



# ICI-KBC - KSPCB ONE DAY SEMINAR

On  
**ALTERNATIVES TO RIVER SAND -  
A SUSTAINABLE APPROACH**

Friday, 13<sup>th</sup> Dec 2013

TIME : 9 am to 6pm

Venue :

Karnataka State Pollution Control Board, Parisara Bhavana, Tejasvi Hall,  
3rd Floor, No.49 Church Street, Bangalore - 560 001



Manufactured sand from VSI



Natural River Sand



Manufactured slag sand

Indian Concrete Institute-Karnataka Bangalore Centre

No.2,UVCE Alumni Association building,K.R.Circle Bangalore -560001, Email : ickbc@gmail.com Ph: 22224803

## Introduction:

With natural sand deposits the world-over drying up, there is an acute need for a product that matches the properties of natural sand in concrete. In the last 15 years, it has become clear that the availability of good quality natural sand is decreasing. With a few local exceptions, it seems to be a global trend. Existing natural sand deposits are being emptied at the same rate as urbanization and new deposits are located either underground, too close to already built-up areas or too far away from the areas where it is needed, that is, the towns and cities where the manufacturers of concrete are located. Environmental concerns are also being raised against uncontrolled extraction of natural sand. The arguments are mostly in regard to protecting riverbeds against erosion and the importance of having natural sand as a filter for ground water. Decreasing natural resources pose environmental problems and hence Government restriction on sand quarrying has resulted in scarcity and significant increase in its cost. Sand is one of the major ingredients of concrete constituting about 35% of the total volume of concrete used in construction industry. River sand has become a scarce commodity and hence exploring alternatives to it has become the top most priority for all stake holders in the construction industry.

With the recent restrictions on river sand mining in India, attention is now focused on exploring possible alternatives to sand.

Indian Concrete Institute-Karnataka Bangalore Centre realizing the need to disseminate the knowledge of recent developments in manufacture and use alternatives to river sand for Civil Engineers, Builders, Architects and Construction Industry Fraternity is organizing this one day seminar in association with Karnataka State Pollution Control Board.

This will serve as a platform for the artificial sand manufacturing companies/ equipment manufacturing companies and other decision makers to take part and demonstrate their products and advantages.

Who should participate in the seminar:

Builders, Developers, Government Engineers, Practising Engineers, Entrepreneurs, Consultants, Researchers, Equipment Manufacturers, Ready Mix Concrete players, Building Material Suppliers and Many more

Lectures will be delivered on the following topics by eminent speakers during the Seminar.

- Government policy on sand : **Concerned official** from Government of Karnataka.
- Manufactured stone sand : **Dr. Venkatarama Reddy, I.I.Sc.** Bangalore.
- Manufactured slag sand : **Mr. S.M.R. Prasad and Mr. B.S. Subramanya Mis** JSW Steel Limited.
- Sand from construction demolition waste : **Mr. Mohan Ramathanan, ACETECH, Chennai.**
- Pond ash as replacement to river sand : **Dr. R.V. Ranganath, BMS College of Engineering, Bangalore.**
- New equipments & new technologies in sand manufacturing : **Mr. Nagaraj K.V., Trade vision group, Bangalore.**

## PARTICIPATION :

Sponsorship : Rs - 25,000/- + Service Tax

Participating Industries and companies will make presentations of their new products/innovative methods.

Advertisements : will be included in the **hard copy of the proceedings**, which also include research papers, presentations and advertisement of all sponsors.  
Cost for A4 size one page color advertisement in the hard copy of proceedings - Rs. 10,000/-

Registration : **Registration Fee** : Rs. 800 inclusive of service tax

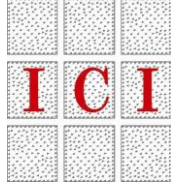
(Registration fee include copy of the proceedings, tea /coffee and lunch)

For Registration please contact : **Indian Concrete Institute-Karnataka Bangalore Centre**

No.2, UVCE Alumni Association building, K.R.Circle Bangalore -560001, Email : ickbc@gmail.com Ph: 22224803.

**Dr. R. Nagendra** Chairman -ICI-KBC  
Phone : 9880926050

**Ms. Sapna Devendra** Secretary-ICI-KBC  
Phone : 9964090888



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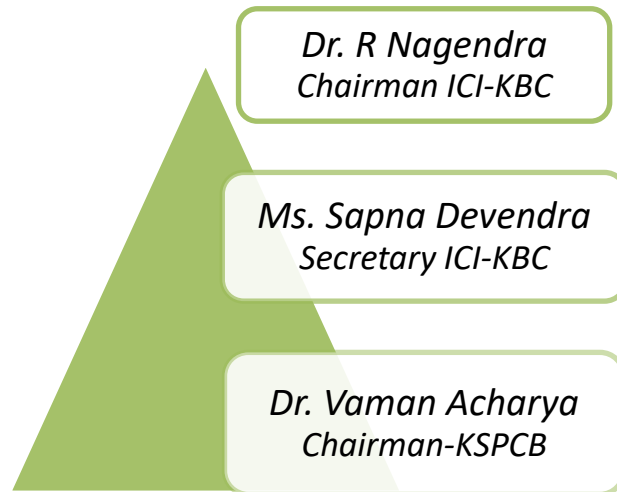
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**Photo gallery:**

## Dignitaries on Dais:



**Chief Guest:**



**Sponsors:**



Speakers:





Interaction section:



**Mrs. Sapna Devendra**, Secretary ICI-KBC, Bangalore, thanked all the members present in the seminar & she also thanked the Dignitaries on Dias, Speakers, Sponsors and Coordinators of ICI-KBC & KSPCB, for the program to be success & delivered the vote of thanks.