

Timor-Leste public communication base station wind power

Did East Timor have a wind station?

During 1992-1995 four masts in East Timor collected surface wind data for the Indonesian Meteorological Institute. The sites were all coastal: Dili, Baucau, Comoro, and Oecussi. Maximum mean wind speed at 24 meters was 4.3 meters/second. Neither the stations nor records appear to have survived.

Is wind power economic in West Timor-Leste?

A USAID-funded wind project has been on going in the "NTT Province" of Indonesia that also includes West Timor. Based on West Timor data, this study concludes that wind power is probably not economic in coastal areas, but it may prove to be economic in the uplands and mountains of Timor-Leste both for grid connected and off-grid applications.

Does Timor-Leste need a wind power project?

Indications are that it would not compete with the best hydropower projects at current wind generator equipment costs, but these are gradually reducing with improved technology and increased market penetration. Carbon credits may accrue to Timor-Leste from a suitable wind project. A study of wind power potential is included in this SIP program.

Are there wind resources in Timor-Leste?

The review of relevant data relating to wind resources of Timor-Leste concluded that in the uplands and mountains there is likely to be good potential. The best locations may have average wind speed in excess of 8 meters per second and wind power density of 600 W/m² or more.

Is West Timor a good place for wind?

Anecdotal evidence suggests that there may be other more suitable sites that are not sheltered. A wind mapping exercise undertaken in West Timor by the National Renewable Energy Laboratory of the United States indicated some sites with annual mean wind speeds in the range of 8.2-10.1 meters per second at 30 meters.

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