

The Sugar Times

STAI E-Newsletter

ISSUE 1, 15/JANUARY/2012



From the Desk of
the President



OUR VISION
Sugar Cosmos
under one
umbrella.....

Dear Members,

The year 2011 will be written with the golden letters in the history of The Sugar Technologists Association of India (STAI). The year has been a significant one from many angles. I call it a year of achievements, a year of establishing benchmarks.

Several years of consistent efforts finally resulted in turning a dream into reality; STAI moved into its own office premises in New Delhi. On 19th January 2011 Dr BC Gupta, Secretary (Sugar) Ministry of Consumer Affairs, Food & Public Distribution, GOI, inaugurated the STAI premises. The ceremony which was followed by a national seminar on Addressing Cyclicity in Sugar Industry – Techno Policy Issues was attended by bureaucrats and industry stalwarts in large numbers.

Holding of 10th joint Convention with DSTA was another landmark event of the year where 1200 technocrats gathered to share researches & developments on all aspects of Sugar industry. Besides other regular features, Management Section was also repeated and it was warmly applauded by members and guests. Equally interesting was the acknowledgement of our partners in progress i.e. the technology providers. Sugar Expo held in conjunction with the Joint Convention had representation of small, medium and large – all kind of machinery manufacturers and service providers who brought in most innovative technologies for showcasing to the sugar industry.

Hon'ble Shri Harshwardhanji Patil, Minister of Cooperatives, and Govt. of Maharashtra handed out the Life Time Achievement Awards / Noel Deer Gold Medal and STAI Silver Medals to the industry stalwarts as well as the researchers for their implausible contribution to the sugar industry. Recognizing the fact that steel is a major constituent of all structures in sugar industry, this year's SN Gundu Rao Memorial Lecture was delivered by Dr. Baba Kalyani, Chairman and Managing Director of Bharat Forge Ltd., on "Manufacturing Industry in 2020".

Bringing 4th IAPSIT International Conference & Expo to India was another significant achievement of the year 2011. The 5-day event saw colourful inauguration by two Union Ministers opening the conference & exposition. Hon'ble Shri Sharad Pawar, Minister of Agriculture & Food Processing was the Chief Guest in the Conference and Hon'ble Dr. Farooq Abdullah, Minister of New & Renewable Energy inaugurated the Exposition. Participation of leading Indian and international technocrats, scientists, technology providers, and experts from over 28 countries was the most significant part of the event. The event was also graced by several diplomats and their representatives. This was the first time that IAPSIT, SSRP & STAI joined hands to organize an event of this size.

Over 220 technical papers qualified for presentation out of which 59 were poster presentations.

International delegates and their spouses were taken for sightseeing tours of Delhi & Agra. The delegates also visited Simbhaoli Sugars Ltd., - an integrated sugar complex where they had the opportunity to see sugar factory, sugar refinery, distillery, specialty sugar unit and also a visit to the sugarcane farms. The visitors were also introduced to rich cultural heritages of food & dances of India.

This year saw STAI fostering relationship with leading professional institutions. Besides organizing a Seminar in association with National Sugar Institute Kanpur, we joined hands with IIT Roorkee in organizing a workshop on 'Frontline Leadership' in their campus. We also saw faculty from IIM Ahmadabad visiting STAI premises to conduct a workshop on 'Finance for Non Finance Managers'.

YEAR AHEAD

The STAI Council has drawn up exciting plan of activities for year 2012. Besides, a number of seminars & conferences on the core subjects of sugar & allied industries, we are also venturing into philanthropic activities. Aligning with national agenda, STAI is developing programs for rural development, seminars on petroleum, energy & water conservation, farmers' education, interaction with the students etc. We are going to see increased interactions amongst ourselves and with professional institutions. There will be members' delegations visiting different places, R&D activities on select topics and many more such activities to witness in the times ahead.

On behalf of the Council, I express my most sincere gratitude to all the members of the Association, sponsors, exhibitors & service providers who supported the Association activities throughout the year. I also thank my fellow Council Members for their untiring efforts in fostering the growth and development of the Association.

I wish you all a very happy, prosperous and peaceful New Year - 2012.

G.S.C. RAO

PRESIDENT

“Turning Dreams into Reality – STAI’S Own Office”



“BEST JUST GOT BETTER”

Incarnating this quote. The Sugar Technologists’ Association of India has moved to its own home. The new premise of STAI is a built in 2500 sq ft facility which is well equipped with state of the art with world class facilities. The office is now having its own conference room, training hall and well equipped workplace, with latent audio & video gadgets. It is located in one of the prominent and strategic business locations known as “STAI, Aggarwal Okhla Plaza” at Okhla Phase-1, behind Crowne plaza hotel. The office was officially inaugurated with a big bang on 19th of January 2011. Dr. B.C. Gupta,

IAS Secretary, Ministry of Consumer Affair, Krishi Bhawan, Govt. Of India inaugurated our aspired dream. Dr. G.S.C. Rao, President of STAI and CEO of Sambhaoli Sugar Mills welcomed all guests to the event. It’s an honor for any corporate to acquire an office at such a strategic location.

Our office contemplates that our members and our vision is very precious and special to us. Now, we are more committed to improve and diverse our services and Project deliveries to Sugar Industry and bring joy to our members.

“The Principal Contributors made our Dream come true”

It is gratifying to see that many contributors are feeling so strongly about STAI Success that they have made unsaid commitments and contribution. So, we take this opportunity to express our sincere thanks and appreciating your dedicated contribution towards our visionary growth. This dream would not have come true without the generous contribution by following fund contributors:-

Dr. G.S.C Rao, Simbhaoli Sugars

Mr. B.B.Nikam, Ulka Industries Ltd.

Mr. S.B.Bhad, S.S.Engineers

Mr. G.D.Aggarwal, Shrije Process Engineering Works Ltd.

Suzalkem Technologies, Hydrebad

Mr.G.C.Singh, Sugar Consultant

Dr. M.K. Srivastava, Biodeg Chemical & Allied Industry

Mr. P.K.Belsare, Indiana Sucro Tech Pvt. Ltd.

Kumar Nirmal Singh, Calsens Pvt. Ltd.

We are deeply grateful to the supporters for our new office.



HIGHLIGHTS OF THE YEAR (2010-2011)

10th joint convention of STAI & DSTA

Grand success

The major highlights were:

- One of the biggest congregation of sugar technocrats - participation by 1200 delegates from India & abroad
- Presentation of **100 technical papers** on various facets of sugar technology
- Holding of Symposium on “**Emerging Trend in Sugar, Power and Alcohol Technologies – Vision 2020**”
- Presentation of the S.N. Gundurao Memorial Lecture by Dr. B.N. Kalyani – Chairman and Managing Director of Bharat Forge Ltd., on “**Manufacturing Industry in 2020**”
- Showcasing of latest technologies and equipments by 90 Sugar machinery manufacturers in the Sugar Expo – 2011



All India Seminar On “Addressing Cyclicity in Indian Sugar Industry – Techno Policy Issues”

STAI has organized an ALL India One day Seminar on “Addressing Cyclicity in Indian Sugar Industry – Techno Policy Issues on 19th of January 2011. The seminar was inaugurated by Dr. B.C.Gupta –IAS, Secretary (Sugar), Ministry of Consumer Affairs, Food & Public Distribution, Govt. Of India.



Season after season, the industry encounters new challenges due to cyclical nature of the industry which is not only affecting its sustainability but is also hampering its future growth & prospects. To counter cyclicity, STAI organized



the above seminar in which eminent experts from the Govt. of India, Sugar Industry, Chamber of Commerce, Trade Associations were invited to share their views on the above subject.



All India Seminar on “Latest Energy Efficient Technologies in Indian Sugar Industry”

The sugar industry is passing through hard times, due to over production, coupled with high production cost and subdued domestic price. It has become inevitable for the industry to find ways to reduce the production cost by following technology route for its sustainable performance. STAI has been striving hard to ensure that the modern practices for technology management of sugar industry are adopted to ensure that our industry remains at par or better than the best in the world.

With this background, the All India Seminar on “ Latest Energy Efficient Technologies In Indian Sugar Industry was being organized by STAI on 12th May 2011 at National Sugar Institute, Kanpur, U.P. The seminar was inaugurated by Mr. Vinay Kumar, Managing Director of National

Federation of Coop. Sugar Factories Federation Limited (NFCSF), New Delhi.



Workshop on “Grooming Frontline Leadership for Profitability in Sugar and Allied Industries”

Frontline leaders play pivotal role in day to day operations of sugar & allied industries. These leaders deal with the government officers, customers, suppliers, contractors, financial institutions, service providers etc. With the view to generate superior understanding of the subject, STAI & IIT Roorkee jointly organized one day workshop on “Grooming Frontline Leadership for Profitability in Sugar and Allied Industries” at Roorkee. Eminent industry professionals from western U.P., Uttrakhand & Haryana participated in the workshop.

Prof. V.K.Nangia, Head - Department of Management Studies, IIT Roorkee, welcomed the delegates. He appreciated STAI for joining hands with IITR for conducting the workshop on captioned subject. Prof. Nangia wished to establish long term relationships with the sugar industry & offered the resources of the institute for development of the sugar industry.



Dr. G.S.C. Rao, President, The Sugar Technologists Association of India, New Delhi congratulated Prof. Nangia for joining hands with STAI in this immensely important workshop. He expressed his gratification to the Sugar Industry professionals for participating in the workshop in

big numbers and said that both technical competence and managerial acumen were necessary for growth & development of individuals. Speaking on Frontline Leadership, He said that vision, focus, enormous amount of patience, risk appetite, self confidence to do things without hesitation and the ability to own people and situations were some of the traits of valuable business leaders.

Industry professionals & members of the academia participated in the panel discussion. Apart from sharing industry experiences, the panelists also emphasized on the need of paying attention to service and maintenance, quality of input, satisfaction of employees etc. The session was moderated by Mr. Vivek Bhardwaj, who concluded the session that the bottom-line is to innovate, to learn from problems and focus on individual development.



At the end of the workshop, delegates were awarded certificates of participation by Dr. G.S.C. Rao, President, The Sugar Technologist of India, New Delhi.

Workshop on “Finance Skills for Non-Finance Professionals”

The Sugar Technologists’ Association of India organized one day workshop on Finance Skills for Non-Finance Professionals in STAI Conference hall on 12th Oct., 2011. The workshop was aimed at familiarizing the participants with the terminology of key financial measurements and grooming them with superior understanding of the fundamentals of financial management to help in interpretation of crucial financial data with increased levels of confidence during the negotiations and decision making for their organizations.

The workshop saw active participation of the key professionals from the engineering, production, sugarcane, quality control and administration departments of sugar mills, and sugar machinery manufacturing units, chemicals & polymers

production units, boiler refractory manufacturing unit etc.

The workshop was conducted by the professional trainers. While Ms Neeti Sanan (IIM Ahmedabad) explained elements of financial management, financial accounting & financial statements and elements of international finance, Dr Sangeeta Yadav (MDS University Rajasthan) discussed the global markets and competitive advantages of a firm. The proceedings of the workshop saw active participation of delegates, who raised several queries and clarified their doubts.

At the end of the workshop, delegates were given certificates of participation issued by STAI.

“4TH IAPSIT International Sugar Conference & Expo”

“Balancing Sugar and Energy Production in Developing Countries: Sustainable Technologies and Marketing Strategies”.

With the view to share knowledge and experiences of Indian & international experts, The Sugar Technologist' Association of India (STAI) in association of International Association of Professionals in Sugar & Integrated Technologies (IAPSIT) and Society for Sugar Research and Promotion (SSRP) organized 4th International Conference and Sugar Exhibition from 21st to 25th November 2011 at Hotel Parkland Exotica, New Delhi. The researchers, technologists, extension officers, managers, manufacturers, suppliers and policy makers from around the world deliberated on the theme “BALANCING SUGAR AND ENERGY PRODUCTION IN DEVELOPING COUNTRIES; THE SUSTAINABLE TECHNOLOGIES AND MARKETING STATUS”.

Shri Sharad Pawarji – Hon'ble Minister for Agriculture & Food Processing Industries – Govt. of India, and Shri Farooq Abdullah ji – Hon'ble Minister for New and Renewable Energy, Govt. of India, graced the occasion and inaugurated the Conference and Sugar Expo respectively on 21st Nov, 2011 at New Delhi. They delivered the inspirational and encouraging messages to the delegates and technocrats. They also complimented the organizers for the actions taken to promote the Sugar industry. Their presence made the conference a success and complete.

The gracious presence of the diplomats from Srilanka, Ethiopia, Kenya, Chile and Iraq added flavor to the Conference. Senior bureaucrats, industrialists, and representatives from the SMEs spent their valuable time attending sessions of their choices.

The conference gave an opportunity to listen to and have discussions with eminent experts like Dr. Peter Baron (President of International Sugar Organization), Dr. Rene KFG Kee Kwong, Mauritius Sugar Industry Research Institute, Dr Y.B. Pan & Dr Jack Comstock, Research Leaders from USDA-ARS, Dr TSG LEE, UFSCar, Brazil, and Dr Raffaella Rossetto, APTA Brazil. More than 200 interesting technical papers and 59 posters were presented on contemporary issues of the sugar & allied Industry by Indian and International experts during the conference. Besides, there were showcasing of modern technology and equipments from large numbers of Exhibitors.

Event Focused on the Following:

- ❖ Agriculture & Mechanization
- ❖ Breeding & Biotechnology
- ❖ Sugar Factory Processing
- ❖ Sugar Engineering & Co-Products / Value addition
- ❖ Poster Session
- ❖ Sugar Expo

The 'Cultural Evening' was breathtaking. Seven different Indian classical dances were presented in the honor of the guests. All foreign as well as Indian delegates were grooving on the Indian beats. In continuation, the other two days were highly technical; technical sessions covering all aspects of sugar industry were conducted. At the end, there was valedictory session where session chairmen presented their reports to the audience. An award ceremony was conducted to honor the contribution of outstanding performers.



“I am happy to know that IAPSIT, SSRP and STAI are jointly organizing the 4th International Sugar Conference and Expo at Delhi during 21-25 November, 2011. The importance of the conference is far more significant in the context of the contemporary challenges in production and sustainability in meeting the ever growing need of sugar and energy. Though the shrinking natural resources and the climate changes are likely to impact sugar production, the outlook remains positive in view of the exciting technological advancements taking place in sugar crops research. I hope that the conference on a very relevant theme of Balancing Sugar and Energy Production in Developing Countries: Sustainable Technologies and Marketing Strategies will provide a unique forum for the participating scientists, technologists planners, growers & manufacturers for exchanging the ideas and technologies for the futuristic growth of the global sugar industry.”

SHARAD PAWAR
MINISTER OF AGRICULTURE & FOOD
PROCESSING INDUSTRIES, GOVT. OF INDIA



“I am glad that leading world technocrats & scientists have gathered in India to discuss the two important drivers of economy namely Sugar & Energy at this very forum. I am sure that this platform will provide ample opportunities for exchanging knowledge and learning and all of you will benefit from this exquisite and informative Conference & Expo”.

FAROOQ ABDULLAH
MINISTER FOR NEW AND RENEWABLE
ENERGY, GOVT. OF INDIA

SNAPSHOTS OF THE 4TH IAPSIT SUGAR CONFERENCE

INAUGURATION



Lighting the Lamp of Wisdom
 Hon'ble Sharad Pawar ji,
 Hon'ble Farooq Abdullah ji,
 Dr. Yang Rui Li, Dr. GSC Rao &
 Dr. S Solomon



Release of Books
 Hon'ble Sharad Pawar ji releasing the
 Souvenir and other STAI publications



Sharing lighter moments
 Dr Farooq Abdullah
 in thoughtful mood with
 Dr GSC Rao

SUGAR EXPO THROUGH THE LENS



***Shri Farooq Abdullah ji – Hon'ble
 Minister for New and Renewable
 Energy Inaugurating the Sugar Expo***



***Dignitaries taking a look
 at the exhibition***



***Dr GSC Rao explaining the features of
 an indigenous Sugarcane harvester to
 Hon'ble Minister while other look on***



PLENARY LECTURES



Dr. Peter Baron



Mr. Abinash Verma



Dr. K F Ng Kee Kwong



Dr. Y.B. Pan



Dr. T.S.G. Lee

CULTURAL EVENING



VALEDICTORY SESSION



“APPLICATION OF THE MIND IS MORE IMPORTANT THAN KNOWELDE”

CONFER TO PROSPER



"An event of sugar Conglomerate professionals giving global perspective and providing insights into emerging trends"....

Mr. R.L. Tamak, Business Head - Sugar, Olam Agro (India Ltd.) & Vice President- STAI



"Nice Show!!

I am very happy to see IAPSIT, STAI & SSRP taking initiatives to bring global markets at the doorsteps of Indian Sugar Industry"

*Mr. H.P. PANDEY
Addl. Managing Director
Borhamdev SSUK Maryadit
& Vice President- STAI*



"This was the 3rd International Conference I attended in India. I had never seen such an enthusiasm in the delegates and passion in the organizers. The Sugarcane agriculture section covered all relevant details very well.

The Brazilian models presented during 3rd & 4th sessions would be very useful if implemented in India."

The participation of Chinese delegates is highly appreciated.

Dr. Rammurti Singh, Additional Cane Commissioner, U.P. (Retd.)



"I was highly encouraged by the International participation of Chinese, African's and Egyptian's. Extremely organized with good theme!! People were very rich in knowledge and experience. Students also got the opportunity to deliberate their talent."

TAKAZA HAI TUMSE KI TUFAAN SE KHELO, KAHAN TAK CHALOGI KINARE-KINARE!!

*Dr. Satinder Kaur,
Professor*

*Sugar & Alcohol Technology
Guru Nanak Dev University, Amritsar*

Farmers Showed implausible spirit at International Conference

A group of farmers turned into a source of inspiration for the development of Sugar Industry.



"This is a remarkable opportunity for farmers to gather knowledge about latest technologies used in cultivation of Sugarcane that are tried and tested also in other countries". This is an incredible platform given by STAI!!

Shri Ram Bhaudhonde Shirode,

*A leading Organic Farmer from
Maharashtra*

★ IS-2011 Technical Sessions ★

Agriculture & Mechanization

Dr. Yang Rui-Li & Dr. RNGK Kwong were the session Chairmen, Dr. P. Srinivasa Rao was Rapporteur and Ms. Raffaella Rossetto was Session Co-coordinator. Dr. Jack Comstock was a Special Invitee in the session.

Covering pertinent topics in Agronomy, Biochemistry, Soils & Microbiology, Pests & Diseases and Mechani



zation, 70 papers were presented by experts from 16 countries.

Breeding & Biotechnology

This session was unveiled by Dr. Yong Bao Pan, Dr. S.V. Nair as a Chairman, Dr. MI Nasr as a Special Invitee, Dr. Amresh Chandra as a Rapporteur, and Dr. Isabelle GUINET-BRIALI as a Session Co-coordinator.



35 Technical papers were presented by researchers of India, Fiji, China and Egypt.

Major Findings were Marker assisted introgression breeding, Diversity analysis, Gene cloning & Expression, Trait associated DNA marker, variety Fingerprinting and innovations in Tissue culture – LFS.

Sugar Factory Processing, Engineering & Co-Products/Value Addition

Mr. R.V.Dani & Mr. A.K. Srivastava were the session chairmen, Dr. M.I. Nasr was a Special Invitee, and Dr. Satinder Kaur was Rapporteur and session coordinator. There were 34 papers which were submitted for presentation.



The session ideated on Enhancing Alcohol Production, Processing & Clarification and Energy Conservation.

Management, Marketing & Sustainability Issues

Interactive session with Chairman Mr. Jai Gawander and Chairperson Dr. Kathy Hurley, Rapporteur Dr. Ashok Shrivastava and session coordinator M. Li Tao Yang.



13 presentations were made. The session focused on different marketing strategies and management styles.

Plenary Session

The plenary lectures were given by eminent personalities like Dr. Peter Baron, Mr. Abinash Verma, Dr. Rene K F NG KEE KWONG, Dr. YONG-BAO PAN and Dr. TSG LEE.

Dr. Peter Baron said the key mantra for the modernization in sugar industry is diversification.

Dr. RNGK KWONG talked about increasing productivity of small scale sugarcane farmers.

Dr. T.S.G. LEE has highlighted the Brazil ethanol production in past, present and future.

DR. Y.B.Pan emphasized on Biotechnology impact on sugarcane agriculture and industry.

Dr. Jack C. Comstock discussed about Sugarcane Diseases: Futuristic Management strategies.

Mr. Abinash Verma covered the Indian sugar industry and ethanol blending with petrol programme in India.

Poster session

The posters presented by technocrats covered various areas of knowledge in sugarcane and sugar beet.



In all 59 posters were on display which delegates saw with great interests.

Opportunities Galore at the International Sugar Expo 2011

Grand Start of Sugar Expo 2011 – Interactive Business meet

Shri Farooq Abdullah ji – Hon'ble Minister for New and Renewable Energy, Govt. of India inaugurated the Exhibition on 21st of November 2011 as a guest of honor.

India is the land where one can find everything and when Indian Exhibitors and International delegates came together, the channels of interaction and possibilities of trade between Indian Exporters and Overseas Importers emerged to the fullest. The objective of



the expo was to make a synergy between Indian Sugar Industry and International sugar Industry for sustainable growth in the market.

70 Exhibitors showcased their modern technology & equipment from round the globe. The exhibitors found opportunities to explore new business, tie-ups with other developing countries that hold vast potential for supply of Indian Sugar machinery.



What they quoted.....



“Good Show!! Useful platform for advertising products to international as well as Indian delegates....”

Mr. Kush Puri
Proprietor of Puri Industries.



“Excellent exposure of Indian Sugar technologies on International level....Very Enthusiastic”

Mr. P.K.Belsare
Indiana Sucro Tech Pvt.



“STAI has given an ideal platform to the world sugar industry for sharing ideas and enhancing knowledge of various aspects of sugar and allied industry. This is ever best opportunity to interact with international as well as Indian participants”.

Mr. I.D. Mittal, Chief Consultant at Star Applied Mechanics Pvt. Ltd. & Vice President of STAI

Sum up

Total Delegates: - 700

Total Exhibitors: - 70

International Speakers: - 7

Total Sponsors: - 5

Supporting Organizations:-55

Total Technical Papers & Posters: - 217

“Taking Risk is more important than managing risk”

Experts view

Peter Baron, Executive Director – International Sugar Organization, was a special invitee to the plenary sessions of 4TH IAPSIT International Sugar Conference and Expo-2011.



Dr. Peter Baron – Executive Director

Dr. Peter Baron was educated in Germany where he took a degree in Agricultural Economics and policy. From 1967-1971 he was a junior lecturer at the Technical University, Munich.

From 1971-1993 he served in the German Government at the Ministry of Agriculture, Food and Forestry in Bonn. His responsibilities covered agricultural commodities, i.e. cereals, sugar, cocoa, bananas and wine.

In this capacity he attended many multilateral trade and commodity conferences. In 1992 he chaired the United Nations Sugar Conference in Geneva which led to the present International Sugar Agreement, 1992.

In January 1994 he was appointed Executive Director of the International Sugar Organization. During his term in office membership increased from 39 to 85 countries.

In 2006 Dr. Peter Baron was elected by Master Cana, Brazil, as “International Personality 2006 in the category – Sugar” for his efforts to further a sustainable, driving and dynamic sugarcane agro industry and to ensure enhanced international cooperation in world sugar matters.

Dr. Baron delivered his lecture on “How important is diversification for the world sugar economy?”

He reasoned-out the need to pursue cost-competitiveness across the globe, need to hedge against the extreme volatility of world sugar prices; the finite availability of crude oil and its associated environmental catastrophes, Reliance on oil reserves in politically vulnerable regions; Skyrocketing demand for chemical products with ecological solutions; Increasing appetite for sustainable energy and increasing environmental concerns linked to CO₂ emissions from fossil fuels. During his lecture he raised several issues and elaborated on ethanol production in various countries. In his lecture he said that in a highly competitive globalised industry, all forms of diversification available in beet and sugarcane have to be effectively exploited to achieve an optimal product mix and ensuring long term economic viability and sustainability.

There were tremendous reserves and opportunities for diversification remains untapped. It is up to us to establish ourselves as future leaders in bio-energy. Governments should switch their massive support for “Dirty forms of energy” to “clean, renewable sugar energy”!

Besides his talk in the conference session, he spoke to us and gave his insights on global sugar economy. Commenting on Brazil’s output, he said “it is for the first time Brazil would produce less than the previous year. However, it will not be a dramatic change.” The regression in Brazilian output will be offset by good yield in India, Thailand, Australia and European Union, he said. ISO expects the global sugar output for the year 2011-12 at 172.18 million tonnes, up 4 per cent over

previous years’ 165.18 million tonnes.

For trade between India and China he said that China is set to resume sugar imports to shore up depleted stocks, could buy the sweetener from India, which is likely to permit this year’s first tranche of overseas sales. These two countries should tie up some trade deals, in term of freight and logistics, it makes sense and I see some Indian sugar going to China this year. China is expected to produce 12 million tonnes of sugar in the year that began in October, up 15 per Cent from year earlier, but the consumption is forecasted at 14 million tonnes, leaving a shortfall of 2 million tonnes. China’s sugar output fell in the past three years, triggering imports. It bought 1.67 million in first nine month of this year, up 22 per cent from last year.

Commenting on Indonesia, East Africa and the Middle East he said “I expect India to sell more to these countries this year. Thailand, the world’s second-biggest exporter, is estimated at a record 10 million tonnes in 2011-12 and despite of severe floods in the country cane crops would largely remain unaffected. Despite higher output in Thailand, there would be pretty good demand for India’s sugar as global consumption will be strong this year. Record output in Thailand and supplies from India would almost make up an estimated 2.27 per cent growth in global consumption 2011-12 against a “meagre rise in demand” in previous year, he said. Last week ISO forecast a global sugar surplus of 4.46 million tonnes in 2011-12, but was not certain if the surplus phase would continue into the next year cane year.

4th IAPSIT International Sugar Conference & Expo Concluded Triumphantly



"I am extremely happy to know that the IAPSIT, STAI & SSRP organized the 4th international sugar conference & Expo 2011. The theme of the contemporary sugar industry and I hope that it will prove beneficial to the participating scientists, technocrats, planners, farmers, manufacturers and the global sugar industry."

**Dr. Yang Lui
President IAPSIT**

fiber (3F) by 2050. They recommended up scaling productivity above its current long-term average to continue playing the role as competitive suppliers of food, fuel and fiber (3F). They also suggested the creative and innovative researchers to focus on use of natural resources in a sustainable manner in sugarcane cultivation for growth & development in rural areas.

"Sugarcane the wonder crop" - quoted by experts. Under which they said, for the first time there is a huge interest of the multinational companies in sugarcane which is fuelled by the realization that sugarcane will be a critical component of future biomass production. And, can ensure partnerships to get access to their high throughput technology platforms.

The 3rd day of the event was consummate at valedictory session and award ceremony. The session was unveiled by Dr. Yang Rui-Li, President IAPSIT, Mr. Jai Gawander, CEO Sugar Research Institute of Fiji, Dr. S. Solomon, Secretary IAPSIT and Dr. G.S.C. Rao, President – STAI & Chairman Organizing Committee.

Visualizing the impacts of increased population in developing countries, urbanization and increased usage of Bio fuel usage, experts expected doubling of demand for food, fuel and



"Indian Sugar Industry has the capacity to provide vital support for the development of technologies to facilitate mechanization of sugarcane farming, manufacturing of sugar, production of ethanol and co-generation in the developing countries. This will immensely help in accelerating the economic growth in these countries. I am highly thankful to the Government of India, Diplomats of participating countries, and Indian & International delegates for sharing knowledge and supporting our initiatives".

**Dr. S. Solomon
Secretary IAPSIT**



Dr. G.P. RAO

Organizing Secretary IS-2011

"I am happy with the interactions held with Indian and international delegates. It is really the right time to hold this International Conference & Expo in India, where delegates from different sugar sectors have discussed and shared their thoughts regarding their experiences and exposures in their respective countries for a better future of sugar industry all over the world. Bringing our Mission to India with STAI brought out a fruitful result and now would go a long way. I am extremely happy with the event."

"Sugarcane is the Energy to drive the Tomorrow & Today is the Tomorrow you worried about Yesterday"

Memorized Trip To SIMBHAOLI Sugars



Who has not dreamt of visiting a sugar factory like Simbhaoli Sugars?

Most of the international delegates and their spouses joined in the tour to Simbhaoli Sugars - India's Largest Integrated Sugar Complex. Visitors were welcomed delightfully in an Indian traditional way, through typical Punjabi Dhol beats and were then taken to various manufacturing facilities of Simbhaoli Sugars. Thanks to the interactive guided tour, our guests could discover the secrets of making different varieties of sugar. The guests were taken to showcase the manufacturing units of different products like are as follows:-

- ✓ Bulk Sugar
- ✓ Specialty sugars
- ✓ Potable Spirits

- ✓ Instant Fruit Drink Mix
- ✓ Technology Consultancy
- ✓ International Trading
- ✓ Fuel Ethanol
- ✓ Clean Power
- ✓ Bio-Manure
- ✓ Extra Neutral Alcohol/Rectified Spirits

The visit also traced the production of sugar co-products like Co-generation of electricity, Ethanol, Bio-Manure etc.

The guests thoroughly enjoyed the hospitality of Simbhaoli Sugars and participated in a relished luscious 'Lunch' and colorful cultural evening

✦ GLIMPSES ✦





Upcoming Events

Agriculture – March 2012

All India Seminar on 'Mechanization of Sugarcane Harvesting – Opportunities & Challenges' with Indian Institute of Sugarcane Research at Lucknow.

Sugar Engineering

- SMEs Mission to Pune – January 2012
- All India Seminar on "Trends in Juice extraction systems – Balancing Efficiencies & Power Consumption" at Belgaum, Karnataka. Our partners – SNSI
- One day Seminar on '**Industrial Lubricants**' in association with Indian Oil Corporation Ltd., at Meerut.

Co Products – Cogeneration - All India Seminar on Co-generation at Surat

Connecting Students – Youth Talent of the Year 2012

"Control Parameters for improving Productivity & Efficiency in Sugar Industry" – A debate competition amongst the students pursuing Sugar Technology/Engineering at various institutions

STAI QC Circle Competition – May 2012

Management Workshops

A number of Management Workshops are planned in the year 2012. The topics of the same would be intimated to members from time to time.

71st Annual Convention

The 71st Annual Convention will be organized in August 2012.

Training Programme for Farmers

Training programs for farmers in cane varieties and Intercropping in different regions of the country.

Training for Energy Conservation/ Fuel Saving

STAI in association with Petroleum Conservation Research Association (PCRA) planned a workshop for drivers for saving of fuel consumption on transportation of Sugarcane and Sugar.



The Sugar Technologists' Association of India

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