



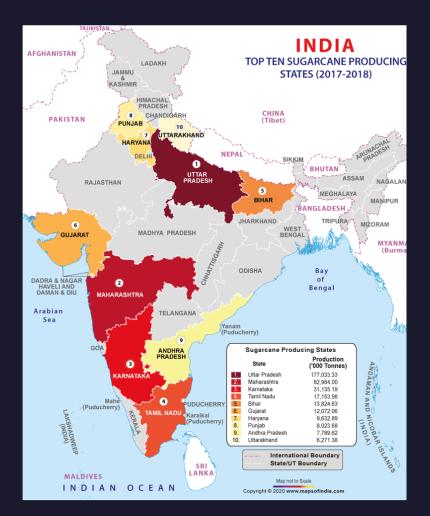
MITIGATING CHALLENGES





AGENDA

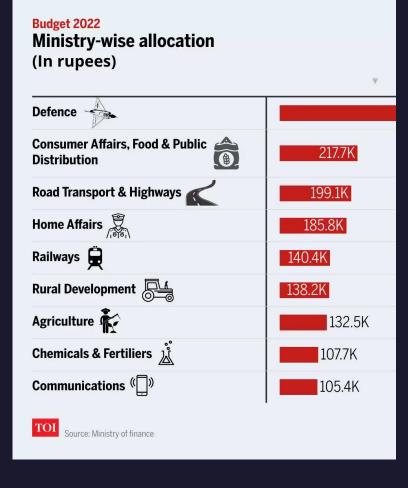
- CHALLENGES
- RECOMMENDATIONS
- · Q&A



Introduction

PM MAKES FIVE PLEDGES

- India will increase its non-fossil energy capacity to 500GW by 2030
- India will meet 50%of its energy requirements from renewable energy by 2030
- India will reduce the total projected carbon emissions by one billion tonnes from now to 2030
- By 2030, India will reduce the carbon intensity of its economy by 45% (from a previous target of 35%)
- By 2070, India will achieve the target of net zero
- COST OF ENERGY IS RISING
- COAL WILL NEVER BETHE 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 & EQUIPMENT : 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

PPPP-MODEL WITH EFFECTIVE FWO

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

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 PROJECTS WHILE DIGITAL PORTALS FOR SMALL-SCALE PROJECTS



EACH PROJECT / PLANT MUST HAVE DIRECT FARMER CONNECT, WITH OWNERSHIP OF THE PROJECT AS WELL AS THE FEEDSTOCK, WITH CONTROL OVER LOGISTICS INCLUDING TRANSPORTATION & WAREHOUSING AND WITH EFFECTIVE COST-SUBSIDISING THROUGH COMMERCIALISATION OF BYPRODUCTS OF THE PROCESS AND GLOBAL STANDARD OF DELIVERANCES INCLUDING ESG

Summary

DEFINED BIO-ENERGY ROADMAP

LOOK FORWARD TO YOUR QUERIES Thank You

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