

## Dhole's Den, Bandipur

### Leading the Way in Energy Conservation and Renewable Energy



*Combined wind and solar generation at Dhole's Den.*



*Tree planting and wide eaves provide natural shade and cooling.*

Trees planted around guest accommodation provide natural cooling. Natural light has been exploited to the maximum extent with large windows and doors. High ceilings, proper insulation in the rooms and wide eaves help maintain ambient temperature.

Dhole's Den has led from the front in energy conservation around Bandipur National Park. A micro wind and solar power hybrid generator from Supernova Technologies, Gujarat, producing about 10 kwh of power, is enough to take care of almost all the lodge's energy needs. Power from the grid is used only for pumping water. Separate decentralised solar energy units from the same company have been installed for use in the kitchen, bungalow and other areas. Fencing is solar powered.



*Decentralised solar energy units.*



Room interiors exploit natural light and air with energy saving measures in place to minimise energy consumption.



Encouraging guests to save power and water.

The rooms do not have coffee-makers, air-conditioners, jacuzzies and televisions to minimise electricity consumption. LED lighting is used throughout the property, reducing the energy consumption of a guest bungalow (1,200 sq ft) to 60 w when all lights are used and under 25 w when only dedicated green energy is used. All appliances used on the lodge premises are BEE star-rated. Lights have been fixed only where required to reduce light pollution and disturbance to wildlife.

Biogas is produced from kitchen waste producing fuel for cooking. The lodge has its own sizeable organic garden growing produce for the kitchen and maximises local procurement to reduce its carbon footprint. Guests are informed through verbal briefings and signage to conserve energy and water.



Biogas unit.



Solar powered fencing.



Kitchen garden and local procurement to reduce carbon footprint.