



6th NATIONAL CONVENTION ON

“PRECAST FERROCEMENT- FUTURE OF CONSTRUCTION INDUSTRY”

Pune (Maharashtra), India, November 12-14, 2021

Ferrocement is a material of millennium and an avenue towards Green Technology. For precasting the building components, ferrocement is one of the best technologies. This is the SIXTH convention on this subject organized by Ferrocement Society that is providing a forum for architects, civil engineers and working professionals across India to present and discuss the projects, research and developments in a broad spectrum regarding Precast Ferrocement – Future of construction industry.

Delegates are invited to register for this convention. This convention is an Opportunity for all Architects, Civil, Mechanical, Instrumentation and other Engineers. Delegates can attend it physically or opt for online attendance.

TOPICS

Main Topics to be covered in the convention include, but are not limited to:

1. Precast components necessity, different shapes and ideas
2. Moulds and their types, techniques to design and produce moulds
3. Types of matrix- cement mortar, geo-polymer mortar, colgrout mortar, mortar without cement, various admixtures for the matrix
4. Precasting techniques. Meshes cutting, bending, inserting, mortar filling, spraying mortars etc. Stamped concrete, stamping designs for precast components
5. Designing precast buildings
6. Assembling of components
7. Water conservation, prefabricating water tanks and check dams, storage concepts and case studies
8. Various machines available for precast industry, conceptual machines, hand casting and precasting equipment
9. Stability of assembled buildings, tests, stress analysis
10. Hybrid or composite construction using ferrocement components
11. Mass housing using ferrocement, multi-storied buildings
12. Factory on wheels
13. Other precast applications using ferrocement

Sub topics coverage will be as below:

1. **Precast products** of ferrocement, textile reinforced composites and mass scale applications in private as well as Government sector, including WRD, PWD, CPWD, MJP, MSRDC, Railways, Metro rails etc.
2. **Innovative applications:** Use for road pavements in place of prestressed concrete roads, ferroasphaltcrete for repairing potholes, precast ferrocete lost forms as structural members, precast panels for bunkers in war field, needle free K T weirs, parabolic gutters and canals, fire rating of ferrocete, thermally insulated houses, egg-shaped large size conduits for outfall sewers, plastic pipe out coated with ferrocete as penstock., three dimensioned ferrocete- meshcrete a substitute for prestressed concrete, spun ferrocete pipes replacing prestressed concrete pipes. Floating platforms, barges,

Pontoons, Solar panel floats. walling and floor panels, large size panels for housing, silos, dams, retaining walls digesters etc, Stamped concrete designs and types.

3. **Engineered housing-** mass scale housing with ferrocement precast panels, fabricate in factory cast at site technique- for single wall, double wall, walls and floors of houses, ribbed and stiffened precast panels with joints as structural members, cavity walls, hollow floors, beams and columns, factory production of precast units- factory layout production technique and its economics, Erection, jointing members, joints as beams and columns, etc
4. **Small ferrocement precast building components** like drainage chambers, covers, chajja and lintel units, fins and sun breakers, ferrocement solar collectors, tanks for various applications
5. **Factories:** Handling in factory, during transport, erection and structural design for them, machinery, factory layout, portable factory, Factory on wheels. At present meshes are tied by wires to frame. A stapler-type tier can be devised. Vibro-press type plate trowels will assure full penetration of mortar in meshes. For press-filling on large scale, impinging mortar under high air pressure can be thought of. A machine like brush- coater. For pipes spinning machines with modified end-rings. For vacuum casting of ferrocement plates, a system as used in manufacture of asbestos sheets. Long line casting method (as is done in core-slab manufacture) for manufacture of ribbed slabs. For vertical casting of ribbed slabs gang type moulds. Vibrating tables of large size to cast large size walling and floor panels. For handling, lifting and erecting simple machines.

CONVENTION VENUE

The convention will be held in (COVID FREE) outskirts of Pune city which is 180 km from Mumbai, it is on Central railway. Pune is served by direct charter flights from various cities in India. OLA, UBER and other Taxi service is available. Luxury buses come to Pune from various cities like Surat, Indore, Bangalore, Mysore, Hyderabad, Kochi etc.

CONVENTION FEES FOR REGISTRATION

The fee Structure and various concessions shall be as below. (Cost of Excursion tour is not included)

	Type of registration	Fees per delegate
1	Registration fees	INR 5000
2	For group registration, 5 or more delegates	INR 4500
3	For technical partners (Maximum 10 delegates)	INR 4500
4	For Life members of FS	INR 2500
5	For students of Architecture/Engineering (I-card essential)	INR 1000

The registration fee must be paid directly to the "FERROCEMENT SOCIETY" by Demand draft, or cheque drawn on any bank payable at Pune. Fees can also be paid online in the account of "Ferrocement Society". The details of bank account are as below.

Account Number-36815801782, IFSC Code SBIN0004618, Erandwane Branch, Pune.

The registration forms, duly filled along with soft copy of a photo shall be sent by email or by speed post, after paying the fees. Please note that credit cards cannot be accepted for the payment of convention fees at the conference site.

Printed book of proceedings (having ISBN number) and a memento will be given to delegates, who attend it physically. For online delegates the same will be dispatched if shipping charges are paid.

IMPORTANT DATES TO BE NOTED

12 November 2021	Conference Registration, Reception and 1 st day proceedings
13 November 2021	2 nd day proceedings, Group discussions, Demo of water tank construction.
14 November 2021	Special workshops, Concluding session.
15 November 2021	Excursion tour - tourist spots in Pune (Optional)

FERROCEMENT SOCIETY

FS-2021 Registration Form

(Can be downloaded from website)

PERSONAL DETAILS

(Please attach a soft copy of your photo)



Full Name-.....

Designation.....

Name of Firm/ company/ College/ Govt/ Organisation-
.....

Contact Address-.....

..... State..... Nation

Email

Mobile Number-.....

Birth date : (DD/MM/YYYY)

Educational Qualification

Professional experience and special achievements/ Professional memberships
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CONFERENCE FEES DETAILS

Category (Please tick)	Delegate	Leading Author	Life member of FS	Group	Technical partner	Student	Other
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Payment by Cheque/ DD/ Online / cash / Ref. No/UTR No.Date.....

Name of Bank Branch City.....

For Rs..... (for details see the brochure)

Date.....

Signature

CONVENTION CHAIR

FERROCEMENT SOCIETY,

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CONVENTION SECRETARIATE

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Important contacts

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