



**Department of Civil Engineering
Indian Institute of Technology Kanpur**

Initiative for Construction Safety Awareness – The Way Forward –

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With India poised to make a significant investment of resources in creation of infrastructure, there is an urgent need to ensure that we have a robust framework in place to ensure a safe working environment.

Safety is primary about worker health and well being, but the components relating to time, equipment, reputation, etc. cannot be lost sight of.



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Workshop objectives

- **To create awareness of critical construction safety issues**
- **To deliberate on possible safety legal frameworks that are applicable to India**
- **To discuss academic initiatives and programmes in construction safety**
- **To try to chalk out a ‘way forward’ to sustain professional activity in the area**



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Participants

- Academic institutions
- Research establishments
- Construction companies
- Consulting organizations
- Project managers
- 'Owner' organizations



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Workshop has sessions on:

- Wider picture of area
- Regulatory mechanisms
- Compliance issues
- Special considerations
- Workers perspectives

Break out sessions

Discussion in smaller groups to identify 2-3 specific (doable) projects – along with volunteers to carry out the work !!



Long Term Objectives

- **Platform to address issues of construction safety in participatory and consultative approach.**
- **Create an organisation of major stakeholders of the construction industry to address issues of safety at construction sites through**
 - **Self-regulation and dialogue**
 - **Dissemination of good practices**
 - **Knowledge creation through primary research**
- **Formulate policies on construction safety across the industry**
- **Implementation of agreed upon standards in a time bound manner with measurable metrics**



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Way-Forward

- **Create awareness towards construction safety issues**
- **Discuss academic initiatives and programmes in**
 - **interventions in law, statutes, policy, standards, manual, research**
 - **Data repository to to collect, compile, and publish the accident statistics from all government and industry regularly**
 - **Develop models to identify unsafe work, behaviour of workers and employees**



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- **Invite research proposals from industry, academic, research institute about highly priority topics**
- **Work with BIS to design relevant codes.**
- **Prepare and publish the different manuals, monograms**
- **Increase the sharing and use of industry-wide practices, policies, and partnerships that improve safety and health performance.**



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Phase 1

Location: IIT Kanpur

Scope: Concentrate on only safety issues to begin with – to add keywords like health and environment later on



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Activities

- **Organizing workshops**
- **Office at node**
- **Carrying out a few doable projects**
- **Dissemination/sharing of information
(Publishing/website)**



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Some small (doable) research projects

- **Data collection – global (national) and local levels**
- **Using IT for promoting construction safety**
- **Collection of data relating to CESS collection and utilization in different states**
- **Development of research proposals for future funding from different source**
- **Academic initiatives – develop courses / curriculum**



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Funding

Years,

INR (in lacs)

| S No | Item | 1 | 2 | 3 | Total |
|------|-------------------------------|-----------|-------------|-------------|------------|
| 1. | Workshops in different parts | 10 | 10 | 10 | 30 |
| 2 | Publications | 5 | 6 | 7 | 18 |
| 3 | Website development | 1 | 1 | 1 | 3 |
| 4 | Small research projects | 5 | 7 | 7 | 19 |
| 5 | Travel | 2 | 2 | 2 | 6 |
| 6 | Office staff (2 x 15000 x 12) | 4 | 4 | 4 | 12 |
| 7 | Contingent expenditure | 3 | 4 | 5 | 12 |
| | Sub Total | 30 | 34 | 36 | 100 |
| 8 | IIT OH @ 20% | 6 | 6.8 | 7.2 | 20 |
| | Total | 36 | 40.8 | 43.2 | 120 |



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**Operation of Phase-1 through an advisory
body or committee drawn from here !!**



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Operation of Phase-1 through an advisory body or committee drawn from here !!

Phase-2 could see inauguration of a **Centre for Construction Safety Studies.**



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- **Sincere thanks to all of you for coming here and spending a weekend for this event.**
- **I hope you will find that it was an worthy investment**



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:: THANK YOU ::



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