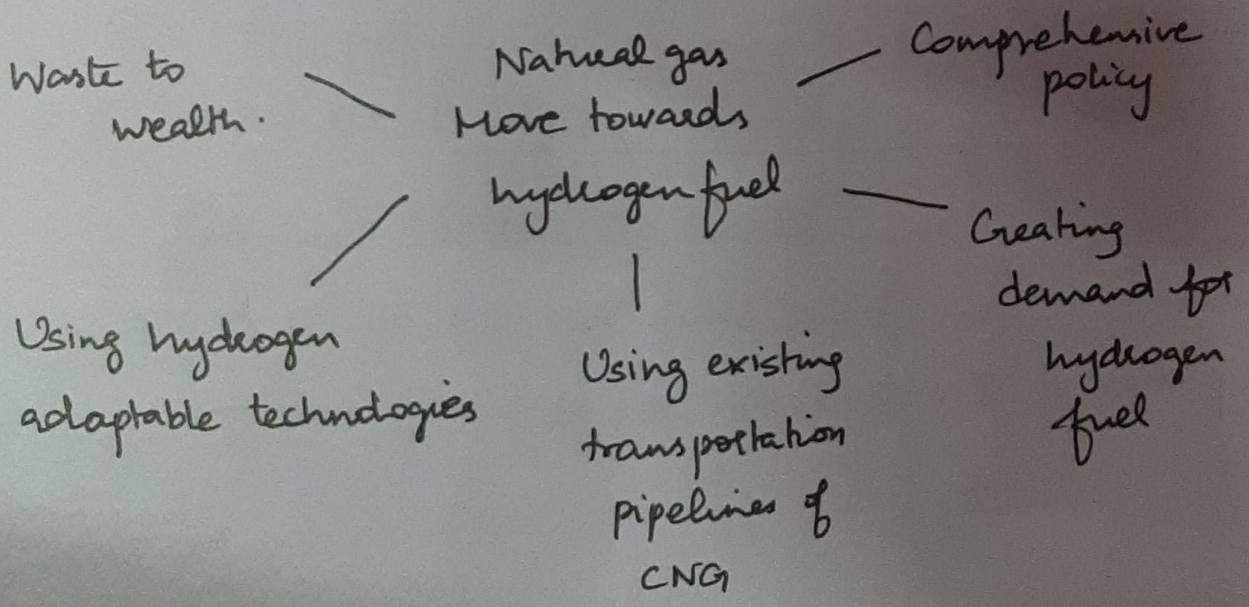


It is critical to position natural gas as a transition fuel for reduction of greenhouse gases emission and enable entry of hydrogen fuel in country. Analyse (200 words).

Reduction in emission of green house gases has been the frontal measure for mitigating climate change. Here natural gas is seen as an alternative to other fossil fuels. The natural gas also reduces only 10% of emissions of coal, here hydrogen fuels are alternative, ~~and~~ and Natural gas can act as transitional bridge.

CRITICAL TO POSITION NATURAL GAS AS BRIDGE

Since natural gas is also a fossil fuel and non renewable instead of complete shifting to natural gas, it should be used only as transition to cleaner hydrogen fuel.



Firstly a comprehensive targets must be fixed to blend and use hydrogen with CNG similar to lines of ethanol blended petrol targets (till now 20% blending is possible)

Secondly the incoming technologies which are ready to use must be made adaptable to ~~pet~~ hydrogen fuel.

Eg: CNG vehicle engines must be made adaptable to hydrogen fuel to prevent abrupt changes.

Thirdly demand for hydrogen fuel must be created like replacing coal based boilers, furnaces in PSU's, Steel Industries to hydrogen based.

Fourthly transportation of hydrogen fuel will be important, CNG pipelines which are yet to laid and existing pipelines must be made hydrogen resistant

Finally the natural gas currently used must be ~~used~~ used to produce hydrogen. The solid black carbon becomes byproduct eliminating emission. That can be used in tyre industry, gaskets etc.

Thus Natural gas and the technology surrounding it can reduce emissions and act as bridge to hydrogen fuel entry. This can effectively supplement SDG 13 - measures.