especially for identification of risk of failures in advance and to make the necessary arrangements accordingly, without site operation being affected.

Further, in the developed system power measurements are done, only for the solar array output with the OutBack charge controller and the generator output with the rectifier controller. It is important to have the generated output from the wind turbine, power consumed by the load and the battery charging data so that the system could be further improved to compare the actual results with the simulation results at the design stage.

References:

[1]   White Paper, Alternatives for Powering Telecommunications Base Stations, Motarola Inc, 2009

[2]   Folgat, Solar Power Supplies for Telecom Applications, FOLGAT AG –
        Frankfurt am Main – Germany

[3]   Outback Power Systems, MX60 PV MPPT Charge Controller, User's Manual
        Installation   and Programming, April 2008 Revision A

[4]   http://www.deltaelectronicsindia.com/tps_psc3_controller.aspx