

## **ABSTRACT**

### **Assessment and Evaluation of Air to Air Heat Recovery Devices in Air-Conditioning Application for Indian Conditions**

This work analyses the impact of air – to –air heat recovery on hospital air-conditioning system design and operations for Indian conditions using hourly simulations. The work involves heat recovery cumulative impact as well as impact on air-conditioning sub-systems. The results show that if energy recovery is used, equipment eg. chillers, AHUs, Pumps etc. can be downsized while simultaneously saving operating energy of the system.