



IndianOil

Catalysing a *Sustainable Shift*



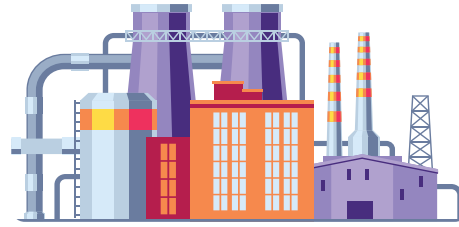
SUSTAINABILITY REPORT FY 2023-24



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Catalysing a Sustainable Shift

IndianOil is gradually transitioning from a fossil fuel company to a green energy major. As we move forward in this journey, IndianOil is bringing more thrust to robust actions with significant on ground impact. In this landmark year, we have taken major steps towards enhanced efficiency, growth in use and production of cleaner energy sources, promoting renewable energy and investing in clean energy technologies. These measures will help us in improving our ecological footprint and in aligning with the United Nations Sustainable Development Goals (UN SDGs). With a strong foundation in place, we are catalyzing a sustainable shift and advancing progress toward a greener future.



Green Hydrogen

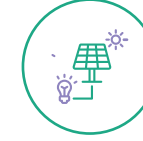
We are undertaking projects aimed at advancing hydrogen technologies through renewable energy powered electrolyser and thereby, progressing from the conventional hydrogen production methods to the green hydrogen production process. In collaboration with IIT Kharagpur, we have taken significant strides in developing a 57 litre water capacity Type III composite cylinder, enhancing safety and efficiency for storage of green hydrogen.

Hydrogen presents another key opportunity for securing India's energy needs and driving the green mobility ambitions. To utilize the potential of hydrogen as the 'fuel of the future', we are making significant strides in green hydrogen, aiming for 50% of our hydrogen consumption to be green by 2030. Our plan involves establishing a 10 KTA green hydrogen plant at Panipat and to further increase the its green hydrogen capacity to 350 KTA by 2030, which will constitute 50% of our total hydrogen generation capacity. We plan to set up green hydrogen plants across all refineries and propel the advent of Hydrogen mobility in the country. We believe that as major users increase their consumption, it will promote other industries, reduce costs, and pave the way for hydrogen mobility to gain traction in the country.

Collaborations in Emerging Greener Technologies and Energy Solutions



Recognising the immense potential of green hydrogen, IndianOil has joined hands with ReNew and Larsen & Toubro (L&T) Limited to strengthen the green hydrogen ecosystem in India.



We are establishing 30 CBG plants through JVs with GPS Renewables Pvt. Ltd., Ever Enviro Resource Management Pvt. Ltd. and Praj Industries Ltd.



Established a new Joint Venture company, GH4India Pvt. Ltd., dedicated for developing green hydrogen production assets and associated renewable energy infrastructure.



To address the upcoming Sustainable Aviation Fuel (SAF) blending mandate, we have partnered with LanzaJet to build an 86.8 KTPA SAF plant in Panipat, Haryana.

Enhancing Green Portfolio

We are actively expanding our green portfolio to meet the growing demand for sustainable fuels. In alignment with IndianOil's Net-Zero target, we are transitioning to green hydrogen, SAF, CBG, EV etc.

