

## **International Training Program**

**On**

**Agro technology in cotton, beans, onion and sugarcane for the participants from Myanmar**

### **1. Background**

In Myanmar, rice is most important staple crop. Besides, paddy, cotton, beans, onion and sugarcane are important for the economy of the nation. Myanmar agriculture will greatly benefit with the improved agro-technology application in cotton, beans, onion and sugarcane. The officials and technologists from Myanmar can be trained at MANAGE Hyderabad with the help from ICAR-Directorate onion and Garlic research, Nashik, ICAR-Central Institute for cotton research, Nagpur, ICAR-Indian Institute of Horticulture Research, Bangalore, Prof, Jayahsankar Telangana State Agriculture University, Hyderabad and Konda Laxmaniah University of Horticulture University, Siddipet/Hyderabad. The program will be organised under the umbrella of Indian Technical Economic Cooperation (ITEC) program of the Ministry of External Affairs, Government of India.

### **2. Objective**

The main objective of the proposed training is to create a forum for discussion on the dissemination of knowledge and technologies on cotton, onion, beans and sugarcane, strategies for value addition, and importance of establishing a network of breeders, food processors, farmers, businessmen, researchers, and scientists from Myanmar.

### **3. Duration, Venue and Schedule**

The duration of the programme is two weeks/ 15 days and will be scheduled as decided by the Ministry of External Affairs and with the approval of Ministry of External Affairs. The program shall be conducted offline at National Institute of Agricultural Extension Management, Hyderabad.

### **4. Participants**

1. Officers and technologists,
2. Entrepreneurs in Food Processing Industries
3. Progressive farmers
4. Opinion makers in Food and Beverage Sector
5. Academicians and Researchers

## 6. Representatives from Governmental and Non-Governmental Bodies

### 5. Tentative Programme Schedule

Day - 1
Registration
Inauguration
Icebreaking – Interactive Session
Pre-Training Test
Overview on cotton, beans, onions and sugarcane and design of training
Recent agrotechnologies in cotton
Cotton based cropping systems and their impact on farmers income
Day- 2
Sustainable cotton farming for income enhancement of farmers
Good harvesting practices for higher yield in Cotton
Safe handling and use of agrochemicals in plant protection measures in Cotton
ICT based expert system in cotton for climate resilient production
Day -3
<b>Field Visit</b>
Day - 4
Bt. cotton: agrotechnology for ensuring higher economic yield
Indian Cotton Industry : a case study
Export Potential in cotton to enhance farmers income
Marketing policies and economic interest in cotton
Day - 5
Beans production- National and International scenario
Preplanning advanced crop production technologies in beans
Crop improvement via bio-fortified beans and value addition
Collective marketing in beans for enhancing income to farmers
Day - 6
Visits to places of cultural and historical significance
Day- 7
Sunday
Day - 8
Nutritional value and marketability of beans through research and value chain
Safe handling and effective use of agrochemicals in plant protection measures
Climate smart agriculture practices for post-harvest handling and storage of beans
Export potential of beans from India & Myanmar
Day - 9
Agro-techniques of onion cultivation in tropical and sub-tropical regions of the country
Advanced technologies on abiotic and biotic stress management in onion
Integrated nutrient management in onion
Supply chain management of onion in India

<b>Day-10</b>
Field Visit
<b>Day-11</b>
Techniques of Seed production and multiplication technology in onion
Precision farming protocols to enhance factor productivity in onion
Advances in post-harvest handling and storage management in onion
Competitive assessment of onion market and export potential of onion from India & Myanmar
<b>Day-12</b>
Advanced techniques of seed cane production and multiplication
Agro-techniques and advanced production technology (Mechanization) in sugarcane cultivation in tropical and sub-tropical regions of the country:
Water management in sugarcane for economizing use of irrigation water
Physiological and bio-chemical aspects for yield improvement
<b>Day-13</b>
Integrated communication strategy for enhancing cane acreage and yield in sugarcane mill zone areas
Sugarcane development strategies in sugar mill zone areas : Post-harvest management of sugarcane
Crop diversification in sugarcane production system for maximizing system yield and profit
Biotic and abiotic stress management in sugarcane with aim of export potential
<b>Day-14</b>
BACK AT WORK PLAN
Post-Training Test
Review and Feedback of the Training Programme
Valedictory

## 6. Training Outcome

1. Understand the domestic and international market scenario for cotton, beans, onion and sugarcane.
2. Transfer and get knowledge and technologies for promoting cotton, beans, onion and sugarcane as a promising commercial crop
3. Set up strategies to adopt technologies for best use of cotton, beans, onion and sugarcane, primarily through a practical and farmer-friendly supply chain creation, value addition and marketing and boost internal revenue of the state.