

NEWS

## NTPC selects Carbon Clean and Green Power International to set up 20 TPD CO<sub>2</sub> capture plant in India

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Carbon Clean, a leader in cost-effective carbon dioxide capture and separation technology, announced today that it has been selected, with Green Power International, an independent renewable energy developer, to design and build a carbon capture plant with NTPC. When operational, the plant will capture 20 tonnes of CO<sub>2</sub> a day.

NETRA, the R&D wing of NTPC, is setting up a CO<sub>2</sub> to Methanol demonstration plant at NTPC Vindhyachal, India. Carbon Clean's technology will be used to capture 20 tonnes of carbon dioxide per day. The carbon capture solution will be installed in the plant's flue gas stack and capture CO<sub>2</sub> as it is emitted from the coal-fired boiler. Carbon Clean will work closely with Green Power International Private Limited (GPIPL), who won the contract from NTPC.

Fossil fired power plants are considered bulk emitters of CO<sub>2</sub>, a primary greenhouse gas. NTPC, India's largest power utility provider, has embarked on a path to capture CO<sub>2</sub> from waste flue gas and convert it into valuable products such as liquid fuel, organic and inorganic chemicals, among others.

NTPC is already engaged in various carbon capture and utilisation (CCU) projects, implementing technology that not only captures carbon but converts it into a valuable resource. The latest project with Carbon Clean is an example of how NTPC is positively contributing to the circular carbon economy.