



# Sanjay Ghodawat Group of Institutions

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## Department of Civil Engineering



## High Volume Fly Ash Concrete Cube Competition

22<sup>nd</sup> & 23<sup>rd</sup> February, 2019

### Objectives ►►

The objective of the workshop is to provide Hands on experience to have genius feel of Concrete and behaviour.

### The Competition ►►

To produce high volume fly ash concrete to achieve, as closely as possible, a compressive strength of 30 Mpa on the day of competition at the time of testing the cubes.

### Eligibility ►►

- The competition is open to Students of all Engineering Colleges, from civil engineering discipline.
- A team of competitors shall consist of maximum three participants. More than one team from the same institution can take part in the competition, however each team shall have different set of participants and mix design.
- The completed 'Data Sheet' must form part of Mix Design Report duly certified by a senior member of the institution, Head of the Department / Faculty Member etc.

### Use of Materials ►►

- Coarse and fine aggregates from natural sources shall comply with the requirements of IS:383. The maximum size of coarse aggregates, gravel or crushed stones shall not exceed 20 mm.
- Ordinary Portland Cement (IS:269/IS8112/IS 12269)
- Partial replacement of cement with Fly Ash Not other cementous material like silica fume, GGBS etc.
- Chemical admixtures which conform to IS:9103 or ASTM C-494 or 1017, as applicable may be added.

### Curing and age of cubes ►►

- Minimum 7 days curing shall be done in clean fresh water at ambient temperature in accordance with relevant Codes.

### Cube Specimen ►►

- Cubical test specimens shall be of 150 mm x 150 mm x 150 mm in size within a tolerance limit of 2 mm, cast as monolithic one unit.
- Minimum 3 cubes shall be submitted with each entry.
- Load will be applied on the face marked 'X' by participants.

Note: All participants should present their cubes on 22<sup>th</sup> Feb., 2019

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1<sup>st</sup> Prize  
Rs. 10,000 /- with Certificate

2<sup>nd</sup> Prize  
Rs. 7,000 /- with Certificate

3<sup>rd</sup> Prize  
Rs. 5,000 /- with Certificate



Make your dreams  
Concrete

Entry Fee  
Rs. 500 / -

### Contact

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SGI Student Chapter of ACI

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