

GALAXY ENERGY SOLUTIONS LLP

THE LALIT, JAIPUR



The **Hotel Lalit** is a 5 star category luxury hotel, situated near airport terminal 2 of Jaipur, having room capacity of 268. It also caters to corporate, meetings, parties and events. The objective of Hotel Lalit is to provide value added services to its customers, whether they are guests or enjoying services. The management is striving hard to systematically reduce consumption of energy in term of electricity or fuel. It has been reported by the management that they are pioneers and trend setters in terms of energy consumption for similar size and class of hotels.

M/S Galaxy Energy Solutions met the management and apprised them with energy saving solution to be used in heating or cooling process in the hotel industry. The management took it very positively and allowed to conduct study on heating and cooling requirements of hotel. The M/S Galaxy ENS and hotel management had series of meetings to discuss technical aspects and then the decision to install “HYDROMX an Energy Saving Solution “was made. The hotel management consented to use Hydromx in hot water generator to begin with and have found savings of 34% consistently.

GALAXY ENERGY SOLUTIONS LLP



PROCEDURE & SAVINGS

Galaxy Energy Solutions installed a data logger to obtain temperature settings and run hours of hot water generator. After installation of data logger and having historical data of hot water usage & diesel consumption, water was replaced by Hydromx in the primary heating circuit and water with 50:50 ratio.

With the analysis of data the total hot water consumption of hotel for the period of approx. three months has increased from 1180.6 KL to 1384.4 KL whereas HSD consumption has reduced from 17530 liters to 13730 liters. In the period, thus a saving of approx.33.2% on account of fuel was observed. Since the consumption of HSD depends upon numerous factors viz. atmospheric temperature, nature and use by customers, occupancy and party catering status etc. We may safely conclude the saving of more than 33% in all conditions.

Hydromx Summary, “Hotel The Lalit”, Jaipur

- 2 x 6, 00,000 kcal Thermax boilers.
- Fuel Consumption: 62 Liters/ hr
- Fuel: HSD
- 33% energy saving.
- ROI < 1 Year
- Reduction of 50 tonnes co² per annum.
- Reduction in overall runtime 25%.