








# Coal Gasification in India – Way forward

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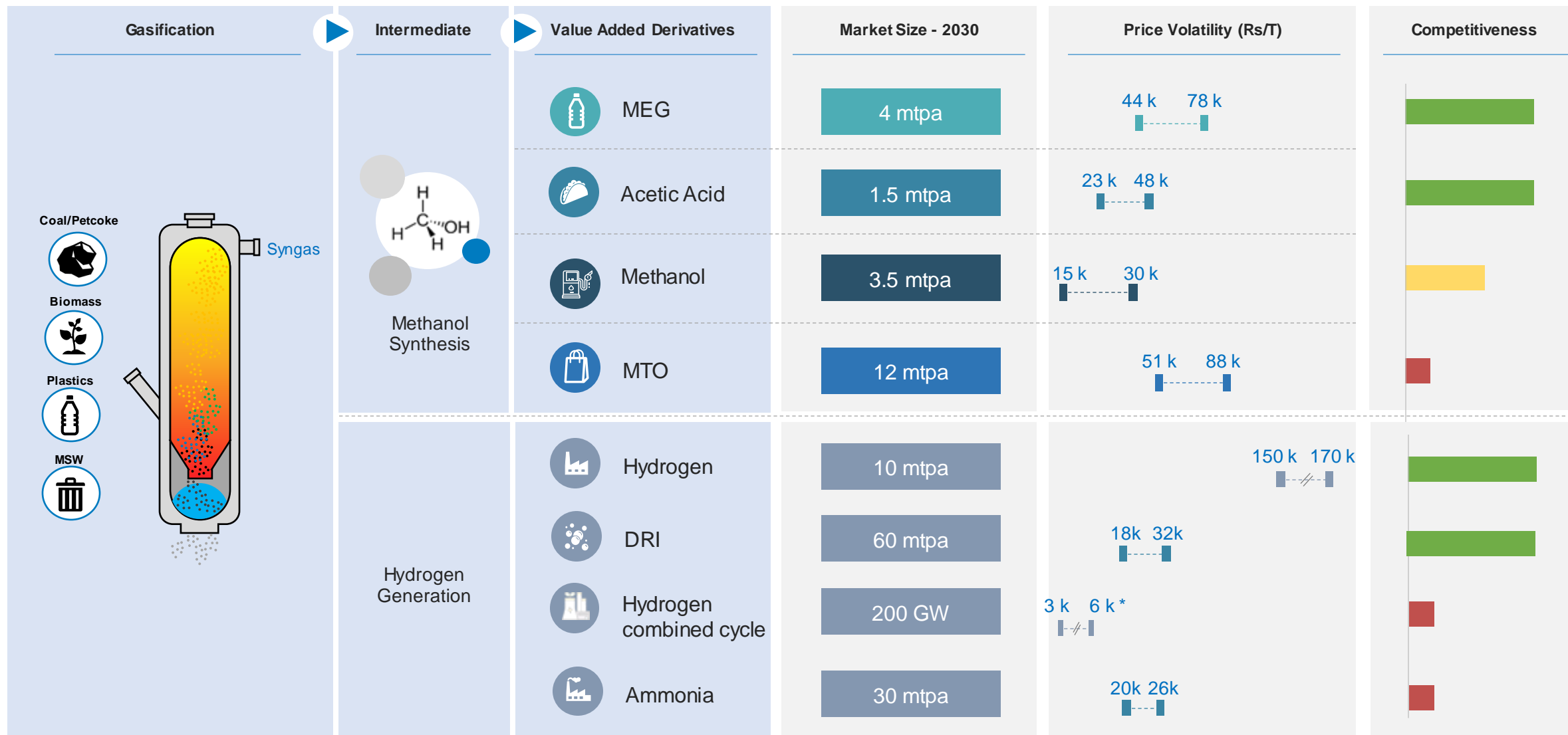
6th May 2022

# Key Enablers for Commercial Scale Coal Gasification in India

- 01 Multiple products based flexible design for profitable and stable operations 
- 02 Technology transfer for accelerated commercial scale adoption 
- 03 Sustainability through carbon capture and disposition 
- 04 Appropriate business model to ensure viability 
- 05 Policy and Government support 



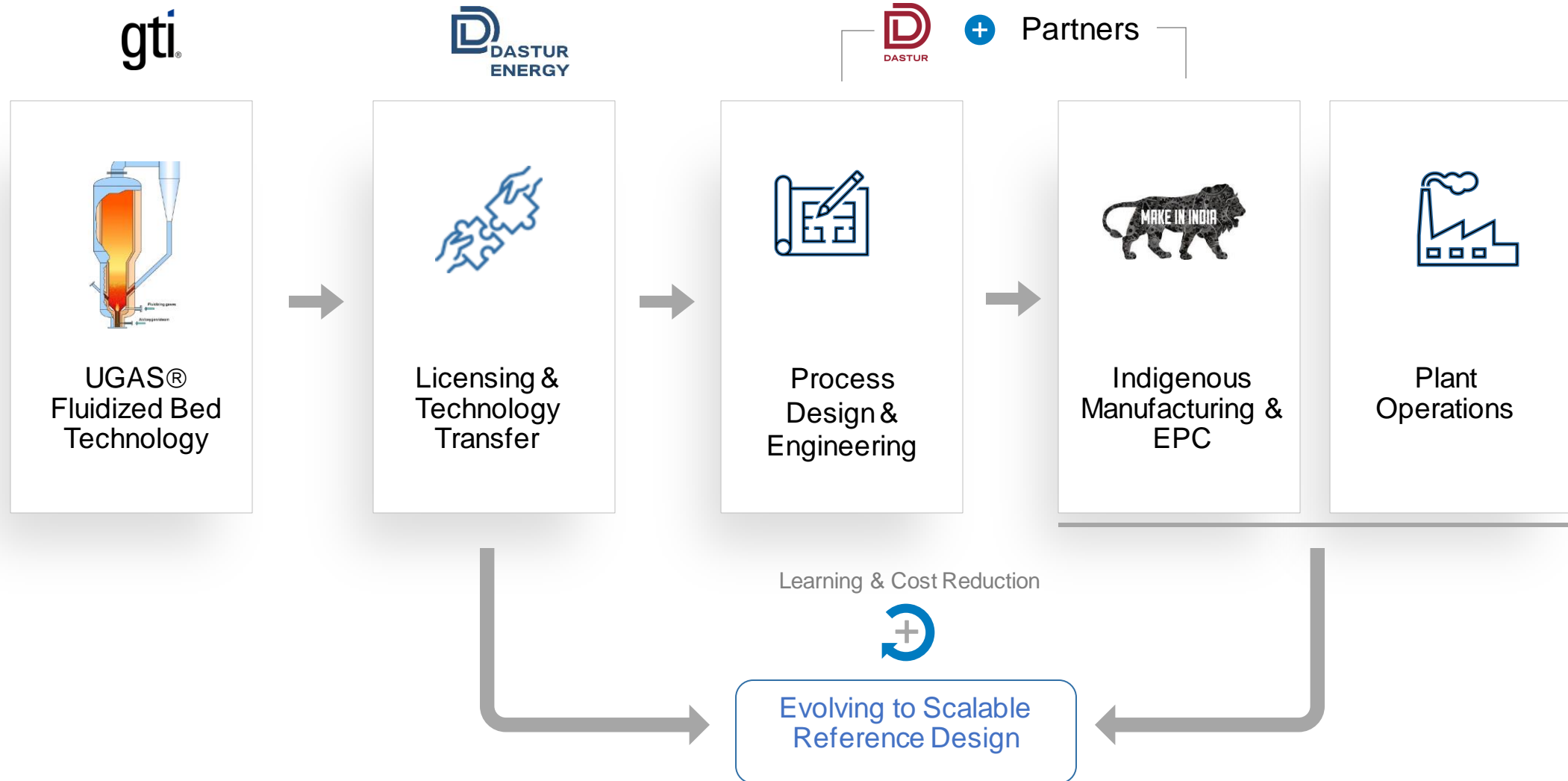
# Markets, Product Portfolio and Techno-Economics is Key to Design of Gasification Projects

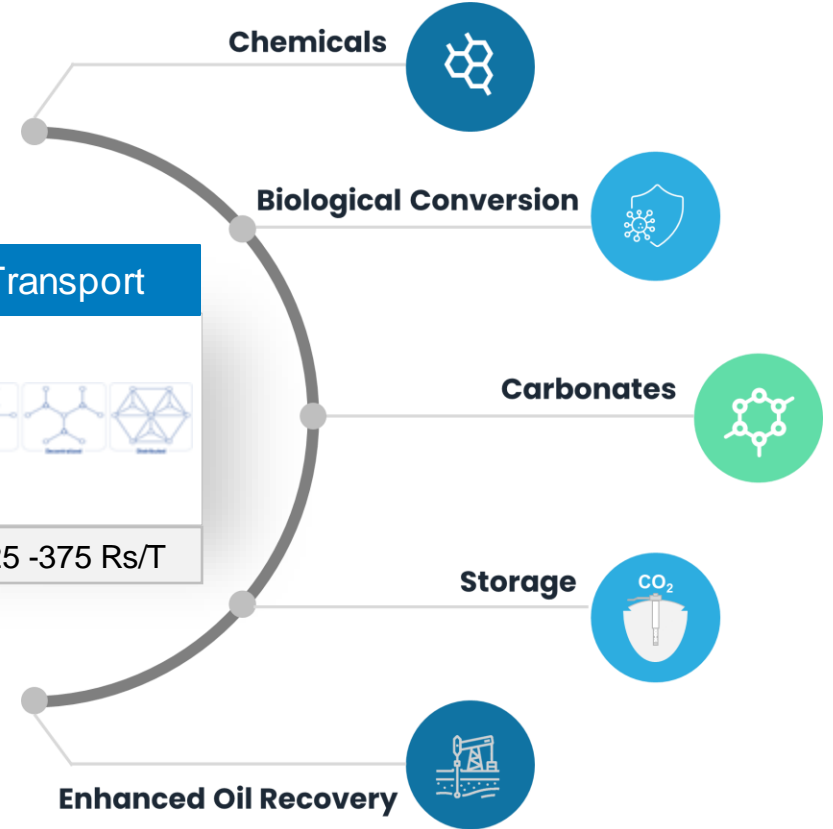
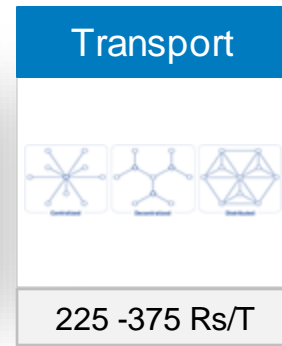
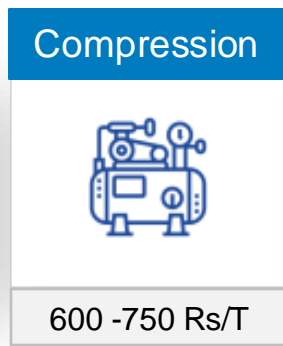
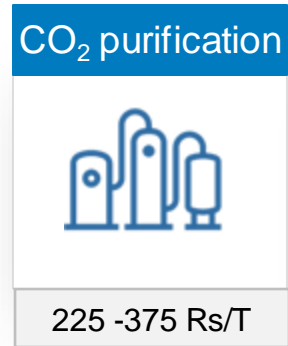
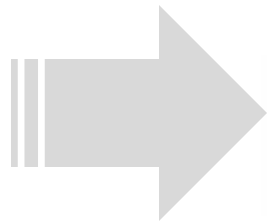
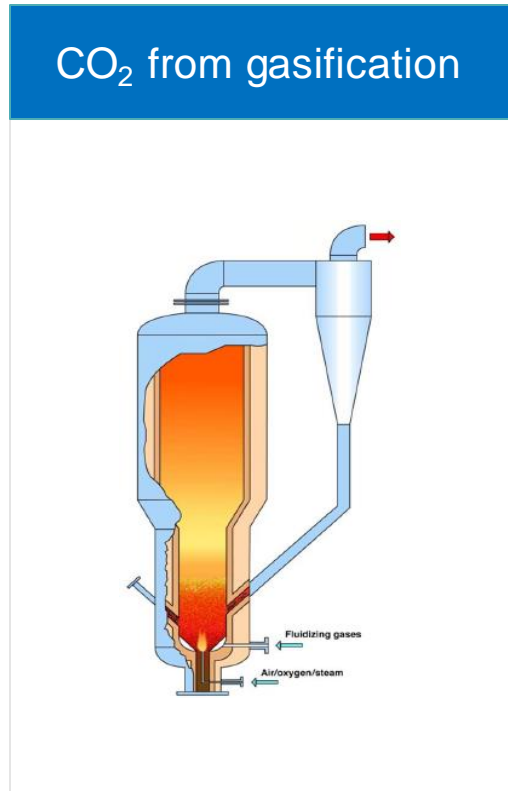


\* per MWh

Note: All figures correspond to FY 2030 estimate

# Technology Transfer for Accelerated Commercial Scale Adoption






## Build Own Operate




Coal supply



Investment



Technology



Engg. & Construction

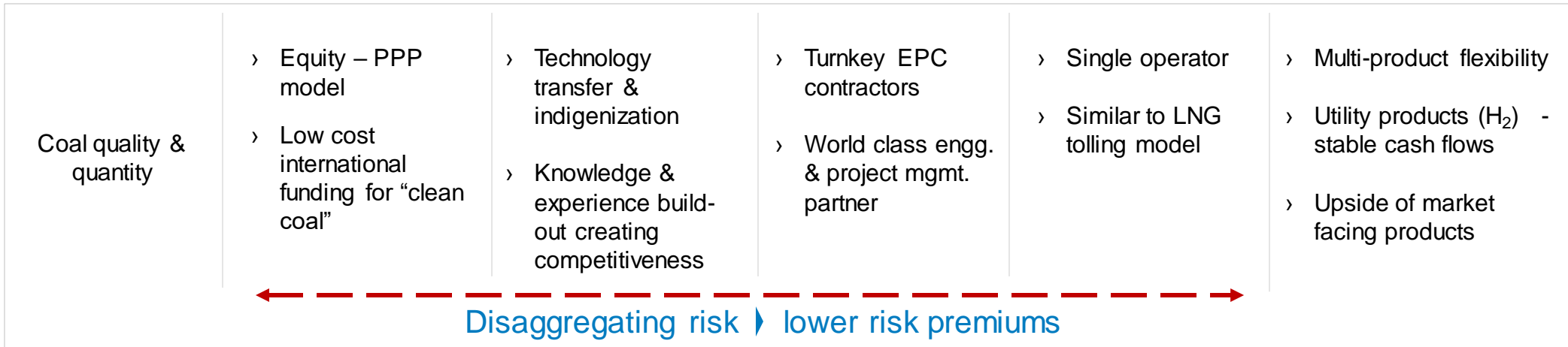


O&M



Market

## Public Private Partnership





## PPP based demonstration plants

- Funding for demonstration plants
- Assist in land acquisition
- Supply chain infrastructure support for gasification projects



## Incentivize gasification-based low-C products

- Preferential procurement + PLI
- Capital subsidy for 'Make in India'



## Loan guarantee program

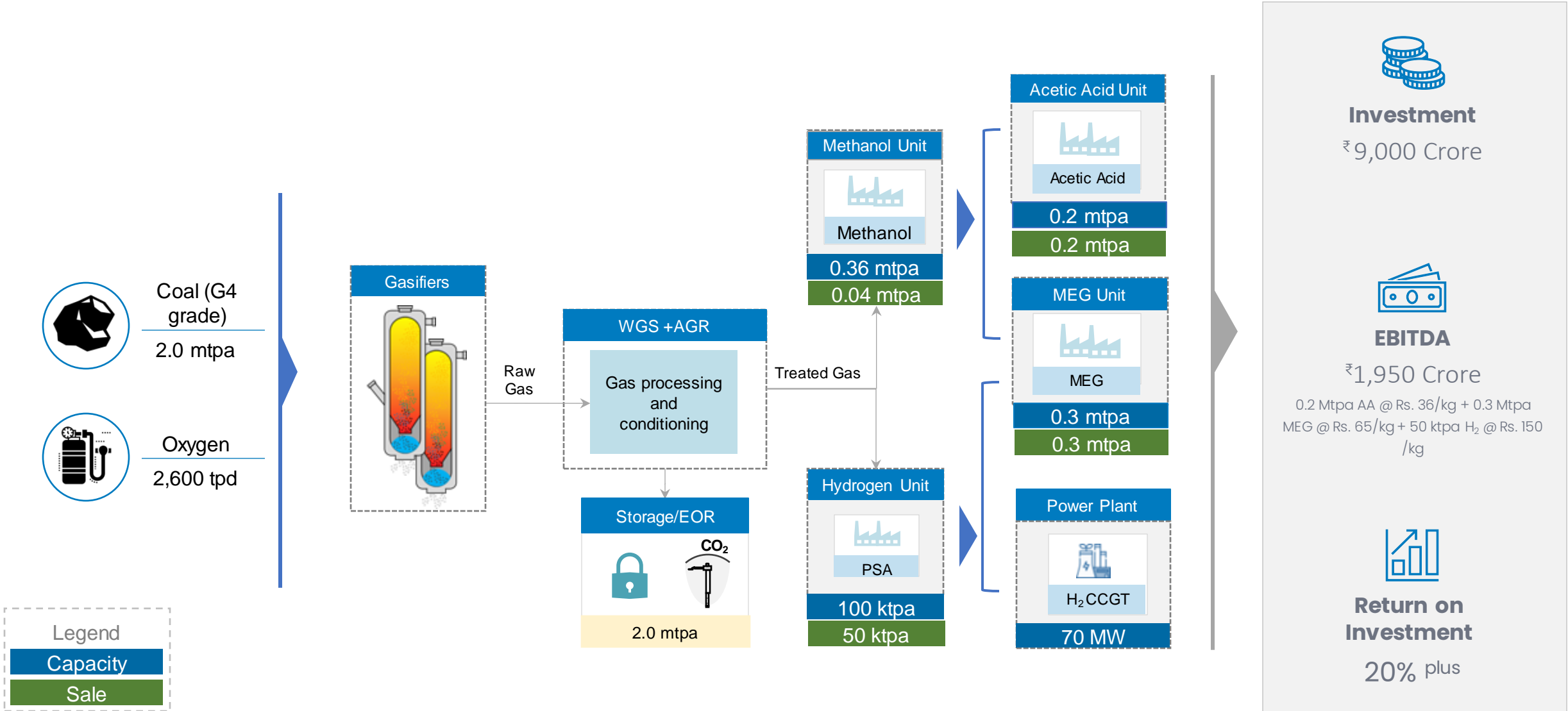
- Enables low cost and easy access to capital
- Funding through Government backed Green/Blue bonds
- Bridge loans



## Carbon capture policy

- Incentives for CCUS through tax and cash credits

# A Potential Gasification Demonstration Plant based on a Multi-product Portfolio



Legend  
 Capacity  
 Sale

\* 40-45 MW power generated from gasifier steam





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