



INDIAN CONCRETE INSTITUTE
Bengaluru Centre

In association with
Organises



**DAYANANDA SAGAR
COLLEGE OF ENGINEERING**
Bengaluru

1-Day National Seminar on

Geopolymer Concrete Applications: Challenges and Opportunities

(Smart Techniques and Solutions for Ecofriendly Sustainable Constructions)



On 18th February 2020, Tuesday

Venue: Premachandra Sagar Auditorium, DSCE, Kumaraswamy layout Bengaluru – 560 078

INTRODUCTION: GEOPOLYMER CONCRETE

In this drastically developing world it becomes very important for us as civil engineers to focus both on the global development and also its impact on the environment. This kind of approach leads to many innovations and researches which helps in conserving the environment without compromising on the developments. One such innovative technology is the geopolymer concrete.

Geopolymer concrete is an eco-friendly technology which makes use of the waste by products (fly ash, ground granulated blast furnace slag, etc.) from the various other industries in the preparation of the concrete instead of the ordinary Portland cement (OPC). The evidences from various researches show that using of OPC in the preparation of concrete leads to almost 5-8% of the manmade global carbon-di-oxide emissions. By using materials like the fly ash and GGBS for the preparation of the concrete almost reduces the carbon-di-oxide emission by 90% when compared to the usage of OPC in concrete.



In line with this continuing endeavour, ICI-BENC is organising a 1-Day Seminar entitled “**Geopolymer Concrete Applications: Challenges and Opportunities**” on **18th February 2020, Tuesday, at Premachandra Sagar Auditorium, Dayananda Sagar College of Engineering, Bengaluru**. Get to know from the experts and hands-on professionals will speak on vital aspects.

Please register early to book your seats in advance, as registration is limited. Limited Sponsorship slots are also available. Please get in touch with ICI-Bengaluru Centre office. For more information and for registration (contact details mentioned overleaf).

We look forward to meet you at this Seminar for a wonderful interaction of professionals, knowledge-updation and skill-enhancement.

TO REGISTER AND FOR MORE DETAILS, PLEASE CONTACT:

Dr. L R Manjunatha
Chairman, 9480682100

Dr. R L Ramesh
Secretary, 98456 57560

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EX-OFFICIO : Er. Ravishankar M, Dr. Radhakrishna

Members : Er. Shivaprakash G, Er. Narayana Gowda T N, Dr. Anand Kumar B G

Co-opted Members : Er. Raghavendra D, Er. Vishwanath Dalawai, Er. Savin Kumar, Dr. Asha K, Dr. Neethu Urs, Er. Srivatsa S

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Session - 1

**Keynote address & Presentation on –
A comparison between concretes made using
Geopolymer and Portland cement as binders**



Dr. Rajamane N P

Head - CACR
SRM Institute of Science and Technology,
Chennai.

Session - 2

**Presentation on –
Geopolymer: An Alternative Binder**



Dr. R V Ranganath

Professor, Dept of Civil Engineering,
BMS College of Engineering, Bengaluru.

Session - 3

**Presentation on –
Geopolymer composites to cater the needs of
costal area producing the same by using marine water**



Dr. T. Venu Madhav

PRINCIPAL
Audisankara Institute of technology
Gudur (A.P), India.

Session - 4

**Presentation on –
Development and applications of Geopolymer masonry**



Dr. Radhakrishna

Professor & Head, Dept of Civil Engineering,
R.V. College of Engineering, Bengaluru

Session - 4

**Presentation on –
Applications of Geopolymer Concrete**



Prof. SK Singh

Senior Principal Scientist & Professor, AcSIR,
CSIR-Central Building Research Institute,
Roorkee-India



Please Note: Schedule is subject to modifications depending on contingencies that may arise.

DELEGATE FEE:

Members of ICI, ACCE, INSTRUCT	- Rs. 1,500
Non-member	- Rs. 2,000
ICI Student Member	- Rs. 750
Non-Student Member / Research Scholars	- Rs. 1,000

For Payment through online banking, please note the following details:

Electronic Transfer: RTGS / NEFT Details :

Account Name : Indian Concrete Institute – Karnataka, Bangalore Centre
Account No. : 04121010000530
Account Type : Current Account
Name of Bank : Syndicate Bank
IFSC Code : SYNB0000412
Branch Name & Address : **J.C. Road Branch**, Jasmine Mansion, J C Road,
Bengaluru – 560 002 Karnataka.
Pan No : AAATI0256J / GSTN No : 29AAATI0256J12M

SPONSORSHIP & MARKETING COLLATERALS:

Gold Sponsor: Rs.50,000/- (Includes free admission to 5 delegates + insert of Three technical literatures in Delegate Kit). Presentation slot of 10 minutes will be allowed + One standee space & Logo display at backdrop.

Silver Sponsor: Rs.25,000/- (Includes free admission to 3 delegates + insert of Two technical literatures in Delegate Kit). One standee space & Logo display at backdrop.

Supporting Orgn.: Rs.15,000/- (includes free admission to 2 delegate + insert of One technical literature in Delegate Kit) & Logo display at backdrop.

Rs.10,000/- Insertion of Two-Marketing collaterals in Delegate Kit:

Above payments are excluding GST 18%

Please email receipt / reference number clearly mentioning your name and date of remittance, to: icikbc@gmail.com, so as to receive a confirmation of your registration from ICI office.

GET TO KNOW MORE FROM EXPERTS & PRACTISING PROFESSIONALS IN THE INDUSTRY. ENROLL TODAY!

Limited Seats. Please registration early as registration is on 'First-come-first-served' basis.

**Session durations subject to change. Decision of ICI-BC shall be final and binding on matters of interpretation w.r.t this Seminar.*