



Energy Efficient Buildings Workshop Series on “Low carbon materials and building systems”

Tentative Program Schedule

Eleventh Workshop: 13 – 18 February 2017

First day

09:30 – 10:45 Green buildings concepts and Sustainability

10:45 – 11:00 Tea Break

11:00 – 13:00 Stabilised soil blocks for masonry

13:00 – 14:00 Lunch break

14:00 – 14:30 Soil identification and testing

14:30 – 17:30 Stabilised soil block production and masonry construction

Second day

09:30 – 11:00 Alternative roofing systems

11:00 – 11:15 Tea Break

11:15 – 12:15 Masonry vaults and domes

12:15 – 13:00 Mortars and masonry design

13:00 – 14:00 Lunch break

14:00 – 15:00 Slide show on vaults and domes

15:00 – 17:30 Demonstration of dome and vault construction

Third day

09:30 – 10:30 Energy, Environment, Buildings and sustainability

10:30 – 10:45 Tea Break

10:45 – 11:45 Rammed earth for walls

11:45 – 13:00 Lighting, BiPV and energy in tropical regions

13:00 – 14:00 Lunch break

14:00 – 17:30 Rammed earth, adobe, jack-arch panels and precast elements demonstration

Fourth day

09:30 – 10:30 Earthquake resistant masonry buildings

10:30 – 10:45 Tea Break

10:45 – 11:45 Thermal comfort – an overview

11:45 – 13:00 Fly ash blocks, bricks and building materials from solid wastes

13:00 – 14:00 Lunch break

14:00 – 17:30 Visit to RE class room, demonstration of testing of blocks and masonry elements,
shock Table (video)

Fifth day

09:30 – 10:30 Solar passive architecture

10:30 – 10:45 Tea Break

10:45 – 12:30 Green rating systems & examples, Energy assessment in buildings

12:30 – 13:30 Lunch break

13:30 – Field visits

Sixth day

09:30 – 10:30 Guest Lecture from practising Architect/Engineer on earthen structures

10:30 – 10:45 Tea Break

10:45 – 11:45 Domestic roof water harvesting

11:45 – 13:15 Alternative building technologies dissemination & experiences and feed back

13:15 – 14:00 Lunch