Infrastructurce

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PPP; post 1991 phenomena (pvt. sector help to fil)
                                                                            infra goup)
           3 new investment models adopted post 1991: PPP, VFG, CSR
          Defn: way to execute & maintain in from thru

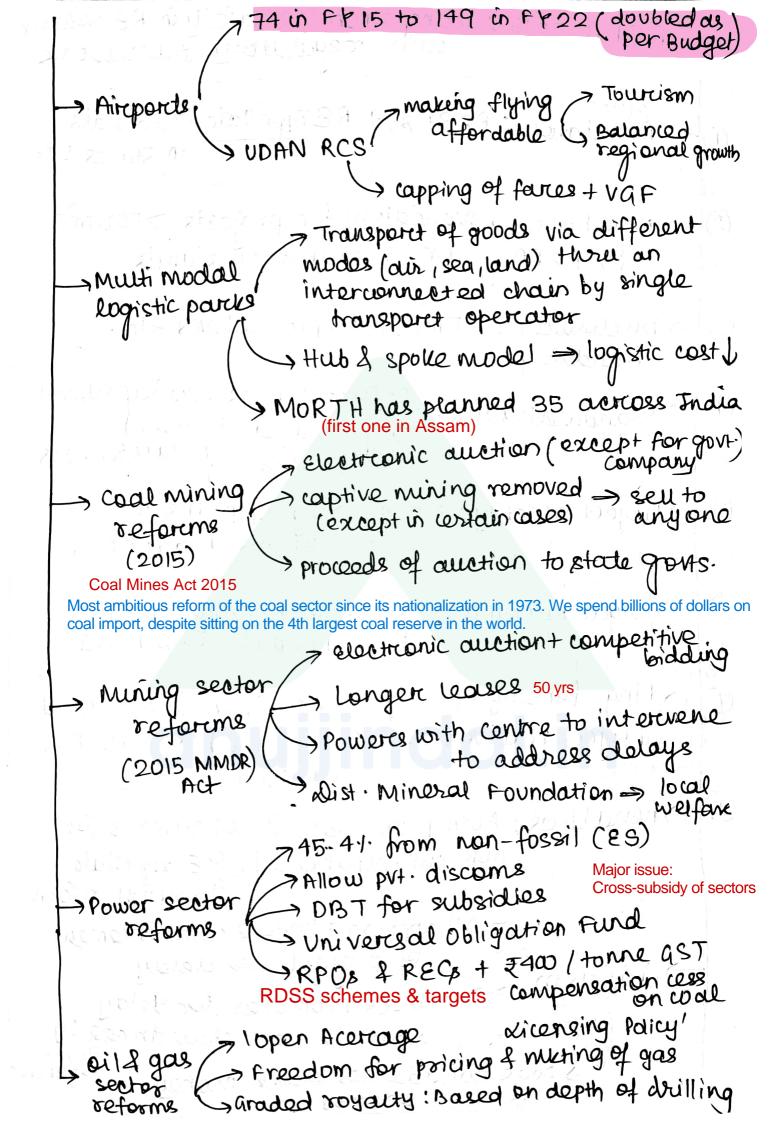
could of govt. & pvt. sector where pvt.

sectore involved in at least op. & maintenance
                                 > legal & political ruisks: govt. Division of supply & demand sisks: pvt strengths
                                                                                       Division of labour
                                                                                        as per resp.
                       > SPV to execute & maintain project > capital intensive > pvt sector
                        rinnovation & efficiency
                                   > Long gestation period > govt change > policy change
                                     Moral hazard: govt bails out when
           7 oraticisms
                                                               project goes south
             limitations rather
                                    > Airports, ports etc. > revenue sharing
                                                                         model
                                                          ⇒ aggressive bidding

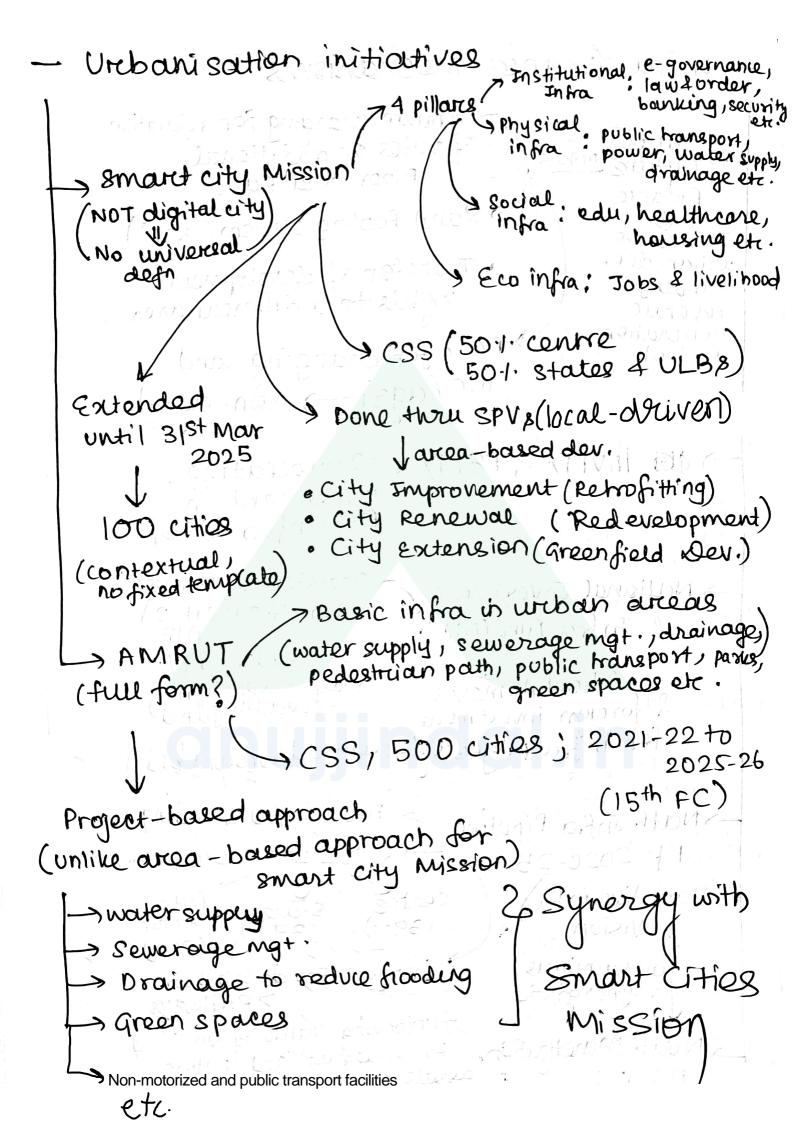
⇒ strain on finances
                                                            -> quality of services
              Re ckless
                                      Hard to reenegotiate project if
                bidding
                                        condition changes -> no bureaucrat
                                                                           negotiaties
                                                             no reward
       (NPAs) in banks. New projects are not able to attract sponsors as in recent PPP bids & banks are unwilling to lend
      Hence, many infra projects are today financially stressed, accounting for almost a third of stressed assets
         > PPP models (12); EPC, Cost+, HAM, BOT, BOOT, BOLT, DBF OT, LDO, Mg+.contract
                                                                                        Service contract
                                                                                        swiss challenge
                          Viability Funding Gap: Dept. of Economic Affairs introduced VFG Scheme (2006)
                                                => financial support of 40% of total project costs to social infra
                                                   that is economically justified but commercially unviable
                          FDI in many sectors opened up => foreign contractors + finance + tech transfer +
Mvst
                           managerial expertise, innovation, competition etc. etc.
                                              India Infra Project Dev. Fund (IIPDF) set up: Corpus of 100 Cr.
           4 govt. steps to promote PPP
                                               set up in 2008 => grant upto 75% for project dev. expenses
 Vijay Kelkar Comm.
                                                              (PDA => appeasement => grant)
 (2015) to study &
                      India Infra Finance Company Ltd. (IIFCL): Registered as NBFC-ND-IFC with RBI.
 improve PPP models
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provides long term finance to infra projects to eligible sectors.

specific infra sectors Avg. pace of highway construction 3 times from 11.7 km [day in FF 14 Roads to 34 km/day in Ft 24 (ES) > Bharcatmala/1998, Pariyojana I vajpayee implemented highways PMGSP: Rural roads + Fwd. linkages Bkd. linkages rou lway 1 railway 1 > iron & Railways > tourism 1 steel T togistics cost raw material Also combined transport of & finished goods transport coal & multiplier of 4+ petroleum (as per Railway Min) to mkts. واحدة products Increase in public infra 100-1. FPI in railway Infra except investment like railway, affects the economy in train operations & safety two ways: -In the short run, it High speed. cost efficient over our boosts aggregate demand and crowds in (pulls in) pvt investment ing & eco friendly (Net Zero goal by 2030) journe due to complementary nature of infra services India 4th largest rail network -In the long run, a supply side effect also kicks in as the > Dedicated freight co voidors infrastructure-built feeds into the productive capacity of the economy connect economic agents Industrial along deodrak Corridors 3 complementary world class SEZ, logistics Rouliroad, park etc. post airport announced Budget -> suppost Make In Synergy with 14 CEZs & 35 MMLPs for logistics ecosystem Fndia +angets 713 major parts > Voidhavan port -> India's first mega port (INSTC + IMEED node) Ly aimed to be within Top 10 globally synergy with industrial corridors Sagarcmala initiative > post-lad development PPP in points Maritime logistics infra duré? — 14CEZ9 of lookin reach (Major Port Auth.) Act 2021



RERA 2016: transparency & safety in RE sector with regulatory framework -> Regulation: RERAS + RE Appellate Tribunals mandatory for projects 7500 m² or 8 aparemente/units -> Registration WITH RERA Timeline 1 promoters etc. > Disclosures (Mandatory) > Standardization: xlefines terems like apartment, carpet area to avoid misleading of customers -) Project sanetity: No altering of plans w/o consent of 2/3rd allottees > regal Recourse: Time-bound resolution by RE appellate tribunals -> Ring-fencing of 70% of funds in Acc. Used project receivables for specified construction activities only -> Penalties: Both promoters & consumers for non-compliance of RE appellate tribunal orders. > All approvals before commencement of projects -> delay > Cruticism! > Penalizes promoter don delay - often due to late clearances by agenu'e s does not address black maney in Re sector



Infra finance mechanisms Premium/changing for relaxation of rules or additional Ploor Area Ratio Finance > Kand Pooling system (225?) Innovative urban del. > Transfer of development (zoning technique) funding rights to a different area revenue generation Fees for changing land tool use (agri - non-agri) INVITO & REITS Democratize SEBI regulated, investment in other details in Relinfra sector finance Registered as must > Notional Investment under SEB1 (cat-2) & Infra Fund (NIIF) + Govt holds 49% (guasi-sovereign wealth fund Attract domestic & foreign investment greenfield/prownfield for infra projects/ Public infra spending > Natt. Infra Pipeline → ₹ 102 Lac Crore predicted FF 2020-25 (more like infa states (39%) co-terminus Energy > Roads > Urban 4 synergistic > Railways 7 Unlocking value of unutilized - North Monetization/ or under utilized public assets thru asset monetization Pipetine -> 6 lac crore from FP21-22 to 24-25-4 years me (2021)>NITI Aayog managed (along with Lump sum payment to govt. helps in Capex

* Note: Asset manetization = privatization/disinvest = structured PPP contracts three Invits > Tariffs regulated De-Hisking Brownfield asset 4 capped with execution handed back to inflation un 21 Sks Agreement itself gost after contract Real-time peniod a) customer exploitation. Examples: -Giving the already constructed NHAI roads to Private Parties on TOT model for a certain period in return for one time money -Giving the Airports to Private Operators for a certain period in return of some lump sum payment mpra masteriplans > Nati masterplan for infra dev. I multi-modal connectivity (road, rail, sea, air) > hati shakti aligital Platform 1316 Ministries for integrated planning →PM Gati Shakti coordinated implementation Inter-ministerial (2021)2 Inter-Dept. wordination Integrates with Bharatmala, Sagarmala, Inland waterways, UDAN etc. #multimodal Focus en industrial, defence, textile corridors connectivity Geospatial data analysis for planning of (ISRO support) project monito project monitoring DCENTRALISED MONITORING: DPIT-LED grap (reduce human intercrention, postal-bossed automatic clearance) h duplication of effortsx 7 Targets, 7 I logistics cost to single digit by 2030 (global benchman) Top 25 in WB LP1 by 2030 DPIIT-led again Logistics evosystem -> data driven suppost Lona ito 1/2 mech for efficient comprehensive Logistics Polity (2022) Action Plan (CLAP) -> 8 action areas > Unified Logistics Interface Platform (ULIP)

- Unified Logistics Interface Platform (ULIP) has been developed as an integrated portal in which information about the location of goods can be obtained on a real-time basis with considerable ease and it will help bring all digital services in the transport sector to a single portal.
- 2. Present logistics cost as % of GDP is varying across sources.
 - According to a survey by the National Council of Applied Economic Research (NCAER), India's logistics cost as a percent of GDP was between 7.8% and 8.9% in 2021-22.
 - Some govt. ministers (Gadkari esp.) place it at 13-14%.
 - Other estimates put it at 16%.

Logistics industry accounts for 13-14% of GDP (as per Economic Survey 2021)

Logistics Costs: Equals to 14-18% of GDP against the global benchmark of 8% (as per Economic Survey 2022-23)

-> Final figures for us

SEZ (under sez Act 2005) Defn Delineated duty-free enclares > purpose of trade opp., facilitating FDI, exports etc. > Benefits Export promotion (goods + services)

Adamestic & foreign investment world-class infra & facilities > simplified procedures for dev., op., maintenance single window clearance -> state & central gov. Modalities -> Simplified compliance of documentation (emphasis on self-certification) Any put, foreign, central, state grand.
agency can set up Goods & services
from Domestic > Treated > Zerco-reated
from Domestic > as > under
Tariff Area to SEZ expost

GST (so input wost I for production in SEZ) 7100%. IT exemption on expostincome for 1st 5 yrs, 50% for next 5 yrs, 50% of ploughed back expost profit for next 5 > Single window dearance Duty-free (zero-rated) procurement of groods & services from DTA (for ops-4) Infra dev. Suppost (eg. 91F T 1FSC) -> Additional : GIFT IFSC, 11BX etc.

a Unutilized land in SEZ due to lack of dexibility in land utilization > Multiple eco zones: SEZ, CEZ, Industrial (corridors, Food Pources, -> Challenges Not synergistic 2 MMLPB, Textile Parks > Domestic sales in SEZ face double-whammy () custom duty > Lack of consistent govs. support (flip-flaps on tax exemptions)
MAT introduction Kand acquisition issues + poor infrat delays in reg. clearances (env.) > Competition from 3228 in china, vietnam, Indonesia, etc. that provide additional incentives Phillippines like Cabour law dilution > Too much facus on services like 17 than manufacturing + treating SEZ, as real estate commercial zone than industrial zones I alobal eep situation since 2008 hagnit been very conducive to SEZs 7 SEZ8 have not lived upto the hype in India (don't be too-ve intone) >conclusions -> Mass industrialization everywhere all at once impossible → SEZ & >> Industrial hubs in certain areas GIFT Ancillary industrialization in rest > SEZ(Amendmeny) 1FSC has bright ACT > Improved operational flexibility future 2023

Logistics Sector



As per the National Logistics Policy, 2022, "Logistics means transportation & handling of goods between points of production and consumption, storage, value addition and allied services."

- Growth: logistics industry accounts for 13-14% of GDP (as per Economic **Survey 2021)**
- Logistics Costs: Equals to 14-18% of GDP against the global benchmark of 8% (as per Economic Survey 2022-23)

Challenges of Logistics Sector in India

Inadequate Complex regulatory High transportation costs

> infrastructure frameworks

Inefficient warehousing Fragmented supply Skill shortages

chains

Government Initiatives



POLICY REFORMS National Logistics Policy Increased allocation in budget

REFORMS

- GST
- e-Sanchit
- Single Window Interface for Trade (SWIFT)
- Indian Customs **Electronic Data** Interchange Gateway (ICEGATE)
- Turant Customs

REFORMS

- UDAN
- Bharatmala
- Sagarmala
- Parvatamala
- National Rail Plan
- Kisan rails

MONITORING

- Logistics Ease **Across Different** States (LEADS)
- World Bank Logistics Performance Index