

Suzlon makes country's longest wind turbine blade

New Delhi (PTI): Renewable energy solutions provider Suzlon Group on Wednesday said it has designed and manufactured the country's longest wind turbine blade at its Padubidri rotor blade unit.

The advanced blade (SB 63) measures 63 metres in length and has been specifically developed for Suzlon's new S128 wind turbine family with a rotor diameter of 128 metres, 1.5 times taller than the India Gate monument in terms of height, the company said in a statement.

The S128 series offers 33 per cent more swept area (12,860 m²) and is expected to deliver 32 per cent more energy generation compared to the S111.

These rotor blades will be transported using an innovative two fold transport system, which will use a specialised 'Adapter Trailer' for the first time in India, which ensures safe and unbound manoeuvrability through hilly terrain while transporting the long blades, the statement added.