

NSI, Guljag Industries to develop new chemical for cane juice clarification

PIONEER NEWS SERVICE ■ KANPUR

National Sugar Institute and Guljag Industries Ltd, Jodhpur signed a Memorandum of Agreement on Friday. The memorandum was signed by NSI Director Prof Narendra Mohan, and Tushar Gosavi on behalf of GJI.

As per the pact, the two organisations will undertake development of sodium meta-bisulphite based innovative products for clarification of sugarcane juice. This shall be used in place of sulphur which is used for production of sulphur dioxide in sugar factories.

Addressing the function, Prof Mohan said that at present most of the Indian sugar factories carried out juice clarification using lime and sulphur dioxide gas for producing white sugar. He said thus for processing juice from approximately 300 million metric tons sugarcane crushed, import of sulphur was carried out in substantial quantities. He said Indian sugar industries consumed about 0.18 million metric tons of sulphur per annum and therefore use of alternative chemical which was indigenously available would result in saving of foreign exchange on imports and take a step towards



Director NSI Prof Narendra Mohan signs a Memorandum of Agreement at the Institute on Friday.

Atmanirbhar Bharat and Indian sugar industry.

Ashok Kumar Garg, assistant professor of sugar technology, highlighting the importance of such products said that while sulphur dioxide caused problems of corrosion of process equipment and machinery structures, it also caused air pollution to some extent due to release of gas in the atmosphere. He said thus development of such products resulted in lower corrosion and hence low maintenance

cost, while also improving the sugar quality by lowering the sulphur content.

He said the trials on laboratory scale would commence from January 2022 while the product would be tried at the experimental sugar factory of the NSI from February 2022 onwards.

CITY POWERLIFTERS SHINE IN UP'S VICTORY: City players led the state to victory in the boys and girls categories of the National Sub-Junior/Junior/Master

Powerlifting Championship (women/men) held in Hyderabad (Telangana) from November 16 to 20.

The city powerlifters won 12 gold, five silver and four bronze medals to help the state emerge champions.

According to secretary of Uttar Pradesh Powerlifting Association Rahul Shukla, Harsh Chaurasia and Ashish Joseph were declared the strongman in equipped and unequipped categories respectively.

Gold medal winners included Akshat Pandey, Ayush Katiyar, Ritesh Singh Bhaduria, Harsh Chaurasia, Ashish Joseph, Naman Gupta, Mohit Verma, Kushi Yadav, Kaushiki Awasthi and Anshika Tewari.

Besides, Prakhari Singh, Anand Yadav, Vijay Jaiswal, Akanksha Patel and Shilpa Rajpur bagged silver medals while Karikey Gangwar, Saurabh Kumar, Aman Vardhan and Pragati Singh Gautam won bronze medals.

Secretary of Kanpur Powerlifting Association Saurabh Gaur along with Rajesh Dixit, Manish Mishra, Suraj and Sudhanshu Arya were also present during the event.

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एनएसआई में सल्फर की निर्भरता कम करने को समझौता

कानपुर, 26 नवंबर। राष्ट्रीय शर्करा संस्थान एवं मेसर्स गुलजैग इन्डस्ट्रीज लिमिटेड, जोधपुर के मध्य एक अनुसंधान समझौते पर हस्ताक्षर किये गये जिसके अनुसार राष्ट्रीय शर्करा संस्थान गन्ने के रस की सफाई के लिये गुलजैग इन्डस्ट्रीज के साथ एक मेटाबाइसल्फाइट आधारित उत्पाद को विकसित करके उसका प्रयोग गन्ने के रस की सफाई में करेगा। इसका प्रयोग चीनी मिलों में सल्फर डाइ ऑक्साइड के स्थान पर किया जाएगा। संस्थान के निदेशक प्रो नरेंद्र मोहन ने बताया कि अधिकांश चीनी मिलों में चूने एवं सल्फर डाइ ऑक्साइड के प्रयोग द्वारा गन्ने के रस की सफाई की जाती है। देश में चीनी मिलों द्वारा लगभग 3000 लाख टन गन्ने की पेराई से प्राप्त रस को साफ करने के लिये सल्फर बहुतायत में आयात किया जाता है। सल्फर के स्थान पर किसी दूसरे रसायन का उपयोग जो कि देश में ही मिले, चीनी मिलों की आत्मनिर्भरता की ओर कदम होगा। उन्होंने बताया कि देश में प्रतिवर्ष लगभग 1.80 लाख टन सल्फर की खपत चीनी मिलों में होती है। इस प्रकार के स्वदेशी उत्पाद से सल्फर के आयात में होने वाली कमी से विदेशी मुद्रा की बचत भी होगी। संस्थान द्वारा यह परीक्षण 2022 से शर्करा तकनीकी अनुभाग की प्रयोगशाला स्तर एवं संस्थान की प्रायोगिक चीनी मिल में किया जाएगा।