Conference Committees

Chairman
1. Shri Viswajeet Khanna, IAS, Secretary to Govt. of Punjab, Deptt. of Science, Technology & Environment

Steering Committee
1. Dr. G.J. Samathanam, Advisor, DST, GoI*
2. Shri J.S. Kamyotra, Member Secretary, CPCB*
3. Shri R.P. Arora, DGM, Corporation Bank
4. Dr. Neelima Jerath, Executive Director, PSCST
5. Shri Girish Sethi, Director, TERI
6. Shri Balour Singh, Director, PEDA

Advisory Committee
1. Shri S.S. Kandhola, PCS, Additional Secretary, Science, Technology & Environment, GoP
2. Shri M.S. Jaggi, Director (CC), PSCST
3. Dr. K.G.K. Warrier, NISST, Thiruvananthapuram
4. Shri A.S. Chamak, President, AIBTMF
5. Shri Kuldeep Singh Makkar, President, PBKO
6. Shri Gulshan Narang, President, HBKO
7. Shri Rajinder Singh, Consultant

Organizing Committee
1. Shri Pritpal Singh, Senior Engineer, PSCST, Principal Organizer
2. Shri Pardeep Garg, PSO, PSCST
3. Shri N. Vasudevan, Fellow, TERI
4. Shri Sachin Kumar, Fellow, TERI
5. Shri Mohanjit Singh, Secretary & Advisor, HBKO
6. Shri Surinder Singla, BKO
7. Shri Krishan Kant Singla, APE, PSCST
8. Shri Maganbir Singh, APE, PSCST
9. Shri Abhishek Chauhan, APE, PSCST

Registration
Participants are requested to register for the workshop by sending the filled in 'Registration Form' along with Registration fee, which includes workshop study material & food (excludes travel & lodging charges).

Registration Fee
Rs. 1000/- per delegate

Accommodation
Can be arranged on specific request on actual basis and subject to availability with hotels at Chandigarh.

Conference Schedule

0930-1030 hrs. Registration
1030-1130 hrs Inaugural Session
1130-1135 hrs Inauguration of Exhibition (Concurrent with Technical Sessions)
1135-1215 hrs High Tea
1215-1330 hrs Technical Session-I : Brick Making - New Technological Options
1330-1430 hrs Lunch Break
1430-1800 hrs Technical Session-II : Mechanization in Brick Industry - Presentation by Machinery Manufacturers
1800 Wrap-up

Address for correspondence
Sh. M.S. Jaggi  
Director  
Punjab State Council for Science & Technology  
(A State Govt. Undertaking)  
MGSIPA Complex, Adj. Sacred Heart School, Sector-26, Chandigarh-160019 (India)  
Tel.: 0172-2795001, 2792325, Fax : 0172-2793143  
E-mail: stcouncilpb@gmail.com  
prit_singh@yahoo.com  
Website : www.pscst.gov.in
**Introduction**

India is the second largest producer of bricks in the world after China with an estimated brick production of 140 billions per year. The brick sector in India assumes great importance as it employs more than 10 million of labour force and contributes 10% to the GDP of the country. The manufacture of brick involves consumption of more than 350 million tonnes of fertile soil and 24 million tonnes of coal annually. Around 42 million tonnes of carbon dioxide gets emitted thereby impacting the environment adversely.

In India, the century old methods of manual preparation of clay, moulding and firing the bricks are being used, whereas, the manufacturing process has undergone a sea change in the developed countries with adoption of total mechanization. Energy efficient products like Resource Efficient Bricks (REBs) i.e. hollow bricks and perforated bricks have replaced the conventional bricks resulting in savings of 20-30% in consumption of the soil and fuel besides improvement in the quality of products. The energy efficient products have further resulted in energy conservation by way of better insulation of buildings with reduced electricity consumption for air-conditioning and heating.

As of now, the labour force in brick industry is not readily available. This is the stage when brick fraternity require mature guidance and access to established/stable technologies.

Recognizing big gap in the technology front, and to reduce green house gases, UNDP-GEF has approved a project “Efficiency Improvements in Indian Brick Industry” with the following objectives:

- Enhancing awareness on resource efficient building materials.
- Facilitating access to finance for brick kiln entrepreneurs
- Improving knowledge related to technology and marketing
- Demonstrating and making available technology and models for producing resource efficient bricks.
- Building the capacities of brick kiln entrepreneurs, supervisors and workers.

**PSCST's Contribution in Brick Sector**

Punjab State Council for Science & Technology (PSCST) is an apex body dealing with the promotion of Science & Technology in the State of Punjab. The Consultancy Cell, is engaged in evolving innovative low cost composite packages for specific pollution problems. The PSCST has been working in the brick sector since 1997 and has demonstrated technology for air pollution control in brick kilns. This technology stands replicated in more than 3500 bricks all over the country.

PSCST has been entrusted with the duties of Local Resource Centre (LRC) for the States of Punjab and Haryana under the UNDP-GEF Project and is working on it since October 2009.

**About the Conference**

In execution of this project, a significant importance has been given to the component of creating awareness and interactive meetings between the technology suppliers and the stakeholders. MBI-2011 is being organized in this very context with collaborative initiative with TERI for providing an interface between the stakeholders and the technology providers.

**Theme Note**

MBI-2011 will be a platform where the best of the technology providers from the world over would interact one-to-one with brick entrepreneurs to arrive at the best technological models. The brick entrepreneurs would also have the golden opportunity to discuss the issues between themselves based on their traditional knowledge and experience. Banks/financial institutions will also participate to fulfill the need of financing on easy terms to the entrepreneurs.

**Exhibition**

MBI-2011 will provide an excellent platform for display of mechanization technologies available all over the world. This will also include an exhibition by leading machinery manufactures from various European/Asian countries, who will conduct one-to-one interaction with the stakeholders.

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**Registration Form**

**Mechanization in Brick Industry MBI-2011**

**March 10, 2011**

**Venue:**
Auditorium, Government Medical College,
Sarai Building, Sector-32, Chandigarh

Name: _____________________________
Name of organization ________________
____________________________________
Designation ________________ Age _____
____________________________________
Field of Interest : Manufacturer/Entrepreneur/ Kiln Owner/ Teacher/R&D/ Others (_______________)
Please Tick or Specify.

Address for correspondence ____________
____________________________________
____________________________________
Phone ___________ Fax _______________
Email __________________________________
(Or clip your business card here)

**Mode of Payment :**
Demand Draft/ Cheque/ Cash for Rs. 1000/-bearing no. ___________ dated ___________ drawn on ___________ in favour of "Punjab State Council for Science & Technology" payable at Chandigarh.

Organized by:
Punjab State Council for Science & Technology,
Chandigarh &
The Energy & Resources Institute,
New Delhi