

# Asian Concrete Federation E-Newsletter

Vol.2 No.2 / August - September 2008

## **Foreword**

## FX. Supartono Vice President of ACF (Technical)

In December 2008, the 2<sup>nd</sup> ACF Executive Council will terminate their term of services (2007 – 2008), while a new Executive Council will be elected in November during the 4<sup>th</sup> EC Meeting in HoChiMinh City for the next term of January 2009 – December 2010.

During the first 4 years (2005 - 2008), as a new international concrete federation, ACF EC has produced various activities together with its member's society in realizing the mandates given by the General Assembly as well as to perform the objectives of the Federation as set forth in the ACF Constitution, e.g. realization of the 2<sup>nd</sup> and 3<sup>rd</sup> ACF International Conference, set-up of Technical Task Groups for the concrete research works, collaboration with other international organizations such as ACECC and fib, promotion of Asian Concrete Model Codes and Standards through ICCMC and ISO Working Group, publication of ACF e-Newsletters, etc.

However, there are still many things to do for the future development of ACF to become a really reputable regional concrete federation, e.g.

1. How ACF could manage the organization to become a really important and reputable concrete organization in the Asian and neighboring regions, and to be

- recognized by most of the Asian countries in the near future? How ACF may approach the non-member countries and enlarge the membership as much as possible in the Asian and neighboring region?
- 2. How ACF could bring more benefits to the member countries, corporate members, and the individual members, particularly for those in the developing countries, for example by promoting an inter-members exchange of knowledge and experiences in concrete production for high strength and high performance concrete, or other concrete practical problems?



- 3. How ACF could play a role of bridging the needs of collaboration between concrete industry and concrete researchers or academic in this rapid changing and developing region?
- 4. How ACF could promote or sponsor across the member countries for a professional licensing program through a professional training in a member country, or a license endorsement in a cross-licensing program?



Bad performance of concrete construction



Bad performance of concrete pouring

- 5. How ACF could assist to solve the local concrete problem if needed by a member country, for example through an international concrete expert board that may be established under the management of ACF?
- How ACF could bring a beneficial program through the cooperation agreements having been signed with other international
- organizations for the ACF member's benefits?
- 7. How ACF could aware and take care on the environmental issues such as the natural resources' conservation, energy saving, and global warming issues in relation with concrete production and concrete construction?
- How ACF could promote the local concrete society to work closely with the government to

- face on those environmental issues?
- 9. How ACF together with ICCMC could regularly promote updating and revising concrete codes/ standards through development of new knowledge to meet the local needs as mentioned in the ACF Constitution?

As a regional concrete organization, it is an obligation of ACF to have a role and to contribute more on the civil development of the countries in this region, particularly in the domain of concrete technology and concrete construction. Therefore, it is necessary that ACF establishes soon a Short Term and Long Term Strategic Plan that can be a guideline for actions to be taken care by the new Executive Council in the near future.

# What's ACF objective?



- Initiation and support of international collaborative activities for development of research and technology relating to various aspects of concrete and concrete structures.
- Dissemination of useful information on concrete and concrete structures by way of publications, conferences, symposia, workshops and/or seminars.
- Promotion of updating and revising concrete codes/standards on structural design, materials, construction and maintenance through development of new knowledge to meet the latest needs
- Interaction with the members and keeping them aware of the activities of the Federation.

# News from the Secretariat

## Nobuyuki Matsumoto & Mayu Handford

### **ACF Membership Subcategory**

ACF has changed its membership category to 3 categories (A, B and C) instead of 2 categories previously. Reason of this change is mainly to accommodate the request of some representative members that found big difference between category A & B, and were willing to choose their membership between category A & B.

The ACF Secretariat has been circulating the questionnaire to all EC members to ask them which membership subcategory they are going to choose for the next term (Closing date: Sep 30, 2008). Followings are the decided membership subcategories:

Japan: A Korea: B Taiwan: B Australia: C India: C Indonesia: C Philippines: C Singapore: C Thailand: C Vietnam: C ICCMC: C

For these changes, ACF membership application forms were also modified and sent off to potential member countries. There is a possibility that Hong Kong might become ACF member at the moment.

# ACF Executive Council Member Candidate for the Next Term

ACF Secretariat sent off the request of nomination for EC member candidate for the next term to the Representative Members on the date of Sep 9. Closing date for this is Sep 30, 2008. We would be very grateful if you reply us back regarding this matter as soon as possible.

# The 3<sup>rd</sup> ACF International Conference

ACF Secretariat sent off the Call for Exhibition for the ACF 3<sup>rd</sup> International Conference in Vietnam to all the

Sub category	Subscription	Voting right at General Assembly	Benefits	
A	US \$4000 / year	100	<ul> <li>Voting right for the election of the Executive Council and no minating right for candidates of an Executive Council member.</li> <li>Voting right at the General Assembly.</li> <li>8 persons for "Subcategory A", 4 persons for "Subcategory B" and 2 persons for "Subcategory B" and 2 persons for "Subcategory C" from RM can enjoy the same benefits as Individual Member (IM).</li> <li>A copy of any publications issued by the Federation during the membership period.</li> </ul>	
В	US \$2000 / year	50		
С	US \$1000 / year	25		

New Representative Membership (RM) Subscription

Executive Council members and Representative members on the date of Sep 9, 2008, asking them to promote this important conference to the people from all over the concrete world.

At this point, there are still unoccupied exhibition booths to fill, so we hope many members would invite applicants to have the exhibition booth at the Conference. If you need the file of "Call for Exhibition" and "Application Form", please let ACF Secretariat know.

# New ACF Homepage (http://www.acf-org.com/)

ACF Homepage had been re-setting up by Prof. Toshiyuki Kanakubo, and opened on September 16, 2008. This

new homepage includes "Member's Site" and "EC Member's Site". In the Member's Site, all ACF members can get useful information from the Secretariat and some reports made out by various ACF Activities. Also in the EC Member's Site, you will see the useful documents for past/future meetings and conferences such as Minutes, Agenda, etc. Besides, EC members can check Request Letters from the Secretariat in this site as well. To enter Member's Site and EC Member's Site, all the members need individual ID and Password that had been already sent to each member by E-mail on Sep 16, 2008. The secretary will maintain IDs and Passwords for EC members. If you'd like to change Password or your registered E-mail address, please inform the Secretariat.



New ACF Homepage

## **Summary of Activities from ACF Secretariat**

ACF Secretariat generally sends various kinds of information to ACF members by E-mails. The following is the summary of the correspondences include important information, which had been sent to the Executive Council & Representative Members from the Secretariat, from May to September 2008.

#### <u>Date</u> <u>Description</u>

- May 1 The 8<sup>th</sup> International Symposium on Utilization of High-strength and High Performance (Invited the topics, <u>closed</u>)
- May 1 Remittance of the ACF Membership Fee (Closed)
- May 8 Information: Boletin FIHP April 2008
- May 9 Request: Proposal for Technical TG activities (<u>Closing</u> <u>date: Sep 30</u>)
- May 9 Request of nomination of Executive Council member candidate for the next term (Closing date: Sep 30)
- May 9 Request for Representative Member's membership fee payment (<u>Closing date: Sep</u> 30)
- May 13 Deadline for submitting ab-

- stract for the ACF International Conference in Vietnam 2008
- May 23 Request of topics on concrete in your country for 8HSC-HPC
- June 10 Information: Cemtech Asia Singapore 22 – 25<sup>th</sup> June (Programme update)
- June 12 Information: 9<sup>th</sup> International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures
- June 17 Request: Revised Categories for ACF Membership (Closed)
- June 23 Revised Meeting Minutes of ACF 3<sup>rd</sup> President & Vice Presidents Meeting
- June 26 Request for Representative Member's membership fee payment (<u>Closing date for the</u> payment: <u>Sep 30</u>)
- July 1 Information: Boletin FIHP April 2008
- July 2 ACF Individual Member Application Form
- July 18 Modified ACF Bylaws (<u>Closed</u>)
- Aug 4 Re-Request for Representative Member's membership fee payment (<u>Closing date</u>:

#### Sep 30)

- Aug 26 Invitation to the ACF 4<sup>th</sup> Executive Council Meeting (Closing date: Oct 25)
- Aug 26 Invitation to the ACF 2<sup>nd</sup>
  General Assembly Meeting
  (Closing date: Oct 31)
- Aug 26 Information:
  ICI-INNOVATIVE WORLD
  OF CONCRETE (IWC)
  2008, 4<sup>th</sup> International Exhibition & Conference + Silver
  Jubilee Celebrations
- Aug 27 [Re-send] Invitation to ACF 2<sup>nd</sup> General Assembly Meeting (Closing date: Oct 31)
- Aug 29 Request to choose ACF membership subcategory (Closing date: Sep 30)
- Sep 4 [Reminder] ACF EC Member Nomination for the new term (Closing date: Sep 30)
- Sep 9 Call for Exhibition for the ACF 3<sup>rd</sup> Int'l Conference in Vietnam
- Sep 16 ACF Homepage member ID (for all the ACF members)
- Sep 26 [Reminder] Call for Exhibition for the ACF 3<sup>rd</sup> Int'l Conference in Vietnam

# **News From ACF Member Countries**

# 1. New Sustainability Initiatives Launched by Taiwan Concrete Institute

The need to strive for sustainable development is now recognized as global importance. Taiwan Concrete Institute (TCI) has made a strong commitment to the principles of sustainability in all concrete activities, including materials manufacturing technology, design, construction, operation, maintenance, repair, and recycling of concrete. The following two recent initiatives reflect TCI's commitment to the principles

of sustainability development:

- A technical committee on "Sustainable Concrete Technology" is being established to promote sustainable concrete technology and to develop guidelines for the life-cycle of concrete structures to save natural resources and energy, reduce green house emissions, and protect the environment.
- A sustainability workshop will be

held in Taipei, Taiwan on December 11, 2008 to promote concrete's contribution to sustainable development and to raise awareness of the innovations in concrete technology and the benefits of its inherent properties. Three principal speakers will be Drs. Mohan Malhotra of Canada, P. Kumar Mehta of the USA and Tony Liu of Taiwan.

## 2. HAKI COMMEMORATES PROF. ROOSSENO ON HIS 100th BIRTHDAY

#### **Toeti Heraty Roosseno**



Prof. Roosseno

In the HAKI's Annual National Conference held on 19 August 2008 at Borobudur Hotel Jakarta, HAKI has commemorated Prof. Roosseno, often called as "Indonesian Concrete Father", on his 100<sup>th</sup> Birthday.

Prof. Roosseno passed away on 1995 in 88 years old, leaving a productive and significant life represented by many high-rise buildings, bridges, and harbours which have been realized under his design and/or supervision: the National Monument in Jakarta, the first Intercontinental Hotels in Jakarta, Yogyakarta, Pelabuhan Ratu and Bali Beach, the Sarinah Shopping Mall, the Cloverleaf Bridge, Asian Games Stadium Complex, the Istiqlal Mosque, the long-span Rajamandala Bridge (cantilever system) in West-Java, were among them.

When he graduated in civil engineering on 1932 during colonial times, he was immediately taken as a partner to establish a Consulting Firm by Ir. Soekarno, who later became Indonesian first President proclaiming Indonesian Independence on 1945. The partnership did not last in spite of the compatible job description: Roosseno made the calculations and drawings, Soekarno made the political speeches.

In 1933 Soekarno took leave from the Roosseno family (a wife and daughter, me, I was a few days old), to be exiled as political prisoner to Ende in Flores island. When the Republic was proclaimed in Jakarta, Roosseno was Dean at the Technical Faculty in

Bandung (Kogyo Daigaku, the institutes name during Japanese occupation), but North Bandung had to be evacuated for the occupying colonial Dutch forces so that Roosseno moved to Yogyakarta, where the Indonesian Government took its seat. With the Sultan of Yogyakarta he established the Gajah Mada University, founded its Technical Faculty. Later he moved to Jakarta, teaching in Bandung, and in 1953 became a State Minister.

As a State Minister he has nationalized the Dutch Airline KLM to become Garuda Indonesia. It was a very productive period, during Soekarno was the President, and Ali Sadikin was the very dynamic and decisive Governor of Jakarta, many building projects became the highlights of development, changing Jakarta's Skyline under Roosseno's supervision.

He used to control the works even on Sunday on his motor bike early in the morning, teaching in Bandung at 7.00 in the morning after 4 hours drive from Jakarta and of course expects the Bandung students to be in time. He was known as very disciplined, very idealistic with a touch of humor to soften controversial issues.

In 1971, a project was entrusted to him, the Borobudur Temple's restoration project in Middle-Java which has been completed in 1983 as a Budhist cultural heritage. During this project, he had to travel frequently to the donor countries: the Netherlands, Belgium, France, Germany and Japan, who have supported this UNESCO project, which has been proven to resist the very recent earthquake and hopefully other earthquakes in the future. A documentation film was made as a UNESCO assignment about this memorable restoration entitled "A thousand years more" quoting a most renowned poet Chairil Anwar, who died young during the revolution.

For his contribution in the Indonesian concrete construction field, Prof. Roosseno was awarded the title of "Pelopor Konstruksi Beton Indonesia" that means "The Pioneer of Concrete Construction in Indonesia" from HAKI, which was delivered on the day of Annual National Conference.

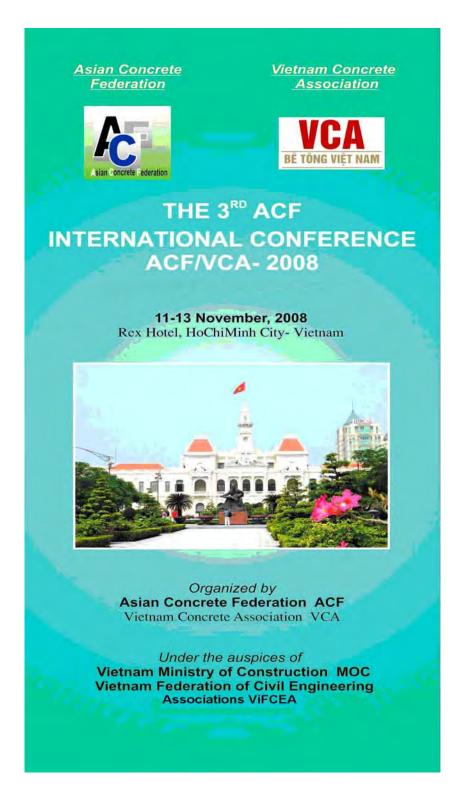
It is indeed in Indonesia among the numerous islands that his constructions left its mark, the many bridges, harbours and other public works. His achievements might now seem insignificant, his personality will be forgotten in the course of time, but at this centennial, he was remembered, quoted as exemplary in many ways. He will not easily be forgotten especially many of us that will cherish this very special person.



Prof. Roosseno with his daughters Toeti and Cometa in Borobudur Temple

# **Next Coming Concrete Events**

3<sup>rd</sup> ACF International Conference [HoChiMinh City, 11 – 12 Nov 2008]



#### **ABOUT THE CONFERENCE**

Asian Concrete Federation (ACF) is a gathering organization for promotion of understanding of concrete technologies and structures among asian countries and neighboring region. The ACF regularly organizes the International Conference for exchange of useful information on new research results and practice in the field of concrete technologies and structures.

After the two conferences organized in Bangkok, Thailand in 2004 and Bali, Indonesia in 2006, the 3<sup>rd</sup> ACF International Conference will be organized in Vietnam in 2008.

The 3rd ACF International Conference will be held in HoChiMinh City in Vietnam on 11 – 12 November 2008 in the 5-star Rex Hotel, with the main theme of "Sustainable Concrete Technology and Structures in Local Climate and Environment Conditions". Since every concrete work is working in local climate and natural environments, the researchers and experts in the field of concrete and concrete technology will exchange their new research results and practices in the above mentioned theme.

The Conference will have plenary session with 6 keynote papers and 5 parallel technical sessions.

Until now the Local Organizing Committee (LOC) has received and accepted around 180 abstracts of concrete researches and experts from 16 countries in the world.

One day Mekong Delta Tour will be organized by the LOC on 13<sup>th</sup> of November 2008 for all attendees of the Conference.

#### **TOPICS**

- New materials for concrete and products
- Special concretes
- Advanced concrete technologies that are suitable to local climate and environmental conditions
- Sustainable concrete techno- logies and materials
- Concrete structures appropriated for local climate and environmental conditions
- Concrete materials and structures for marine environment
- Earthquake resistant concrete structures
- Design, construction, maintenance and repair of concrete structures
- Construction management in large concrete structures
- Testing models for concrete and concrete structures
- Concrete codes and standards.

#### **KEYNOTE SPEAKERS**

- 1. Prof. Banthia Nemy, from Canada, on the Current Innovations in Fiber Reinforced Concrete;
- 2. Prof. Tamon Ueda, from Japan, on the Analysis and design of Concrete Structures with Damages;
- 3. Prof (Assoc). FX Supartono, from Indonesia, on the Development of Precast Concrete Industry in Indonesia:
- 4. Prof. Koji Sakai, from Japan, on the Sustainability of Concrete Structures:
- 5. Prof. Samuel Yin, from Chinese Taipei, on the Design and Construction Innovations for Reinforced Concrete Structures;
- 6. Prof. Nguyen Truong Tien, from Vietnam, on the Design and Construction of Concrete Piles and Foundations in Vietnam.

#### **PROCEEDINGS**

All accepted abstracts will be printed in book proceedings. All full papers accepted will be printed in CD proceedings.

#### **LANGUAGE**

The official language of the conference is English.

#### **CONFERENCE VENUE**

The conference will be held at a 5 Stars Rex Hotel which is situated in centre of the city.

Hotel website:

http://www.rexhotelvietnam.com

#### IMPORTANT DATES

Full paper manuscript should be submitted on 30 September 2008 (Closed).

Note: All full papers must be prepared in "ready for print" manuscript in Microsoft word format.

#### **HOTEL RATE**

The hotel rate will be among US\$ 60 -US\$ 150/night depending on the hotel chosen by attendees.

#### DATE OF ACTIVITIES

9 – 10 November 2008:

ICCMC and ACF Meetings

11 – 12 November 2008:

3<sup>rd</sup> ACF Conference

13 November 2008:

Mekong Delta tour



#### REGISTRATION FEES

	Before	After
	1 Sept 2008	1 Sept 2008
Registration Fee	US\$ 350	US\$ 400
For ACF members	300	350
For students	150	200

### BANK ACCOUNT FOR TELE-**GRAPHIC TRANSFER**

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#### **CONFERENCE TOUR**

A no fee conference tour to Mekong River Delta will be organized on the 3<sup>rd</sup> day of the Conference for all attendees and their companions.

#### **COMPANION PROGRAM**

A companion program will be available for city's tour during conference time.

### **TECHNICAL EXHIBITION**

Recent advanced concrete technologies and materials will be presented as technical exhibition by material, design and construction firms, which will be held at the same place as the Conference.

#### **CONFERENCE WEBSITE**

Announcement, instruction to writing papers, registration form and other information on the Conference will be uploaded on the websites:

http://www.acf-org.com http://www.iccmc.org http://www.vca.vn http://www.vibm.vn

### **FURTHER INFORMATION**

For further information, please contact:

- \* Dr. Luong Duc Long: longld@vibm.vn thethirdconf@vibm.vn
- \* Prof. Nguyen Tien Dich: dichibst@hn.vnn.vn

#### Mailing address:

# Vietnam Institute for Building Materials

So 235, Nguyen Trai, Thanh Xuan, Hanoi, Vietnam

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#### **International Advisory Committee**

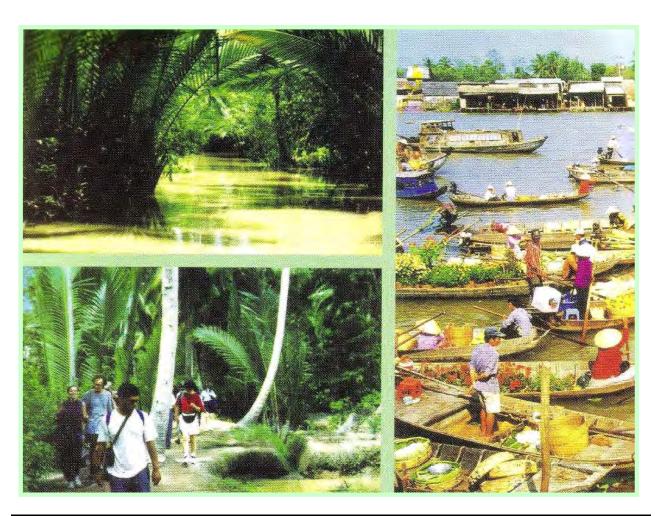
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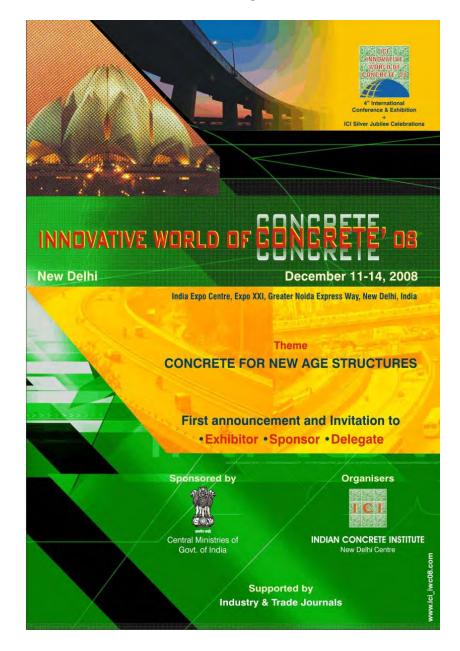
#### **Local Organizing Committee**

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Phan Khac Long
Le Quang Hung
Dang Hoang Huy
Nguyen Hung
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Tran Ba Viet
Le Thi Hao



## Innovative World of Concrete 2008 [New Delhi, 11 - 14 Dec 2008]

## Theme: Concrete for New Age Structures



### **EXHIBITION**

#### **Highlights**

- Participation of construction equipment, material and allied services majors and industry leaders
- Comprehensive collection of construction capabilities from across the globe
- Latest technologies
- Supported by major Construction Trade Associations of India
- Expected participation of 200 exhibitors from over 20 countries and 12000 focused business visitors
- One to one business meetings
- Corporate presentations
- New construction equipment launches.

Against this background, ICI Innovative World of Concrete 2008 is designed to meet the diverse needs of Indian construction industry, which would open new business vistas in line with the Government policies and develop and improve the country's infrastructure.

#### **Display Profile**

- Batching Equipments
- Testing & Instrumentation
- Building Fixtures & Fittings
- Water supply, Sanitary, Electricals & Air-conditioning
- Construction Machinery, Material, Technology & Chemicals
- · Software Services.

#### Who Should Attend?

- Professional Engineers, Architects & Interior Designers
- Technocrats from Universities & R&D Institutes
- Consultants, Planners & Real Estate Developers
- Delegates from Construction Companies in India & Abroad
- Construction Machinery & Equipment Manufacturers
- Suppliers of Aggregates, Reinforcement & Admixtures
- Building Contractors & Construction Materials Suppliers
- Students from Engineering & Technical Institutes
- Investors, Promoters, Key Senior Government Officials.

TAFCON, India's leading Trade Fair Organisers, are a highly professional group having over five decades of experience & expertise, contributing substantially to the Trade Fair.

#### CONFERENCE

#### Theme: Concrete for New Age Structures

Construction industry has witnessed an exponential growth in past few years. Some of the very important and challenging bridges, buildings, flyovers, chimneys and industrial structures are in different phases of construction.

Use of micro-silica and blended cements have become increasingly popular. Appropriateness of each material needs to be understood by the engineering fraternity. The best way to disseminate such knowledge is to have a common platform for presentations, discussions and interaction. This conference is expected to fulfill these needs of today's engineers.

Sub-Themes of the conference have been carefully chosen keeping in view the emerging trends and technologies in the field of civil engineering.

#### **Sub-Themes of Conference**

- Aesthetics
- Mega Projects in Concrete
- Special Concretes & Quality Assurance

- Design and Codes of Practice
- Construction Methods & Equipment
- Innovative Materials & Technology
- Repairs and Rehabilitation
- Earthquake Resistant Concrete Structures.

#### **Indian Concrete Institute**

The Indian Concrete Institute is a registered professional body of more than 8,500 individuals and organisations from India devoted to betterment of structural concrete and interested in the advancement of concrete and construction technologies, concrete products. R&D and Technical Education Headquartered in Chennai, ICI has 24 centers through out the length and breadth of India.

#### New Delhi

New Delhi a metropolis with 15 million inhabitants, is one of India's leading economic centers for national and international business activity.

The city of Delhi, which is beautifully landscaped is probably one of the prettiest and certainly one of the greenest capitals of the world. It has the famous Red Fort, Qutab Minar and other Mughal Monuments for sight-seeing.

From New Delhi, the delegates can undertake one of the most fascinating tourist circuits of India: Delhi – Agra – Jaipur – Delhi.



The Editors of ACF Newsletter invite you to submit articles concerning the outstanding concrete buildings, bridges, or other infrastructures in your country.

Please send your short article (1 - 2 pages) with photos by email to:

haki@cbn.net.id, with cc to: fxsupartono@centrin.net.id

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