



India Green Hydrogen Export Outlook

July 2023

India Green Hydrogen (GH) export overview

- NHM mission aspiration - 5 MMT Green Hydrogen/ Eq Derivatives by 2030
- What is the India advantage to become a Export hub?
 - Resource rich – Land, Solar radiation, Wind potential ; Low LCOE
 - Thriving RE execution ecosystem – Developers, EPC, Module mfg
 - Integrated national Grid
 - Geopolitical stability
- Key export destinations – Europe, Japan, Korea, Singapore
- Alternate production centers – USA, ME/Africa, Australia, Latin America

What India needs to win the GH export game?

- Progressive policy making to enable production at competitive price
 - NHM is a great start - e.g. ISTS waiver, NHM subsidy, banking ; Needs budget scale up, effective distribution of subsidy
- Use our Geopolitical advantage to sign “Bilateral/preferred supply agreements” with large consumption centres
- Participate in setting global GH standards – that allow India to leverage its advantage e.g. Grid
- Spur domestic demand e.g. mandates
- Build export infrastructure e.g. Port infra, pipeline etc
- Innovate on financing e.g. contract duration risk
- Promote technology innovation/ investments e.g. electrolyzer