# **CURRENT AFFAIRS FOR MAINS 2022**

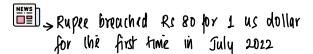
[Part 2]



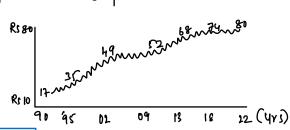


### DEPRECIATION OF RUPEE -

CA - 0728







### EXCHANGE RATE

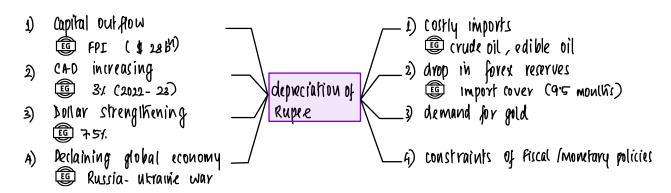
- > No of Rupes required to buy 1 dollar
- > Depreciation decreasing value of Ruple
  vu-a-vis dollar
- -> Appreciation Increasing value of Ruple vis-a-vis dollar
- > REFR Real Ejective Exchange Rate

  4 weighted aug value in relation

  to a basket of currencies of its major

  tvading partners

### # IMPACT



Positive Impact on export

Le theoretically benefits exports -> but it depends on global economic outlook

# STEPS TAKEN

- 1) measures by the RBI
- 2) Trade Selllement in Rupee
- 2) @ India-Russia trade
- a) Norms relaxation on NRE Accounts
- 5) Hiked duty on Gold



### \$5 TRILLION ECONOMY



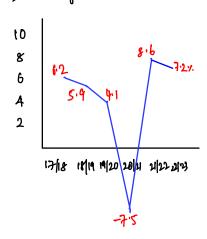
🛅 Centre & States should work together as team India' to make India a \$5 trillion economy'



India must spend \$1.4 trillion to be a \$5 trillion economy by 2014-25 - Economic survey 2021-22.

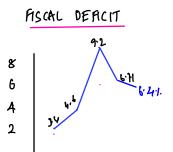
### STATUS OF THE ECONOMY - DATAS

presently \$3.3 trillion economy 2) GDP growth rate



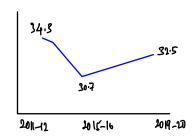
RBI - GDP growlh estimate at 7.2% (2022-23)

### 5) DEFICIT



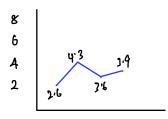
18/19 19/20 20/11 21/22 21/23

#### INVESTMENT Ŧ)

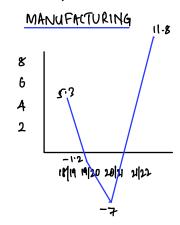


# SECTORS

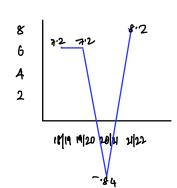
### AGRICU LTURE



18/19 19/20 20/11 11/22



### SERVILE



- 7) Inflation
- currency CAD

discussed separatly



### CONTRIBUTING FACTORS

1) GONOMIC

G economic vevival

La centre govt measures

Ly increase in capex (Budget)

L PLI, Disinvestment Pargets

Ly GST reforms

L RBI Steps

1, monetary policy - highlening

4 trade in Rupees

2) POLITICAL

L, political stability & effective leadership

13 energy from Russia

3) SOCIAL

4 demographic dividend

4) TECHNOLOGICAL

4 grg economy

L Alk industrial revolution

L GCC

Li start up ecosystem

5) GLOBAL

L) China +1 Strategy

is friend shoring @ IPEF

### STRATEGY

-> Barbell strategy (Gonomic Survey)

> Budget priority areas

### PRIORIMES

1. PM Gati shakti

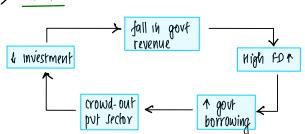
2. Inclusive Dupt

3. Productivity enhancement & mvestment, sunnix opportunities energy transition & climate action

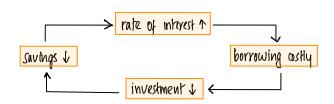
4. Anancing investments

# CONCERNS - 5 vicions cycle

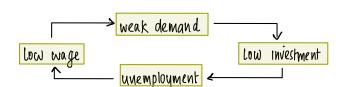
1) Fiscal



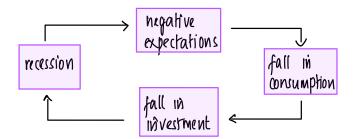
2) Financial



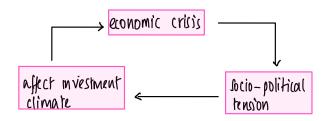
3) Mage



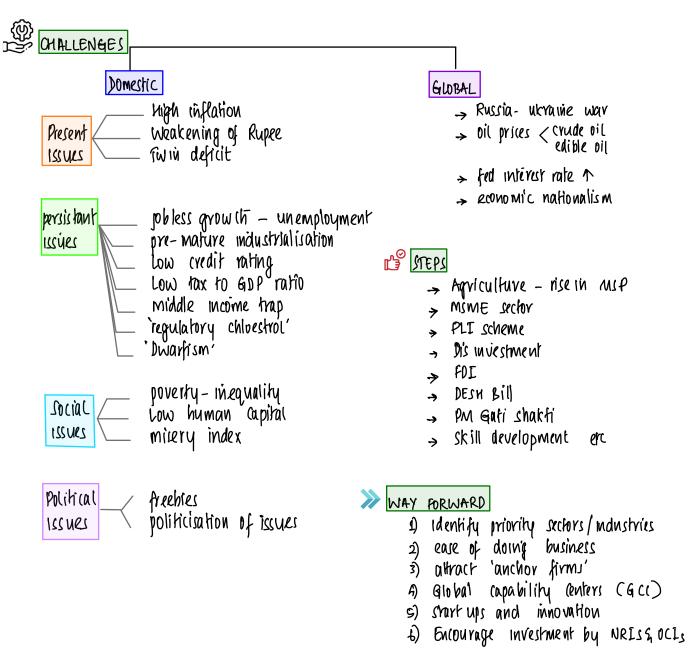
4) Psychological



5) socio - political









→ Japan- Abenomic





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- NITI Aayog recommended 'Gender Budgeting Act'

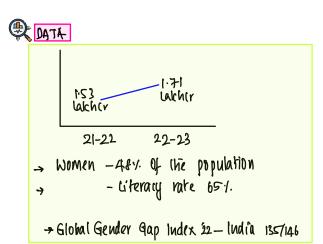
### CONSTITUTION

Article 14, 15,16,39

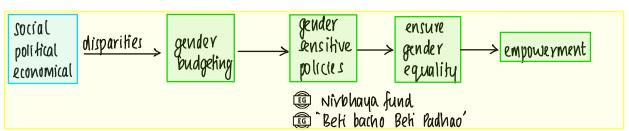
### 🙎 GENDER BUDGETING

- financing for gunder equality

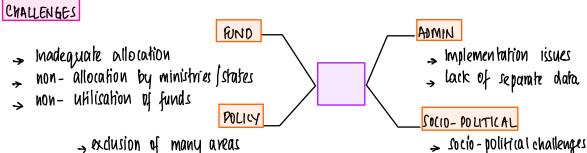
gender sensitive formulation of → Includes legislations, resource allocation, implementation and impact assessment



### IMPORTANCE



- KEY AREAS
- Education & Skills development
- Economic participation
- leadership & democratic participation
- gender based violence & access to justice
- 5) poverty reduction, health & well being



- no prioritisation
- NITI FAYDG -DMED SUGGESTIONS
- mainstreaming GB
- more fund allocation
- Finalize National Policy for women'
- Improve social acceptance of hansfunders
- Gender dis appregrated dara

- 1 GUBAL Canada, Sweden
- SDG 1 No poverty SDG 2 zero hunger work & economic growlt SDG 10 - Reducing inequality



### GIG ECONOMY

4

1) Social ecurity

# ISSUES

CONSTITUTION

DPSP -

free lance work

platform economy

on demand task based

- Code on social security 2020 announced by the

centre to deal with social security of unorganised workers, gig workers, platform

workers. But it is yet to take effect

Article 38, Article 39

Economy

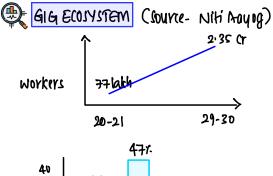
> NM Gayog report \_

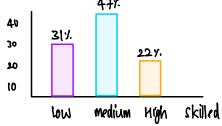
India's booming gig & platform economy

# GIG ECONOMY

Each piece of work is like an individual 'gig', so the gig workers are normally paid per piece

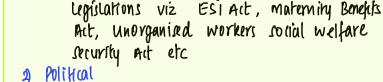
> Gy: uber, ola, Swiggy, zomato etc





- global Gig economy Index - India among the top 10.

# - they demand coverage under various



> violation of their nights under particle 21 and non recognition of them Art 14 and Art 23

- App based service providers argue chat chere is no employment contract

### Econd my

- winformalisation of economy
- -> Migh dependence on platforms

### (XXX)

### DOS ITIVES

- Job creation non-farm
- 2) flexi bi lity
- consumer benefils
- Demography of India
- Innovation

# 

- 1) Platform to provide social security
- 2) Create a social security fund
- 3) Ascal incentives to platforms with high opportunities for women & PWDs
- 4) Gout create 'platform initratives' and carry out survey and census

### CHALLENGES

- Digital divide
- 2) low social protection (case in sc)
- labour rights no fritvance redussal
- no proper regulation
- johs created majorly in urban centres
- labour market polavisation

ursc de claved uber drivers as workers a not independent contractors, entitling chem to social security benefits



SDG 1 - No poverty SDG2 zero hunger

work & economic growlt Decent

SDG 10 - Reducing inequality

1050 Dissolved IN 2014

-> FYP formulation & implementation

Providing finance to the states





### NITI AAYDG

> NITI Aayog governing council meet

Planning commission was a master of resources but not a master of ideas"

PLANNIG COMMISSION

> esthd in



### NITI AAYOG

National Institute for Transforming India L) Estbd in 2015

### > FUNCTIONS

- -> Policy & programme frame work
- -> cooperative & competitive fideralism
- > monitoring & evaluation
- Think Tank, knowledge & Innovation Mub
- STRUCTURE
  - ے PM- Chairmau
  - Governing council (M) + LG;

IMPORTANCE

- 1) Think Tank of the govt.
- 2) Foster innovation
  - @ lunovation Index
- Expert and Cateral entrants
  - That innovation Mission
- 4) Policy Shaping @ Electric vehicles, POSHAN Abhiyaan
- 5) cooperative & competitive federalism
  - @ SDG Index, EDDB Index

### # CHALLENGES

- Financial
  - no financial powers
- Investment
  - is no role to increase pub/put investment
- Think fank
  - Lack of Constructive Criticism
  - Mandate & Wide & Vague
- social advancement - no social role



### SUGGESTIONS

→ fr. FC Chairman Vilay kelkar recommended that NiTI Layof should have been allowed to retain Some resources?





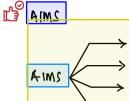
CA - 0802



- Scheme for recruiting Agniveers across 3 services

### **JCHEME**

- 🗻 Pan India recruitment
- 4 year tenure; with 6 months basic training
- > After 4 yrs, 25% agriveers will be selected for regular course for another 15 yrs
- > 75% will be demobilised with 'Seva nidhi' exit package of Rs 11.71 takh & Skill certificates
- > No pension or gratuity
- , Aboon youlks in 2022 of 17.5 to 21 yrs age



slash salary/pension bills of deknie tech sovy youth for future workforce reduce avy age of solidiers ensure nation building through disciplined yoult



### POSITIVES

- > service
  - → younger force future ready
  - money for R&D & procurement of defence
- → Economy
  - -, reduce the shlary pension bills Ly reduce revenue deficit
  - -> skilled workforce employability
- > Society
  - nation building chrough disciplined youth



#### CRITICISM

- > No pilot project to test the scheme
- will dilute professionalism, military elhou
- wisk averse looking for second career
- de mobilisation of trained solidiers
- psychological impacts



### GLOBAL

- similar scheme in usa, urael etc

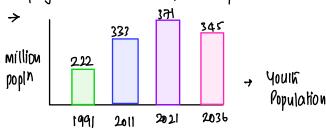


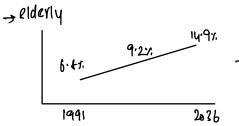
# DEMOGRAPHIC DIVIDEND

Youlu in India report 2022 (MOSPI)

### DEMOGRAPHIC DIVIDEND

ATAC 🔮 Youlh in India report 2022 > Proportion of population aged 4/15 is projected to decline & elderly is to increase It refers to the rise in the economic growlin due to rising share of working age people population

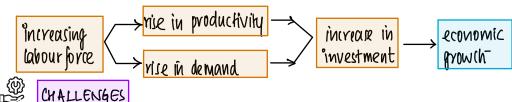




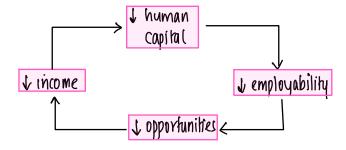
Proportion of elderly ivi total poplo

Bihar, UP. MH, MP, RJ - projected to >52% country's youlh

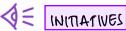
### DEMOGRAPHIC DIVIDEND & ECO GROWTH



> lower human capital



- intergenerational inequalities
- -> OCHEY
  - de-industrialisation
  - de-globalisation
  - disparities regional
  - 415 industrial revolution
  - low investment in social infrastructure
  - tack of 'skill wage premium'
  - free bles populism



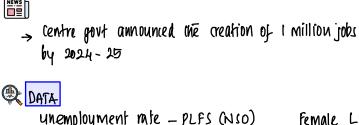
- Agmipally scheme
- `skiil ındia'
- labour codes
- Recognition of prior learning
- SATH programme
- New Education Policy
- GIT ECONOMY
- start up India
- MIME YGOYMI
- PLI, DESH





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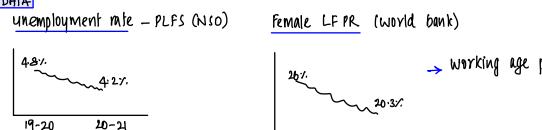




SDG -5 gender equality

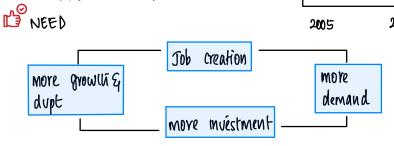
Decent work & economic growin SDG-8

Reduced inequalities SD4-10



2005

working age population (15-59) ~ 66% (2018)



#### EMPT GENERATION 5 ASPECTS



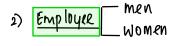
gout not a major empt generator

Olher issues

bata collection unintended consequences of policies @ maternity benefits act reduction in menrega allocation

no proper gender budgeting

freebies - populism demand for reservation

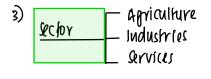


falling FLFPR

migration

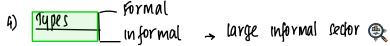
fluman capital 1 low skill gender mequality @ "discouraged workers

2019



jobless growth @ Service sector led growth pre-mature de in dustrialisation

covid - lock down 😉 K shaped recovery, travel & fourism etc

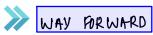


ur ban 5) Region Rural



### SANUTION

- Agnipalli
- , increase in Capex
- > Afma air bhar Bharat Abhiyaan
- 🗻 National Infrastructure Pipeline
- , MGNREGA
- . PM SVA Nidhi
- , Schemes for momes, Textiles
- \_ PLI scheme
- 🗻 Skill development
- . DESH bill etc



- > Economic Survey 2017
  - -, labour intensive manufacturing Textiles, leather
- . Economic survey 2019
  - > 'Network products'

`Assemble in India for the world`

- , NITI Aayog ' Strategy for New India @ 75
  - improve data collection
  - -, encourage formalisation
- .. IPEF friend shoring China +1, GCC



### POPULATION

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 $\Rightarrow$  India to surpass china to become World's most populous contry by 2023

🔎 India – 2% World's land area 175. world's population

ATAD

world population Prospects Report by UN days India is projected to surpass china iú 2023

YEAR	MOIA	(HINA
2012 2050	1.412 bh	1.426 bh 1.317 bh

- World population 9.7 5 m 2050
- India achieved Replacement level Fertility Rate of 21 (MONFW)
- ex ratio 940/1000 (2011 census)
- literacy levels male 82%. Female 65%

### CAUSES

- Decline in = population 1 K ( g/v dealth rate binth rate
- Ly lack of population education family planning,

early marriages > tonger child bearing age

contraception

poverty -> economic necessity of more working hands

# CHALLENGES

- Poverty and inequality bare necessities index
- Disquised unemployment
- food ressential shortages
- migration
- unplanned urbanisation
- pressure on physical & social infrastructure
- envivonmental degradation
- increasing dependency ratio elderly, children
- gender inequality lower sex ratio at birth

### BENEFISS

- -> Human capital eco contribution
- 🗻 Competition Innovation
- > large market economics of scale

### FAMILY PLANNING 2030 VISION

strategies to cover - priority areas

- is reenage child bearing
- L, lack of use spacess to contraceptives
- Ly lack of male participation in awayeness programmes



### WAY FORWARD

education > Dopulation





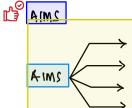
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### POSITIVES

- > service
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#### CRITICISM

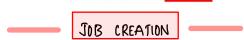
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- -> psychological impacts



### GLOBAL

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> centre govt announced the creation of 1 million jobs

#

SDG-5 gender equality

SDG-8 Decent work & economic growin

SD4-10 Reduced inequalities



unemployment rate - PLFS (NSO)

female LFPR (world bank)

4 27. 19-20 20-21 NEED

20.3%

working age population (15-59)  $\approx 66\%$  (2018)

more growling dupt

more demand

creation

Job

### FMPT GENERATION - 5 AS PECTS

D Employer Pub

-> gout not a major empt generator

> Other issues

> bata collection
> unintended consequences of policies @ maternity benefits act
> reduction in menices a allocation
> no proper gender budgeting

> freebies - populism > demand for reservation

2) Employee \_ men women

falling FLFPR

-> migration

2) <u>Lector</u> Agriculture undustries Qrvices

jobless growth

Estrice sector led growth

pre-mature de in dustrialisation

impact of covid - lock down @ K shaped recovery,
travel & buvism etc

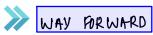
6) Types formal - large informal sector @

5) Region ur ban



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### MINIMUM SUPPORT PRICE

NEWS |

Centre constituted a Committee to examine how to make the MSP for crops more effective ine two planks of India's famine avoidance strategies are assured price and assured market - ms swaminalhan

### ms P

It is a `minimum price' for any crop that considers as remunerative for farmers and hence deserving of support

### OBJECTIVES

Protection from price drop for farmers food security incentivise desirable crop production

### @ CALCULATION

gout now fixes msp for 23 crops. Govt announces msp at the start of each cropping season based on some pre-fixed formulae. These variables are called A2, FL & C2

crops covered are cereals, pulses oilseeds, raw cotton, jute, copra etc

### SIGNIFI CANCE



### # ISSUES

### Gout side

- -> not legally bound to pay msp
- > Subsidy burden
- open evided procurement
- -> regional disparity in procurement

### Farmers side

- > demanding C2' for calculation
- > legalisation of misp

### ELONDMY

- > market distortion
- food inflation

### Environmental

- distorted cropping pattern
- Soil health

### # LEGALISATION OF MIP - CHALLENGES

- > heavy subsidy burden on Govt
- > assured purchase
- -> mandahry coverage of all crops
- surplus production

### Sugaestions

- r ms swaminalhan committee msp@50% profit above the cost of production
- 2 Shantakumar committee revisit msp policy

### > WAY BRWARD

- -, decentralised procure ment
- > Price stabilization schemes
  - Price Deficiency payment PM AASHA
- > Incentivise (rop diversification
- > Promote tech and investment in Appriculture



#### NATIONAL MISSION ON EDIBLE DILS - OIL PALM

Huge edible oil imports could compromise India's interest - report by Care Edge?

### NMED-OP

GOVY announced in 2021

make India Self Sufficient

raise oil palm cultivation to 1 mha by 25-26 & 1.7/1.8 mha by 29-30

financial assistance to oil palm farmers

focu areas - north east, AEN islands

### 🗐 PALM DIL

> Edible vegitable oil derived from the fruit of oil-palm trees. The oil is versatile and used in the production of defergents, cosmetics, plastics and

- most consumed veg oil in India

lts native to Africa

### SIGNIFICANCE

- address demand supply mismatch

reduce import dependency

🗻 food security and nutrition

land efficiency 📵 4-10 times output per unit of land compared to sour sunflower, mustard etc

- Suitable climatic conditions

> increasing farmers income - employment

### JAST MISSIONS

- integrated scheme of oil seeds, Pulses oil-palm and maize ( up pom)

- oil-palm Avea Expansion (opa=)

- National mission on oil seeds and oil- Pacm (MMOOP)

### # CHALLENGES

1) Enut concerns

- its an exotic species

- deforestation and bio diversity loss

- global warming

- Water stress

2) fammers

→ long gestation crop

> benefit to rich farmers

Previous experiments

- abandoned a previous altempt in ASN

💪 bio diversity lou' of Indonesia, Malaysia

→ Sri Lanka stopped

- neglect of unconventional sources @ rice byan, collon seeds

> not enough seed nurseries in India

5) REPORT BY CAREEDYE

geopolifical crisis 📵 Russia-Ukyanne war

import restrictions by major edible oil producing countries

increasing diversition towards bio-fuels

### WAY FORWARD

Proper cand we planning and implementing fine scale local strategies for palmoil Cultivation

> R&D to increase the yield and oil content in mustard and groundnut

- Focus on sources like rice bran oil

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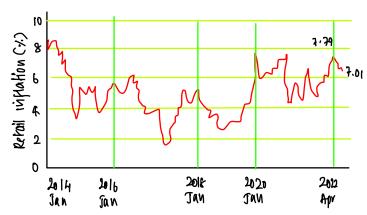


### PRICES & INFLATION



> Retail inflation in June 2022 - 7.01%.

### TRENDS



### INFLATION

Refers to a general rise in the level of prices throughout By comparing price levels between different periods we can measure the rate of inflation inflation is measured by CPI & WPI

### CAUSES

#### DEMAND PULL INFLATION

> impact of covid > expansionary fiscal and monetary policies

@ lockdown' and pentup demand

- demand shock

### 2) COST PUSH INFLATION

\$\frac{1}{2} - oi(' issue > imported inflation

- supply chain disruption (hips

increase in food prices @ Seasonality (Tomato, Onlon)

### OTHER USUES

- CPI headline us core
- CPI US WPI
- Rural uls uyban
- Domestic VIS Global

# MPLICATIONS

#### BOSITIVE



### # CONCERNS

- \_ Yaxon poor'
- weakening of Ruple
- Worsen BOT
- ightarrow rising input costs
- inflation expectations
- uncertainty & lack of investment
- stag flation,
- > `shrinkflah'on'
- fall in credit nating

#### K) STEPS

- RBI Policies Inflation largeting
- raising reporates - Centre govt reduction of excite duties
- on diesel & petrol

# WAY FORWARD

- Agriculture
  - \_ Changing production pattern
  - Import policy
  - storage & transportation
- GST rationalisation
- PM 6 ATI SHAKÎI
- increasing labour productivity
- Trade policy
- Ahma nir bhar Bharat

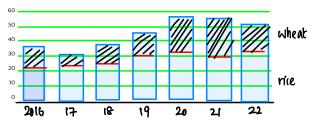


### BUFFER STOCKS & FOOD SECURITY



> Depletion of wheat buffer stocks





Graphs: Food grains in stock in central pool (mmt)

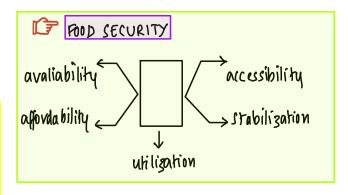


# BUFFER STOCK

- Gout maintains buffer stock for essential commodifies like rice, wheat, pulses etc

#### OBJECTIVES

- > to provide food security (hrough the PDS
- ensure price stability keep food inflation low
- against unforceen situations





#### WORKING

- operational stocks for PDS & other welfare schemes
- food security stock reserves for meeting shortfalls 1> procurement by FCI & State gout agencies Ly Stores in warehouses, cwc, state & put agencies
  - @mandatory buffer stock (wheat) 7.6 mmT



### Positives

- food Subsidy program
- Food security & prevent hunger
- Surplus food grains usage during 'covid'

#### CHALLENGES

- geopolitical crisis > demand for Linery boof
  - farmers selling to put traders

depletion of buffer stock

- continuation of the free grain scheme
- food inflation
- WTO & public stockholding issues
- Procurement Issues 😇 FCI





### GOOD CORPORATION OF INDIA

### FCI

- Set up under FCA, 1964

> for procurement and stocking of food grains

Distribution (hrough PDS Maintenance of buffer stocks

### # CRITICISMS

- open ended procurement policy
- Govt increasing subsidy burden
- Increasing debt of pct
- operational in officiencies
- poor storage facilities and wastage
- Siphoning off from FCI godowns Lack of pro active liquidation policy
- FIFD melhod

### ACHIEVE MENTS

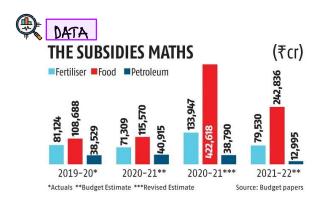
- PDS and food security lifetime to starving people
- hod procurement and distribution during ovid

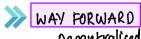
### 

- i) Hand over procurement activities to states that developed capability and infra & support farmers of eastern regions
- Allow but Jector participation
- use of NWRs
- revisif msp Policy
- transparent liquidation policy

### STEPS

- PM AASHA -to ensure that farmers growing oil reeds, pulses & copra actually get benefit ihrougu
- i) Price support scheme
- Price Deficiency payment
- Procurement and Stockist Scheme





🗻 Decentralised pvocuvement



#### NATURAL FARMING

NEWS ->

Natural furming conclave organised at surat, Guirat

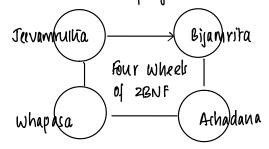
- Gout set up a committee to promote

VATURAL FARMING

Farming practice that believes in the natural growth of crops willhout adding any fertilizer and pesticides or any other foreign elements

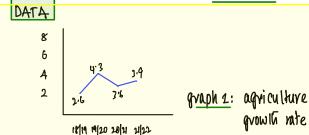
ZERD BUDGET NATURAL FARMING

> promoted Invough Bharatiya Prakritik Krishi Puddhati programme CBPKP)



The basis of progress and spreed of the country is the spirit of Sabka Prayas?

\_ PM Modi



Agriculture - 16% GOP

- > AUG GYOWLT rate from 1960; 2.8%
- > 52% of agriculture rainfed
- Silimate change could reduce annual agricultural income by 15-20% on an avg 8 20-25% in unirifated areas (Economic Survey 2019)



PROS & CONS

#### PROS

→ locally available inputs

→ reduce the input cost

> sustainable agricultural practice
> restore ecosystem heally
> reduce water consumption

- climate resilient crops

#### CONS

Need scientific validation intrough multi-location studies — NITI Aayog experts

- noted Wat yields start dropping after few years

> ZBNF is not really 'zero input

# YOUR 32A)

→ Sri Lankan eco crisis → banning of chemical fertilizers

### # CHALLENGES

- 1) monsoon dependence
- 2) climate resilience issues L extreme wealing events
  - 🖲 heat wave fall in wheat production
- 3) ferfilizers over use
  - \_ skewed use
- 4) water street @ water guzzling crops (rice, wheat)
- 5) mono cropping

### **>>**

OTHER METHODS

- > Dreanic farming
- Precision farming
- Integrated farming
- → agroforestry



# INFRA STRUCTRE

NEWS

fransforming Indía's infrastructure through `PM Gati shakti'

# DATA

- → Effective Capex Rs 10.6 L cr (Budget 22-23)
- logistics cost in India 14-16/10/ GDP
- NIP RS 111 Lakh Cr
- NMP RS & lakh ly

### # ISSUES DUE TO WEAK INFRASTRUCTURE

- ) tower investment -> tower economic growin
- 2) higher logistics cost > high transaction cost
- 3) effect on various sectors appriculture, industries, services
- 4) démographic change working age population
- 5) demands of urbanisation
- 6) dimate résilient infrastructure
- 7) fullfilling the sDq-9

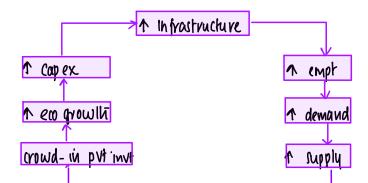


Diagram: virtuous eycle of better infrastructure

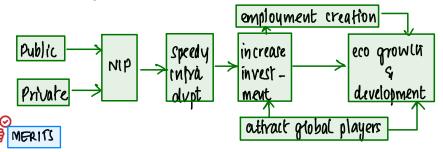
### # CHALLENGES OF INFRA SECTOR

- i) capital intensive
- 2) Long gestation projects
- 3) Project expertise
- 4) construction and orm risks
- s) pilure of PPP models
- 6) land againstion / enut clearance
- 7) enut uls development debate

### NATIONAL INFRASTRUCTRE PIPELING

### # NIP

→ It consists of projects will an allocation of Rs III lake crores during the years from 2020 - 2025. It includes economic and social infra projects vajor sectors are energy (24x), roads (18%) urban (17%) rai(ways (12%) esc. The funding ratio — Centre (≥9%): States (40%): Put sector (21%)



### Econ omy

- D economic slowdown > counter cyclical policy
- 2) reduce logistics cost -> rincrease competence
- 3) comprise connectivity -> development of hinterland Govt
- D increased eco activity > improve revenue base
- 2) productive asset base

#### Put sector

- i) investor confidence
- 2) prepared projects

#### Banking sector

- D less stress due to active project monitoring common man
- ) jub creation -> ease of living > inclusive growing



### # NMD

#### NATIONAL MONETISATION PIPELINE

limited period transfer of gout assets to unlock "Idle capital" to the put parties in return of an appront money

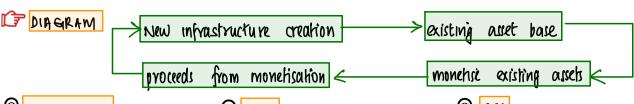
### FE ATURES

- i) leasing out assets valued @ Rs 6 Lakh crove
- 2) ownership will remain with the gout
- brownfield projects 3) lease out
- a) major sectors Road (27%), mil (25%) Power (15%), also include selecom, aviation, stadiums, warehousing etc
- 5) NMP will be cotemined with NIP (2024-25)



- D 70T Toll operate Transfer
- Invits infrastructure investment Trusts
- REITS Real estate investment Trusti





### @ WHY NMP?

- → fiscal resource for govt
- infrastructure creation
- > de-risking put sector

### MW Q

- D Put sector involved in osm
- 2) brown field projects
- 3) no construction risk
- 4) simpler process

### 9 ppp

- n put achor involved in B-O-1
- a greenfield & brownfield projects
- 3) construction & operation ruk
- 4) complex lot of usues & disputes

### CHALLENGES

#### GOVT SIDE

- D making the scheme attractive to put sector
- 3) concerns of chond copy to lism
- under valuation of a rets low bidding
- dispute resolution mechanisms

### WAY FORWARD

- Proper regulation D
- explore other options of raising money
- 劽 increase took complaince
- development financial institutions CDFI)

#### BUL RECIPE RIDE

- tack of identifiable revenue streams
- tariffs are regulated in some sectors
- policy uncertainties
- contract enforcements

#### OR COMMON MAN Prof Biswajit Dhar

- 'performing' us 'idle' acsets
- concerns of hike in userker'
- built by tax payers money + user fee
- stigmatised capitalism



### # PM GATI SHAKTI MASTER PLAN

It is a digital platform that connects 16 ministries viz road, rail, shipping etc. for holistic planning and execution of the infrastructure projects.

Várious economic zones will be covered to make Indian burnèss more competitive.

It will leverage technologies viz satellite mapping and data took for real time monitoring of the projects



- D cordination between ministries
- 2) Planning and obtaining cleavances
- 3) Prionitisation of projects
- 4) Centralised tracking of projects
- s) Boost last mile connectivity
- 6) Reduce logistics cost

Economic survey - suggested active centre-state participation in Infra projects



#### MICRO, SMALL & MEDIUM ENTERPRISES (WME)

NEWS

> Centre gout considering an msmE code for streamlining all rules & regulations

### DEFINITION

- Amendment to MIMED Act 2006 Cor both manufacturing & services)
- 1. Micro 1 CY (Invest) Scr (turnover)
- ; 5-50 (Y 2. Small - 1-10 Cr
- Medium 10-50 (r ; 50-250 (r

#### DATA

contribute - 30% of GDP

- 40% of exports

empt 11.10 Croye

76% male ; 24%, fimale

Economic survey 21-22 - 95% of mome Udyam portal are 'micro'

### SIGNIFICANCE

- backbone of Indian economy @ GDP, exports, empt
- higher labour to capital ratio

growth engine

### # CHALLENGES

formal credit capilal capital intensity rising non-release of payments to momes

skilled workforce Labour Cocial security

Rawmaterials - non-availability

Technology - transformation

Compex laws, envictarance GIT - input lon credit

marker access Competition from other countries

### STEPS (S)

- PM Mudra Yojana Collateral Free loans
- Emergency credit line Guarantee Scheme CECLGS) to mitigate the distress faced by the MSMES
- Equity infusion of Rs 50,000 (r to enhance the capacity and to encourage them no get listed
- udyam portal for meme registration TREDS - for immediate money

- D sunset clause for size based incentives
- Access to credit for young firms
- focus sectors like Tourism high spillover effects



#### ANIMAL HULBANDRY

Focus on animal husbandry, food processing and agriculture modernisation to become self-sufficient & global leader in agriculture - PM (NITI Layog Gc)

### # SIGNIFICANCE

- 1) Economic security
  - > income for farmers
  - agricultúral use @ bullocks
- 1) ECONDMY
  - major producer of milk, egg, ment
  - > leather industry
  - -> empt for rural women
- 3) Environment
  - > manure animal waste
  - -> Indigenous variety conservation
- 4) Social security
  - insurance against disasters

    meet financial emergency
- 9) <u>Mutritional sécuri</u>ty
  - -> proteins from milk, egg, meat

### # CHALLENGES

- > unorganised sector
- → gaps in forward backward linkages
- lower quality of live stocks
  - ® 80% bovinies are low on productivity reared by small & marginal farmers
- > infrastructure deficiencies
  - Chilling inhastructure for diarks
- > tow awareness about indigenous breeds
- -, spread of animal diseases
- shortage of veterinarian
- contribution to global warming

# WAY FORWARD

- → RS O
- > Quality of breeds & fodder
- , effective marketing

# BEST PRACTICES

- Amul model

### **DATA**

- -> Livestock census 2019 Foral livestock population showed an increase of 46% over previous census
- > it shows a decline in indigenous castle population
- India & worlds largest milk producer
- > live stock sector contributes 4% of apricultural GDP

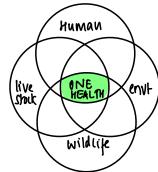
### **STEPS**

- D Rashfriya Gokul Mission

  -> Conservation of indigenous breeds
- 2) National livestock Mission to ensure qualitative & quantitative imp. in livestock production & capacity building of stakeholders
- 3) National Animal Disease Control
  Programme By Prop S. Brucellosis
- Programme For Fmb & Brucellosis

  4) Animal Husbandry Infrastructure
  Development Fund (An1DF) To Support
  put investment in diary processing,
  where addition & attention in the feed infrastructure
- 5) e-Gopala \_ comprehensive breed improvement market place and information portal

# DNE HEALTH INDIA



- > Dpt of animal husbandry launched 'one health' pilot project in ultarakhand
- > so achieve one health through technology and finance
- → The bridge between human and wildlife health are domesticated animals, which are the carriers of a lot of disease



### BUDGET PIRIORITIES

### PAU GATI SHAKTI

#### ISSVES

- > lack of coordination
- no prioritisation of projects
- -> Cost and time over runs
- > project clearance
- -, Lack of multimodal connectivity
- > high lightshics cost > products not competant

- National master Plan for world class infrastructure and logistics syntrogy
- > COVERS 7 SECROS
- Digital Platform 6 pillars
- -> connects lb ministries

### ULIP CUNIFIED LOgistics interface Platform)

> Integrate 24 logistics systems aiross
6 ministries and DDYs to provide
real time data and for efficient movement
of goods chrough different modes

> multimodal logistics" Park in PPP mode

### RAIL

#### ISSVES

- > Low market access
- supply chain issues

### one station one Product

- > 90 promote supply chain of local products wing the railways and making each railway station a promotional hub
- > Train accidents



KAVACH Technology

-> Automatic Traiù Protection System

### PARVATMAZA

#### ISSVES

- > hilly areas
- -> environmental sustainability
- connectivity
- → tourism opportunities

### Parvatma1a

- -> Noutional Ropeways bypt Program
- -> Nodal ministry MORTH



#### INCLUSIVE DEVELOPMENT

#### AGRICULTURE

#### ISSVES

- -> Soil degradation
- environmental issues
- > inefficient water use
- high input cost
- > Perfilizer subsidy 1

### -> Chemical free natural farming

- -> 5KM wide corridor along the Ganga
- > zero ludget Natural Farming
- Pavamparagat Krishi Vikas Yojana
- > Bhartiya Prakrifik Krishi Padhafi

#### ISSVES

- > malnutrition
- > water inefficiency
- climate change
- LOW AWAYNESS

- > focus on Millet products
  - > post harvest value addition
  - enhance domestic consumption
  - , branding miller products
- -> 2022-23 international year of millets

#### ISSVES

- -> cow technology adoption
- LOW MECHANISAHON

# .

### > KISAN DYONES

- -> crop assessment
- spray injecticides & nutrients
- → diginize land records
- -> Sub- Mission on Agriculture Mechanisation (SMAM)
  - increasing reach of farm mechanisation to small and marginal farmers

### MSME

#### ISSVES

- > registration of new firms
- un organised workers
- Job opportunities



- UDYAM POYPAL >
- > MO MIME
  - s for registration of new firms
- E-Shram Porhil > Mo Labour
  - National livel database of unorganised workers
- NC -> mo tabour
  - → Job porral → Mo Skill Development

ISSVES

> euhance performance



- RAMP (Raising & Accelerating MSME Performance)
  - to enhance the overall productivity

ASCEM



### SKILL DVPMT

#### ISSVES

- > Skilling
- reach



- > DESH Stack e-portal
  - -> prgital Goystem for skilling and livelihood

### EDUCATION

#### ISSVES

- > online learning
- > 3 As



> PM eVIDHYA > One nation one digital platform'
and online education

#### MEALTH

#### ISSVES

- > 3As
- > digitalisation of records



- National Digital Health Mission - For integrated digital health infrastructure

- -> 4 key features: \_ neallot 10,
  - \_ personal heally records
  - Aight do chor
  - health facility regristry

#### ISSVES

- > malnutrition
- > Women empowerment



- → Mission shakti –
- unified citizen centric life cycle Support for women , subcomponents are sambal, samaritiya
- Mission varsalya Create healthy and happy
- child hood

  -> Poshan 2.0 Integrated nutrition support siteme
- → <u>Saksham Anganwadi</u> \_ upgradation of angunwadis with better infrastructure

### INDRTH EAST REGION

### ISSVES

- infrastructure
- Livelihood activities



PM DevINE - Prime Ministers Development Initiative for North east

-> fund infrastructure and social development projects based on the fit needs of north-east region



#### PRODUCTIVITY ENHANCEMENT & INVESTMENT, SUNRUE OPPORTUNITIES, ENERGY TRANSITION CLIMATE ACTION AND

### BATTERY SWAPPING

### ISSVES reduce emission e-vehicle adoption inter-operability DEFENCE SECTOR ISSVES -> defence indigenisation & modernisation infrastructure

> Battery swapping policy

- user can swap a battery to keep vehicle running
- inter-operability stals uniformity &

### - perence Rap will be opened up for industry, startupe and academic

- Independent body will be strup for testing and artification requirements

### C-PACE

#### ISSVES

- exit challenges



c PACE - Centre for Processing Accelerated corporate exit - for voluntary winding up of companies

### AVEC

#### ISSVES

empt opportunities

emorping sector



AVGC - Animation, Visual effects, Gaming, Comics Task force of share holders that will recommend measures to stranging the development of the sector

### ULPIN

#### ISSVES

- no proper land records

> Cand dis putes



Unique Land Parcel Identification No. -States will be encouraged to adopt ULPIN to facilitate it based wanagement of records

### SEZ

#### ISSVES

> failure of SEZ Policy

> export promotion



changes to SEZ Act

### 5<del>4</del>

#### ISSVES

> self reliance

> exports



PLI scheme for 59

Production Linked incentive scheme



### RAILWAYS

- Centre Caunched startup for railways

> Budget 22-23 priorities

# CONSTRAINTS CNITI AQUOG -

strategy for New India @75)

congested networks

organisational structure – delays in decision making

infrastructural problems - tracks, terminals

neglected non fare revenues

high preignt tariffs (cross subsidisation)

Rail sakty

Poor quality of service



### PRIVATISATION

Railways sought participation from pvt, Psus, States

- India's biggest employer - around 14 takh

operating ratio: 98.36 ( cag report)

AIR largest network in the world

82% electrified

> 23 million passenger per day

#### STEPS

IRMS <del>></del>

Dynamic pricing model

Disinvestment of rail Psus, NMP

Adarsh Station Scheme

National Rail Plan 2030 **-**>

RO-RO model ->

Kisan rail

Vande Bhayat express

#### PROS

### 1) Railways

15 modernisation

b profit orientation

is technology adoption

L, competition by Efficiency

### 2) Economy

is fiscal prudence

infrastructure augmentation

passenger & freight in favour of rail

logistics sector improvement

### 3) Mussengers

L, more trains

Ly Improved Quality of Service

is improved safety

### CONS

#### Put players

4 No independent regulator

4 infrastructure deficiencies, congestions

L, No level playing field (Pub uls Put)

Neglect of remote areas, last mile connectivity

unbalanced regional growth

Not worked in other countries @ uk

### Socio – polifical

mass transport system

b fare rise

2201/101 ک

# BUDGET 22-23

, one station one product'

instegration of railways & post

Kavach for rail safety

### Bibek Debrou Committee

suggested liberalisation for entry of operators in railways New

### > WAY FORWARD (NIT Agyog)

completion of existing projects @ DFC

Asset monetisation

Rationalise fare Structure

Enhance mil sakty @ Kavacı

modernisation of railway stations

adoption is high speed trains sechuology



#### POWER SECTOR - DISCOMS



- The PM drew attention to Rs 2.5 Million world of dues of gencoms & discoms
- > Electricity (A) Bill 2022
- > Energy Conservation (4) Bill 2022

### ELECTRICITY

- -> electricity has an important role in removing poverty infrough supporting industrialisation
- -> Access to affordable, reliable, sustainable and modern energy is the sine qua non to soas



#### 1) Financial

- accumulated financial loss
- NPAs financial contagion
- -> cost & revenue gap
- -> reducing cost of renewables
- under proturement operational
- > Inefficiencies
- ATEC losses
- , jariff differentiation
- > mal- administration

#### Industries

- high fares
- > Quality & reliability
- > impair make in India

### <u>Environmental</u>

- → Pollution
- NOC targets

### Political

- > fraebies populism
- -> polificisation of the issues

### Gergy Security

- -> Lack of resources @ fossil fuel,
- import dependence lichium, uranium
- imported inflation

### Societal

- opportunity cost
- Inclusive development

### Energy equity



### DATA - MO POWEY (July 2022)

- > Total installed capacity 403 GW
  - POSSÍ FUEL 236 GW (58.5%)
    - Coal 204 GW (50'7)
  - -> Non fossil fuel 1676W (41.5%)
    - > RE (wind, solar & other) 1146W
    - > Hydro 11.6%
    - > Nuclear 1.7%
- > financial dues of power sector companies

  Rs 25 lakh crore
- > India 3rd largest importer of oil
  - imports 80% of its needs

### # ELECTRICITY (A) BILL 2022

- multiple distribution licensees in the same area
- Tanff fixing by the regulator
- → graded and fimely tariff revision
- > empower the central gout to prescribe the criteria for discoms
- upso applicable only to govt companies
- promote green energy

### POSITIVES

- Ly competition in rerail distribution of power
- Ly Choice for customers
- 4 avoid predatory pricing
- 4 discipline discome



### CONCERNS

- 4 indirect privatisation
- Ly opposition by farmers groups & workers in the power sector
- Ly power under concurrent list (state's opposition)
- Ly urban rural disparity
- 6 energy equity



### # REVAMPED DISTRIBUTION SECTOR SCHEME

#### SCHEME

- > Centrally sponsored scheme
- reforms based and result linked scheme
- outlay Rs 3-03 lakh ir over 5 years from 2021-22 MM
- improve quality, reliability & affordability of power supply to consumers (through hinancially suctainable and operationally efficient discoms
- -> reduce AT&C losses to 12-15%. & cost-revenue gap to zero by 2024 - 25

#### FEATURES

- > (mart metering
- Feeder segregation
- Convergence with PM KUSUM scheme

### # OTHER SCHEMES

- Saubhagya scheme - ruyal electrification

### # GNERGY CONSERVATION BILL 2012

- mandatory minimum we of non fostil sources
- Qlfing up' carbon trading 'markets' bringing large residential building under Ec

### WAY GRWARD

guergy occess Energy affordable therpy equity Energy security Energy diversification theray trunsformation





### SEZ - DESH

NEWS

> Domestic Enterprise & Service Hub ( DESH) Bill 2022 to overhaul sez

#### ATAI DATA

→ Share of SEZ export in India's total exports in 2021-22 is 19.8% ('Dot Commerce)

-> operational SEZ - 268

GIFT City, Gujirat

### **SEZ**

> estbd under the SEZ Act 2005 as designated the trade rules are liberalised areas where promote more exports

### **PEATURES**

- → GOUF SUPPOYT @ , Tax exemptions - Duty free exports
- > Net forex positive
- > Domestic Tariff Irea

### # CHALLENGES

#### POLICY ISSUES

- winconsistent with wio norms as export subsidics
- > policy changes @ mat introduction
- -> MICHISE OF JEZ POLICY

#### STRUCTURAL

- SMALL SEZ
- > Different modals
- regional disparifies
- ے Service Sector domination ہے

### FUNCTIONAL

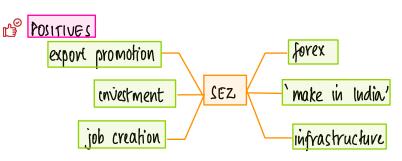
- > un utilised land
- > credit crynch
- -> dispute resolution

### COMPETITION

- > fough global competition
- > domestic sales restriction
- > location dis advantages

# SUELBESTIONS

Baba Kalyani Committee Convert SEZ into EEE \* Economic Empt Enclaves



### DESH BILL 2012

### key changes

### Domestic market

- -> Sell in the domestic area
- -> equalisation levy for sale in domestic market Forex clause
- > removed 'ner forex positive clause' **functional**
- wo compliance
- Partnership with states
- optimum 'utilisation of enclaves'
- Dirline single window

### POSITIVES

- Boost domestic manufacturing
- > 106 creation
- self reliance

### @GUBAL CASE STUDY

- 4 German Mittelstand companies
- 4 Chinese SEZ model

### WAY FORWARD

- 🗻 integration will Global value chain
- > 'Network products'
- Ease of doing business



### GENDER EQUALITY

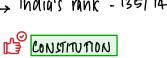
Global Gender Gap Index 2022

GENDER EQUALITY (UNICEF DEF) when people of all gender enjoy the same rights, resources, opportunities and protections

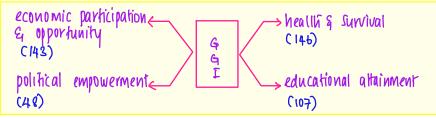
I measure the progress of a community by the degree of progress which women have achieved

→ Dr.B.R Ambedkar





MY 14, 15, 19, 21 etc



### # ISSUES

#### POLITICAL

- Ly LOW representation of women in Pt/LA
- 4 less women in political leadership
- 15 policy inertia

#### ECONOMIC

- 4 LOW FLFPR
- invisibilisation of women's work'
- gender wage gap
- b motherhood penalty?
- L work place safry
- is un intended concequences of policies @ Maternity benefits act 2017

#### EDUCATIONAL

- b lower literacy rate
- 13 3As of higher education
- 4 STEM education

#### HEALTH

- is ing women'
- L Maluutrition

### SOCIO- CULTURAL

- La Patriavchy
- L'Shadow pandemic
- 5 fime poverty
  - @Time we 'Survey (MOSPI)
- L, early marriage

#### rechno walcal

- Ly Cyber Crimes
- Ly Cancel culture

#### INDICES RELATED

4 accuracy is questioned

#### TRANSGENDER ISSUES

- social exclusion discrimination
- lack of opportunities
- violations, exploitations

# MITH ATIVES

### legislations

- Reservation in local bodies
- MTP Act, PCPNOT ACT
- PSHOWA 2013, PWDVA 2005
- Transgender persons Act 2019
- National Commission for women

### Executive

- 🗻 Gender budgeting
- 🗻 Shand up India
- -> She box
- -> women in combat forces

### JUDICIAL

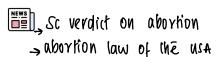
- > Triple falaq verdict
- > Vishaka guidelines
- NALSA (QUE
- -> Nautel Singh Johar code

### ( INTERNATIONAL

- L, SDG 5: Gender equality
- CEDAW CONVENTION ON the Elimination of All forms of Discrimination Against Women
- Beijing Declaration & Platform for Action
- 篇 International women's day theme (2021) gender equality today for sustainable



#### ABORTION LAW



# **ABORTION**

removal or expulsion of embrayo or foeful from the uterus, resulting in or caused by its dealt

## DATA/REPORTS

- , Lancet 2018 Study: 15.6 million abortions were accessed every year in India (2015)
- Shortage of Obstatrician gyna ecologists \_ 70% in rural India (moHFW)
  - 6110 of all unintended pregnancies end in induced abortion (who)

## MEDICAL PERMINATION OF PREGNANCY (4) ACT 2021

#### OBJECTIVE

- to expand the access to safe and legal abortion services

#### AMENDMENTS

1) Termination

>increase in upper gestation period from 20 to 24 weeks for special categories of women including survivors of rape

> opinion of one doctor (upto 20 weeks) two doctors (20-24 weeks) supper gestation period not applicable to substantial to Substantial foetal abnormalities diagnosed by a medical board

2) safe abortion irrespective of women's marital status

3) confidentiality dause- protect privacy

## Tr (July 2022)

SC held inat a women's right to reproductive choice is an inseparable part of her personal liberty u/A 21 of the constitution. She has a sucrosant right to bodily integrity

## # ISSUES

#### 1) Individual nights

- fails to recognise absolute reproductive autonomy @ Pultaswamy case
- 2) legal
  - → increase in upper limit is with conditions
  - > role of medical board & doctors
- 3) Judicial
  - 🗻 📵 LOWLY COUYT US SC VÍEW
- A) Health access
  - -> lack of access to safe abortion
  - information asymmetry
  - $\rightarrow$  unsafe abortion  $\rightarrow$  loss of life
- g eluical
  - → pro-life v pro-choice

- 6) Socio-cultural
  - → Societal haboo
  - > gender inequalities
  - → "Missing women"

#### UV AW MDIA

> The USA supreme court overturned the landmark Roe u wode judgement (1973) which gave women the right to abortion

>> SDG 5 Gender equality



#### MARITAL RAPE



> Differing verdicts by the HCs

## MARITAL RAPE

-> Non consensual sex in Which the perpetuator is the victims spouce

# LAW 🟯

- > Section 375 (IPC) defines the offence of rape
- → Section 375 (2) Says sexual intercourse will wife who is above 18 years would not amount to rape
- 3 Section 376 defines punishment for rape

## # ISSUES

- Against Constitution Art 14, 21
- Invisibilisation of the crime
- s Doctrine of coverture
- , Against the objective of Section 375 (IPC)
- \_ Judicial restraint
- > Afainst CEDAW

## IMP CASES

- 1) Independent Thought v uDI (1017)
  SC held that man will be punished for mape if he is found to be guilty of sexual intercourse will his minor wife
- 2) <u>I Pułtacwamy case (2017)</u> sc recognised night to privacy as a FR which include 'bodily autonomy'
- 3) Kerala HC (2021) Said marital rape is a valid ground for divorce

# © COUNTER VIEW

- > making it an offence affects'institutions of marriage
- -> Difficult to prove
- possibility of misure

## > Suffeethons

- Justice Verma Commission recommended to criminalise marital rape
- 2. Payliament should legislate and remove the Jection 375 (2) IPC



#### NEWS

#### LEGAL AGE FOR MARRIAGE

Prohibition of child marriage (amendment) 图 2021

## CHILD MARRIAGE

- Legally: marriage in which girl -below & boy - below 21 yrs

## # REASONS Social

- Social acceptance
- > Dowry practices
- > gender stereotyping Economic
- girls viewed as economic burden
- Lack of empt opportunities
- > Lack of awareness
- > Low women representation
- no proper implementation of the laws
- > LOOP HORS IN LAWS PCMA

# **IMPACT**

Child marriage - to poverty, mequality reduce eco. burden health concerns lack of edn & malnutrition empt opportunities

## **MENDMENT**

- 1. raised age 21 for female (same as male)
- 2. Child who has not completed 21 yrs
- 3. voidable period raised from 24x to Syx
- 4. applicable to all religious Communities

## RATIONALE

- 1. Constitunal goals gender parity 2. early marriage impact women's health malnutrition) (MMR, IMR,
- impact education and 3. larly marriage eco opportunities
- 4. better emotional development & maturity
- 5. prevent abuse of minors

# - If you educate a man, you aducate

an individual, but if you educate a women, you educate a family"

## # DATA

- Child marriage (NFHS-5) 27/2 (2015-16) 23 x. (2019-20)
- $\rightarrow$  UNICEF India is home to the largest no of child brides in the world
- > more prevalent in Bihar (464) West Bengal (41%) Raj (40%)

## PRESENT LAWS

- 1. Sharda Act, amended in 1978 and raised the marriage age from 15 to 18
- 2. Hindu marriage Act q° christain marriage Act - 18 (finale), 21 (male)
- 3. Muslims marriage of minor who has attained puberty is valid under the fersional law
- 4. Special marriage Act & PCMA 18821

## # PROHIBITION OF CHILD MARRIAGE (PCMA)

- 1. child 18 yrs (female) 21 (male)
- 2. Child marriage is voidable by eilher of the parkes
- 3. pay mainténance
- 4. punishment

## **OBJECTIVE**

- bring gender parity & ensure women empowerment

## IF PRESENT STATUS

> Bill referred to standing committee

## OPPOSITION

- 1. median age of 1st marriage for women 20 yrs
- 2 majority of early marriage occurs among deprived
- 3. more impact on rural women
- 4. Decrease depends upon socio-eco factors
- 5 age raise may increase parental authority
- 6 Women infantilization'
- interferes with personal laws
- 18 yrs to accepted for adulthood globally



## IMP JUDGEMENT

i. Seema Begam v State of Karnataka, no held (Tat no Indian citizen on the ground of belonging to any religion can claim immunity from the application of PCMA

## (ALE STUDIES

- > Khasi community meghalaya
- Rajaslhan Bill to allow regn of child marriages

#### GLOBAL

- -> France, Australia cases
- > Convention on the Elimination of all Forms of Discrimination against women (CEDAW)
- > SDG Target 5.3



## WAY FORWARD

#### Society

- awareness generation
- societal opposition to early marriage
- 🗻 decision making role for women

#### state

- > access to schools
- > skill training & eco opportunities
- address root cause poverty
- amendment to section 375 IPC (marital rape)
- > PLA be made null & void ab mitio
- Proper implementation of laws



#### HIGHER EDUCATION

forcism universities in India

, implementation of NEP

#### CONSTITUTION

- Article 21 A RTE
- Education in concurrent list

#### BENEFITS

Higher Education

employment development philidom ) and

## # GENERAL ISSUES

#### Academic

- Low envolment
- > quality employability

> faculty quality

- 🔔 Low R&D; research publications
- lack of STEM focus
- > Curriculum
- lack of international outreach
- Public vis put education
- > Edutech companies

## infrastructure

- -> lack of resources
- Lack of infrastructure
- Central vis state universifies
- > few seats, high fees
- > Migration to other countres @ ukraine

#### GIVEYNANCE

- Regulation
- -> political interference
- debates related to chancellor of universities
- lack of autonomy
- Corruption and mal-administration

#### Ranking

- > poor international ranking
- criticisms against NIRF ranking

## Social Justice

- > '3As'
- Exclusion
  - 13 poor, Scist, gender equality
- demographic dividend
- learning loss after covid
- 'HE' in local language

🥌 "There is no belter investment towards a society's future châu lite high quality education of our young people" \_ NEP 2020

## DATA

- -> over 255 million youth (15-25 age)
- AISHE (All India Juney on HE) (2019-20) 4 GER 27% (21.5%)
  - 4 Institutions of national imp to 135 (75)
  - 6 Ph D Students 2.03 lakh (1.17 Lakh)
  - is Total no of teachers Islakh (42:5% female)
- over 44 L students went abroad for HE M 2021 (US, Canada, UK) (by BOI)



## # SPECIFIC ISSUES

#### 1) NEET

- ے Equity in education
- Discrimination to state board students
- language bias
- Against autonomy to universities
- Pro-put schools and put coaching class
- one size fits all approach
- opposition by states @ TN

## FOREIGN UNIVERSITIES / FOL IN HE

- De-regulation of HE, Twinning initiative
- Pros
- > internationalisation of education >> global acceptability of courses
  - quality prestigious institutions
  - Competition
- > prevent brain drain CON
  - -> foretym capital forex
  - -> commercialisation
  - -> Massification of HE
- , proper regulation WA

#### MEP 2020 - HIGHER EDUCATION

- , Bur Year under graduate programme (FYUP)
- Multiple exit/ entry system (MEEs)
- Academic Bank of Credit
- foreign colleges in India
- > GER INCRUSE
- mphil to be all continued
- National Research Fund
- Restructure institutions

## # OTHER INITIATIVES

- HECI , HEFA
- Digital university (Budget 12-23)
- MADAD POYTAL
- Swayam etc

## Snows about

- x. Radha krishnan Committee (2022)
  - by off shore campus
  - 4 international quality faculty
  - 4 STEM focus

# **∅**€ NEM7

- Capability approach Prof Amartya Su > Procluctivism Prof Dani Rodrik
- SD4 4 Ensure inclusive & equitable quality education & promote uk long learning opportunities for all



## FOREST RIGHTS ACT

NEWS

-> Implementation issues even after 15 years of FRA

## □ PATA

As of April 30, 2020, mota received 42 lakh claims of which titles were distributed to 46% of applicants

## FRA 2006

- > <u>objective</u>: To safeguard marginalised groups and balance the right to envt with the right to life and livelihood
- > It recognise the pre-existing rights of tribals and other forest dwellers
- It is implemented by the MOTA

#### # KEY PROVISIONS

- 1. Recognice, settle and vest rights 4 land rights
  - 4 management & protection rights 4 community rights
- 2. Ownership of minor forest produce
- 3. Implementation by Gram Sabha
- 4. FRCs to investigate the claims

# POSITIVES

- -> It would address historical injustice and empower communities
- Dignity and livelinood opportunities
- > Address insurgency/naxalism
- → Belter forest management \_ Conservation of flora & found

## PROCESS

- The Claim goes through

Gram Sabha > SDC > DLC > SLMC

## # ISSUES

- 1. Eviction orders (1.2 million howeholds in 17 states
- 2. Inefficiency of Gram Jabha
- 3. Non formation of the FRG
- 4. Bureaucratic mismanagement
- 5. Lack of land records
- 6. Reluctance of Forest authorities to giveup Control
- 7. Alienation of tribals

# Suggestions

- 1. Is R subramaniam Committee recommended a comprehensive approach to the forest management
- 2. NC Saxena Review committee recommended to increase the tribal representation in the FRCs. It also said that forest dpt should adopt a humane approach while dealing with the community

# (ASE STUDIES

- 1. Dediapada, Gujrat
- 2. Etyrunagaram Forest in Telangana

# WAY BRWARD

- Skill training & empt opportunities
- Role of NGOs awarness generation
- Strengthen Laws PESA





#### HEALTH FOR ALL

Right to real to Bill 2021, a put member bill was moved in Rajya Labha in July 2022

# DATA

## NFHS-5 (2021)

- 1) Demographic shift; Jex ratio 1020: 1000 Ly lower in PJ, My, GJ, MH, MP, ASSAM
- 2) child ex ratio: 929:1000
- 3) TFR 2 ; up, B1, Jn >2
- 4) Child health
  - 4 reduction in underweight to 32% (35%)
  - Ly reduction in wasting to 19% (21%)
  - 4 reduction in structing to 35% (38%)
- 6) Reduction in child marriage to 23% (27%)
- 6) <u>women</u>
  - 1, Amaemic 67% (of reproductive age)
  - Increase in Contra ceptive prevalance rate to 67% (54%)
  - 4 increase in institutional birth to 89% (79%)
  - 431.
  - 4 Bank alc 79%
  - 1> Mobile 777.

## F) OTHER IMP DATAS

- → Lik expectancy 69.7 years
- IMR 32 death per 1000 live births
- -> mmr 103 dealth's per 10000 live births

## (NOTUTIN 2 NO)

→ Article 21, 39, 42, 47

#### CP SDG

→ Goal 3/ Goal 6

# MEALTH SEGOR OVER VIEW

- 1) Health projectionals
- 6 Doctor to population ratio 1: 1456 (Who 1:1000)
- 1> highest shortfall of Doctors up, challisgarh
- 2) Infrastructure
- 4 Hospital beds 5: 10000 people
- 3) Expense
- 1, Gout spending on health sector 1.5% of GOP
- 4 out of the pocket expenditure 62% (WHO)

## # GENERAL ISSUES

- > Social determinants of health
- > Health divides
  - L Rich vs poor
    - Ly poverty health insurance lycle
  - > Pub us put
  - urban us rural
- Health infrastructure
- Low focus on maternal & geriatric care
  Ly UN world population report 2022
- less focus on mental health
- -> Local community level interventions Ly role of ASMA workers

#### RED

- IPR ISSUES
  - L, branded vs generic pharma

## Disease burden

- oouble disease burden
  - L NCD & CD
- > under nutrition vs obesity
- WASH
  - 4, water Sanitation, hygiene
- Zoonofic diseases @covid, monkey pox
- orug abuse
- Johacco use



- \_ malnutrition Hidden hunger
  - PORTIFICATION
    - addition of key vitamines Eminerals to food
    - → by rice, Salt etc

#### NEE D

- -> cereal centric policy -> diet
- > hidden hunger (NFMS-5 report, GMI)

#### CONCERNS

- > Adverse heally impact excessive dosage
- ANI MICROBIAL RESISTANCE (AMR)
- 🗻 Amic microbials becoming ineffective 🕮 Anithiotics
  - Agis lakh deallis in 2019 (lancet report)
  - leading cause of death-
  - -> earily curable diseases are now killing people due to Ame
  - > No authiotic for certain bacteria
  - \_ over use \_ misuse and otc
  - Natural evolution
  - Antibiotics use in animal husbandry
  - water Sanitation & Mugrene

#### Role of state

- . Nealth in State list
- \_ poor record of ourbreaks
- j policy issues

#### DRUG PRICING

- > Drug Prices Control order issued under ECA
- , National list of esential medicines (NLEM)
- Regulation by NPPA

#### issues

- G exclusion of medicines from NLEM
- L Lobbying by Pharma Companies
- 13 API import dependency on china

## ∃ GENERAL FAILURES - Prof Amaytya &n

- 1) Niglect of primary health care
- 2) Pre mature reliance on put are
- 3) Lack of informed public discussion



#### # RIGHT TO HEALTH BILL 2021

- > make heally a FR h all citizens
- > ensure equitable access and maintanence of a standard of physical and mental health conductive for a tipe in dignity

## # GOUT PROPOSAL (AUG 2022)

- 👅 PM Samaqya Swasthya Yojana
- · (Subsuming PM JAY, ABDM, PM ABHIM)
- is thim to provide universal access to equitable, affordable and quality health care

#### # OTHER

- > Heat by India
- > Heal in India
- → one health approach
- > Eat Right India mission
- ASHA workers recognised as WHO World Health leader's award

# **♦**€ SUGGESTIONS

- -> ISIG FC & NITI AUYDS 4 PPP model in health care
- -> Parliamentary Standing Committee on Nome Affairs
  - L. Public Health Art to theck and control over put hospitals
- ROPAR ITIN C
  - L Health insurance for Indials missing middle

#### WAY FORWARD

- Provision of School Meallh Service
- National Tribal Neallh (
- ] Public Heally & management andre (PHML)
- NZWYA ←
- -> WHO reforms



## ETHANOL BLENDING

NEWS

> India achieved the target of 10% ethanol blending in petrol 5 molts ahead of schedule

## ETHANOL BLENDING

- an agricultural bi-product mainly obtained from sources like sugar cane, rice, wheat or maise

## **BENEFITS**

#### ENUT

- > reduction in fossil fuel consumption
- less pollution
- -> NDC largets

#### Eco

- reduced import of crude oil
- savings of forex
- energy occurity, volatility in prices
- Jelf reliance
  Job creation

#### FARMERS

source of income

# # CHALLENGES

#### Production

- > less production of elhanol
- Sugarcane major source
- high usage of water
- inespicient land use
- food security concerns

#### in frástructure

- → Storage (E10 & E20 Supply)
- Supply chain issue
- , interstate movement issues

#### Consumption

> vehicle manufactures - compatibility

## >> WAY FORWARD

- -, Augment production
- , Envivonmental clearances for Production plants
- > Vehicle manufacture Suture ready (E85, 5100)
- Jax breaks for eltianol

## REPORTS

- > India's bio economic report 2022
  - L) 80 billion USD (2021) Likely to Mach 300 bM UCD (2030)
- > NITI AAYOJ EBP CAN JAVE RS 30,000 Cr per annum

## CATEGORISATION

- -> 1st gen from food crops
- and gen non food crops
- > 3rd gen algae

#### STEPS

- 1) National Policy on biofuels 2018
  - -> 20% blending in pervol by 2030
  - → Categorisation Basic Clstgen)

    Advanced (2nd & 3nd)
  - -> Allows surplus food grains for ethanoc production
  - RED
- 2) EBP Elhañol Blending program
  Gout advanced E20 to 2015 from 2030
- 3) PM JI-VAN
  Support 2nd gen biofuel production

## @ GLOBAL

> Brazil model



Bio-circular economy

- waste to weally



#### SOIL HEALTH - LAND DEGRADATION

CA - 0819

NEWS

> State of the worlds land and water resources for food and agriculture report by FAD talks about soil pollution issue

COP-15 OF UNICO held @ cote d'Ivoire (W. Africa)

Reversing soil degradation is vital if we want to feed a growing global population, project bio diversity, help address climate crisis Qu- Dongu (FAO DG)



#### LAND DEGRADATION

- Temporary or permanent lowering of the productive capacity of the cand
- It is caused by climate variability and human activities

#### DESERTIFICATION

Land degradation in dry cands

#### LAND DEGRADATION NEUTRAL

amount and quality of land resources remains stable by increases



#### Anthropogenic

- Deforestation
- > intensive farming
- over we of ground water
- over grazing
- over use of fertilizers
- expansion of agri, industrial & urban areas
- → soil pollution
- wetland degradation
- illegal mining

#### Natural

- Soil eposion (wind, water)
- → natural disasters



#### Gconomic

- is agricultural productivity
- 4 crifical infrastructure @ road

#### Environmental

- 6 Biodiversity loss
- c, climate change

## Socio-political

- 4 food insecurity
- h climate justice
- jobloss, migration &



## DEBY OF

- Soil Health card
- Restoration of 26 mh degraded land by 2030
- wetland protection
- CAMPA fund for afforestation
- ZBNF
- NAP to combat Desertification



- UNCCD
  - COP-15 "Land, Life, legacy: from scarcity to prosperity
- > Bonn challeuge réstore degraded land

## WAY PORWARD

- Afforestation
- Community efforts
- ferfilizer sector reforms
- Crop diversification
- Satellite imageries

SD4:15



#### DOMESTIC

Gross Envt Product Cultarakhand)

CA - 0821



ECO-SENSITIVE ZONE

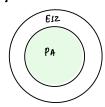
🛗 > Draft notification of ESA in Western Ghars

## ESZ

> Ecologically fragile areas

- As per National wildlife Action plan (MOEF) land with in 10 km around the protected areas is to be notified as Esz
- HOWEVEY (HĒ 10 KM AYEA CAN VAYY

Notified under EPA, 1986



certain activities are permitted, some are regulated and come prohibited (mining)

## SIGNIFICANCE

shock absorbers for PAs

protection of biodiversity **→** 

- prevent introduction of exotic species
- prevent man—animal conflict
- refine the enut near PAs.

## SC DRDER JULY 2022

sc directed all states to have mandatory 1 km ESZ from the boundaries of DAS, NP, WLS and no new permanent structure or mining will be permitted

## 

- Dr Kaskuri rangan Committee 375. of the total land area of western ghats to be declared tsz
- <u>Gadgil Committee</u> entire western ghat is

## # ISSUES

- a) State pouts opposition
  - 🗓 Karnataka, Kerala erc
- adversely impact the local residents
- affect the developmental activities
- No scientific survey has undertaken
- 2) Local people
- people's opinion is not taken
- farmers fear losing their livelihood
- fear of eviction
- 3) Environmentalist
- demand imposition of Esa
- > region already affected by unregulated development and anihropogenic pressure



#### NET ZERO - NDC TARGETS

> India updated its NDC (Aug 2022)

# NET ZERO EMISSIONS

Refers to a balance where emissions of and are offset by the absorption of an equal amount from the atmosphere

imp step to tackle climate change and its efforts







offet

Calculate chi carbon foot privit

reduce the carbon foot print

-O Net zero (2050/60/70)

Indian commitment @ cop 2b; achieve Net zero emissions by 2070

## # ISSUES

2021

- climate change
  - extreme weather events
  - → ludia's vulnerabilities
- 2) climate targets
  - -> NOC is voluntary
- Coal
  - > phase out us phase down
- 4) climate backsliding
  - -> energy dilemma
- climate justice
  - -> equity, CBOR
  - developed vis developing
  - > rich us poor
- © climate colonialism
  - colonialism in green'
- Carbon colonialism
  - profit maximisation out of carbon fixing
- Climate finance
  - rich countries not met liver targets
- climate denialism



one like one world"

# W INDIAN CASE

- 3rd largest emitter
- high population-needs
- focus on growth & development
- vulnerable to climate
  - La extreme wealher events
- lack of resources & technologies

## INDIA'S NEW NOC TARGETS

- 1) reduce emission intensity by at least 45%. from 2005 levels by 2030 (15 NDC - 33-35%)
- 2) 50% electricity generation from renewables (40%)
- 3) create 2.5-36 tonnes of additional carbon sink

## # CHALLENGES

- India need \$ 10 trillion **Funding** 
  - to meet its net zero larget
  - NDC is 'conditional'
- fosil ruel
  - dependence on coal & oil
- Renewable energy
  - Scaling up generation
  - rechnőlogy dependence
  - raw material dependence
- clean energy
  - need to be in NSG
- Economy
- \_ apriculture dependence
- an imal rearings
- \_ manufacturing focus



SANLY IN ILLING

i) one sun one world one find

launched by India & UK - worlds first transnational network of interconnected solar power grids

a) Infrastructure for Resilient Island states

#### Previous miharives

A 21 (i

2) CDRI

#### LIFE STYLE FOR ENVIRONMENT (LIFE) MOVEMENT

introduced by India @ cop 2t

#### OBJECTIVE

> promote environmentally conscious life style focused on `mindful & deliberate' utilization instead of mindless & wasteful consumption'

## # ISSUES

#### <u>Production</u>

- unsustainable production
- LOW life cycle products
- > energy mefficiency
- > exploitation of resources

#### consumption

- > Irresponsible consumption
- > non-biodegradable @ plastics
- > put ownership us public utilities
- > pollution, waste generation

## >> SUGGESTIONS - TERI

- i) focus on energy efficiency
- 2) Use of biofuels
- 3) Carbon pricing
- 4) (arbon jequistration
- s) we of renewables



#### PLASTIC POLLUTION



Govt banned Single use plastic (CUP) from 1<sup>st</sup> July 2012

#### REPORTS

- > Annual plastic generation in India 35 mmt
- > 30% plastic waste is recycled in India
- , >40% plastic is in the form of sup



-> Plastic items litat are used once and discarded @ packaging items, polyethere bags, straws etc

# BENEFITS

- > Cheaper & belter Ihan other materials
- > Believ shelf life
- Reduced pressure on wood producing trees
- Easy to transport

## # CONCERNS

#### ENUT

- → >500 years to decompose
- → pollution
  - i land fill creation
- -, affect bio diversity
  - @ microbeads, sups

#### MARINE LIFE

- > marine pollution
  - (UNEP) \$9x plastic in ocean is SUP

#### HEALTH

- 🗾 toxic chemicals carcinogenic 🤨 BPA
- stexic emissions from plastic burning
- bio accumulation
- , bio magnification

#### SOLID WASTE

- > Inadequate solid waste mgmt
- plastic litter blocking drainages
- unsustainable bourism

#### OTHER ISSUES

- > sorting, collecting issues
- > no cheaper alternatives
- ighthere is a property of the second of the
- impact on plastic industry

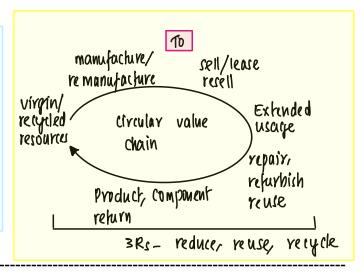
#### IMPACT OF SUP BAN

- > Admin challenge
- affect small vendors/business

## PLASTIC WASTE MAMT RULES 2022

- 1) Extended Producer Responsibilifies
- 2) EPR certificates
- 3) compensation based on polluter pays principle
- 4) Centralised online portal

# FROM FROM manufacture relail wingin Linear value chain resources end of life







4 China (2020) 4 EU (2021)

#### DOMESTIC

L, 'Hasiru Dala' - Kaynataka

## NEED OF THE HOUR

- Establish international legally binding agreement (UNEA) Bio plastics
- Independent Envt Regulator in India



#### CHINA PAKISTAN ECONOMIC CORRIDOR (CPEC)

China & Pakisran Signed a new agreement as part of CPEC Phace 2 (Feb 2022)

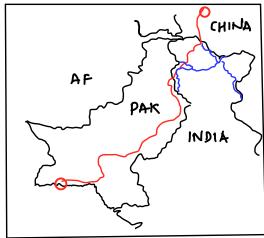
## # CPEC

Flagship project under china's ORI. it links Gwadar port in Pak to Kashgar Xinjiang, China. Phace 1: Infrastructure & energy projects

Phase 2: Industrial cooperation

The corridor payes through Pok, India





## CHINA'S OBJECTIVES

I) Energy & trade corridor from middle east

2) Development of xinjiang - Vighur majoring province

3) Links strategically imp Gwadar povt & lor

ń) solve china"s 'malacca dilemma' – choke point

## AK'S BENEFIT

- D Chinese investment boost to economy
- D Counter USA

## B (HINA-(PAK CONCERNS)

1) Security concerns and unvest

D opposition in Puk- 'another east India O'

3) political and protogical stability

## LF INDIA'S CONCERNS

Payses through POK

- against Sovereignty & territorial integrity of India

> géo strategic advantage of Gilger Balfislan

rensitive and disputed timitories

## External security

- Acilitate military movements of china, Pak

-> china Pak pincer strangy

-> Gwaday port as chinex base

> String of pearls of china

#### Internal security

-> choic ponder terrorism

-> MEADONS & SUPPORT TO INSURPLINCY

DUVEY

-> expansion of opec - Af, car etc

## MOIAN COUNTER STRATEGIES

-> Development of Chabahar

`Necklace of diamonds' strategy

Two Quads







Draft e-waste management rules 2022

## DATA ((P(B)

#### > Inclia generated 1 million townes of e-waste in 2019-20

Collected just 10% in 2018-19

CPCB Issued show-cause notices fo 186 producers for not meeting collection targets

# E-WASTE

> Electronic waste ie electronic products lhat have become unwanted, discarded and have reached the end of their useful life

## # CHALLENGES

#### Generation

- wider use, mindless consumption
- -, cheap products
- , how like cycle products
- lack of uniform stds @ mobile charger
- lack of recycling
- -> lack of corsumet awareness

## Disposal

- D Polluhon
  - Ly Air, water & Soil pollution
    - 🖲 Imp. elements found in e-waste > Lead, mercury, cadmium ek.
- 2) Heally risks
  - 4 negative biriti outcomes
  - is affect lung function, respiratory effects
  - L. DNA damage, cancer etc

## collection & recycling

- → un organised sector
- 🗩 no strict implementation of rules 🕮 EPR
- un scientific melhods
- → no large scale recycling

## reps

- $\rightarrow$  E waste rules
  - EPR
  - Buy back scheme
  - Producer Responsibility organ
  - Draft rules 2012
    - EPR

    - Recycling targets Steering committee for monitoring implementation
    - Enut combensation fund

## WAY FORWARD

- R&D
- > awareness generation
- recycling infrastructure
- strengthen implementation
- i Circular economy



BASEL Convention

CA - 0824



#### HEAT WAVE

🗒 🗩 total heat wave days in 2022 over 5 times more than 2021



## HEAT WAVE

- period of abnormally high temp over a region
- -> max temp reaches 40°c for plains; 30°c hilly areas
- beparture from normal -> 4.5°C to 6.4°C

## WET BULB TEMPERATURE

cowest temp to which air can be cooled by the evaporation of water into the air

## WRBAN HEAT ISLAND

turban-rural temperature differential

## # REASONS

- Global warming
  - hising engs
  - nicreased use of Ac, automobiles, generalors حا
  - 4 deforestation
  - is rapid urbanisation etc.
- a uvban heat island

# we have a choice. collective action or

collective suscide. Its in our hands" Anhonio Guterres (UN sec Gen)

## DATA

- → India's avy temp has risen 8.62° c from 1901- 2020 (IMD)
- rindia is on track to experience Heat wave gross 35°C (Wbt)

(Mckinsey report)

- s children are at increasing risk of heat woves
- > Near wave related mortalities (2015-2020)
  - 2137 people died in north west India & 2444 in Soulli India

## # IMPACT

#### ENVT

- global warming
- bio diversity toss
- melting of glaciers
- > marine heat wave > cyclones

#### AGRICULTURE

- Decreased yield 🕮 fall in wheat prodn
- → Farm fires
- > food injectify
- food inflation

- > inicreased mortality, morbidity
- → spike in pollution
- -> overloading emergency services

#### ECONOMY

- peak electricity demand
- \_ increased emission
- \_ industrial production affected

#### SOCIAL

- climate justice

#### CASE STUDY

ے Brick kiln ح



#### HEAT ACTION PLAN (HAP)-NDMA

- use materials that keeps undoor cooler
- early warning system about heat waves
- improving health infra to treat heat stroke patients



#### WAY PORWARD

#### Mitigation - Adaptation

- Smart surfaces
- negative radio active forcing
- Increase green cover
- plan infrastructure & housing

#### Heal(h

- -> medical insurance
- Health advisories (hydration, nutrition)



## BEST PRACTICES

An medabad-first south Asian city to prepare



#### MARITIME SECURITY

NEWS

Yuan wang-5 - chinese vessel docked in Sri Lankau port

# IOR SIGNIFICANCE

- 1) security (external & internal
- 2) Blue economy 12 EE2, ocean resources
- 3) energy security
- 4) SLOC
- 5) bilateral relations with lor

## FINDIAN APPRDACH

- > India's sphere of influence
- 🗻 Inclusiveness; opénnéss; unity
- > Net security provider
- , zone of peace
- bilatevál/multilateval relations

## # CHALLENGES

#### 1) Chinese expansion(sm

- yuan Wang-5
  - dual we'
  - , areal reach of >750 km
  - impact bilateval relations (Svi Lanka)
- shing of pearls
- overseas military base
- , weaponisation of supply chain
- south china sea dispute

## major power rivalry

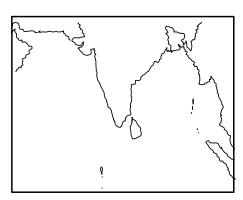
- Proxy wars
- Diego garcía us military base
- disputed regions chagos

## ochér

- , choke points in lor
- Non traditional threats
  - > Piracy
  - > Drug-human trafficking
  - \_ Terrorism
  - > Organised crimes
- > dimate crisis & disaster memt
- → Indials strategic confusion



"Indian ocean is the region where India asserts, china eyes and the us intervenes"



PIC 1.10R - maritime boundary

# **INITIATIVES**

- Quad, INFRUS
- SAGAR
- Multilateral cooperation
- Military exercises
- -> 'Necklace of diamonds' strategy



#### DATA PROTECTION LAW

🕮 > Centre will I drawn the Data protection bill

"pata is the new oil"

## DATA (IT)

, It is the collection of information, statistics & analytics that is stored in a computer or a network

ATA(

> 692 million internet users in India CIAMAI YUPOTH)

-> Big Daha - 4Vs

## PRESENT LAWS

- IT Act 2000

## SIGNIFICANCE

1) Big Tech

- Data analytics

2) Economy

- ALG IR

-> Digital economy, e-commerce

3) Govt

→ Digital India, e-gov

> Policy making

-> National security

4) Individual

> more informed choices

- Social media

## $\mathcal{X}$

K.s. Pultaswamy case -Right to privary is FR

## SUGGESTIONS

3 Justice BN Srikrishna Committee draft para protection Gil 2018

## # CONCERNS

#### Individual

-> Individual privacy & safeguards

-> no informed consent

-> cyber crimes - cyber bullying Tech

🗻 Data manipulation

Data sovereignty

#### Govt

fake news - moblynching

Cyber security

regulatory gap

interlinking of data

## Reason for withdrawing of the Bill

1> JPC recommendations

L, Concerns by the tech industry data localisation

4 objection by Privacy advocates

## 

i) include non-personal data and hardware manufactures that allect data

2) social media platforms should be accountable for their content & set up a statutory media regulatory authority

3) social media firms should setup office in India and inirror copy of lata should be in India

bevelop an indigenous alternative to swift network for financial transactions

include psychological manipulation as harm

report data breach with in 72hr

IPC members raised concern regarding exemptions to central agencies



## WAY FORWARD



- cyber hygiene

1ech \_\_\_\_\_

WAY FORWARD

- → purpose limitation
- > data minimisation

#### - Economy

- > Cross border data flows
- encourage invest
- → digital economy Govt
  - > Stake holder consultation
  - > Protect personal data
  - Reform surveillance laws
  - Coordination between regulators

## EU DATA PROTECTION ACT (GDPR)

- General Data Protection Regulation. It aims to give control to citizens and residents over their personal data.
- GOPR provides for Right to be forgotten

#### RIGHT TO BE FORGOTTEN

It empowers individuals to ack organs to delete their personal data



# 🖺 🚅 over 250 ogw arrested in 18K

# **9** 04W

. helps militants in movement, ammunition supplies and accommodation

#### HYBRID MILITANTS

-> who are nor listed as ultras but persons radicalised enough to carry out a terror strike and then slip back into the northine like

#### LONE WOLFS

.> lone actor attack; someone who prepares and commits violent acts alone outside the command structure and willfour assistance from a group

#### RADICALISATION

👃 process by which an individual or group comes to adopt increasingly extreme political, social or religious ideas

#### # CHALLENGES

#### 1) Societal

- us us (hem; polarisation marginalisation, distrust
- radicalisation indoctrination
- "Soft längers"
- > 10 ls

## Security agencies

- face less militancy traceability
- > Sleeper cells
- → spike in incidents

## 3) Share

- > infiltration cross border terrorism
- > create flar-prevent normalisation of life
- > prove admin ineffective
- remor economy

## 4) Technology

- social media, anonymity
- -, fake news, disinformation
- -, eco chambers

## MEASURES

#### Govt

- De-rad, counter-rad
- -> strengthen policing
- > Intelligence sharing
- > monitoring Cyberspace

## Community

- -> 3 pronged councelling C Family - clergy - professionals)
- community based activities civil society/media
- effective counter narratives

## CASE STUDIES

- Mission Pehal
- Srilankau model



#### NUCLEAR PROLIFERATION



- > China's expansion of its nuclear arsenal
- Conference upholding NPT



#### ISSUES

#### geo political

- 🗻 un stable Security climate
- -> Russia ukraine conflict
- , us china new cold war

#### OCHEY

- > actions of aultoritarian leaders
- > muscular military policies
- , ineffective nuclear regims
- , nuclear aparthetd



## INDIAN CASE

#### Threats

- > India- china border conflict
- china Pak axis 2 front war
- > TNWs by Pakishan
- > Non- state actors terrorism

#### Instability

- > Taliban in Afghanistan
- > Milîtary junta in Myanmar
- > Indo-pacific region

#### Agreements

- Road blocks to NSG entry
- > Not an NPT member

## @ TRENDS

- , Bipolar nuclear deterrence to tripolar nuclear structure
- state and non-state actors role
- frms race nuclear race
- rechnology and cyber warfare

## N€ED

- , Nuclear deterrence
- > strategic autonomy
- Territorial integrity

#### MEASURES

#### International

- > NPT
- > MECR (NSG, WA, AG, MTCR)
- CTBT, START
- → Treaty on Prohibition of NWs

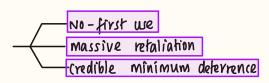
🗬 'A nuclear war cannot be won and must never be fought'

\_ Joint Statement by P5 CUNSC)

## DATA (SIPRI)

- , Defence expenditure 801 bh usD 293 bh usp china India ж b wsD
- > Nuclear inventory Russia (5977), USA (5428) (160) (160) (160) Pak (105)
- > India top weapons importer in 2017 - 2021 period

## # INDIALS NUCLEAR DOCTRINE



#### RETAIN NFU

- responsible nuclear power
- , nuclear deterrence
- NSG Waiver & civil nuclear deal
- -, no disproportionate drain on Indias defence budget

#### ABANDON NFY

- Emerging challenges new approach
- 2-front war - Pak's TNWs
- Ambigous policy
- need more fire power

#### WAY FORWARD

- Quad AUKUS
- INFRUS
- Defence modernisation indigenisation
- strategic autonomy



# CYBER SECURITY DATA

CS These are techniques of protecting computers, networks and programs and data from unauthorised access or altacks that are aimed at exploitation

india reported >50,000 after crimes in 2020 will 12% surge over 2019; 578 incidents of fakenews on social media (NCRB Data)

#### TYPES OF THREATS cyber warfare cyber espionage cyber crime cyber terrorism -> by Joseph Nye

#### CHALLENGES

#### rechnology

- 4(li IR / Dara

- > Import dependency hardware
- > lack of cyber recurity professionals global
- > lack of stobal coopn
- state sponsored attacks

#### Individual

- > Digital illiteracy
- Low reporting of cases

#### govt

- tack of robust legal enforcement
- Low preparedness

#### IMPACT

#### Polity

- 🗻 sűrveillance
- e-gov services

- financial stability
- momware

#### social /individual

- → cyher crimės
- → fáke news
- , mental health
- > pricuance redressal

## Security

- cyber war / terrorum
- non-state actors
- vulnerability of critical infrastructure

#### MEASURES

## LAWS / POLICY

- D ITACT 2010
- National cyber-security blicy

#### INCLIALITANI

- D NCTIPC
- NCSCC
- CERT IN

#### OTHER INITIATIVES

- lyber surakshit Bharat
- 2) Cyber Crime volunteer

#### WAY PORWARD

- i) follow zero trust model
- 2) active defence
- 3) Awareness Creation
- 4) Indigenisation R&D
- 5) improve cyber hygiene

## BEST PRACTICE

- cyberdome project Kerala
- → Intelligence Fusion and Strategic Operations (IFSO)



#### DEFENCE SECTOR REPORMS

## F

## CHIEF OF DEFENCE STAFF

A four-star military officer

"Principal military advisor to the Defence minister on all tri-services

fermaneut chairman of chief of staff committee He will lead Dpt of military Affairs CDMA)

Member of Defence Aquisition council Defence Planning Committee

s military advisor to the nuclear command authority



#### ADVANTAGES

1. Modern warfare require strategic planning

2. Facilitate jointness and integration of 30 services

3. Service chiefs devote time to operational roles

4. Harmony between civil & military admin

5. Efficiency in national security

## CHALLENGES

i. service parochialism

2. Civil-military relations

3. changing nature of warfare

4. Indigenisation

## WAY FORWARD

> Join't Services Act

- Integrated theatre commands



, 170 countries have CDS like post

## F

#### INTEGRATED THEATRE COMMANDS



## INEATERIZATION

17C is to synergize the capabilities and combat potential of the 3 services

## PRESENT SITUATION

> + commands for Army & IAF

> 3 commands for Navy

💃 2 joint commands

i) AEN (i) Strategic Forces Command

## BENEFITS

> Tri service synergy

> optimisation of resources

> integrated training

🗻 readlhess against 2-ffont war

## CHALLENGES

i) Consensus among 3 forces

2) Mismatch in assets

3) Integration of other forces; BSF, 17BP etc

á Threat of sub conventional warfure & terrorism

s) military modernisation

# 

> Kargil Review committee recommended creation of cosq 11C

## > WAY FORWARD

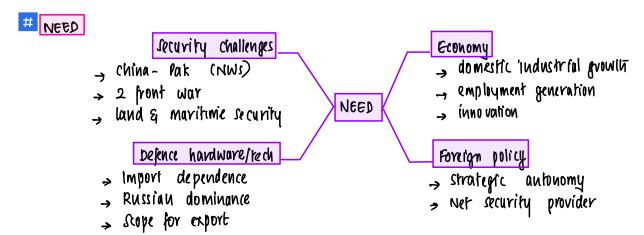
> Indigenisation of defence

> budget allocations

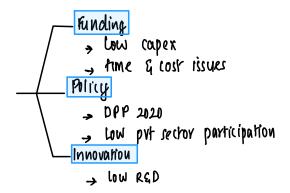
- national security strategy



## DEFENCE INDIGENISATION



## # CHALLENGES



## >> WAY FORWARD

#### Reforms

- Defence organisational reforms
- DADO strengthening
- 🗻 tech participation
- , incentivise put sector
- . Budget allo cation



#### INDIA CHINA

## @ BACK GROUND

- Historical & cultural relations
- ranchasheel principles
- Border conflict-1962
- 🗻 ındras majov tvade partner
- multilateral cooperation

It would be difficult to realise the goal of an "Asian century" if the two countries did not join hands"

→ S. Jaishankar (meA)

## # CONFLICT

#### Border issues

- Differing perceptions of LAC
- $\rightarrow$  Boyder conflicts \_ Galwan valley
- → 2- front war
- → infrastructure development along the border
- Salami slicing by china



## Hurdles to peaceful settlement

- > boundary 'demarcation > boxed up' in Soulh Asia
- chinese expansionism

- pefence modernisation, indigenisation
- comprehensive border management
- Strategre balancing , CBMs
- focw on economic growth

## water disputes

> dam building and water diversion along Yarlung Tsangpo (Brahmaputra)

#### mantime issues

- > shring of pearls'
- South china sea dispute
- Chinese munrue doctrine

## Hower confrontation

- > objecting Indias NSG, UNSC entry
- > china 'Pak relation's
- , `strategies' of china 3 warfore
  - 5 hingers \_multiyeay Coeycion campaign
  - wolf warrior diplomally

## # COMPETITION

- investment - Irade and
- and market resources
- Asian leadership
- weaponication of supply chain
- > Belt and Road Initiative

#### Mlosures

- altempts to economic de coupling
- Stringent FDI norms
- Project cancellations
- mandalory 'country of origin' details
- digital strike ban on apps
- 'voial for local'

## Economic relations

- , Trade deficit
- Dependence China less dependent on India
  - India more' electronics, pharmaetc
- > Imports and consumer options
- Re-routing of goods to India
- ៹ Chinese funds in Indian startups

#### # COOPERATION

- · WTO
- J UNFCCC
- BRICS



## CHINA - TAIWAN

"One people, one culture, one language one country" < china (PRC) > xi Jinping (asiwan (Roc))



one china policy - under this, any country willing to establish diplomatic relations with china (prc) must acknowledge that there is only one china) and has to cut down formal ties with Taiwan (roc)

#### ANALYSIS

- -> India, us a etc accepts 'ocp'
- However India maintains economic relations with Jaiwan
- USA Taiwan defence relationship



#### AZU - AIDNI

⇒ us surpassed China to become Indials rop trading partner (2021-22)

" We are headed for a poorer, meaner and smaller world

BACKGROUND

Phase 1 NAM us - Pak relations us aid to India " world order is militarily unipolar, economically multipolar and politically confused "

India - uss R Phase 2 Pokhran 1

end of Cold war phase 3 NEP OF 1991 civil nuckar deal emergence of china

bipartisan consensus Phase 4 strong ties (Quad, 1242) Shiv shankar Menon

CONVERGENCE

#### Politial

Democracy, shared values

#### Strategic

counter\_china

FOLP

#### Global Issues

Counter Territism, climate change

Diaspoya

People to people relations

#### CONCERNS geo political

- 🗻 USA VIC RUSSIA, China, Iran
- will drawl from Afghanistan
- ties willi Pakishan

#### Clonomic

- > WTO
- > IPR (special 301)
- → 'Fed rate hike'

Sanctions

- CAATSA

## CODPERATION

#### Defence

- > major defence partner
- > 4 foundational agreements
- defence deals

#### <u>Stragt C</u>

- > 2+2 dialogue
- Quad, 1242

## Economic.

- s Trade relations
- it/ites
- IPEF

# China Factor

- counter chinese expansionism
- Quad, Aukus
- china +1 ->

#### Cons

- economic integration
- chinese investments
- India shares border will china



#### NORTH EAST INSURGENCY

NEWS

Gout intends to willdraw Afspa completely from the northeastern region

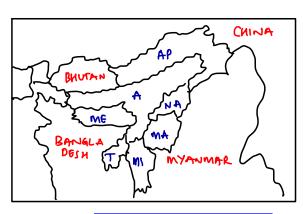
## NE REGION

- -, geostrategic location
- > elhinic & cultural diversity
- > rich in biodiversity & natural resource
- → insurgency related issues

## # NE INSURGENCY

- 1. Separatist insurgencies demanding independence
- 2. Autonomist injurgencies asserting sub-regional aspirations
- 3. Intra-ellinic onflicts
- > South Asian Terrorism Portal Insurgency related deaths in Assam, manipur & Nagaland have decreased from 1070 (2008) to 17 (2020)

## NORTH EASTERN STATES



#### INJURGENT MOVEMENTS

- D ULFA Create an ind. state
- 2) NDFB\_ Bodoland
- 3) NS CN (IM)\_ NagaliM
- 1) PLA Manipur

#### # REASONS

- s. colonial legacy
- 2. ellinic diversity
- 3. demographic change
- 4. Cow infrastructure development
- 5. Sence of Isolation
- 6. external support
- 7. hardline counterinsurgency AFSPA
- & inconclusive peace talks

## TEPS STEPS

- 1. Constitutional Provisions Art 371 A; Schedule U
- 2. Innerline Permit system
- 3. Peace talks and Suspension of operation
- 4. Rehabilitation schemes
- 5. Infrastructure & connectivity development
- 6. AFSPA & counter insurgency operations
- 7. Coordinated operations with myanmar



- Bezbaruah

## >> WAY FORWARD

- > understanding culture & identity
- > Infrastructure development & connectivity
- -> Border management
- Counter incurgency operations



#### AFSPA - ARMED FORCES SPECIAL POWER ACT



Section 3, AFSPA empowers the governor or the central govt to declare any part of the state of disturbed area' if in its opinion there exists a dangerous situation in the said area which makes it necessary to deploy armed forces in the region

#### POWERS UNDER AFSPA

i. <u>Section 4</u>: authorised officer can use force or open five or arrest without warrant

2. <u>Section 5</u>: arrested person should be handed over to

the nearest police station with least possible delay's. Section 6: immunity to the armed personnel

#### AREAS WITHIN AFSPA

→ Manipur, Nagaland, Assam Brunachal, JEK

# AA Sc

> Naga peoples movement of HRs v uol 1998 sc upheld me constitutionality but gave imp directions:

- desirable to consult state before declaration
- declaration has to be for limited duration
- use minimal force
- SC in 2016 ruled that armed forces cannot escape investigation for excesses

## # CRITICISMS

- violation of constitutional provisions
- militarised approach to security & human right violations
- → opposed by people; human nights organ

## **♦**€ COMMITTEES

> Justice BP Jeevan Reddy committee & 2nd ARC recommended repeal of AFSBA



## SOCIAL MEDIA



#### POSITIVES

- Democracy deepening
- Access to information
- communication
- social capital
- ©, Syear old Mahiruh Irfan (J&K) viral video on online education
  - > posstive role during covid-19, disasters like floods

## MEASURES

- IT Att 2000 LAWS
  - 17 rules 2021
    - 5 Traceability
      - 4 Due dilipence

#### CHALLENGES

- eallyth
  - > nadarners
  - > affect end to end encryption
  - > criminal clability on intermediaries
- Splinternet
- Pegasus surveillance

## IMP JUDGEMENTS

- shreya singhal case, 2015
- K.s. Pultaswamy case, 2017
- Anuradha Bhasin cae, 2010

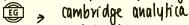
#### > WAY FORWARD

#### Govt

- , Data protection law
- Tech Cos.
- > Due diligence
- purpose limitation, data minimisation <u>Individual</u>
- > cyber hygiene

#### NEGATIVE

- Amonymity, fake news, disinformation
- cyber crimes, cyber bullying
- online radicalisation,
- cancel culture
- eco-chambers
- Right to privacy
- Data manipulation; Brg Tech vs State



> mob lynching



## REPORT STATES

- Apple us FBI
- Pegouu
- -> Chinese great fire wall'