



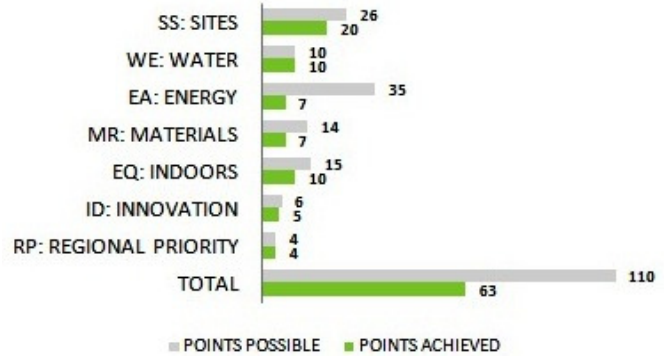
CASE STUDY: HYATT PLACE, HAMPI



KEY PARAMETERS

Occupancy Type	Hotel
Built up area	111,557 Sq ft
Completed	January 2014
Location	Hampi, Karnataka
Green consultant	En3 Sustainability Solutions
Rating System	LEED India NC 2011
Rating Achieved	Gold

IGBC SCORES



Hyatt Place, Hampi achieved LEED GOLD certification under LEED India NC version 2.0. The Hotel sports many green features that directly contribute to the environment in terms of reduced energy consumption, impact on the local environment and usage of natural resources. En3 has been working closely with the Hyatt Place Hotels team to make their new hotel and resort at Hampi a green building.



SITE SUSTAINABILITY FEATURES

- The project is located in close proximity to public transportation thereby minimizing transportation pollution and strain on local infrastructure
- Provision of battery charging stations for **6.6%** of the total car parking capacity in an effort to promote use of alternative and low emitting vehicles and to reduce transportation pollution.
- The project has provided providing bicycle racks and shower & changing rooms for 5% and 0.5% of the peak building occupants
- Provision of carpooling spaces for **5%** of the total car parking capacity within the premises in an effort to promote share-rides to reduce transportation pollution as well as strain on the local infrastructure.
- The project has provided vegetated open space area of 14,785 sq m which is much greater than the building footprint
- 100% of roof area is covered with a highly reflective material to reduce heat islands and to minimize impact on microclimate and human and wildlife habitat.

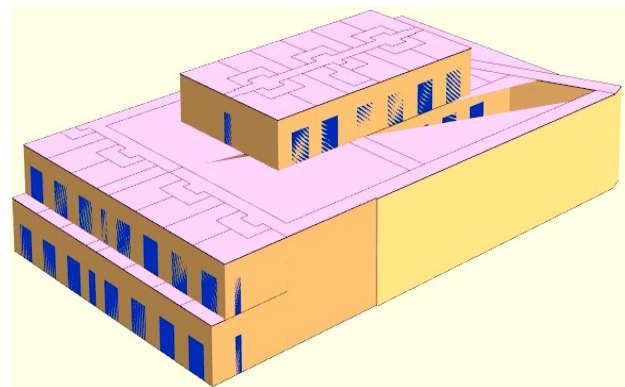
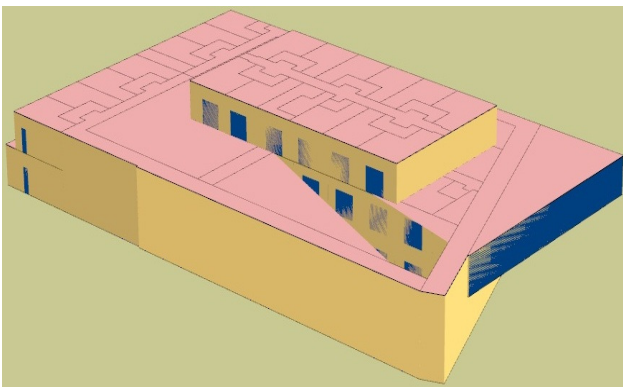


WATER EFFICIENCY

- Water is an integral part of Hotel Campus and every effort is been taken to minimize water use by installing water efficient fixtures. Low flow dual-flush toilets, sensor based urinals and other low flow fixtures have been selected to install at site to reduce water consumption by over 42.4 %.
- 100% of design case irrigation water requirements (13,714 gallons/day in the month of June) are met through treated gray water
- 100% of wastewater is being treated onsite to tertiary standards.

ENERGISING THE BUILDING

- Energy efficiency measures such as Hi albedo paint on roof, efficient lighting design, efficient HVAC design , VRV systems and energy Recovery Wheels for saving more energy than the conventional systems.
- The whole building design demonstrates an improvement of 16.34% in energy costs, as compared with the base building of ASHRAE 90.1-2007
- Selection of CFC free and HCFC free refrigerants thereby avoiding global warming and ozone depletion.





RESOURCE MANAGEMENT

- The project has ensured up to 95.86% of total construction waste of debris has been recycled or reused thereby diverting them from landfills.
- The project has achieved a combined recyclable content value of 20.62% of total material by cost thereby reducing virgin material exploitation.
- 34.77% of the total value of materials used in the project is extracted, harvested or recovered, as well as manufactured, within 325 km of the project site.
- 7.70% of the total value of construction materials has rapidly renewable content.

INDOOR ENVIRONMENTAL QUALITY

- In order to support enhanced IAQ and long-term well-being of all occupants, 30% more than the minimum ventilation rates as per ASHRAE standards is provided.
- The entire building is a non-smoking building thereby ensuring the health and safety of all its occupants.
- Low emitting paints, carpets and composite wood products have been used to enhance the indoor environment and provide superior workplace for all employees.
- After completion of all interior activities, the project has done proper building flush out in line with LEED requirement to enhance their staff working spaces.
- 95.8% of the individual spaces are provided with individual lighting controls and 100% of the multi occupant spaces are provided with group controls



NOVELTIES

- Eco friendly house keeping chemicals, as well as chemical free organic fertilizers will be used for landscaping. Only Green Seal certified housekeeping will be used in the project to address health, hygiene and well being of guests and staff. The building has been designed by En3 to showcase various green and sustainability measures and practices to ensure great amount of awareness is created by the buildings to promote green awareness to all the visitors and occupants & spearhead the green movement in the state and the country.

En3 would be glad to answer any queries or questions you have on any green or sustainability related topics. Feel free to contact us at info@en3online.com and for more information about us and our work visit www.en3online.com