



# Dynamic Designs

Stage 2 brief – The Final



1. Introduction.....	1
2. Date and Venue for final Event.....	2
3. The Presentation on your Hospital Proposal .....	3
4. Model Construction and Shaking-Table Tests.....	3

## 1. Introduction

Congratulations! Your team has qualified for the Final. In this Stage, your team must prepare for a final event when you will be competing against 12 other teams. At the final, your team must present your proposal for the new hospital to a panel of experts and construct the model of your building, which will be tested the same day on a shaking-table.

In Stage One, you received the “Model Specification”, which presents the specification for the structural design of your model and the details of the shaking-table tests which will be run at the Final. Following this, you can develop your design further (if you wish) and construct and test trial versions of your designs.

This Stage Two Brief presents the details of the Final and the specification for your presentation.



## 2. Date and Venue for final Event

**Date:** Thursday 30th September 2010

**Venue:** Earthquake Engineering Department, Indian Institute of Technology, Roorkee

**Agenda:** The following agenda is just a guideline of how the day will be conducted. A final agenda will be confirmed on the 20th September 2010.

Time	Agenda for team members building models		Agenda for team members presenting
<b>8:15 – 8:50</b>	Teams Register. Play money handed to each team with base board. Teams purchase initial materials from shop.		
<b>9:00</b>	Welcome by IIT Roorkee & British Council		
<b>9:10</b>	Short Earthquake Engineering talk & demonstration by University of Bristol		
<b>9:30</b>	Model construction	9:30	<i>Teams 1-4 set up presentations (Other teams can help with model building)</i>
		10:00	Presentations from 4 teams (8 minutes talk, 3 minutes questions).
		11:00	Refreshment break <i>Teams 5-8 set up presentations (Other teams can help with model building)</i>
		11:30	Presentations from 4 teams
<b>12:30</b>	Lunch break		
<b>13:00</b>	Model construction	13:00	<i>Teams 9-12 set up presentations (Other teams can help with model building)</i>
		13:30	Presentations from 4 teams
		14:30	Judges meeting on presentations <i>(Presenters can help team finish model)</i>
<b>15:00</b>	Judges check models Models fixed to shaking-table		
<b>16:00</b>	Test models on shaking-table		
<b>17:00</b>	Presentation of prizes ( <i>Prizes for Best Presentation, Most-efficient model, Overall winner</i> )		
<b>17:30</b>	Event finishes		



### 3. The Presentation on your Hospital Proposal

The purpose of the presentation is for your team to convince the judges that your proposal for the hospital is the one that best satisfies Mr Dunwell's requirements. You will need to demonstrate that the structure has a good earthquake resistant design, and justify the balance between the total cost of your proposed building and its value and benefits to the region and Mr Dunwell.

#### 3.2 Rules for the Presentation

- **Delivery:** Teams will deliver their presentations throughout the day of the Final. At least two members of your team **MUST** attend all other team presentations, and at least two members of your team **MUST** deliver your team's presentation. During the day, you can change the members of your team that attend the presentations. They do not have to be the same people all day.
- **Language:** The presentation must be delivered wholly in English.
- **Format:** The presentation can be delivered in any way that you wish. For example, you can use a PowerPoint presentation, flip charts, models, or anything else. The organisers will provide a computer with projector, a flip chart stand and a table for any models you bring. You must advise the British Council, Education UK (Tel: 022-67486715/ email: [Shruti.khanna@in.britishcouncil.org](mailto:Shruti.khanna@in.britishcouncil.org)) of any other requirements for your presentation by 20th September 2010.
- **Timing:** Your presentation **MUST NOT** last longer than 8 minutes, after which the judges will ask your team members questions on your proposal for up to 3 minutes.
- **Content:** Your presentation must include:
  - Images for the final structural design of your building;
  - Technical justification of your design;
  - The cost of the structure;
  - Architectural images of the exterior only of your proposed hospital;
  - The main social and economic benefits of the hospital to the town and region;
  - The benefits and value of the building design (architectural and structural) to Mr Dunwell.
  - You can also include any other information that you feel is relevant.

#### 3.2 Judging Criteria for Best Presentation

The presentation will be judged on:

The structural design (20%)

The architectural design (20%)

The benefits of the proposed hospital to the region and Mr Dunwell (20%)

Value for money for the proposed building (20%)

Standard and style of the presentation (10%)

Good use of English (10%)

### 4. Model Construction and Shaking-Table Tests

The "Model Specification" provides the rules for the model that you will construct at the Final, details of the materials and equipment for the Final, and details of the loading and shaking-table tests.