

SGS PROVIDES COMMISSIONING SERVICES FOR LEED GREEN BUILDING CERTIFICATION AT INDIRA GANDHI INTERNATIONAL AIRPORT IN NEW DELHI, INDIA

MAY 2012



In October 2009, SGS was awarded a contract to perform LEED green building commissioning services and management during the construction of a new terminal at the Indira Gandhi International Airport in New Delhi, India. From December 2009 to June 2010, the SGS team of experts performed all third-party commissioning services, required for obtaining the LEED green building certifications, including preparation of a commissioning plan, reports, measurement and verification plans as well as the indoor air quality (IAQ) management plan and re-commissioning the management manual. In addition, SGS conducts a post-occupancy evaluation of the energy performance at the airport, lasting until April 2011.

SGS CHOSEN FOR LEED GREEN BUILDING COMMISSIONING SERVICES AND MANAGEMENT AT INDIRA GANDHI INTERNATIONAL AIRPORT IN NEW DELHI, INDIA

LEED (the Leadership in Energy and Environmental Design) is a third-party certification program and the nationally accepted benchmark for the design, construction and operation of high-performance green buildings. LEED encourages and accelerates the global adoption of sustainable green building and development practices through a suite of rating systems which recognise projects that implement strategies for better environmental and health and safety performance. Moreover, LEED gives building owners and operators the tools to have an immediate and measurable impact on their buildings' performance.

As LEED green building certification has become the goal of many public and private building owners, lenders and government officials, a global infrastructure organisation decided to adopt LEED for the construction of a new terminal at the Indira Gandhi International Airport in New Delhi, India.

Due to the fact that incorporation of a fundamental level of commissioning services into the project is necessary for obtaining LEED certification, the company looked for a reliable inspection, verification, testing and certification company.

Consequently, in October 2009, SGS India was awarded the contract to perform commissioning services and management for the entire project, due to its extensive experience and competence in this field.

SGS COMMISSIONING SERVICES FOR INDIRA GANDHI INTERNATIONAL AIRPORT IN NEW DELHI, INDIA

From December 2009 to June 2010, SGS provided commissioning services and management for the construction of a new terminal at the Indira Gandhi International Airport in New Delhi, India. The SGS team of experts performed all third-party commissioning services, required for obtaining the LEED green building certifications, including preparation of a commissioning plan, reports, measurement and verification plans. Moreover, SGS implemented the indoor air quality (IAQ) management plan in accordance with the Sheet Metal and Air Conditioning National Contractors Association (SMACNA) in order to prevent indoor air quality problems resulting from the construction process. Furthermore, SGS developed the re-commissioning management manual, a comprehensive, multifaceted document for the building owner and operator to use throughout the lifetime of the building in order to monitor and keep all systems operating efficiently and effectively. In addition, SGS conducts a post occupancy evaluation of the energy performance at the airport until April 2011, which includes the testing of heating, ventilation and air conditioning units (HVAC), as well as lighting and diesel generators sets.

Due to the extensive experience of SGS, the new terminal at the Indira Gandhi International Airport in New Delhi was constructed with the goal of obtaining the LEED green building certification in mind. SGS experts carried out commissioning services in accordance with local and international standards, such as USEPA (US Environmental Protection Agency), SMACNA (Sheet Metal and Air Conditioning Contractors National Association), ASHRAE (American Standard for Heating, Refrigeration

and Air Conditioning Engineers), NEBB (National Environmental Balancing Bureau) and NIBS (National Institute Building Science).

The biggest challenge for SGS was conducting the commissioning services of more than 800 air handling units (AHU) over 4 million square metres of air conditioning space. SGS successfully fulfilled this task to the full satisfaction of the client, which resulted in being awarded new contracts on an even greater scale.

ABOUT SGS COMMISSIONING SERVICES AND MANAGEMENT

With SGS commissioning services and management, SGS offers its commissioning support in every area, at any stage, and in any country in the world. SGS provides all tests necessary to transfer a plant from construction to operation, in the areas of instrumentation, electrical, mechanical/VAC, safety, telecommunications and piping.



CONTACT

INDUSTRIAL.GLOBAL@SGS.COM, WWW.SGS.COM/CONSTRUCTION

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