

Information on e-Quest Training Program for Building Consultants (Architects / Engineers) in Jharkhand

The basic intention of the State Designated Agency – Jharkhand (JREDA) for carrying out this training program for Building Consultant (Architects / Engineers) is to help them understanding the basics of carrying out Energy Simulation of a building through one of the most commonly available and free software, *e-Quest*.

The Training Programme will be free of cost for all and will be conducted by a highly experienced Agency in the field of Building Energy Simulation, and will entail following:

- Introduction to codes and standards including ECBC, NBC, ASHRAE 90.1, 55, 62.1 and other relevant codes used in energy simulation. ECBC and its whole building energy simulation method shall be focused and introduced.
- Introduction to energy simulation:
 - Importance of energy simulation and its requirement
 - Energy simulation process.
 - Brief introduction to various tool used for energy simulation.
- Introduction to eQuest software to the participants and the hands-on practice on:
 - 2D zoning on CAD drafting software
 - eQuest – Wizard mode – Building structure creation and basic inputs related to building site and geometry etc.
 - eQuest – Detailed mode – Detailed study and inputs related to building envelope, lighting, occupancy, running schedules, plug loads, Heating, Ventilating and Air-Conditioning systems (HVAC), utilities etc.
 - ECBC compliance using whole building energy simulation through base case and proposed case energy modelling and EPI comparison.

The Training Programme will be Webinar based consisting of a total of six session of two hours each spanning over of two weeks' time. Every participant will have to attend the training online. Therefore, interested Applicants are requested to provide their Contact Number and E-mail ID in their applications. All the interested Applicants will have to download the APPLICATION FORM from JREDA Website and submit their application at JREDA office by 31st October, 2020.

Address for Application Submission:

**Jharkhand Renewable Energy Development Agency, 3rd Floor, SLDC Building,
Kusai Colony, Doranda, Ranchi – 834002.**