



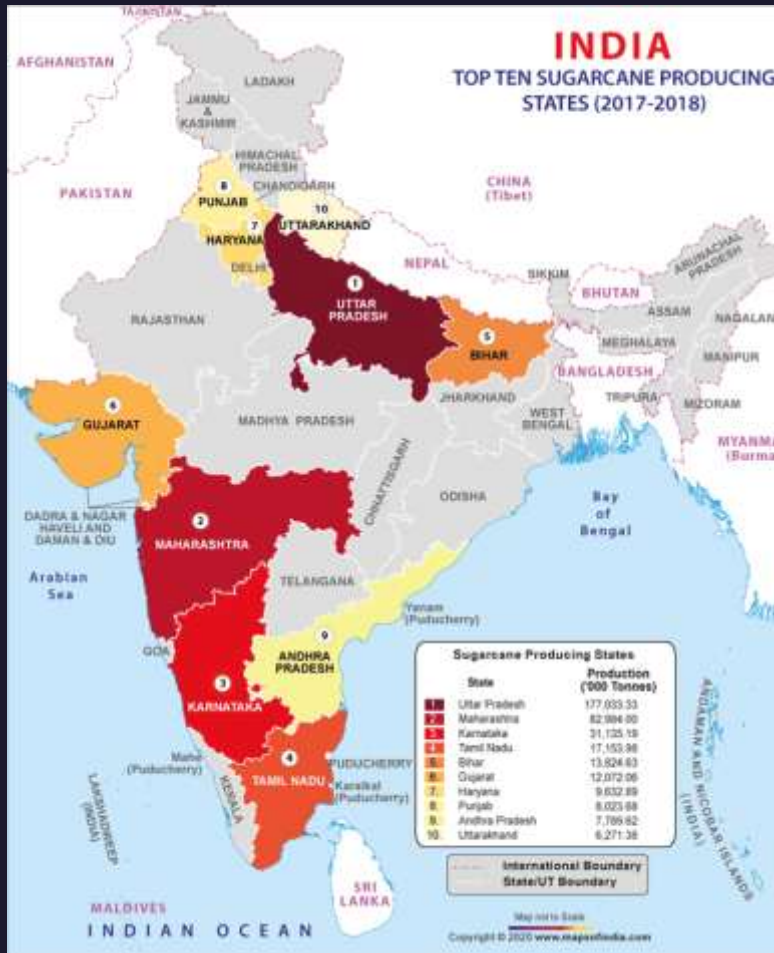
BIOMASS SUPPLY CHAIN FOR E2G : MITIGATING CHALLENGES





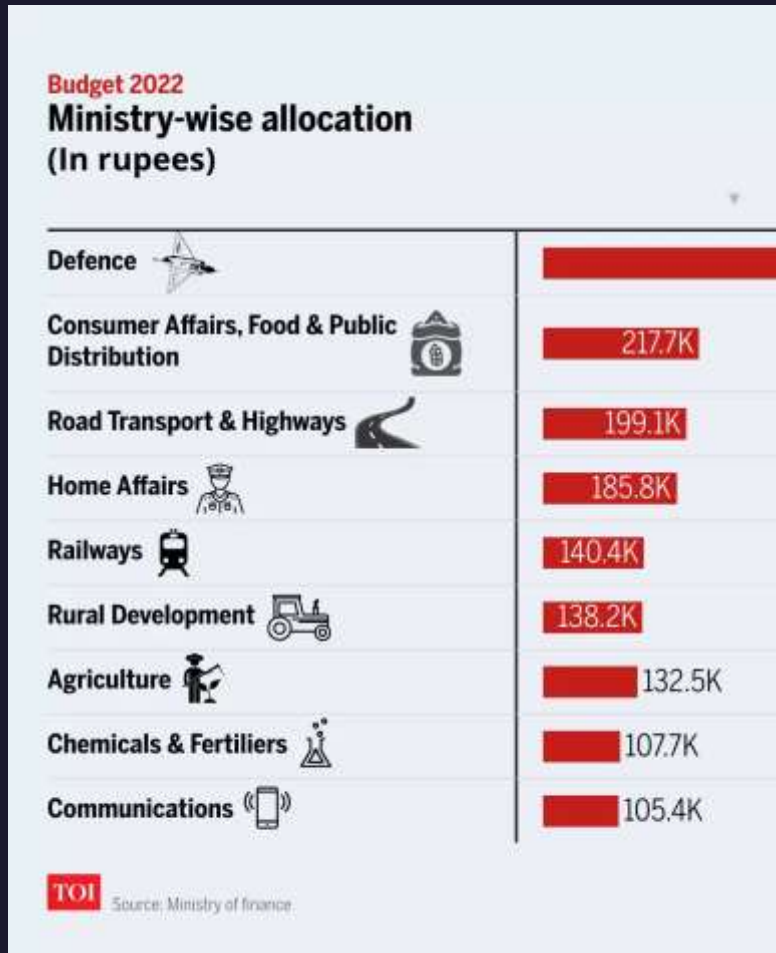
AGENDA

- CHALLENGES
- **RECOMMENDATIONS**
- Q&A



PM MAKES FIVE PLEDGES

- 1 India will increase its non-fossil energy capacity to 500GW by 2030
- 2 India will meet 50% of its energy requirements from renewable energy by 2030
- 3 India will reduce the total projected carbon emissions by one billion tonnes from now to 2030
- 4 By 2030, India will reduce the carbon intensity of its economy by 45% (from a previous target of 35%)
- 5 By 2070, India will achieve the target of net zero



Introduction

- COST OF ENERGY IS RISING
- COAL WILL NEVER BE THE SAME AGAIN
- INDIAN ECONOMY FOCUS ON RURAL SECTOR
- ENERGY TRANSITION MUST TOWARDS NETZERO 2070
- ENERGY MIX IS UNDEFINED

CHALLENGES

ENERGY TRANSITION ROADMAP

MACRO



INTER-MINISTERIAL APEX BODY



COMMAND ZONING



FINANCING SCHEMES



EASE OF DOING BUSINESS



CONTRIBUTIONS FROM STATES



FARMER AS STAKEHOLDER

MICRO

- AWARENESS : STUBBLE BURNING
- **ENTERPRENUERIAL ENABLERS : POLICY, PEOPLE, PRODUCTS**
- LAND : HOLDINGS & PROJECT SCM
- **FINANCE : INTEREST & CREDIT RATINGS**
- R&D AND TECH INNOVATION

“The way to get started is to quit talking and begin doing”

- Walt Disney

SCALES ARE LARGE

GAPS ARE LARGE

CHALLENGES ARE LARGE

JUST OUR

MINDSET HAS TO ENLARGE



RECOMMENDATIONS



MACRO

- APEX CONTROL TILL STATES
 - ENERGY TRANSITION ROADMAP FOR NETZERO 2070 WITH ZONING
 - MERGE FINANCIAL SCHEMES TO COVER COMPLETE VALUE CHAIN
 - STATE-SPONSORED / CENTRE-MONITORED PILOT PROJECTS
 - PROFIT SHARING WITH FARMERS / VILLAGES (PPPP-MODEL)
 - MONITOR UPSTREAM INVESTMENTS & VALUATIONS
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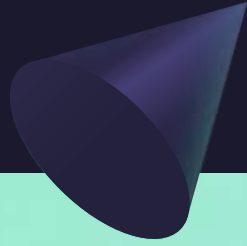
MICRO

- EDUCATION
- SKILL DEVELOPMENT
- FARMER FINANCING BASED ON PAYMENT CYCLES
- PROJECT APPROVAL PROCESS WITH VALIDATED SCM
- TAKE-OR-PAY MODELS FOR SCM
- DIRECT BENEFIT FOR FARMERS

MINOR

- OWN LAND FOR DIRECT AGGREGATION : PROJECT COST
- INTEGRATED LOGISTICS
- BAGGASSE LONG-TERM PRIVATE PRODUCERS / AGRI-WASTE CONTRACTS
- PLANTATION & BYPRODUCT COMMERCIALISATION FOR COST SUBSIDISING
- EXCLUSIVITY FOR SCM PARTNERSHIPS FOR E2G WHILE DIGITAL PORTALS FOR SMALL-SCALE PROJECTS

LOOK FORWARD
TO YOUR QUERIES
Thank You



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