

Doctors For You – Vistex Hospital



 Masarhi, Bihar

Background

- 50 bedded hospital providing primary and secondary services
- establishment of the hospital came out of the need for a healthcare facility in the rural area of Masarhi in Bihar
- The idea was to build an energy efficient and sustainable hospital, to avoid the frequent power cuts as are witnessed in rural areas of India

Sustainability interventions implemented

SOLAR ENERGY



- 14 kW solar power system
- 60% of energy needs met with solar energy
- Medical equipment along with other electrical equipment work on solar energy

GREEN BUILDING DESIGN



- The building design allows natural light to come in during the day time
- This significantly cuts down the use of electricity for lights



- Upper floor of the hospital constructed out of agri bio panel
- It is a sustainable material made out of straw left after harvesting rice

PROGRESS ACHIEVED

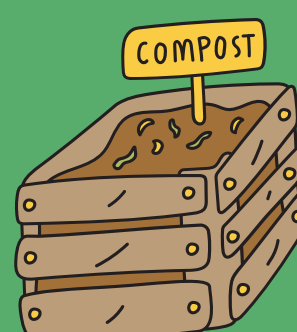


58% of energy and related costs saved



Savings of around Rs 7,78,353 (USD 10,435) per year due to combination of solar energy, energy efficient equipment and green building design

BIODEGRADABLE WASTE REUSE



- Two containers of capacity 200 liters each for composting
- Compost is used in the kitchen garden

RAINWATER HARVESTING



Used for recharging ground water