

Testing of Generator

➤ Electrical Components

- a) **Generator: 50W PMDC (1500 RPM)** (acts as the power-generating unit)
- b) **Boost Converters:** Used to step up the voltage from the wind turbine output to match the required system voltage

➤ Motor testing:

- a) No load voltage: 9.9V at 1300RPM
- b) Current:

S.NO	Resistance Value	Current Value
1	16hom	0.5A
2	12hom	0.61A
3	8.3hom	0.84A
4	5.9hom	1.22A
5	2.6hom	2.4A