



GLOBAL STONE TECHNOLOGY FORUM
INTERNATIONAL STONE CONFERENCE

POST SHOW REPORT

December 15-16, 2011, Jaipur



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INTRODUCTION

GLOBAL STONE TECHNOLOGY FORUM 2011 (GSTF 2011), the International Stone Conference was jointly organized by Centre for Development of Stones (CDOS) and Federation of Indian Chambers of Commerce and Industry (FICCI) at SMS Convention Centre, Jaipur during December 15-16, 2011

SUPPORTED BY

The event was supported by the following:

- a) ICAMT, United Nations Industrial Development Organisation
- b) Council of Architecture - COA
- c) Indian Institute of Architects (Rajasthan Chapter) - IIA
- d) Federation of Indian Mineral Industries (FIMI)
- e) Federation of Mining Associations of Rajasthan (FMAR)
- f) INTBAU-International Network for Traditional Building, Architecture & Urbanism, INDIA
- g) Dronah-Development and Research Organization for Nature, Arts and Heritage.
- h) Institute of Indian Interior Designers(IIID) Jaipur Regional Chapter.

- i) Rajasthan Builders & Promoters Association-RBPA
- j) Mining Engineer's Association of India-Rajasthan Chapter

SPONSORS

The Kerakoll India Pvt. Ltd sponsored two sessions for GSTF 2011.

DELEGATES

The event received an encouraging response from stone trade as well as architects and builder fraternity with over 165 delegates comprising chief executives of stone sector companies, technology suppliers, policy makers, architects & civil engineers, stone sector experts/ consultants. Officials from DMRC, JMRC, PDCOR, RIICO, DRONAH, CPWD, Ministry of Tourism, State Institute of Heritage Culture, Dept. of Archeology & Museums, Dept. of Art and Culture, Dept. of Mines & Geology, Kerala and Rajasthan, ASI-Jaipur Circle ADMA, Manipal University, Aga Khan Trust of Culture, were also present. Indian Institute of Interior Design, Rajasthan Chapter (IIID), Indian Institute of Architects, Rajasthan Chapter (IIA), Aayojana School of Architecture, Poornima Group of Colleges participated in the event.

INAUGURATION

Global Stone Technology Forum was inaugurated by Dr. V. S. Singh, Addl. Chief Secretary Environment & Forest and Chairman Rajasthan

State Pollution Control Board, Jaipur. Mr. Sunil Arora, Principal Secretary Industries Govt. of Rajasthan was Guest of Honor on this occasion. Leading luminaries of the trade & industry and the architectural fraternity and many senior officers from Rajasthan Government, representatives of various National and International agencies witnessed the inaugural ceremony and participated in the event.

In his inaugural address, Dr.V.S.Singh, Addl. Chief Secretary Environment & Forest and Chairman Pollution Control Board called up on the industry to think about the nature and humanity also while undertaking and exploring the natural resources. In his opinion hill top mining of the mountains like the Aravali ranges, destroy the ecology and therefore, the mining fraternity should consider and promote surface and sub surface mining. He also emphasized on the need for cluster mining using eco friendly technology and also the need for waste utilization to save previous natural resources.

Mr. Sunil Arora, Principal Secretary Industries and Chairman RIICO & CDOS during his welcome address said that CDOS established in 1998 has provided a comprehensive institutional support and platform to those associated with the stone industry, in addressing their problems and widen their business horizon. He pointed out the significance of the stone industry which provide direct and indirect employment to about 5 lacs persons in Rajasthan alone and assured that CDOS is committed to play a vital role as a catalyst for spurring research and investment in the

sector. He also emphasized the need for interaction between the users and masters of the industry to provide linkages between architects, builders, developers and the mining and processing fraternity to ensure better application of right stones for right usage.

During the Inaugural Session, the third All India Stone Architectural Awards- AISAA 2011 was a star attraction for the participants. Mr. R K Gupta, Chief Executive Officer, CDOS gave a brief introduction of Awards Chairman of the Jury for AISAA 2011 presented the Jury report and announced the winner. The award was given to Architect Arun K. Bij of New Delhi for NATCO Head office, Noida in the Exterior Facings category. The award including Cash prize, Trophy and a Citation were presented to Ar. Arun K. Bij by the Chief Guest Dr.V.S.Singh, Addl. Chief Secretary Environment & Forest and Chairman, State Pollution Control Board.

TECHNICAL SESSIONS

In the technical sessions, leading lights of stone industry comprising architects, technology suppliers, scientists, consultants and technical experts deliberated on various pertinent issues.

One of the important technical sessions was chaired by Shri Rajendra Bhanawat, Managing Director, RIICO and he shared his views on eco-friendly mining and use of reclaimed stones. While appreciating the fruitful deliberations on such important topics during the Conference,

Shri Bhanawat also emphasized the need for practising these ideas earnestly by the participants in their field of activities.

The schedule of the technical sessions at the forum alongwith a short title of the presentation is given below:

A. TECHNICAL SESSION – I

Speakers	Designation	Details of Presentation
Ar. Mohd Shaheer	Renowned Architect, New Delhi	Experiences in landscape architecture and stone craftsmanship
Ar. Shirish Beri	Renowned Architect, Kolhapur	The stone dialogues
Ar. P P Anil Kumar	Associate Professor, Department of Architecture, NIT, Calicut	An overview of sustainability, climate responsiveness and energy efficiency dimensions of natural stones used in construction
Ar. Alok Ranjan	Head, Dept. of Architecture, MNIT	Mr. Alok Ranjan shared his views in general and highlighted the efforts of CDOS in promotion of stone sector.

B. TECHNICAL SESSION – II

Speakers	Designation	Topic of Presentation
Mr. M.S.Dhakad	Programme Co-ordinator, UNIDO-ICAMT	chaired the session
Dr. M.M.Ali	Head of Centre, NCCBM, Faridabad	Marble slurry/dust utilization in manufacture of cement and other building materials
Mr. Hemant K Jain	Director, Kerakoll India Pvt. Ltd., Mumbai	Highlighted the new product kerakoll adhesive for use in stone industry
Ar. Shona Jain	Renowned Architect, Mumbai	Stone: Timeless Communications
Mr. Kishore Govani	Hi-Tek Fine Chemicals, Bangalore	Permeator Technology for Natural & Engineered Stone
Mr. Sushil Verma	Consultant, DMRC	DMRC presentation

C. TECHNICAL SESSION – III

Speakers	Designation	Topic of Presentation
Prof. Nalini Thakur	Head, Dept. of Conservation School of Planning and Architecture, New Delhi	Chaired the session
Ar. Vikas Dilawari	Conservation Architect and Head, Kamla Raheja College, Mumbai	Stone conservation in western India
Ar. Deependra Prasad	Co-ordinator, INTBAU	Prioritizing "Appropriate" Building Materials in Sustainable Design
Dr. Shikha Jain & Ms. Bhawana Dandona	DRONAH	Manual & training programme in stone conservation
Mr.Subrata Sen	INTACH New Delhi	Conservation of Stone sculptures

D. TECHNICAL SESSION – IV

Speakers	Designation	Topic of Presentation
Maharaj Jai Singh	Chairman, FICCI Rajasthan State Council	chaired the session
Ar. K.Jaisim	Renowned Architect, Bangalore	The epic- from Pattadakal to Tanjore to Konark to Taj Mahal to Wav to Fountainhead
Ar. Abhay Purohit	Renowned Architect, Nagpur	Natural Stone-an efficient architectural material
Mr.V.V.Narayan	CEO, Starrox Industries, Mumbai	Emerging Trends in Indian Stone Industry
Ar. Mona Doctor Pingel	Renowned Architect, Auroville	Stones : Architecture - landscapes experience in a hot-humid climate
Ar. Preksha Baid	Creative Director, Y walls designs, Delhi	Presentation on Marble Diya

E. TECHNICAL SESSION – V

Speakers	Designation	Topic of Presentation
Mr. Rajendra Bhanawat	Managing Director, RIICO	Chaired the session
Ar. Shisir R. Raval	Renowned Architect, Vadodara	Perspectives on aesthetics and Ecology of Stones
Ar. PVK Rameshwar	Renowned Architect, Ahmedabad	Shadows and textures: Exploration in stone and Regional Identity

Ar. Poonam Verma	Renowned Architect, GOA	Building with stone: an experiential learning
Ar. Roopa Roy	Renowned Architect, Bangalore	Use of reclaimed stone
Mr. Dhananjay Dake	Creative Director, Construction Catalysers Pvt. Ltd., Pune	Intrinsic beauty of stones
Ar. Mahesh Mokha	Renowned Architect, Nagpur	

F. TECHNICAL SESSION – VI

Speakers	Designation	Topic of Presentation
Mr. Devaraj / Mr. Arvind Devaraj	Stonetech International, Bangalore	NOW is the time to Adopt Innovative Diamond Multi wire Technology
Mr. Hemant K Jain	Director, Kerakoll India Pvt. Ltd., Mumbai	Kerakoll Professional system for stone laying
Mr. Raghvendra N.	Regional Sales Manager, Flow Asia Corporation, New Delhi	Water Jet Cutting Technology
Mr. Jayesh Patel	Marketing Director, A- International, Ahmedabad	Water jet creating wonders in stone

G. TECHNICAL SESSION – VII

Speakers	Designation	Topic
Prof. C.S.Mehta	Former Chairman Rajasthan Lalit Kala Academy	Brief Presentation of the project-Chokhi Dhani and also chaired session.
Ar. Sanjeev Shankar	Renowned Architect, New Delhi	The hidden hand - Reflections on creation, pedagogy and the body
Mr. D.D.Kasana	Managing Director, Sikandra Stone Crafts	Art & Craft of Sikandra
Mr.S.G.Ranjan	Senior faculty, IICD, Jaipur	Stone Craft Agra Artifact
Ms. Smriti Saraswat	SID, CEPT, Ahmedabad	Stone Craft in Radha Swami Temple in Agra

The Speakers deliberated mainly on issues related to adopting latest technologies in mining, processing, stone applications; preservation and restoration of stone monuments and heritage buildings; conservation of stone resource by reducing wastage; utilization of stone waste in various applications; usage of stone as a structural element and green building material; promotion of stone craft and value addition of stones etc.

The Architectural luminaries highlighted various applications of stone in their work through audio-visual presentations and deliberated on issues pertaining to usage of stones as architectural element. Latest global practices of using stones in modern buildings as well as in landscaping were the major deliberation points. Majority of the architects showed their fascination for using stones in various projects and highlighted the tremendous potential, provided they get material as per required specification, quality and quantity.

The Forum provided an opportunity to the trade delegates to interact directly with the architects for fruitful business interaction also.

CONCUSION AND RECOMMENDATIONS

Following major issues emerged:

- a) Regular training be organized for skill upgradation of stone workmen in the field of mining, processing, conservation & restoration, stone laying and application and handicrafts sector.

- b) Awareness programme should be organized by CDOS for use of stone as structural element and green building material.
- c) Topics on Stone should be introduced in Schools/ ITIs.
- d) Awareness programme may be organized at different stone clusters to assess and identify different usage of stones in different stone clusters.
- e) Workshop for awareness of latest tools, machines, technology and their usage may be organized at different stone clusters.
- f) Architects visits may be organized in different stone clusters mainly in Udaipur, Jalore, Jodhpur, Jaisalmer, Kota for awareness of stone and its uses in the heritage properties.
- g) Standardisation of stones should be promoted and existing standards for stones should be updated and new standards may be evolved.