high Population.
- 1 in Railways.
- Dut large number of rivers Reguine Construction of bridges

- Peninsular Region

 Peninsular Region

 Himalayan Mountairis

 → Hilly area

 → unfavrable for roilway

 Construction.

 From gaps and tunnels.

 → High Relief, Sparse population and lack of economic opportunity ... I development of Railways.

[lass-x Chapter-7 [Geography] Lifelines of National Economy

Challenges faced by Railways

1) Difficult to lay railway lines in areas such as → · Sandy plains of Rajasthon © Swamps of Gujrat → © forested tracks of Madhya prodesh, chattisgarh Ottissa and Jharkhand. → © Streeth of Sahyadri Could be Crossed only through gaps and passes.

2). Mony possangers travel without ticket.

3). Theft and damaging railway property still Continous.

y). Unnecessatily chain pulling.

Class-x Chapter-7 (Geography) Lifelines of National Economy

Pipelines

- → New found Means of transportation.
- > Earlier used to transport water. Now transportation of Grude oil, petroleum products and natural gas to refineries, fentilizer factories and big thermal plants is done by pipelines.
- *Solids -> Slunny -> Transported through pipelines.

 > Initial Cost [Establishment] () -- Running Cost [Maintenance] ()
- · Also there is low chances of Trans-shipment losses and delays.

[lass-x Chapter-7 (Geography) Lifelines of National Economy

Important networks of Pipeline transportation

(i). Upper Assam to kanpun

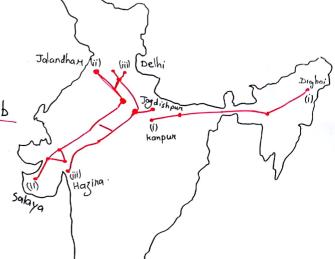
> Via Guwahati, Barauni and Allahabad.

(ii) from Salaya in Gujarat to Jalandhar in Punjab

→ Via Vinamgam, Mothuna, Delhi and Sonipat

(iii) from Hozina in Gujnat to Jagdishpun in U.P

→ Via Vijaipum, Kota, Shahajahanpum, Babnala.



Class-x Chapter-7 (Geography) Lifelines of National Economy Waterways → Role played by it in Spreading Indian Commerce and Culture. > Cheapest means of transport. [In terms of volume] → fule efficient and Environment friendly. Allahabad N.W-1 ※ National Waterways N.W. NO -1 [Allahabad to Haldia] 1620 km [Gianga niver] N.W. No -2 [Sadiya and Dhubri] 891 km [Brahmaputna R] . N. W. NO - 3 [West - Coast Canal, Kerala] 205 km. >[kottapurma - kollam, Udyogamandal and champakkana (anals] Kakinada · N. W. No-4 [Stretches of Godavari and Krishna] 1078 km Kottapuram Pudu cheny · N. W. NO-5 [stretches of River Brahmani, Mahanadi delta] 588 km. N·W-3

Llass-x Chapter-7 (Greagnaphy) Lifelines of National Economy

Major Sea pont

On the Coastline of 7,516.6km we have 12 Major and 187

Notified Non-Major pont. Handling 95% of fortigen trade.

Kandla pont

Developed in the wake of loss of kanachi pont[Pantition]

Tidal pont
Handles trade of gronary and Industry

Mumbai pont

Biggest pont

Jawahanlal Nehnu pont was planned to decongest it.

Manmagao pont and New Mangalone pont.

Major inon one exporting ponts

Kochchi pont [Extreme South-Western pont].

Kochi

Class-x Chapter-7 (Geography) Lifelines of National Economy Majon Sea ponts -IT 共 Tuticonin [Extreme South-Eastern port] -> Notural Harbour and rich Hinterland, Handling Cargoes from Neighbouring Countries 米 Chennai Pont - Oldest antificial Pont, Ranked next after mumbai [volume] Kolkata * Vishakhapatnom Port [Deepest, landlocked and well-protected) * Panadwip pont [Specialises in the expont of Iron one] vishakhapatnam * Kolkata pont 2 > Inland niverine port, require water from Hoogly for operation! * Haldia port [subsidiary port to kolkata port] New Manglotte

Light States Chapter - 7 (Greography) Lifelines of National Economy

Airways

- fastest, Most Comfortable and Prestigious Mode of transport.

- Amritson

- Can Cover - Difficult termian like

- High Mountains, long oceanic stretches dense forest [Paja Sonsi]

[North eastern States], Deserts [Sahara]

- Air transport was nationalised in 1953

- Pawanhans helicopters ltd. Provide helicopter Services.

- Air transport - & - Common peoples

- But in North eastern States Special provisions are made to chemia [region Bakkom]

- Chemia [region Bakkom]

- Thi/wwananthapuram [Trivandrum]

[lass-x Chapter-7 [Geography] Lifelines of National Economy

Communication

· It is there since humas appeared on the earth. But, the pace of change has been rapid in modern times.

STD [Subscriber Trunk dialling] > 2/3 of village are covered by it.

→ 24 hours STD facility to every village.

- Integrating Space technology with Communication

- · Personal Communication > Mobile, letters etc.
- · Mass Communication Television, Hadio, press etc.
- · Indian postal network is the largest in the world.
- · One of the largest telecom networks in Asia.

(Mass Communication)

- All India Radio (Akashwani)
- National television channel (Doordanshan)
- > Newspapers [about loo languages and dialects]
- > India is largest producer of feature films [Central board of film Centification] Certify films.

[lass-x Chapter-7 [Greography] Lifelines of National Economy

International Trade

> The exchange of goods and Services among people, states and Countries is referred as trade. When Such trade takes place between two Countries it is know as International trade.

(Routes) -> Land, water and air. (Economic Barometer)

- -> Resources are Space bound -> . . International trade is Necessity.
- · Balance of Triade [Bot] -> The difference between the export and import of any Country.
- (i) favourable balance of trade = [Exports > Imports] (ii) unfavorable balance of trade = [Export < Imports]
- > Commodities which India exports: Agriculture products, one and Minerals, gems and jewellery. etc
- -> Commodities which India Imports: petroleum and petroleum products, pearls and precious stones etc.
- > Exchange of Goods and Services (1) > with IT. India = Software gaint [Exporting IT Services and good]

[lass-x Chapter-7 [Greography] Lifelines of National Economy

lourism as a Trade

- > Tourism: A Sector having potential to generate More employment and economic activity.
- · foreign tourist annivals 1) by 11.8 % during 2010 as against the year 2009.
- · Contributing to Rs 64,889 Crone of foreign exchange in 2010.
- · 5.78 Million foreign townist visited India in 2010.
- · Benefits of tourism:
- > If Promotes National Integration, provide Supports local handicrofts and cultural pursuits.
- → It develops an international understanding about our Culture and heritage.
- > foreign tourists visit India for Heritage, eco, cultural, Adventure, medical and business tourism.