

natural Gas the green fossil
fuel found with petroleum deposit
can be used as domestic and
industrial fuel.

India currently has a share of
around 6% in its Energy mix
and targeted 13% by 2030

Natural gas to Hydrogen transitional
checklist

i) adapting / upgrading technologies
to use natural gas at present
but hydrogen in future

ii) adapting natural gas infrastructure
to hydrogen

iii) using natural gas to kickstart
hydrogen production

Government Initiatives

- National Hydrogen mission (NHM)
announced in Budget 2021-22 to
achieve emission reduction of

Paris agreement and to reduce
import of fossil fuel.

Challenges to adapt Hydrogen fuel

(i) Huge amount of investment
needed to harness hydrogen
immediately as Steel industry
consumes 14% of total energy
demand.

(ii) upgradation of existing natural
gas pipeline & future addition
to hydrogen corrosive resistance

(iii) Reduction of Cost of hydrogen
to make it Competitive to fossil
fuel as currently it is 2~~3~~ times
the fossil fuel & 7 times of coal

Way forward.

India has a huge potential to
harness by investing in R&D,
Infrastructure development, guiding
policies, etc and become a leading
exporter to neighbouring countries