

PLI boost for green hydrogen manufacturing

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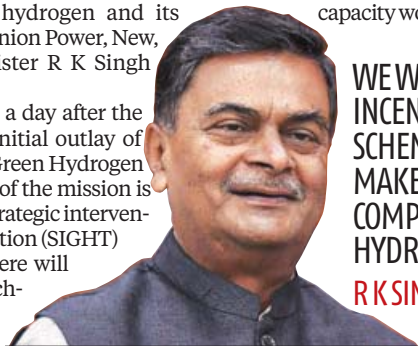
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The Centre will bring in a production-linked incentive (PLI) scheme in coming months to give impetus to manufacturing of green hydrogen and its key component electrolyser, Union Power, New, and Renewable Energy Minister R K Singh said on Thursday.

The minister was speaking a day after the Union Cabinet approved an initial outlay of ₹19,744 crore for the National Green Hydrogen Mission. One of the key tenets of the mission is allocation of ₹17,490 crore for strategic interventions for green hydrogen transition (SIGHT) programme. Under SIGHT, there will be two financial incentive mechanisms for the domestic manufacturing of electrolysers

and the production of green hydrogen.

“We would provide incentive through a PLI scheme. We are aiming to make India the most competitive source of green hydrogen in the world,” Singh said, adding that 15 gigawatt (Gw) of electrolyser capacity would be needed to meet the annu-



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R K SINGH, Union Power, New, and Renewable Energy Minister

al 5 million tonne production target of green hydrogen. While the industry is looking forward, it faces a challenge of the developed world providing subsidies to the green hydrogen sector, he said. “We believe that to be a trade-distorting step, which I think is actionable under the WTO rules.”

The mission will have four components that aim at enhancing domestic production of green hydrogen and promote the manufacturing of electrolysers — a key constituent for making green hydrogen. Apficiasart from the SIGHT programme, ₹1,466 crore is for pilot projects, ₹400 crore for research and development (R&D), and ₹388 crore towards other mission components, the Centre said in a statement.

Officials at the ministry of new and renewable energy (MNRE) said the four pilot projects for use of green hydrogen are for low carbon steel, mobility, shipping and decentralised energy and energy storage solutions.