Rajasthan Compressed Biomethane Project

The project is a compressed biomethane plant in Northern India, in Rajasthan. The sponsor is looking for a strategic equity investor to close the remaining funding gap towards FID, targeted for around Q4 2026.

Even though as the sponsor's first plant, execution risk is a key concern, the plant will utilize proven technology stack: anaerobic digestion, gas cleaning, membrane upgrading and compression to deliver compressed biomethane at 250 bar. Another key strength of the project is that land has been bought and converted to industrial use.

The plant needs about 28,000 tonnes of Napier grass a year, grown and collected within a 10 km radius through about 10 contract-farmers on leased land. The sponsor's sister agricultural company is expcted to will handle this while there are opportunities for use of other feedstocks such as cattle dung from nearby cattle sanctuaries.

Offtake talks for compressed biomethane sales are underway with Indian oil marketing companies under the SATAT framework with nothing firm. Also, about 4,200 tonnes of digestate solids a year will be sold to local farmers through the sister company.

Related to financial supports, the project is also eligible for the

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HySights Rating

Bankability	Cost	Emissions
D	B	D

Location: India

Products: Compressed Biomethane

Seeking: Investment

Quantity / Size:
~US$0.68m equity for 6% stake, the rest to be raised as debt. Full equity option is negotiable.

Stage: Concept

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national Bioenergy Central Financial Assistance (CFA). Upon the success of this plant, four more plants of the same size are planned in nearby districts, which would take the portfolio to 25 TPD. Each plant stands on its own, with individual phases funded independently.