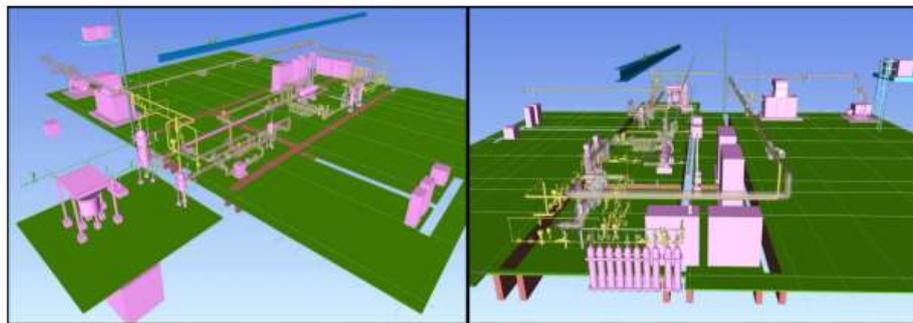


Studies on Aerosol Behavior under Severe Accident Conditions in the Context of Indian Nuclear Reactor by Setting up of National Aerosol Facility

The main objective of this project is to undertake collaborative R&D studies on aerosol behaviour under severe accident conditions in the context of Indian Nuclear Reactors by setting up of a state-of-the-art National Aerosol Facility (NAF) at the Indian Institute of Technology Kanpur. More specifically, the programme will involve experimental studies on aerosol behaviour in the simulated PHT system in the first phase and in the simulated containment system in the second phase. This Programme is of direct relevance and applicability to Department of Atomic Energy (DAE) as aerosol related issues in the context of reactor safety are still an open area of research as per the latest report of Committee on the Safety of Nuclear Installations (NEA/CSNI/R(2009)5).



3-D layout of the complete NAF facility