

Training details published in VSI bulletin



Short Term Training - Bagasse Based Co-Generaton

Oos Sheti Dnyanlaxmi

In the remembrance of Founder President of VSI, Late Padmabhushan Dr. Vasantdada Patil, *Oos Sheti Dnyanlaxmi* and *Oos Sheti Dnyanyag* a 5 days residential training programmes were organized for women and men sugarcane growers of Maharashtra State at VSI. The 1st phase of the year 2018, training programme will be conducted by Agriculture Scientists and Technical Staff of VSI into four batches during June to July 2018. In this, 1st batch of *Oos Sheti Dnyanlaxmi* program was conducted on 25th - 30th June 2018 and inaugurated by women farmers of the participants and Agriculture Heads of sections from VSI. Total 176 participants from 11 Sugar Mills were present.

This Training programme was conducted in the form of theory lectures and practical field demonstrations on various topics comprising modern and scientific sugarcane cultivation technologies covering the topics like sugarcane varieties & varietal planning, three-tier seed nursery programme & its implementation, tissue culture, modern planting techniques, weed management, soil fertility & fertilizer management, irrigation water management, use of bio-fertilizers, growth stages of sugarcane crop, farm mechanization, sugarcane economics, ratoon management, integrated disease & pest management etc. The function concluded with the discussion session in which participants interact with subject experts about their doubts. Mr. BH Pawar, Senior Scientist & Head, Plant Pathology Section has coordinated this activity.



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expert. The valedictory function of the training programme was held on 31st May, 2019 under the Chairmanship of Mr. Shivajirao Deshmukh, DG and Mr. Vikas Deshmukh, Director, AS&T and all HOD/ HOS agriculture and participants. Mr. Shivajirao Deshmukh addressed the trainees and expressed the

need to give more attention towards proper soil sampling and soil analysis and also focused on nutrient deficiency symptoms in sugarcane field. The certificates were given to trainees and programme was concluded with vote of thanks.

Short Term Training Programme – June 2019

The Institute conducted short term training programmes on different courses for the employees of the sugar mills and distilleries to enhance their working knowledge, information to adopt new technology and guidance to industries to perform their key objectives. The effectiveness and practical utility

of these courses have been widely accepted and adopted by the industries. These training courses are an essential criterion for promotion of trained employees. The short term training courses conducted and the number of participants from 11th to 22nd June 2019 as given below;

| Sr.No. | Course Title | No. of Participants |
|--|---|---------------------|
| Sugar Technology | | |
| 1 | Juice Clarification & Evaporation | 51 |
| 2 | Pan Boiling & Centrifugals | 95 |
| 3 | Special Analysis in Laboratory | 14 |
| Sugar Engineering | | |
| 4 | Boiler Attendant | 45 |
| 5 | Mill Foreman | 35 |
| Alcohol Technology and Biofuels | | |
| 6 | Fermentation & Distillation techniques in distillery | 06 |
| 7 | Wet and Instrumentation Analysis in Distillery | 05 |
| Instrumentation | | |
| 8 | Techniques in Analytical Instrumentation | 08 |
| 9 | Repairs & Maintenance of Sugar Factory Instruments. | 47 |
| Environment Sciences | | |
| 10 | Pollution Control and Environment Management in Sugar Factory | 06 |
| 11 | ETP Operation | 18 |
| Total Trainees | | 330 |

Oos Sheti Dnyanlaxmi and Oos Sheti Dnyanyag

In the remembrance of founder President of VSI, Late Padmabhushan Dr. Vasantdada Patil, Oos Sheti Dnyanlaxmi and Oos Sheti Dnyanyag, a five days residential training programme were organized for women and men sugarcane growers of Maharashtra State at VSI. The 1st phase of training programme will be conducted in four batches during June to July 2019.

First batch of Oos Sheti Dnyanlaxmi program was conducted from 18th – 22nd June 2019 and total 111 participants from Five (5) sugar mills were present. The 2nd batch of Oos Sheti Dnyanyag program was conducted from 25th – 29th June, 2019 and total 231 participants from five sugar mills were present. The details were given in below table. Both these programs

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were inaugurated by Mr. Vikas Deshmukh, Director, AS&T along with participants and HOS, Agriculture Division were present. This Training programme was conducted in the form of given theory lectures and practical field demonstrations on various topics as comprising modern and scientific sugarcane cultivation technologies covering the topics like sugarcane varieties & varietal planning, three-tier seed nursery

programme & its implementation, tissue culture raised plants, modern planting techniques, weed management, soil fertility & fertilizer management, irrigation water management, use of bio-fertilizers, growth stages of sugarcane crop, farm mechanization, sugarcane economics, ratoon management, integrated disease & pest management etc. The function concluded with the discussion & vote of thanks.

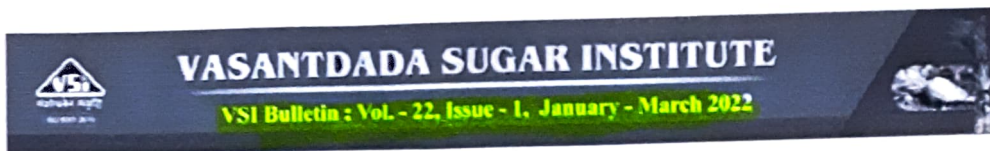
| Batch No | Period | Name of Sugar Mill | No. of Participants |
|---|---|--|---------------------|
| Oos Sheti Dnyanlaxmi (Women farmers) | | | |
| I | 18 th to 22 nd June 2019 | Pandurang SSK Ltd., Solapur | 13 |
| | | Chatrapati Shahu, Kagal SSK Ltd., Kolhapur | 44 |
| | | Dr. Patangrao Kadam Sonhira SSK Ltd., Sangli | 29 |
| | | Vishwasrao Naik SSK Ltd., Sangli | 08 |
| | | Bhimashankar SSK Ltd., Pune | 16 |
| | | Individual | 01 |
| | | Total | |
| Oos Sheti Dnyang (Men farmers) | | | |
| II | 25 th to 29 th July 2019 | Shri Datt Shirol SSK Ltd., Kolhapur | 20 |
| | | Jawahar SSK Ltd., Kolhapur | 143 |
| | | Chatrapati Shahu Kagal SSK, Ltd., Kolhapur | 44 |
| | | Dudhganga Vedganga SSK Ltd., Kolhapur | 17 |
| | | Bhogawati SSK Ltd., Kolhapur | 05 |
| | | Individual | 02 |
| Total | | 231 | |



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Overview of Distilleries and Alcoholic Beverage Industry

Mr. Prasad Survey, Deputy Divisional Commissioner, Pune, State Excise, Government of Maharashtra State requested VSI to arrange half day training programme on 'Overview of distilleries and alcoholic beverage industry' for their 113 trainee officers. In this regard Department of Alcohol Technology & Biofuels (AT & B), VSI conducted half day training programme on 18th February 2022 for the trainee State Excise Officers, Government of Maharashtra. Mr. SR Jadhav, Deputy Superintendent, Hadapsar, Pune, Mr. Yuvraj Shinde, Deputy Superintendent, Pimpri Chinchwad and other few officers of training center Khandala were also present for the training programme.

In the training Mr. DA Patil, Assistant Professor & Joint Technical Adviser, AT & B, elaborated the importance of the course to the participants.

The first lecture was delivered by Mr. RV Godage, Assistant Professor & Joint Technical Adviser, AT & B. He has briefly presented his presentation on the topics such as Molasses quality, Storage of molasses, Batch fermentation, Continuous

fermentation, Atmospheric and Multipressure distillation, Characteristics of rectified spirit, Extra neutral alcohol, Fuel ethanol, Azeotropic distillation, Molecular sieve dehydration and DFPD Guidelines.

Mr. DA Patil has presented his presentation on topics such as Role of Excise in distillery unit, Alcoholic fermentation process, Factors affecting on distillery performance, Atmospheric distillation process, Production process of country liquor, Indian made foreign liquor (Whisky, Brandy, Rum, Gin & Vodka), records and registers to be maintained in CL & IMFL, taxes and duties on molasses and alcohol.

Dr. KS Konde, Associate Professor & Technical Adviser, AT & B, thanked to the Commissioner, State Excise, GoM and their Officers for sending their trainee officers for training. He has also taken the review of the lectures.

In the concluding session of the training programme, Mr. Prasad Survey thanked to the management of VSI and concern staff of AT & B for giving valuable information about training to the trainee officers.



Oos Sheti Dnyanyag & Dnyanlaxmi

In the memory of founder president of VSI late Padmabhushan Dr. Vasantdada Patil, Oos Sheti Dnyanyag & Dnyanlaxmi - residential training programmes were organized for sugarcane growers

of Maharashtra at VSI in two batches during December 21-24 & 28-31, 2021 reported in previous issue of VSI Bulletin and remaining batches were conducted during January to March 2022 is reported in the present issue of VSI Bulletin. Details as given below:


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| Batch No | Date | Area from which the farmers participated | No. of Participants | No. of sugar mills & individuals |
|---|---|--|---------------------|-----------------------------------|
| Oos Sheti Dnyanyag programme (Men farmers) | | | | |
| I | 21 st to 24 th Dec. 2021 | Kolhapur Districts and Vidarbha region | 101 | Sugar mills: 05 Individual: 04 |
| II | 28 th to 31 st Dec. 2021 | Sangli and Satara Districts | 120 | Sugar mills: 04 Individual: 01 |
| III | 4 th to 7 th Jan. 2022 | Pune, Ahmednagar and Nashik Districts | 119 | Sugar mills: 05 Individual: 03 |
| IV | 22 nd to 25 th Feb. 2022 | Solapur Districts and Marathwada region | 79 | Sugar mills: 05 Individual: 03 |
| V | 2 nd to 5 th Mar. 2022 | Marathwada region (special batch) | 86 | Sugar mills: 04 |
| Oos Sheti Dnyanlaxmi programme (Women farmers) | | | | |
| VI | 8 th to 11 th Mar. 2022 | Sangli, Satara and Solapur Districts | 53 | Sugar mills: 04 |
| Total participants (Women + Men) | | | 558 | |


In Oos Sheti Dnyanyag and Dnyanlaxmi training programs total 558 (11 sugarcane farmers were participated individually and rest of the farmers were deputed by 22 sugar mills) sugarcane farmers were participated from different parts of Maharashtra. The training programs were conducted under the guidance of Mr. Shivajirao Deshmukh, DG and Mr. Sambhaji Kadupatil, OSD, VSI.

Mr. BH Pawar, Senior Scientist & Head, Plant Pathology Section coordinated this program with the help of members of the different committees belongs to different disciplines of AST Division.

In the training lectures on various topics related to sugarcane agriculture like varieties & varietal planning for planting & harvesting, seed nursery management, tissue culture use, modern planting techniques, weed management, soil fertility and fertilizer management, irrigation water management, use of bio-fertilizers & bio-control agents, farm mechanization, economics of cultivation, ratoon management and integrated disease & pest management were conducted by Subject Matter

Specialists. More emphasis was given on practical and field demonstrations. The information on different types of Agriculture inputs developed by VSI and academic activities of VSI was also given to them.

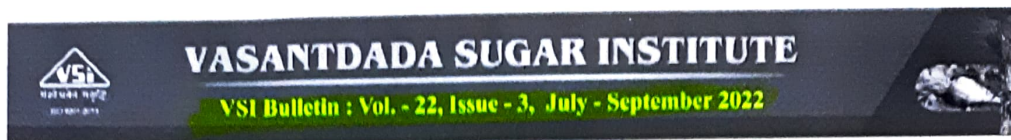
In the plenary session of every batch, the trainees got their doubts cleared from the subject experts. In the concluding function, the representative trainee farmers expressed satisfaction about the training, lodging and boarding facilities and overall coordination of the training. The certificates along with group photos were distributed to the trainees. In Oos Sheti Dnyanlaxmi plenary session invited Mrs. Snehlata Kadupatil as guest of honor and felicitated. She distributed the certificates along with group photos to woman participants.


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TRAINING

Oos Sheti Dnyanyag & Dnyanlaxmi

In the remembrance of founder President of VSI late Padmabhushan Dr. Vasantdada Patil, Oos Sheti Dnyanlaxmi and Oos Sheti Dnyanyag a four days residential training programmes were organized for

women & men sugarcane growers of Maharashtra State at VSI during July to August 2022 in five batches as per the following details given in table

| Batch No | Date | Area from which the farmers participated | No. of sugar mills, individuals & total Participants |
|---|--|--|--|
| Oos Sheti Dnyanlaxmi (Women farmers) | | | |
| I | 5 th to 8 th July 2022 | Kolhapur, Satara, Sangli and Solapur Districts | Sugar mills : 05 Individual : 04 Total = 173 |
| Oos Sheti Dnyanyag (Men farmers) | | | |
| II | 12 th to 15 th July 2022 | Kolhapur Dist. and Vidarbha region | Sugar mills : 07 Individual : 01 Total : 216 |
| III | 19 th to 22 nd July 2022 | Sangli and Satara Dist. | Sugar mills : 07 Individual : 04 Total : 183 |
| IV | 26 th to 29 th July 2022 | Pune, Ahmednagar and Nashik Dist. | Sugar mills : 08 Individual : 06 Total : 164 |
| V | 3 rd to 6 th August 2022 | Solapur, Pune Dist. and Marathwada region | Sugar mills : 10 Individual : 03 Total : 232 |
| Grand Total (I to V Batches) | | | 968 |

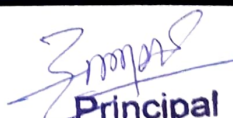
A training programme was conducted under the guidance of Mr. Shivajirao Deshmukh, DG and Mr. Sambhaji Kadupatil, OSD, AS&T. Mr. BH Pawar, Senior Scientist & Head, Plant Pathology Section has coordinated this activity with the help of HODs & HOSs and staff of AS & T Division.

The training programme conducted in the form of theory lectures and practical field demonstrations on various topics like sugarcane varieties & varietal planning, three-tier seed nursery programme & its implementation, tissue culture, modern planting techniques, weed management, soil fertility &

fertilizer management, irrigation water management, use of bio-fertilizers & bio-control agents, farm mechanization, economics of sugarcane cultivation, ratoon management, integrated disease & pest management etc.

In the plenary session of every batch, the participants raised their queries and answered from the subject experts. In the concluding remarks, trainees expressed their views about training. Later certificates along with group photos were distributed to the trainees and function concluded with vote of thanks.




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Oos Sheti Dnyanlaxmi programme (Women farmers)



Oos Sheti Dnyanyog programme (Men farmers)

Batch No. : II



Batch No. : III



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Batch No. : IV



Batch No. : V



Short term training programme for State Excise Officers of Maharashtra State

Commissioner of State Excise, Government of Maharashtra State requested VSI to arrange a short term training programme for their newly appointed officers. In this regard Department of Alcohol Technology & Biofuels (AT & B), VSI conducted tailor made short term training programme from July 11 to 15, 2022 (I Batch) for the Deputy Superintendent (2 Officers) and from September 5 to 8, 2022 (II Batch) for the Assistant Commissioner (1 Officer) and Deputy Superintendent (6 Officers), State Excise Officers, Government of Maharashtra.

The courses were inaugurated by Dr. KS Konde, Head, Professor & Technical Adviser, Department of AT & B. He introduced the staff to the trainee participants. He briefed the importance of the course to the

participants. He also thanked the Commissioner of State Excise, Government of Maharashtra for sending the officers for the training at VSI.

Both the short term courses covered topics such as composition of molasses & its storage, preservation and maintenance of yeast cultures, propagation of yeast culture on industrial scale, global and national scenario of distillery industry and potential of the country to meet the demand and supply of alcohol, latest technologies of alcohol production from various feedstock, various types of fermentation & distillation processes, operating parameters and operational efficiencies, alcoholometry, microbial analysis of molasses, estimation of viable yeast count, fuel ethanol production by molecular sieve dehydration



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