

Minimum qualification/experience for registration

- Degree/diploma in civil engineering, Architecture
- Science graduates with minimum experience of 3 years in RMC operations / concrete lab.

Benefits of CTI Course

- **Trainee**
 - Receives 400+ pages of course material
 - Receives guidance from experienced trainers
 - Gets examined and receives certificate from a world renowned body.
- **Sponsoring organization**
 - Gets a certified and trained concrete technologist for the organization.

Program details

Program duration : 4 days.

Fees : Rs. 35000/- + Taxes.

Payment : Cheque- In the name of "Ready Mixed Concrete Manufacturers' Association, Mumbai"

Direct payment : A/c No: 230010100139755
IFS code: UTIB0000230

Program venue : L & T - LDA, LONAVLA

For more details contact:

Manager, RMCMA,
B-5, Ground Floor, Neel Shantiniketan CHS,
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NRMCA-RMCMA
JOINT INITIATIVE

Concrete Technologist India (CTI) Training & Certification Course

LONAVLA

JUNE 20 - 23, 2015



**Ready Mixed
Concrete
Manufacturers'
Association**

Ready Mixed Concrete Manufacturers' Association
B-5, Ground Floor, Neel Shantiniketan CHS,
Manipada Road, Kalina, Mumbai 400096, India
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Ready Mixed Concrete Manufacturers' Association (RMCMA), India and National Ready Mixed Concrete Association (NRMCA), USA, have jointly developed and are offering Training and Certification Courses for Concrete Technologists-India (CTI).

The contents of the CTI course are based on NRMCA's Concrete Technologist Level-II and III Programs. Modifications in the course content are done by RMCMA as required to suit Indian conditions and code requirements.

The first Pilot Training program in India was conducted in Mumbai from June 17 to 21, 2013 by two experts from NRMCA, Dr Colin Lobo and Dr Karthik Obla.

Main features of the CTI Program

CTI is a basic level training program in concrete technology and it is meant for all those involved in designing, specifying, producing, handling and testing batch plant concrete. The course is practice oriented and is tailor-made to suit RMC operations and includes the latest developments in concrete technology.

- Full 4 days class-room training in 20 topics in concrete technology (listed below)
- Two-hour Examination on 5th day
- Examination assessment and Grading of participants done by NRMCA, USA
- Joint certificate issued by RMCMA & NRMCA
- Printed course material of 400+ pages on 20 topics in concrete technology with review questions
- Batch size of 25

Topics covered :

1. Fundamentals of Quality Concrete
2. Production, Delivery & ASTM C94
3. Aggregates for Use in Concrete
4. Aggregate Test Methods and Calculations
5. Portland and Blended Cement
6. Fly ash and Natural Pozzolans
7. Ground Granulated Blast Furnace Slag
- 7.1 Silica Fume
8. Proportioning Concrete Mixtures
9. Chemical Admixtures
10. Basic Statistical Methods
11. ACI/BIS Requirements
12. Handling, Placing and Finishing Concrete
13. Overview of Fresh Concrete Tests
14. Testing Hardened Concrete
15. Hydration, Microstructure and Permeability
16. Fundamentals of Durability
17. Concrete in Hot Weather
18. Shrinkage and Cracking
19. Quality Control Procedures

Who should register for CTI program? Participants in the CTI Training Program

- Technical and sales personnel from RMC plants
- Technical-support personnel from Contractors/Builders/Owners
- Technical-support personnel from Structural Consultants/Architects
- Project Management Consultants
- Customer Service Professionals