



### Seminar organized by the institute:

1. An All India one day Seminar on **“Energy Conservation in Sugar Factories to Boost up Power Exports”** was organized on 8<sup>th</sup> October 2013 jointly by National Sugar Institute, Kanpur & S. Nijlingappa Sugar Institute, Belgaum at Belgaum. The seminar was attended by large nos. of delegates from various states & seven no. research papers on the topics pertaining to Bagasse Gasification, Diffuser & Decanter Technology, Use of Bio Based Food Grade Lubricants etc. for enhancing energy savings were presented.



Beside this, renowned manufacturers & technology providers e.g. ISGEC, ULKA, SAP, TVS, MERU, KAY BOUVET & ALFA

LAVAL etc. made their presentations on the occasion.

2. A Brain Storming Session was organized at IISR, Lucknow on 30<sup>th</sup> October 2013 to discuss the issue of **“Development of Indigenous, Small, Low Cost, Area Specific Sugarcane Harvester”**. Large no. of harvester & tractor manufacturers and experts from IISR Lucknow, UPCSR Shahjahanpur attended the session to prepare a road map for development of such harvesters under different agro climatic conditions of the country. M/s IISR, Lucknow also made a field demonstration of a tractor mounted sugarcane harvester developed by them.





3. An All India one day Seminar on **“Innovative Approaches for Productivity Enhancement & Green Link Value Addition of Distillery Waste”** was organized at National Sugar Institute, Kanpur on 26.11.2013. The seminar was inaugurated by Dr. B. K. Yadav, Managing Director, U.P. Cooperative Sugar Factories Federation Ltd., Lucknow.



Dr. G. S. Mann, Member, Advisory Board, National Sugar Institute, also graced the occasion.

During the seminar 14 papers were presented by the research workers & technology providers on various topics e. g. SOP Fired Boilers, Deterioration of Molasses Upon Storage, Water Conservation & Productivity Enhancement in Distilleries etc. Delegates from many sugar & alcohol producing states participated in the seminar.



### **Sale of Sugar Standards:**

The sale of sugar standards commenced w.e.f 1<sup>st</sup> October 2013. During the sugar season 2013-14, seven nos. sugar grades i.e. L-31, L-30, M-31, M-30, S-31, S-30, SS-31 are in vogue. The sugar

standards sold by the institute till 31<sup>st</sup> December 2013 are as under:

Grades	L-31	L-30	M-31	M-30	S-31	S-30	SS-31
No. of Sugar samples sold	160	166	267	362	319	420	169

**Farm:**

For cultivation of the new high yielding & high sugar varieties employing RBS technique, work has been taken up at the institute farm in collaboration with IISR, Lucknow. Wheat has been sown on the raised bed while subsequently sugarcane shall be planted in furrows.



**Commencement of the Final examination:**

Final examinations of various courses conducted by the institute were held in October / November 2013.



Examination held	No. of students appeared
Associateship of National Sugar Institute (Sugar Tech) 2 <sup>nd</sup> Year	56
Associateship of National Sugar Institute (Sugar Tech) 3 <sup>rd</sup> Year	50
Associateship of National Sugar Institute (Sugar Engg.) 1 <sup>st</sup> Year	25
Associateship of National Sugar Institute (Sugar Engg.) 2 <sup>nd</sup> Year	19
Sugar Engineering Certificate Course 1 <sup>st</sup> Year	15
Sugar Engineering Certificate Course 2 <sup>nd</sup> Year	06
Sugar Boiling Certificate Course	57
Pre-harvest Cane Maturity Survey Course	03

**Research Paper Published/Sent for Publication:**

1. **“Application of “BIG-GTCC” Technology in Indian Sugar Industry to Boost up Power Export to Grid”** by Narendra Mohan & J. P. Srivastava presented during All India Seminar on “Energy Conservation to Boost up Power

Export” held at Belgaum on 8<sup>th</sup> October 2013.

2. **“Energy Conservation in Milling to Boost up Power Export”** by D. Swain presented during All India Seminar on “Energy Conservation to Boost up Power Export” held at Belgaum on 8<sup>th</sup> October 2013.
3. **“Challenges before Indian Alcohol Industry”** by Narendra Mohan & Santosh Kumar presented during the All India Seminar on “Innovative Approaches for Productivity Enhancement & Green Link Value Addition & Distillery Waste” held on 26.11.2013 at National Sugar Institute, Kanpur.
4. **“Molasses Deterioration on Storage-Control by Metabolic Inhibitors”** by Alka Gupta & Santosh Kumar presented during all India Seminar on “Innovative Approaches for Productivity Enhancement & Green Link Value Addition & Distillery Waste” held on 26.11.2013 at National Sugar Institute, Kanpur.
5. **“A Study on Fresh Water Conservation in Indian Sugar Factories”** by J. P. Shrivastava & V. P. Singh sent for publication in Indian Sugar.

### **Advisory / Extension Services:**

During the period October – December, 2013, technical services were provided to the following:

1. M/s Jaywant Sugars Ltd., Tal.- Karad, Distt. Satara (Maharashtra).
2. M/s Rai Bahadur Singh Sugar Mills Ltd., Laksar, Haridwar, Uttrakhand.
3. M/s Sanjivani Sahkari Sakhar Karkhana Ltd., Dayanand Nagar, Post-Tiska, Goa.
4. M/s DSM Sugar, Rajpura, Distt- Budaun, U. P.
5. M/s The Kisan Sahkari Chini Mills Ltd., Puranpur, Pilibhit, U.P.
6. M/s Athani Sugars Ltd., Belgaum, Karnataka.
7. M/s Sahakari Siromani Vasantao Kale S.S.K. Ltd., Chandrabhaganagar, Post Bhalawani, Taluka –Pandharpur, Distt. Solapur, Maharashtra.
8. M/s Baramati Agro Ltd., Baramati, Pune, Maharashtra.

9. M/s Bijayananda Cooperative Sugar Mills Ltd., Bolangir, Orissa.
10. Inspection of works of M/s Star Applied Machines Pvt. Ltd., Noida, M/s Uttam Industrial Engineers Pvt. Ltd. Ghaziabad and M/s Hi Tech Engineers, Meerut was carried out on the request of National Co-operative Development Corporation.
11. Inspection of works of M/s Enmass G B Engineering & M/s Veelson Engineering Pvt. Ltd., Trichy was carried out on the request of National Co-operative Development Corporation.

### **Extension Lecture:**

Dr. R. B. Khandgave, Director, S. Nijlingappa Sugar Institute, Belgaum delivered a Lecture on “**Productivity Enhancement through Sugarcane Quality Improvement**” on 31.12.2013. Dr. Khandgave presented details of the sugarcane quality available in tropical region & efforts being made for varietal improvement.

### **Institute to extend technical support in Karnataka:**

National Sugar Institute & S. Nijlingappa Sugar Institute have agreed to work

together for improving the technical efficiency of the sugar factories & distilleries in Karnataka. An understanding to this effect was made during the meeting held between Shri Tushar Giri Nath, Secretary, Commerce & Industries, Govt. of Karnataka, Dr. R. B. Khandgave, Director, S. Nijalingappa Sugar Institute & Shri Narendra Mohan, Director, National Sugar Institute, Kanpur. National Sugar Institute - S. Nijalingappa Sugar Institute shall jointly organize Seminars / Workshops / Brain Storming Sessions/Training Programmes at various places in Karnataka besides rendering technical advice to sugar factories & distilleries on various issues.

1-संस्थान के निदेशक महोदय द्वारा दिनांक 28-10-2013 को प्रातः 11:00 बजे संस्थान में कार्यरत अधिकारियों एवं कर्मचारियों को उनके कार्यकलापों के प्रत्येक क्षेत्र में ईमानदारी एवं पारदर्शिता बनाए रखने की प्रतिज्ञा दिलाई गई।



### सतर्कता जागरूकता सप्ताह :

संस्थान में सतर्कता जागरूकता सप्ताह दिनांक 28-10-2013 से 02-11-2013 तक मनाया गया। इस आयोजन का प्रमुख उद्देश्य लोगों के मध्य सतर्कता के बारे में व्यापक जागरूकता का प्रचार-प्रसार करना और भ्रष्टाचार मुक्त संस्थान का निर्माण करना था।



सतर्कता जागरूकता सप्ताह के दौरान संस्थान में निम्नलिखित कार्यक्रम आयोजित किए गए:-

2-संस्थान में कार्यरत एवं अध्ययनरत सभी अधिकारियों, कर्मचारियों एवं अध्ययनरत छात्रों से 10-11-2013 तक स्लोगन आमंत्रित किए गए, तत्पश्चात् एक कमेटी द्वारा उपयुक्त स्लोगनों का चयन किया गया ।

3-दिनांक 31-10-2013 को निबन्ध प्रतियोगिता का आयोजन किया गया जिसमें संस्थान के लगभग 35 अधिकारी, कर्मचारी एवं अध्ययनरत छात्र उपस्थित थे।

4-दिनांक 31-10-2013 को वाद-विवाद प्रतियोगिता का आयोजन किया गया जिसमें संस्थान के 30 अधिकारी, कर्मचारी व छात्र उपस्थित थे।

### हिन्दी कार्यशाला :

संस्था में मल्टी टास्किंग स्टाफ में हिन्दी के प्रति जागरूकता तथा हिन्दी को बढ़ावा देने के लिए दिनांक 31-12-2013 को एक कार्यशाला का आयोजन किया गया, जिसमें मल्टी टास्किंग स्टाफ के 25 लोगों ने भाग लिया।

### Video Conferencing:

To arrange interaction of the students/staff with experts from other organizations/factories, the video-conferencing facility has been established by the institute.

### Cultural Programme:

On the occasion of Annual function, a cultural

programme was organized by the Council of Student Activities on 02.10.2013. Shri Narendra Mohan, Director inaugurated the Cultural Programme.



During the function, Vandemataram – Vandana, Baba Gorakhnath – Play & a Comedy Show organized by the students along with “Kala Shakti”, a cultural society drew large applause.



The faculty members, staff & their families participated in the programme in large numbers.