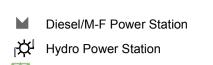
## Wind Power Vs National Energy Grid

## Legend



Sub-Station

Sub-Station 500 KV

Thermal Power Station

Transmission line

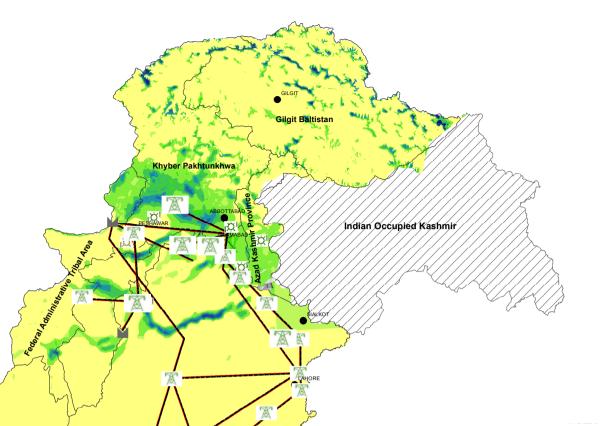
Wind Farm

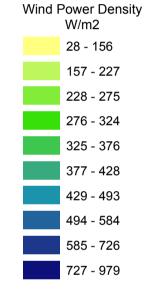
Capital

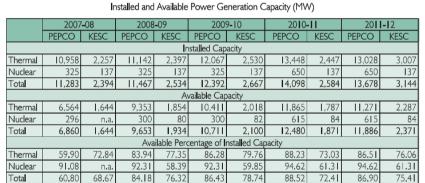
Major Cities

Provincial/Regional Boundary









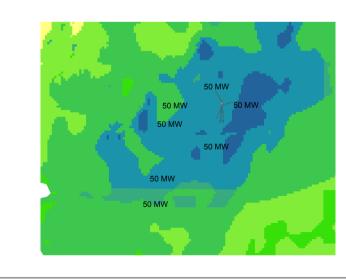
## **Current Status of Wind Projects**

Private sector has been triggered to invest in wind power. Currently 48 projects of around 32, 00 MW are under process. Government of Sindh has leased around 26,00 acres of land for 18 projects with a cumulative capacity of 906 MW which are at various stages of development. Abr account is as follows:

- •Under construction: 156 MW
- •Financial closure (expected) during 2012:200 MW
- •Financial closure by 2013:550MW

Wind Power Density Categories

Wind power density directly determines cost efficiency in using wind energy. We may categorize the density as poor (< 150 Watt/m2), fair (150 ~ 250 Watt/m2), good (250 ~ 350 Watt/m2), or excellent ( > 350 Watt/m2). Local topography, should be taken into account when executing wind energy applications as topography is very important factor when working on wind project.



## Disclaimer

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Data: wind speed and wind power data, 50m above the ground surface Source:www.nrel.gov



Projection/Datum: WGS84

Kilometers 65 130 260 390