



The Indian Concrete Institute (ICI), Pune Centre
&
Dr J D Bapat
announce

Training Programme with Residential Option

**CERTIFICATE OF TRAINING
IN
DURABILITY OF CONCRETE
(C-TDC)**

Dates: 27-28 (Sat-Sun) July 2013

for

Engineers working at construction site and interested in learning optimum utilisation of mineral admixtures for strength and durability. Marketing engineers, who frequently face customer queries regarding benefits of blended cement or admixtures. Engineers working on product development. Students/researchers interested in pursuing studies in the area.

Venue

Hotel Raviraj
790, Bhandarkar Institute Road,
Opp. HDFC Bank, Deccan Gymkhana,
Pune 411004 (Maharashtra)
Phone 91 20 25679581
Inquiry 91 20 6602 7001
Reservation 91 20 4104 7000
Fax 91 20 25674978

Online reservation: <http://www.hotelraviraj.com>
Email: hotelraviraj@gmail.com

Course Contents: The course relates to how durability of concrete is achieved by properly incorporating mineral admixtures in cement and concrete. It includes the aspects related to the manufacturing and processing, physical characteristics, chemical and mineralogical composition, quality control of the mineral admixture and the reported experiences as well as the provisions of national Standards on its addition to cement and concrete. The discussion on hydration, besides presenting the practically relevant aspects of chemistry, covers the impact of the addition of mineral admixtures. The lectures on strength and durability present mechanisms, models, standards and mitigation of concrete deterioration due to carbonation, alkali-aggregate reactions, chloride attack and corrosion of reinforcement, external as well as internal sulphate attack, decalcification and freeze-thaw action. The mineral admixtures covered are: pulverised fuel ash (PFA), blast furnace slag (BFS), silica fume (SF), rice husk ash (RHA), metakaolin (MK).

Reference Book: "Mineral Admixtures in Cement and Concrete", Author: Dr J D Bapat, Publisher: CRC Press – Taylor & Francis Group, USA. http://bit.ly/jdb_publisher

Time Lines:

27 July: Lunch: 1200 – 1300 h
Training: 1300 – 1700 h

28 July: Training: 1000 – 1700 h with tea and lunch breaks

Course Fee: Rs 9000/- per participant.

Remit by bank draft (cheque will not be accepted), in the name of "**Indian Concrete Institute, Pune Centre**", payable at par at Pune, at the Indian Concrete Institute, Pune Centre, C/o R. M. Telang, 122/2 OM Radhakunj Building, Opp. Kamla Nehru Park, Erandawane, Pune 411 004, Phone: +91-20-65005866.

Fee includes Tea / coffee, working lunch, evening tea/coffee with biscuits. All participants will be provided with technical volume containing lecture notes.

Participants should inform name, organisation and email ID along with fee.

Fee does not include residential charges.

Course Director: Dr J D Bapat.

URL: <http://www.drjdbapat.com>

Email: consult@drjdbapat.com

ICI Pune Centre:

URL: <http://www.icipunecentre.org>

Email: icipunecentre@gmail.com

Raviraj Special Discounted Rates for Participants:

Room	AC (Rs)	Non-AC (Rs)
Single	2265	1830
Double	2695	2265

Check in - check out time: 12 noon. Two hours grace period for check in is allowed. Participants may checking in from 10 am onward on 27 July and checking out on 28 July shall be charged for one day tariff only. Attach scanned copy of ICI Receipt to the e-mail for reference to avail discount.