



New Integrated Passenger Terminal at Chandigarh becomes the first airport to achieve 4-star GRIHA rating

New Delhi, September 11, 2015: The New Integrated Passenger Terminal at Chandigarh inaugurated today by Hon'ble Prime Minister Narendra Modi has achieved a 4-star GRIHA Rating. This is the first airport building to achieve a GRIHA rating. The terminal is designed for a capacity of approximately 1500 passengers and both national and international flights will operate from this terminal.

The project was evaluated on the GRIHA (Green Rating for Integrated Habitat Assessment) parameters of green building such as sustainable site planning, building design, energy efficiency, water efficiency, sustainable materials and health and well-being. The project has demonstrated a reduction of 50% electrical energy use, 39% irrigation water requirement and 67.36% building water use from the GRIHA benchmark.

The terminal building has been designed for optimal solar orientation with appropriate shading to minimize heat gain and maximize energy efficiency. The glass area is limited to 58% of the façade area and the roof is well insulated. Further, the central air-conditioning of this building is controlled by variable frequency drive (VFD) and advanced building management system (BMS) for high efficiency.

The building has been constructed using sustainable materials such as fly ash bricks and recycled products. In addition, all toilets are equipped with water efficient fixtures and all the sewage waste generated will be treated on-site in the sewage treatment plant (STP) of 600 KLD. All the treated water will be reused on site for flushing and landscaping.

About GRIHA Council

TERI-GRIHA (developed by TERI) was launched in 2005, which was subsequently adopted by the Ministry of New and Renewable Energy (MNRE), Government of India in 2007. GRIHA Council was established jointly by TERI, MNRE and other stakeholders as an independent body for further development and operationalisation of GRIHA in 2009. GRIHA is a tool developed by

TERI, with an objective to ensure energy-efficient building construction. It is a tool that combines initiatives essential for mainstreaming sustainable habitats in India. It helps to design, build, operate and maintain a resource-efficient built environment.

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