

Organiser



Co-Organiser



GLOBAL STONE TECHNOLOGY FORUM
INTERNATIONAL STONE TECHNOLOGY CONFERENCE

POST SHOW REPORT

December 19 -20, 2019, Udaipur



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INTRODUCTION

The Eighth 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 P. P. Singhal Auditorium, Udaipur Chamber of Commerce and Industry (UCCI), Udaipur during December 19-20, 2019.

SPONSORS

1. Event Sponsor

- R K Marble, Kishangarh
- Rajasthan State Mines & Minerals Limited(RSMML), Udaipur

2. Silver Sponsors

- Shri Bhagwati Machines, Ajmer

3. Lunch Sponsors

- Trivedi Corporation Pvt. Ltd., Abu Road
- Khetan Business Corporation, Udaipur

4. Tea & Coffee Sponsor

- Samrat Chemicals, Udaipur

5. Registration Counters

- Rosava Engineering, Udaipur

6. Contributors

- Breton India, Bangalore
- Shakti Stone & Marble
- Volcanic Stones, Bhilwara
- Giriraj Granites, Palanpur

SUPPORTED BY

The event was supported by the two leading associations of the region. One is directly representing the Natural Stone Industry and the other one is a chamber body closely working for the promotion of the industry:

- a) UMPS – Udaipur Marble Processors Samiti
- b) UCCI – Udaipur Chamber of Commerce & Industry

SPEAKERS AND DELEGATES

GSTF 2019 witnessed technical paper presentations and address by 33 eminent National & International speakers from different fields of Natural Dimensional Stones sector and architecture. It was attended by 190 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, Abu Road, Chittorgarh, Jaipur, New Delhi and other stone clusters.

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

- Innovative and latest mining and processing equipment and technologies
- Restoration of fractured blocks by Vacuum bag
- Robotic Technology in stone processing
- CNC and Water Jet cutting Machines and other value added machines
- Various schemes for MSME
- Multi wire processing machines for granite processing
- Machines for block handling and transportation
- Advancements in Resin plants and Line polishing machines
- Latest surface finishes and technologies/equipment for achieving the same
- Gainful utilization of Stone wastes & slurry
- New technologies in stone cladding
- Chemicals and other consumables for stone surface treatment
- Value addition in stones
- Stones in architecture
- Ready to use stone slabs and tiles

EXHIBITION

A mini exhibition cum catalogue show was also organized concurrently during the conference with a view to showcase Dimensional Stones, tools, chemicals, consumables and machinery being used in stone working.

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

1. R K Marble, Kishangarh
2. State Bank of India, Jaipur
3. MYK Laticrete, Hyderabad
4. Killick Guard Speciality Products, Mumbai
5. GIMCO, Hyderabad
6. DEFT & TACT, Hyderabad
7. CSIR-AMPRI, Bhopal



Delegates and other industry members took keen interest in the products on display and interacted with the exhibitors. CSIR-AMPRI, Bhopal stall which has showcased hybrid composite panels and products made of stone waste was one of the major attractions.

INAUGURATION



Lighting of lamp by dignitaries

The event was inaugurated by Shri Ashok Kumar Dhoot, Vice-Chairman, CDOS on 19th December, 2019. Shri Banaram Choudhary, President, Udaipur Marble Processors Samiti(UMPS); Shri Ramesh Kumar Singhvi, President, Udaipur Chamber of Commerce & Industry(UCCI); Mr Massimo Bascherini, CEO, Repox Srl, Italy; Mr Peter Bernd Agostini, Owner, Biogeria, Italy; Shri Mukul Rastogi, CEO, CDOS and Shri Balvinder Singh Sawhney, Assistant Secretary General, FICCI were also present on the Dias.



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, waste utilization and value addition of natural dimensional stones through audio-visual presentations.

Delegates keenly participated in the deliberations and interacted with speakers on various 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 Processing Technologies

Speakers	Topic of Presentation
Mr. Arif I. Sheikh Quality Group, USA	Stone Tech- Coming of age
Mr. Massimo Bascherini Repos Srl, Italy	Restoration of Fractured Stone Blocks
Mr. Vinod Kumar Singla State Bank of India, Jaipur	SME Marble Plus-SBI Schemes for MSME Sector
Mr. Santhosh Kumar NSV GIMCO, Hyderabad	Stone ' 4.0 – myth or reality factories of the future



TECHNICAL SESSION – II- Mining & Processing Technologies

Speakers	Topic of Presentation
Mr. Anshul Rathi Rathi Mining and Engineering Solutions, Udaipur	Benefits of using Drone in Mining
Mr. Vinod Bhati Pedrini, Italy	Multiwire & Microwave Technology in Stone Industries
Mr. Mahendra Jangid L. N. Engineering, Rajsamand	Multiwire Gangsaw Machines
Mr. Ramesh Khattar Tulsi corporation, Udaipur	Importance of High Technology & Value Addition Machines



TECHNICAL SESSION – III- Stone Mining & Processing Technologies

Speakers	Topic of Presentation
Mr. Deepak Kaliannan Metal Management Services, Chennai	Revolution in Cutting Granite Blocks: The Zenesis Gangsaw System
Mr. Sanjay Kumar Sharma Representative- QTEQ Bidesse, Poland	New Multi Wire Stone Cutting Machine With 4.3 mm wire
Ms. Robina Mathur Representative- MEC, Italy	Stone Splitting Technology
Mr. Mahesh Varma Nandadeep Designers and Valuers Pvt. Ltd. & Hone Structural Health Monitoring (India) Pvt. Ltd, Nagpur	Building extreme durable structures using stone blocks? Possibility with stone block construction



TECHNICAL SESSION – IV - Stone Processing Technologies

Speakers	Topic of Presentation
Mr. Subhash Sharma Volvo CE India Pvt. Ltd.	Preventive Maintenance Process- Importance in Stone Industry
Mr. Ravi Dhabhai Kobelco Construction Equipments	Material Handling Machinery in Quarrying
Mr. Valentino Canepari Diamant Boart, Italy	Wire Operations in Quarries
Mr. Peter Bernd Agostini Biogeria, Italy	Stone Processing Machinery and Tools – Operation, Safety and Health issues
Mr. Shailendra Singh Shri Bhagwati Machines, Ajmer	New machineries for stone processing



TECHNICAL SESSION- V- Value Addition & Waste Utilization

Speakers	Topic of Presentation
Mr. Radha Kanth Nandula MYK Laticrete India Limited	Emerging Trends and Solutions for Successful Tile and Stone Installations
Mr. Ashokan Pappu CSIR-AMPRI	Marble, Granite and Stone waste Recycling: A Sustainable Approach for Economic, Employment and Environmental Benefits
Mr. Pawan Kalla MNIT	Gainful Utilization of Stone Waste
Mr. Avinash Jain Breton India	New Development in Stone Processing machine and technology to create value added products
Mr. Hari Mohan Sharma Siri Maharaja Granites (P) Ltd.	Value addition through various types of Surface Finishes



TECHNICAL SESSION – VI- Stone Care, Installation & Cladding techniques

Speakers	Topic of Presentation
Mr. Herry Sidwani	Use of various chemicals for stone processing and care
Mr. K Vikram Rastogi Stone Technology Centre	Stone & New Products for Architectural Applications
Mr. Neeraj Nayyar Hilti India	New Approach to Dry Stone Cladding Technology
Mr. Sandeep Narang Killick Guard Speciality Products	Protection and Aesthetic of Stone using Impregnation Technology



TECHNICAL SESSION – VII - Panel Discussion

Speakers	Topic of Presentation
Ar. Mukul Goyal	Open Interaction between Industry and Architects
Ar. Ayan Sen	
Ar. Anupam Mittal	
Ar. Charanjit Singh Shah	
Ar. Rajendra Mantri	
Ar. Varinder Khurana	

An open interactive session between 6 eminent architects from India and industry players was organized so that architects can share their experiences on requirement of various types of stones, criteria of selection, procurement and stone installation processes



and difficulties, if any, being faced by them in usage of stones in their projects. Consistency in supplies, thickness of stone slabs,

ready to fix pre-polished tiles and adequate sorting of material while delivery by the suppliers are some of the areas highlighted by architects which are required to be addressed by the industry.

Industry players were of the view that stones being natural material, some variation in colour and pattern is inevitable. However, supplies of large to very large quantities is possible based on requirement. Thickness of slabs depends on specific project requirement and material in various thicknesses can be delivered in addition to routine 15-16 mm thickness material which is industry norm now a days. It was also shared by the Industry players that stone slabs and other material in various types of finishes, polish, sizes can be delivered.

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



CONCUSIONS AND RECOMMENDATIONS

The eighth edition of GSTF was instrumental in creating awareness on exploring 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.

It was concluded that better dissemination of information through such forums about latest 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 and would pave way in greater competitiveness with other global players.

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

- Continuation of dialogue between all stakeholders of the industry through such forums in future on regular basis.
- Concerted efforts in brand building of Indian stones.
- Promotion of newer technologies and machinery like multiwire and CNC for cost effectiveness, fast processing and consistency.

- Development and promotion of cost effective consumables and chemicals for processing, care and maintenance of stones.
- Technological upgradation in mining and processing of stones for preservation of natural resources.
- Promotion of various researches for gainful utilization of stone waste and commercialization of research findings.
- Extensive promotion of stones as Green Buildings material amongst architects and other users as they are more energy and resource efficient than other building materials.
- Customization of stone and products as per requirements of architects.
- Regular interaction between Architects and Stone Producers to make each other more aware of the needs and possibilities.
