



# Message

An efficient extension system capable of timely dissemination of need based farm technology among farming communities is vital for achieving sustained growth in agriculture. Agri-Input Dealers are one of the major sources of information dissemination on farming accessed by farmers.

There is a need to broadbase the network of agri-input dealers in every village of the country. Diploma in Agriculture Extension Services for Input Dealers (DAESI) program imparts relevant and location specific agriculture education to help the existing input dealers to acquire Knowledge on agriculture. DAESI also enables interested youth to get trained under DAESI in their district and become eligible both technically and technologically to take-up agri-input dealership. As we turn-over the calendar, it reminds us about scarce time left in the financial year to achieve the targets of organising new batches and completing the existing programs.

I request the Directors and the State Nodal Officers in all SAMETIs to take necessary steps to promote the DAESI programme through ATMA and NTIs in all the districts. I wish that, the remaining period of the year will be used effectively to ensure wide reach of the DAESI programme.

**Best Wishes** 

DAESI SAMACHAR

VOLUME- I

ISSUE – VI

(P. Chandra Shekara) Director General

Nov-Dec 2021



# IN THIS ISSUE

- 1. State Level Regional Workshop on DAESI at SIAET, Bhopal.
- 2. Resources for publicity and guidelines for Implementation of DAESI
- 3. Refresher orientation workshop for DAESI facilitators at West Bengal.
- 4. Success story of DAESI Input Dealer.
- 5. Innovative approach for preparation of watermelon jaggery from watermelon juice.
- 6. MANAGE Consultant meets input dealers in Maharashtra State.

## State Level Regional Workshop on DAESI, SIAET at Bhopal.

### **Background:**

One-day state level workshop on DAESI (Diploma in Agricultural Extension Services for Input dealers) was organized on 23.11.2021 by SIAET (State Agricultural Extension and Training Institute), Bhopal and National Institute of Agricultural extension Management (MANAGE), Hyderabad. The workshop was held under the chairmanship of Mrs. Preeti Maithil Nayak, Director, Farmers Welfare and Agriculture Development, Bhopal and Dr. Mahantesh Shirur, Deputy Director, Principal Coordinator (DAESI), MANAGE, Hyderabad, was Chief Guest on this workshop. The DAESI facilitators, Input dealers and State Nodal officers attended the workshop from 45 different districts of Madhya Pradesh

## Goals of the Workshop:

- To create an awareness on good practices in DAESI implementation.
- To give orientation on MIS data entry of DAESI Programs.
- To explore the possibility of more numbers DAESI programs in different districts of Madhya Pradesh.
- To discuss and identify actions to implement the DAESI program in Madhya Pradesh.

## **During the State / SAMETI level workshop:**

- An exhibition was organized to display the good record books, Sketches, Herbarium and Problem-solution records of selected candidates.
- All Facilitators presented their innovations, success stories, etc. through a poster presentation.
- Invited input dealers who have done good work as para-extension workers in collaboration with ATMA, Department of Agriculture, Department of Horticulture and Extension workers in KVK, etc. for sharing their experience.



## **Inaugural Session**

Shri K.P. Aharwal, Director, SIAET, welcomed the chief guest facilitators and State Nodal officers. After the welcome address, he briefed about activities of SIAET. He highlighted that SIAET is making efforts in effective Implementation and monitoring of DAESI programs in Madhya Pradesh. He further remarked that SIAET is dealing with some training program with state officials. During 2016-17 to 2021-22, SIAET has completed 92 DAESI batches and another 51 batches are ongoing in Madhya Pradesh.



Dr. Mahantesh Shirur, Deputy Director, MANAGE, addressed the gathering.

### **Session 1 Overview of DAESI Implementation**

Dr. Mahantesh Shirur, Deputy Director (Agril. Extn), Principal Coordinator (DAESI), MANAGE, Hyderabad highlighted the importance of DAESI program in India. The main objective of this program is to impart technical knowledge on agriculture to input dealers and to transform them into para- extension professionals, so as to enable them to address the day to day problems and issues faced by the farmers at field level. He urged all facilitators to implement the DAESI program by following all guidelines to ensure effective learning among candidates.

## Session 2 Facilitators presentations:

Shri Hari Singh Thakur, Facilitator, Agriculture College, Indore, Shri R.S. Zonwar, Assistant Director, Facilitator, District Shivpuri, Smt. Pratibha Gaur, Sub-Divisional Agriculture Officer, Jabalpur and Dr. B.P. Sutrakar, Assistant director, Chhattarpur gave account of details about DAESI batches in their respective NTIs with various goods practices and innovations adopted by the NTIs for organising the DAESI programme effectively.



Shri Hari Singh Thakur, Facilitator, Agriculture College, Indore, Shri R.S. Zonwar, Assistant Director, Facilitator, District Shivpuri, Smt. Pratibha Gaur, Sub-Divisional Agriculture Officer, Jabalpur and Dr. B.P. Sutrakar, Assistant director, Chhattarpur gave account of details about DAESI batches in their respective NTIs with various goods practices and innovations adopted by the NTIs for organising the DAESI programme effectively.

The other facilitators who had attended the workshop were Shri, Mahesh Sharma, Shri. Bhagwan Singh Kumrawat, Mr. Gopesh Pathak, Mr. Jagdish Thakur, Mr. Arun Gawli, Dr. H.K. Mishraa and Dr. Awadhesh Singh, and gave their presentations.

### Session 3 Feedback from input dealers:

Mr. Sanjay Sharma, Mr. Vikas Khanna, Mr. Prakash Seni, Mohammad Sakir, spoke that after the DAESI program they came to know about importance of proper use of agriculture chemicals. The DAESI program helped us to learn all basic knowledge and important legislation on agriculture.

### Session 4 Valedictory address:

Mrs. Preeti Maithil Nayak, IAS, Director Agriculture, Bhopal, Madhya Pradesh attended as chief guest of valedictory of this program. She opined that every developing block/panchayat should have agricultural input dealer as these are primary source of connecting farmers directly. If there is any problem in the license, then application should be submitted under the Public Service Guarantee Act. All the dealers should ensure to provide fertilizers to the farmers by advising them to give fertilizers and medicines as per the requirement. All the farmers should be motivated for soil testing, the dealers should also make sure to give suggestions to the farmers in this regard.



Mrs. Preeti Maithil Nayak, IAS, Director Agriculture giving Valedictory address

Mr. Uttam Singh Jadoun, Deputy Director, State Nodal Officer, (SIAET) proposed vote of thanks to the participants and organising team.



Glimpses of the State level Workshop (23-November 2021, SIAET, Bhopal, MP).

















5

### **Resources for publicity and guidelines for Implementation of DAESI**

### **Diploma in Agricultural Extension** Services for Input Dealers (DAESI)

About DAESI

Diploma in Agricultural Extension Services for Input Dealers (DAESI) is diploma of one year duration to train the agri input dealers to becor ne para extension

Objective

To train the Agri-Input dealers to serve as para-extension professionals and help the farmers with sound agro advisories

### Implementation

- This program is certified by the Government of India and implemented by National Institute of Agricultural Extension Management (MANAGE), State Agricultural Management & Extension Training Institute (SAMETI) and state Agricultural department.
- Agricultural Technology Management Agency (ATMA), Krishi Vigyan Rendras (RVKs) and many other Nodal Training Institutes (NTIs) are involved in Implementing this program at district level. The program is implemented as Centre Sector Plan Scheme (CSPS) for existing
- input dealers having licence in Agri-input trading, and as Self Finance (SP) Scheme for prospective input dealers who want to Start Agri-input dealership.

### Admission & Course Fee

- The condidates can apply for admission to DAESI program batches announced by NTh in their native district or near by districts. The course fee of the program is Rs 20,000/.. The candidates enrolled onder
- CSP5 batches will get the subsidy of 50% of the course fee (Rs 10,000) from the Ministry of Agriculture & Farmer welfare, Govt of India

### **Course Design**

- The technical information is delivered through weekly contact classes in designated NTIs by Agricultural Experts & Practitioners at district level on any ne day of the week
- The programme of 48 weeks includes 80 lectures and eight field visits spread over a year

### **Exam and Certification**

- The learning is reinforced through sketch book, problem solution registers and assignments every week.
- At the end of all the sessions, the candidates will appear for final ex after which the successful candidates will be issued the Diploma.

### HATTORAL INSTITUTE OF ABRICULTURAL EXTENSION MANAGEMENT ( MRNAGE) STATE INSTITUTE OF AGRICOLIUME EXTENSION AND TRAINING ISLAETI

**Bocuments Required For DEAS! Application And Thier** 

Sequence Of Enclosure

**Application Form With** 

**2** Passport Size Photo

Graduation Marksheet

Any Other Education

License (CSPS Batch)

PC (if Required)

Aadhar Card

**Bank Passbook** 

Demand Draft (DD)

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Caste Cerificate (if SC/ST)

**10th Marksheet** 

12th Marksheet



STATE INSTITUTE OF ADRICULTURE EXTENSION AND TRAINING (SIRET)

### see Detailt

- Name of the application and candidates Father Name should be entered, as per records of SSC. Any candidate's any changes in the name should be supported with Natany.
  INTINas female candidate's, the facilitate has to ensure D/o.o. r W/o to the entered. Proper affiliant has to be produced while submitting the final results for female candidates in new of ensurementer.
- while submitting the total results for termine calculated in case of deviation. Gender and Relationship should be selected carefully as the data once entered will not be estimated and the same will be printed on the certificate. In case of CSPS Batches, Type of license should be updated
- multority.
- Course Fees and DD Date should be uploaded correctly. The Photographs of the candidates should be uploaded with proper uniform and Id Card.

The maximum size limit for uploading the photographs is 100 Kb. on Details

- The session datalis should be entered within a week of completion of the class or before the commoncement of rest session commences to avoir the wrong entry of date and class
- If there is any shange is the conduct of DAESI class other than the scheduled day, it should be intimated in advance to the memory downliking the monates in advance in the memory of the memory and afternoon session should be
- be entered separately. In Remarks section, the absentee candidates of the both the session should be entered along with their names and M
- The details of guiz exams, Midterm, Practical and Final examinations should be extend within a work of completion of

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STATE ACCTUAL IN ACCOUNTERS LATINGED AND TALANCE CONSTITUTION

# Bo's and Don'ts during

### **Financial Details**

- · Audited UC details should be settered computerily in the MIE Partal in CSPS batches, the SD % amount received from DACB FW sheeld be entered as \$5,360,000/-if ATMA is an ATE and when the NTILs other than ATMA (KVK, College, NGO etc.) It should be thread us Rs. 340.000/-
- \* In Self-Finance batche, the munitoring charges of Rs. 20.000/ centitized for MANAGE should be entered along with UT number/ DOJ Cheque Number and Date of Transaction Immediately after the recomption of the batch and a copy should be solve MANAGE through email.
- . In case of Self-Fleance, latch the amount received fro dealers choold be entered as Rr. 760,0001/- 2 ATMA is an NTI and when the NTI is other than ATMA (KVK, College, NGO stc.) it. should be antered as Rs. 740,000/-

### Exam Marks

- . While entering the results, the candidate name should be selected carefully
- . While entering the marks, the attentiance should be entered for number of sessions attended by the candidate and not the wentur of weeks.
- + If the condidate has discontinued the source, it should be neitas "discor need" while entering exam marks i Status Cell and in case of shortage of attendance it should be mentioned as "shortage of attonidance".



Note: MANAGE can share Soft copies of such resources to prepare posters and banners for organising events by SAMETIs and NTIs.

DAESI SAMACHAR

ISSUE – VI



### **Refresher Orientation Workshop for DAESI Facilitators at West Bengal**

### **Background:**

In last few years, due to Covid-19 pandemic, visit to the centers were restricted and physical review of the running courses could not be done. From different interactions, specially, while conducting final examinations of DAESI at different NTIs in the month of February and September, 2021, it has been found that there is good scope of further improvement in conducting DAESI course, specially, when a long period was passed without physical classes of DAESI students etc. There is another observation, that in most of the NTIs, Facilitators are new and are not equipped with the ideal running of the course.

In that context a 'Refresher Orientation Workshop' of the DAESI Facilitators was organized in 'Physical mode' during 8-9<sup>th</sup> November, 2021 with the following objectives.

- i. To provide overall and clear idea about the DAESI course
- ii. To guide on the proper role of the Facilitator
- iii. To orient on the steps for maintaining quality of DAESI education

During the 2-day programme different aspects were dealt. The facilitators were oriented with basic course structure, objective, methodology and monitoring aspects. A review was done with the facilitators about their experience, difficulties and suggestions. Director, SAMETI; Additional Director of Agriculture (HQ) and Additional Director of Agriculture (Training) along with 35 Facilitators along with 2 Course coordinators and Faculty members of SAMETI participated the programme.



## **Members Participated:**

34 Facilitators and Course coordinators; Director, SAMETI; Additional Director of Agriculture (Head Quarter) and Additional Director of Agriculture (Training) from Dept. of Agriculture; 04 Faculty members of SAMETI.



### Decisions taken during the refresher orientation program:

- 1. All Facilitators to read the DAESI guidelines and shall follow the steps/procedure as given in Annexure-I.
- 2. The Quality control of the course feedback will be taken from the students on understanding of class content.
- 3. Facilitators will give due importance in guidance and /monitoring on preparation of different documents as shown in the 'Exhibit materials', displayed, and as per guidance given in Annexure-II.
- For 2020-21 batches 4 documents essentially to be prepared by students: Field Records (Practical Register), Records for Sketches (Sketch and Coloring Book), Presentation of Assignment (Assignment), and Problem-Solution Records in addition to Report Exposure Visit Report.
- For 2021-22 batches, 'Success story Documentation' and 'Herbarium Collection' to be prepared along with above-mentioned documents. 'Herbarium Collection be done as shown in the 'Exhibit materials', displayed and 'Success story' will be prepared as per Annex- IV.
- 6. Associating the regular classes (theory and practical) with standing crops at farm and agricultural farm activities.
- 7. Communicating students on regular basis about the importance of maintaining regular attendance and their status at the end of each month.
- 8. Formal quarterly general notification on 'Status of Attendance' of all candidates as per format in Annexure-III
- 9. Formal communication (letter) by cautioning the candidates who are in margin of attendance.
- 10. Marks components of final exam for 2021-22 batches will be restructured as per MANAGE communication.
- 11. Associating the regular classes (theory and practical) with standing crops at farm and agricultural farm activities.



### Success story of DAESI Input Dealer:

Mr. Raju Kar did his DAESI (Diploma in Agricultural Extension Services for Input Dealers) course from Dakshin Dinajpur Krishi Vigyan Kendra, Uttar Banga Krishi Viswavidyalaya in the year 2018-19. He learnt many things like importance of soil testing, enriched compost, integrated pest management, green manuring, bio-fertilizer application, mushroom cultivation from the institute.



Mr. Raju Kar

After completing his DAESI programme Mr. Raju involved in various extension related activities like awareness camp, diagnostic center, and advisory services to the farmers of the district. He gives suggestions to the farmers how to increase soil health. He also encourages farmers for organic farming in their crop field. He conducted various demonstration in the farmer's field with the help of KVK. Before he undergone DAESI course he was using a lot of chemical fertilizers and pesticides in his banana plantation. In the initial years, he could able to harvest better income but gradually his banana plantation was not giving sustainable yield.



Showing soil collection procedure

Advisory services

Advice to farmers on diseases

During DAESI course the field visit was conducted to a progressive farmer's field where, Mr. Kar learnt the importance of using of farmyard manure, adoption of micro irrigation, changing the mono-cropping system to multiple cropping system etc. Based on his learning, he introduced a mixed cropping system in his field with Ginger and turmeric between banana plants and he has planted trees around the border. And also he started 'Organic farming" with fruits and flowers, which ensures the nutritious vegetables and good quality flowers. Mr. Kar made underground drainage in his plantation to control water stagnation. Now, he feels very satisfied with DAESI course and he attributes that these positive effects are as a result of the various good practices learnt from DAESI program and he is also involved in diffusing agricultural knowledge to the farming community of his area. Now Mr. Raju claims that his income has almost doubled due to his new knowledge and practices learnt through DAESI training. *(Contact: Mr. Raju Kar-629555928)* 

VOLUME- I



# Innovative approach for preparation of Watermelon Jaggery from Water melon Juice.

Sri Abhijith Banik took initiative when he came to know that farmers are not fetching remunerative price after huge production of watermelon in Hooghly district of West Bengal particularly in Dhaniakhali, Polba, Khanakul and Arambagh area.

Bengal Agri Trust Farmers Producers Company Ltd. (BATFPC Ltd.) gave him the information that watermelon weighing 5-6 kg is only about 2-10 rupee in the peak summer season. However, farmers have to discard undersized watermelon and whitish small watermelon which are not marketable. This unmarketable watermelon is also rotting in the field creating a foul odour all round.

Keeping this in mind, farmers were advised to cultivate in two season summer and kharif. When kharif crop is harvested during the peak festive season they are getting better price. But problem of undersized watermelon persists.

As such, the idea of making jaggery from watermelon struck in his mind when his mother (72 years old) made a mistake by putting cut watermelon pot on the gas burner instead of milk pot that were kept in the refrigerator side by side. It is her regular practice to boil and concentrate the milk to make dahi every day at 7.00 pm. But on that very day she kept the watermelon pot unknowingly in her drowsy condition when she was alone. At 8.30 pm Mr. Banik came in and got burnt smell and found that watermelon pot is burning on low sim. He discovered reddish black jelly like jaggery was prepared in thick consistency. He tasted and smelled the preparation. He got astonished and mentally prepared for making jaggery from watermelon juice.

His dream came true when he went to Bengal Agri Trust Farmers Producers Company Ltd, Dasghara, Dhaniakhali, Hooghly in a field visit programme on 23.11.2021 under DAESI course of 5<sup>th</sup> and 6<sup>th</sup> Batch (T.P No.1473 and 1474). He shared the idea with Board of Directors of the FPC. They contacted with Mr. Sanat Santra, a renowned watermelon farmer and collected 7 undersized watermelon around 1 kg each. Mr. Banik took 4 nos. of watermelon and first time he prepared jaggery from it at ATC, Chinsurah on 24.11.2021.

Materials: Two medium sized water melon weighing about 3.50 kg from the local market of Chinsurah @ Rs.60/- per Kg and three weighing about 2.0 kg collected from Farmers Field.

Total Watermelon Weight is 5.5 kg

**Utensils:** Knife, Large Tray, Steel Tub, Hand Chipping Machine/ Juicer, Induction Cooker and Boiling Pot.

5



1. Watermelon are cut into 4 sections and the reddish or whitish pulp or mosaic red white pulps are separated from each section.



2. Extraction of juice from Watermelon.



3. Straining with a white clean cloth and press to remove the pulp and seeds.



4.Boil the extracted reddish juice on the induction cooker until a thickened consistency is obtained. Stir the boiling juice to prevent the burning of the lower surface of the pot.

5. After boiling of 1 hour 40 minutes 115 grams of reddish jaggery obtained.

Note: For further Technical details and economic benefits of Watermelon Jaggery you may please contact Mr. Abhijith Banik.

Sri Abhijit Banik Joint Director of Agriculture (Personal) (Training) ATC, Chinsurah, Hooghly Mobile number: 9802631164, Email Id: <u>abani197@gmail.com</u>



## MANAGE Consultant meets input dealers in Maharashtra State

6

MANAGE nominated Dr. Shabbir Patel consultant for monitoring DAESI final exams in Maharashtra State. He has Monitored six DAESI Exams from 11<sup>th</sup> to

23<sup>rd</sup> November 2021 in Nandurbar, Jalgaon, Nashik, and Washind of Thane Division of Maharashtra state. The WANAMATI and ATMA representative were also present during the exams, on the sidelines of the examinations, he had an interaction with DAESI Agri input dealers and discussed how they are making use of Knowledge learned during the DAESI batch. The following persons interacted with Sri Chandrakant Thakkar, Malegaon, Sri Rambhau Jadhav Dindori road, Panchavati, and Sri Bandhu Keru Jadhav, Sinnar of Nashik District on 20<sup>th</sup> November 2021. The brief feedback obtained during the discussion is given below

**Chandrakant Thakkar** 68 is a retailer and wholesaler of agri-inputs at Nashik District of Maharashtra state. He has been in agri-input business since 38 years. In the initial period of business, he used to sell about 10-12 molecules like copper sulphate, Rogar, Bavistin, Nuvacran etc., and hardly used any disease specific chemicals.



He attended all the DAESI classes regularly and got benefited by gaining technical knowledge and necessary skills to address the field problems of customers. He could his develop goodwill among farmers through crop related advices which in turn helped his business. He says sale of biological agriinputs and organic agri-inputs needs lot of educating efforts from the dealer's side to make the farmer understand and get them convinced. DAESI course has helped him to deal with this challenge.

**Sri Rambhau Jadhav** 56 is the owner of Vaibhav agro services, a wholesale and retail counter at Nashik District of Maharashtra state. He has been in agriinput business from past 30 years. Initially he started in village level selling only 2 to 4 chemicals. He attended DAESI program in 2019-20 through ATMA. According to him, he has learnt about various technical aspects in



agriculture, especially about INM (Integrated Nutrient Management), IPM (Integrated Pest Management) and soil health management.



Before joining DAESI program his work experience is very limited and focused more on chemicals, now he is recommending farmers about organic pesticides and biological control. He says farmers are depending more on discussing all insect pest and disease problems with input dealers.

**Sri Bandu Jadhav** In his opinion DAESI is good course and it helped me to learn effective fertilizer and pesticide management. Now he is able to solve

farmers problems effortlessly and give good suggestions to farmers. He is further suggesting to other input dealers to register in DAESI course to guide farmers and to run the business profitably.



During the visit Dr. Shabbir Patel found that majority of the farmers are frequently spraying chemicals in most of the vegetable growing crops. The Consultant advised them to use biopesticides and organic fertilizers to reduce the cost of cultivations for better yield and environment friendly. He thought them about principles and practices to adopt IPM in different crops.

### **Overview of DAESI Program.**

- 1) Number of SAMETI's, implementing DAESI program 21
- 2) Total number of candidates enrolled 65,759
- 3) Candidates appeared in final examination 47,919
- 4) Number of ongoing batches 446
- 5) Number of candidates enrolled in ongoing batches 17,840
- 6) Certificates Issued –39,065
- 7) Total Programs completed 1242

### **Progress in the month of November-December**

- 1) Number of exams completed 61
- 2) Number of batches inaugurated 47
- 3) Number of batches completed graduation day 23







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DAESI SAMACHAR

VOLUME- I

ISSUE – VI

14