



In the meeting industrialist presented their views and various issues related to production of fuel ethanol from sugarcane juice/syrup, B-heavy molasses and Sugar. The economics and disposal of distillery effluents through zero liquid discharge (ZLD) were also discussed.

After presentations, Mr. Ajitdada Pawar, Mr. Jayant Patil, Mr. Dilip Walse-Patil, Mr. Rajesh Tope, Mr. Shamrao alias Balasaheb Patil, Mr. Shambhuraj Desai, Mr. Jayprakash Dandegaonkar, Mr. Harshavardhan Patil, Mr. Shekhar Gaikwad, Mr. Kantilal Umap, Mr. BB Thombare, Mr. Shivajirao Deshmukh and Mr. PK Mirase, expressed their views on the existing problems faced by the sugar and distillery industry. They emphasized on present difficult economical conditions of sugar mills which is resulting into non availability funds for new

distillery, expansion of existing distillery and installation of ZLD technologies. They also requested the GoM for issuing licenses from commissioner of state excise and consent from MPCB and also requested to help for getting soft loan from central or state governments.

In concluding remarks, Mr. Sharad Pawar addressed to all distinguished guest and delegates. He appealed and requested to all sugar mills and distilleries to divert maximum sugarcane juice/syrup or B-heavy molasses for ethanol production that will help to bring down stocks of sugar and also improve the financial health due to maximum revenue generated from ethanol. He also ensured that issues raised by the participants should be discussed with DFPD and CPCB/MoEF officers to understand their views and further necessary action should be taken.



Interactive meeting presided over by Mr. Sharad Pawar Hon. President, VSI



Mr. Sharad Pawar Hon. President, VSI felicitated Mr. Pramod Chaudhari, founder chairman, Proj Industries Ltd., Pune

## National Webinar on Preparations for Ethanol Production from BH Molasses, Cane Juice, Syrup and Sugar

National webinar on 'Preparations for ethanol production from BH molasses, cane juice, syrup and sugar' was jointly organized by Vasantdada Sugar Institute (VSI) and the Ethanol Manufacturers Association of India, Indian Sugar Mills Association (ISMA), National Federation of Co-operative Sugar factories Ltd. (NFCFSF), All India Distillers' Association (AIDA) and MRSSK Sangh Ltd. at VSI, Manjari (BK), Pune, India on November 4, 2020.

Total 240 participants attended the webinar. During the inauguration function, welcome address was given by the Hon. President of VSI Mr. Sharad Pawar. He highlighted current ethanol demand & supply status, ethanol blending policy and importance of renewable energy. He mentioned about National Policy on Biofuels - 2018 and new agenda of Golon Renewable Sector. He also emphasized on Gol's Make in India & Swachh Bharat Abhiyan for doubling of Farmer's



Income, Import Reduction, Employment Generation and Waste to Wealth Creation.

Dr. SV Patil, Head & Technical Adviser of Department of Alcohol Technology & Biofuels, VSI delivered the presentation on '**Challenges, strategy and cost-economics of ethanol production from multiple feedstock**'. He described the objectives and agenda of the event. He emphasized on Indian and world sugar balance sheet, ethanol demand and price trend. He explained how current ethanol blending demand can be met by diverting sugar to B-heavy route. This will help to reduce surplus sugar stock and also promote EBP. He discussed two case studies (with bio-compost and incineration routes) for fuel ethanol production using different sugarcane feedstocks (C-molasses, B-heavy molasses & Sugar cane syrup) and their combination. Mr. Abinash Verma, Director General, ISMA summarized the presentation given by Prof. SV Patil. He then shared his views especially on current ethanol pricing and EBP programme. He mentioned that sugar diversion to ethanol will help to avoid surplus sugar stock for timely payment of FRP to the farmers. He also emphasized on need of increasing distillery capacity to fulfill current ethanol demand.

Dr. R Dani, Head, Sugar Technology, VSI delivered presentation on '**Implementation of DFPD guidelines in sugar mill for diversion of BH molasses or other feedstock for ethanol production**'. He highlighted Part-I, II, III of DFPD guidelines. He also focused on guidelines & requirements of storage of different feed-stocks & colour coding under Part-II of DFPD guidelines. He also explained about diversion of sugarcane juice/syrup, production, dispatch and stock records of each feed stock, recovery calculations for partial diversion of juice/syrup.

Mr. Prakash Naikaware, Managing Director, National Co-operative Sugar Factories Federation summarized the presentation given by Dr. R Dani. He mentioned that around 426 cr lit of ethanol will be required to fulfill 10% ethanol blending by 2022. He pointed out that there is need to speed up process of EC clearance for EBP promotion.

Dr. Vidyasagar Sidnale, Sr. Sugar Technologist, Sugar Technology, VSI gave presentation on '**Challenges and**

**remedies in sugar processing while diverting BH molasses or other feedstock for ethanol production**'. He explained about advantages of BH diversion in sugar plant, challenges & remedies for BH diversion etc.

Mr. Vivek Pittie, President, ISMA summarized the presentation given by Dr. VP Sidnale. He highlighted about steam and other saving due to diversion of sugar to B-heavy/Syrup route. He pointed out that some pollution boards are rejecting bio-compost route for ZLD and also insisting on CO<sub>2</sub> plant installation which may cause additional cost burden on sugar mills and slowdown EBP.

Mr. Avinash Deshmukh, Technical Officer, Alcohol Technology & Biofuels, VSI delivered presentation on '**Implementation of DFPD guidelines in distillery for ethanol production**'. He explained National Biofuel Policy-2018, vision & goals of policy, Part-I/II & III guidelines in details. He also explained pricing of biofuels and DFPD guidelines in connection to ethanol storage (PESO Norms).

Mr. Rahul Patil, Technical Officer, Sugar Technology, VSI gave presentation on '**Methodology to be used for FRP recovery calculations during diversion of BH molasses or syrup**'. He explained about day recovery loss calculation during diversion of BH molasses, preparation of weekly report, fortnight report & RT7© report.

After presentations, Mr. Vijaysinh Mohite-Patil, President, EMAI, Mr. Jayprakash Dandegaonkar, Chairman of MRSSKSL, Mr. Shivajirao Deshmukh, Director General, VSI, Mr. Kantilal Umap, Commissioner of State Excise, Mr. Prakash Naikaware, Managing Director, National Co-operative Sugar Factories Federation, Mr. Vivek Pittie, President, ISMA, Mr. Abhinash Verma, Director General, ISMA and Mr. VN Raina, Director General, AIDA participated in panel discussion and deliberations on the webinar. Mr. Jayprakash Dandegaonkar emphasized that it is necessary to calculate profitability for different routes on case to case basis from VSI. He also mentioned about reduction of sugar stock by diverting sugar to ethanol production for survival of sugar industry in future. Mr. Kantilal Umap appreciated that the webinar was very elaborative, integrated and interactive by



Involving various stakeholders from institutions, industry and Govt sectors. He informed about newly formulated state excise policy by GoM which is supporting EBP. Mr. Vivek Pittie mentioned about ethanol pricing formula need to put in public domain for increasing investor/sugar mill confidence. He also mentioned about ethanol blending need to be allowed more than 10% in surplus sugar state like Uttar Pradesh, Maharashtra and Karnataka.

In concluding remarks, Mr. Shivajirao Deshmukh emphasized that distillery capacity is limiting factor

in successful implementation of EBP and GoI should help sugar mills for increasing distillery capacity by providing financial & policy support. He highlighted that production of ethanol from sugarcane juice/syrup will be profitable if pollution board allows the industry to use land application for effluent disposal. Finally, he concluded the webinar with vote of thanks. Overall co-ordination and moderation of webinar was conducted by Mr. AN Jamadar, Mr. VP Ghule and Mr. Sagar Bramhe.

## 45<sup>th</sup> Foundation Day



Lighting the lamp by Mr. Shivajirao Deshmukh, DG, VSI on the occasion of 45<sup>th</sup> Foundation Day of VSI

VSI celebrated 45<sup>th</sup> Foundation Day on November 19, 2020. All Head of Divisions/Sections gathered at Board room. On this occasion, Mr. Shivajirao Deshmukh, Director General, lighting the lamp. On this occasion, Mr. Vikas Deshmukh, Director, AST and all Heads of Divisions/Sections were present.

## World Soil Day

World Soil Day (WSD) is held annually on 5<sup>th</sup> December as a means to focus attention on the importance of healthy soil and to advocate for the sustainable management of soil resources. Soil science section celebrated the World Soil Day on December 8, 2020 under the theme 'Keep soil alive, protect soil biodiversity'.

Mr. Vikas Deshmukh, Director, AST, Dr. BD Bhakre, Head, Department of Soil Science and Agriculture Chemistry, MPKV, Rahuri, and all head of section and staff of Agriculture were present. Total 70 participants from 22 sugar mills and farmers were present online for this event.

Dr. Preeti Deshmukh welcomed the guest and all the participants and briefed the importance of world soil day. Mr. Vikas Deshmukh, focus on the integrated nutrient management practices for sustainable soil fertility and cane productivity. Dr. BD Bhakre delivered the lecture on '*Shashwat oos utpadanasathee jamin aarogya aani eakaatmik annadravye vyasthan*'. He briefed the importance of organic manure, application of chemical fertilizer on the basis of soil testing, reclamation of salt affected soil. The event concluded with vote of thanks.



*Vikas*

Principal

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