

Energy) (Q.3) Green hydrogen will be critical industrial fuel and India is well positioned to show leadership in it. Analyse. (200 words)

Union budget 2023, outlays 19,300 crore for green hydrogen project, which shows the importance of green hydrogen in future

Critical Industrial fuel.

→ low emission rate - from green hydrogen helps sustainability

(eg) India's target → reduce 50% of fossil fuel dependency by 2030

→ Minimum imports - with producing green energy, exports of fossils comes down

(eg) 90% of imports are confined to fossil fuels

Budget - 19,300 Cr

Within industry

→ Fertiliser

→ Steel imports

→ Cement

→ Aviation

(W) →

SIGHT - dem

SIGHT - manu

Bilva

Orbital

↳ ~~so~~ reduce transport cost →
by using it in vehicles.
(eg. like aeroplane.)

India's position on green hydrogen.

① DSIR (Strategic Intervention for green hydrogen) for create domestic demand

② Create manufacturing electrolyser
for setting up green hydrogen
(eg.) 4,300 crore for set up electrolyser

③ Bilateral group → for knowledge transferring and technology transferring.
(eg.) QUAD, BIMSTEC on green energy project

NITH heading the o2o leadership, India will hold the green energy strategic to support SDG goal 13 for climate change.