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Amberpet STP to get Hyderabad's first green hydrogen plant

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HYDERABAD: The city's first green hydrogen plant may likely come up at Asia's biggest sewerage treatment plant (STP) at Amberpet.

The Hyderabad Metropolitan Water Supply and Sewerage Board (HMWSSB) has identified three acres on the premises of Amberpet STP to set up the green hydrogen plant with a 160-megawatt capacity .

Sources in the HMWSSB confirmed that the green hydrogen plant will be set up as a pilot project and modalities will be worked out. "HMWSSB officials will outline these modalities for MAUD minister KTR," said a source.

Currently, the Amberpet STP has been treating a total of 339 million litres of sewage water a day (mld). In addition to this one, works for another STP with a capacity of 212.5 mld are on at a brisk pace. This new STP is one among 31 STPs, to be built in Greater Hyderabad. The water board's plan is to use this treated sewage water for generating green hydrogen power using Archimedean Screw Turbine (AST) technology.