

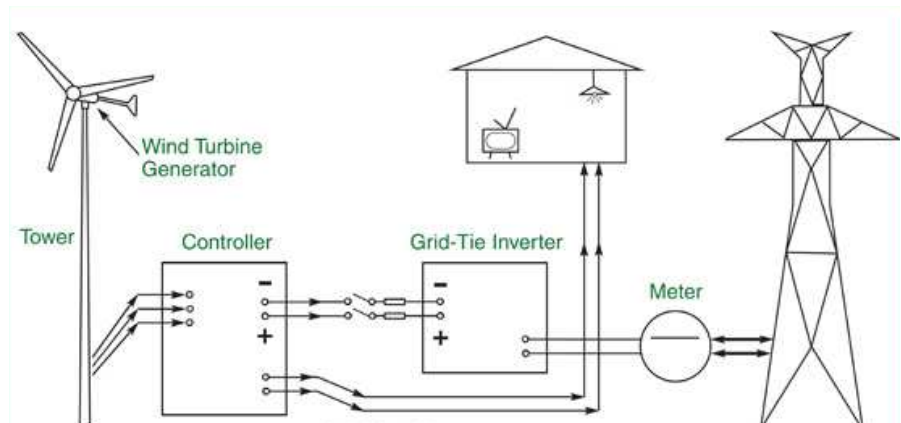
16. Wind mills

The micro wind turbine requires a wind speed of 2.5 m/sec to generate electricity. Now a days Grid tie wind generators are available where one can feed the grid if excess power is generated. Grid tie inverters do all the required balance similar to the PV grid tie inverter as explained in “Grid tie solar PV for buildings” section. It is very cheap option, cost around Rs. 60 K (\$1200) for 400 W generator with necessary accessories.

“Combination of Wind generator and photovoltaic’s makes the perfect match to produce electrify for household requirements”

400 Watts Micro wind generator with 200 Wp solar PV with inverter and accessories will roughly cost Rs. 90 K (\$1800) and this system can be used for residences.

16.1



16.2



16.3