



Praj wins breakthrough order to set up Compressed Biogas plant from HPCL

Pune, March 08, 2021: Praj Industries bags the prestigious breakthrough order from Hindustan Petroleum Corporation Limited (HPCL) for setting up Compressed Biogas (CBG) project at Badaun in Uttar Pradesh. Praj is offering its State of the art, worlds' first of its kind RenGas™ technology developed using proprietary microbe to produce CBG from rice straw.

The project has capacity to process 35000 MT of rice straw as feedstock to generate 5250 MT of CBG annually. In addition, the project will also generate 23,000 MT high quality solid bio-manure and 350,000 MT of liquid bio-manure for ferti-irrigation. This project has a potential to save up to 15000 MT of CO2 emissions per year. The project will be completed and commissioned within 12 months timeframe.

The Best-in-Class RenGas™ technology, to process agri-residues for the production of CBG is developed at Praj-Matrix, Department of Scientific and Industrial research (DSIR) certified the R&D centre. Praj has incorporated unique dual plug flow digester design, in collaboration with DVO Inc of USA. This patented design technology has several advantages including higher efficiency, lower energy consumption and near zero maintenance. RenGas™ technology yields are considerably higher compared to conventional biogas processes.

This project will contribute to the Ministry of Petroleum and Natural Gas (MoPNG), GOI's Sustainable Alternative towards Affordable Transportation (SATAT) initiative with an objective to promote CBG as an alternative, green transport fuel. The project will generate significant employment opportunities in surrounding farming and rural community. Agricultural waste in the form of rice straw procured as feedstock for the CBG project will provide additional income revenue stream to farmers, facilitating GOI's flagship program of Doubling Farmers Income.

Speaking on this development, Mr. Shishir Joshipura CEO & MD of Praj said, "We are delighted to partner HPCL for the CBG project at Badaun UP which will deploy RenGas™ technology an integral part of our Bio-Mobility™ platform. This project is a definitive solution to meet the challenge of air pollution related to stubble burning while simultaneously enable sustainable decarbonisation. This project will facilitate India's pursuit of energy security, and also, a definitive step towards Atmanirbhar *Bharat*. We are already executing for HPCL advanced biofuels project at Bhatinda Panjab, based on our infinity 2G technology that uses rice straw as feedstock to produce ethanol. We look forward to continue strengthening of our association with HPCL in future."

Praj Industries Limited:

Praj, India's most accomplished industrial biotechnology company is driven by innovation, integration, and delivery capabilities. Over the past three decades, Praj has focused on the environment, energy, and agri-process industry, with over 750 customer references spanning



75 countries across 5 continents. Bio-Mobility™ and Bio-Prism™ are the mainstays of Praj's contribution to the global Bioeconomy. The Bio-Mobility portfolio offers technology solutions globally to produce renewable transportation fuel, thus ensuring sustainable decarbonization through circular bioeconomy. The company's Bio- Prism™ portfolio comprises of technologies for production of renewable chemicals and materials solutions, promises sustainability, while reimagining nature.

Praj Matrix, the state-of-the-art R&D facility, forms the backbone for the company's endeavours towards a clean energy-based Bioeconomy. Praj's diverse portfolio comprises of Bio-energy solutions, Critical process equipment & skids, Breweries, Zero liquid discharge systems and High purity water systems. Led by an accomplished and caring leadership, Praj is a socially responsible corporate citizen. Praj is listed on the Bombay and National Stock Exchanges of India.

For more information, visit www.praj.net

Note: *Some of the statements made in the release could be forward-looking in nature. Such forward-looking statements remain subject to risks and contingencies particularly concerning but not limited to governmental policies, economic developments, and technological factors. This may cause actual performance to differ materially from that observed through the relevant forward-looking statement. Praj Industries will not in any way be responsible for action taken based on such forward-looking statements and undertakes no commitment to update these forward-looking statements publicly, to reflect changed realities*