



Organiser



Co-Organiser



GLOBAL STONE TECHNOLOGY FORUM
INTERNATIONAL STONE TECHNOLOGY CONFERENCE

POST SHOW REPORT

December 14-15, 2017, Kishangarh



GLOBAL STONE TECHNOLOGY FORUM
December 14-15, 2017
Kishangarh

INTRODUCTION

The Seventh edition of GLOBAL STONE TECHNOLOGY FORUM (GSTF)- the International Stone Technology Conference was organized by Centre for Development of Stones (CDOS) with Federation of Indian Chambers of Commerce and Industry (FICCI) as Co-organizer at Kishangarh Marble Association Bhawan, Kishangarh during December 14-15, 2017

SPONSORS

1. Event Sponsor

- Kishangarh Marble Association, Kishangarh

2. Platinum Sponsors-

- Hi-Tech Diamond Tools, Jaipur
- Vinayak Diamond Tools, Jaipur

3. Silver Sponsors

- Shri Bhagwati Machines, Ajmer
- Sehmi Machines, Ajmer

4. Documentation Kit

- Vinayak Diamond Tools, Jaipur

5. Registration Counters

- Active Trade Centre, Jaipur
- Rosava Engineering, Udaipur

6. Session Sponsor

- Wilber Chemicals, Bangalore

SUPPORTED BY

The event was supported by many leading national organizations/agencies associated with mining, tools and export sector:

- a) CAPEXIL- Chemicals & Allied Products Export Promotion Council
- b) DTAI- Diamond Tools Association of India
- c) FIGSI – Federation of Indian Granite and Stone Industry
- d) FIMI - Federation of Indian Mineral Industries
- e) FMAR - Federation of Mining Associations of Rajasthan
- f) KMA- Kishangarh Marble Association

SPEAKERS AND DELEGATES

GSTF 2017 witnessed technical paper presentations and address by 31 eminent National & International speakers from different

fields of Natural Dimensional Stones sector. It was attended by 233 delegates comprising of Stone Quarry owners and Processors, Stone Exporters, Machinery Manufacturers, Tools Manufacturers, Abrasives, Chemicals and other consumable manufacturers, Architects, Builders, Civil Engineers, Interior Designers etc. from Kishangarh, Ajmer, Udaipur, Rajsamand, Makrana, Jodhpur, Karauli, Kota, Jaipur, New Delhi and other stone clusters.

The main focus of the conference was on the following key areas:

- CNC and Water Jet cutting Machines and other value added machines
- Robotic Technology in stone working
- Innovative and latest mining and processing equipment and technologies
- Multi wire processing machines
- Machines for handling and transportation
- Advancements in Resin plants and line polishing machines
- Latest surface finishes and technologies/equipment for achieving the same
- Chemicals and other consumables for surface treatment
- Stone waste management
- Stone cladding technologies
- Value addition in stones
- Stones in architecture
- Emerging markets
- CE Marking
- Non destructive testing for stones

EXHIBITION

A small exhibition was also organised concurrently during the conference with a view to showcase tools, consumables and machinery being used in stone working. The exhibition was formally inaugurated by Shri Rajpal Singh Shekhawat, Hon'ble Industries Minister, Rajasthan.



There were 16 stalls of 9 sqm each. Following companies participated and exhibited their products in the exhibition:

1. Active Trade Centre, Jaipur
2. Fair Media India, New Delhi
3. MEERA Engineers, Jaipur
4. Samrat Chemicals, Udaipur
5. SDP Machines, Ajmer
6. Shanti Abrasives, New Delhi
7. Nixon Sales Corporation, Kishangarh
8. Surie Porex, New Delhi
9. Vinayak Diamond Tools, Jaipur



Delegates and other industry members took keen interest in the products on display.

INAUGURATION



Lighting of lamp by dignitaries

The event was inaugurated by Shri Rajpal Singh Shekhawat, Hon'ble Industries Minister, Government of Rajasthan on 14th December, 2017. Addressing the entrepreneurs, Hon'ble Minister emphasized that new technology and innovation are of paramount importance and if not adopted, the sector will be left behind. He appealed to the industry to use the latest technology which will reduce cost of production, improve productivity & efficiency, make industry more competitive and reduce wastage.



Inaugural address by Chief Guest Shri Rajpal Singh Shekhawat, Hon'ble Industries Minister, Rajasthan

Addressing the gathering Shri Rajeeva Swarup, Additional Chief Secretary Industries, Government of Rajasthan, CMD, RIICO & Chairman CDOS suggested entrepreneurs to adopt the latest trends and technologies looking to the competition being faced by the dimensional stone sector from alternative products. He also emphasized on the environmental concerns due to stone waste as a result of mining and processing waste. He was confident that with adoption of newer technologies the stone industry will achieve success in waste management.



Keynote address by Shri Rajeeva Swarup, ACS, Industries, Rajasthan, CMD, RIICO and Chairman, CDOS

Shri Ashok Kumar Dhoot, Vice Chairman, CDOS, in his welcome address said that changing with times is necessary for development of any industry. He expressed hope that Kishangarh, the marble hub of India will also become granite hub in near future. On behalf of industry, Mr. Dhoot also conveyed thanks to Hon'ble Chief Minister GoR and Hon'ble Industry Minister GoR for effectively representing genuine problems of stone industry to GST Council which helped in reducing GST rates from 28% to 18%.

Shri Kunji Lal Meena, Commissioner Industries, Government of Rajasthan; Shri Gaurav Goyal, District Collector, Ajmer also graced the occasion. Leading luminaries of the trade & industry, architectural fraternity, many senior officers from Rajasthan Government, representatives of various National & International agencies and trade were present during the inaugural ceremony.

TECHNICAL SESSIONS

In the technical sessions, eminent national and international experts comprising technology suppliers, scientists and researchers, consultants and technical experts, architects, civil engineers etc. deliberated on various pertinent issues and highlighted new technological advancements/ developments in the field of mining, processing and value addition of natural dimensional stones through audio-visual presentations.

Delegates keenly participated in the deliberations and raised many issues and problems being faced by them in day-to-day operations and how the new technologies could be beneficial to their operations and business.

The schedule of the technical sessions at the forum alongwith short title of the presentation is as presented in following pages:

TECHNICAL SESSION – I- Stone Mining & Processing Technologies

Speakers	Topic of Presentation
Dr. Giorgio Bignone, Pedrini Spa ad Unico Socio, Italy	Multiwire Technology
Mr. Vinod Bhati, Pedrini, India	Microwave Technology for Resin plants
Mr. Abhilash Bhati, Prussiani, Italy	Water jet Technology
Mr. Massimo Bascherini, Repox Srl, Italy	Block Restoring systems and epoxy solutions to reinforce and embellish slabs of natural stones.



TECHNICAL SESSION – II- Stone Mining & Processing Technologies

Speakers	Topic of Presentation
Mr. Ramesh Khattar, Hualong Machinery Co. Ltd.	Importance of high technology & Value addition in machines
Mr. Mahendra Jangid, L N Engineering	Multiwire Technology
Mr. S P Venkata Nagaraj, Endura Superabs Pvt. Ltd.	Role of super abrasives in stone processing



TECHNICAL SESSION – III- CNC & Robotic Technologies

Speakers	Topic of Presentation
Mr. K G Vijayvargiya, Tecsol Impex Pvt. Ltd	CNC Machining Centers by Helios
Mr. Birju Patel, Susha Mechatronix	Stone Carving, Cutting, profiling with CNC machines
Mr. Sanjay Sharma, Kamtronics Technology Pvt. Ltd.	Robotics for Stone
Ms. Robina Rana, Kamtronics Technology Pvt. Ltd	Uneven / Waste Stone Splitting & Crushing
Mr. Subhash Choudhary, Technoline Automation & Technoline Robo Machineries	Robotics Technology – Industrial Robotics
Mr. C.P Sharma, Rosava Engineering	Robotics in stone working



TECHNICAL SESSION – IV - Surface Finish & Stone Cladding

Speakers	Topic of Presentation
Mr. N Radhakant, MYK Laticrete India Pvt. Ltd.	Natural Stone Installation with moisture barrier system
Ms. Nilanjana Singh, Hilti India	Methodology for dry stone cladding application using Hilti clamps
Mr. Ashish Sinha, Godrej & Boyce Mfg. Co. Ltd	Useful Equipments in Stone Sector- Material Handling
Mr. Saurabh Gupta , Godrej & Boyce Mfg. Co. Ltd	



TECHNICAL SESSION- V- Waste Utilization & Value Addition

Speakers	Topic
Prof Ravindra Nagar, Malviya National Institute of Technology, Jaipur	Use of Granite Waste in Concrete and Building Products (Hollow Blocks, Bricks, Paver Blocks)
Mr. Ashokan Pappu, CSIR-AMPRI	Marble wastes recycling in manufacturing hybrid green composite materials – Opportunity for entrepreneurship and startups
Mr. Mahesh Varma, Nandadeep Designers and Vaulers Pvt Ltd	Building extreme durable structures using stone blocks? Possibility with stone block construction
Mr. Moksh Thaper, FE Industries Pvt. Ltd., Quark Group	Value Addition in Stones
Mr. Hari Mohan Sharma, Siri Maharaja Granites	Value Addition



TECHNICAL SESSION – VI-Marketing, Testing & Other pertinent issues

Speakers	Topic of Presentation
Mr. K Vikram Rastogi, Stone Technology Centre	Emerging Export Markets
Mr. Debashis Ghosh, CSIR-CMERI	Nondestructive testing (NDT) and other testing methods for quality assurance of Indian stone products
Mr. G Sundareshwara, Sigma Consultancy Services	CE marking- Its relevance for stone sector



TECHNICAL SESSION – VII - Panel Discussion

Speakers	Topic of Presentation
Ar Nitin Saolapurkar, Past President IIID	Stones in Architecture
Ar. Rohit Marol, Past President ISOLA	
Ar. Vijay Garg, Vice President, COA	
Ar Ravi Kumar Gupta	
Ar Kapil Mehta, Kapil Mehta Associates	
Ar Abhishek Sharma, Pradeep Sachdeva Design Associates	



The Forum provided an opportunity to the delegates for fruitful business interaction with the experts after the presentation and during the breaks between the sessions.

CONCLUSIONS AND RECOMMENDATIONS

The seventh edition of GSTF was instrumental in exploring the possibilities for Indian Stone industry to adopt latest technical advancements / innovations in the field of Stone Mining, Processing, Value addition and waste management to make the industry more competitive and a zero-waste industry.

Finally it was concluded that better dissemination of these advancements / innovations will take the stone sector to the next level in terms of technology upgradation. Adoption of new technology will be helpful in cutting down the production cost and improve the quality of the product both in mining as well as in processing sector.

Following salient recommendations/ observations emerged for sustainable development of stone industry in the country.

- Dialogue between all stakeholders of the industry through such forums in future on regular basis.
- Concerted efforts in brand building of Indian stones.
- Technological upgradation in mining and processing of stones for preservation of natural resources.
- Organization of workshops/ seminars for gainful utilization of stone waste.

- Stones are the answer to today's need for Green Buildings and are more energy and resource efficient than other building materials. Hence need to be promoted amongst architects for a sustainable environment
- Regular interaction between Architects and Stone Producers to make each other more aware of the needs and possibilities.
- Promote testing of stones for stone selections alongwith R & D projects on stone restoration.