



**ENTREPRENEUR DEVELOPMENT PROGRAM
FOR RIPENING CHAMBER**

TRAINING REPORT



PROGRAM BRIEF

Indravelli is in the Utnoor mandal of Adilabad district , Telangana. The aim of present programs to impart new technologies to the Tribal farmers in fruit ripening .Most of the farmers in the area is scheduled tribes cultivating mango. Surrounding villages of Utnoor with an area of 20,000 acres of Mango. Around 30,000 Mt of mango trading in this area.

Mango is the Major fruit crop of the Adilabad district.It is cultivated in 65,000 Acres with a production of 2.5 lak MT.apart from mango other fruit crops like banana,papaya,citrus ,sapota are cultivated in 5000 acres.

Most of the tribal farmers do not know the trading practices and are exploited by traders.

Fruits are artificially ripened using calcium carbide, and contaminated with chemicals.

Women farmers are most enthusiastic to start ripening units in this area.



PROGRAM REPORT-INDRAVELLI

Duration : 2 day Entrepreneur Awareness program on ripening chambers for fruits

Date : 12th& 13th August 2016 in Indravelli

Sl.no	Particulars	Remarks
1	Detailed curriculum	enclosed
2	List of speakers with brief profile	enclosed
3	List of participants	enclosed
4	List of fruit traders proposed for taking up ripening chambers participated	enclosed
	a.)Promoters Ripening chambers outside Indravelli	enclosed
	b.) Opinion of the prospective promoter's where Entrepreneur Awareness is required. Places where Entrepreneur Awareness requested in future as opined by promoters.	enclosed
5	Program benefits	enclosed
6	Feedback from Participants	enclosed
7	Photos taken during Entrepreneur Awareness program	enclosed



INDRAVELLI - DETAILED PROGRAM
DAY -1: DETAILS | DATE: 12/08/2016

From	To	Details	Topic
8.30 AM	9.00 AM	Registration & Break fast	Registration
9.00 AM	9.30 AM	Inauguration	Particulars as under

INAUGURATION - GUESTS ON DIAS

1	Shri.C.S.Rao	Member Board of Director,NHB,New Delhi	Chief guest
2	Shri.AbbuMounik	Director, Samagra Agri- Business Servicess Pvt Ltd, Hyderabad	Guest Speaker
3	B.Narendar	DPM(Agri)	Guest Speaker
4	Dr.Hussain	Associate Proffessor	Guest Speaker
5	Radhakrishna Murty Soma	Deputy Director of Horticulture (Rtd)	Guest speaker
6	Rahul	Young Professional	Guest Speaker



BRIEF PROFILE OF SPEAKERS

C.S.Rao

Board of Director, National Horticulture Board (NHB)
Msc (Horticulture), Retail Management (EPRM) (Birla Institute of Management Technology)
More than 25years experience in horticulture project preparation appraisal and Financing in State Bank of India.
Undergone Training in consultancy Development Centre, New Delhi for preparation Agribusiness projects by Asian Development Bank.

Shri.RadhaKrishna Murty

Associate (Trainings)

Deputy director of Horticulture (Retd) in the state Department of Horticulture,worked in the Tribal areas more than 20 years in the areas of utnoor,Manchiryual etc.expert in mango cultivation and value chain.

C.AbbuMounik

Director,Samagra Agribusiness Services Pvt.Ltd
B.E(ECE)

Experienced in Ripening Chambers i.e. planning and execution. Modeled with new generation vision by attending and mapping best possible methodology. He has participated in international conferences.

Procedure s of obtaining permissions for submission of Application for subsidy

Dr.Hussain

Associate (Trainings)

Experienced in teaching to the rural farmers, conducted awareness programs in Samagra.Doctorate in Agriculture.

Shri.Narender

Agricultural Officer

Mango cultivation expert

Working in Tribal areas for over 10yrs in horticulture at INDRAVELLI.

Shri.Rahul

Young proffessional

Working in ITDA for more than 1 year as a co-coordinator for farmers and Government departments.



INDRAVELLI – TOPICS-PROGRAM
DAY -1: DETAILS | DATE: 12/08/2016

FROM	TO	SESSION	TOPIC	SPEAKER
10.30 AM	11.15 AM	First session	Introduction, Natural & Artificial Ripening	Mr.C.S.Rao, Member, Board of Directors, (NHB)
11.15 AM		Tea		
11.30 AM	12.30 PM	Second Session	Different ripening techniques Potential and Pre market study Points to be considered before going for Ripening chambers	RK Murty Associate ,Samagra.
12.30 PM	1.15 PM	Third Session	Ripening chamber components Insulation, Refrigeration system Humidification, Ethylene maintenance	Dr.Hussain Associate,Samagra.
01.15 PM	02.00 PM	LUNCH BREAK		
02.00 PM	2.45 PM	Fourth session	Permission and Clearances required from Government,etc	Sri.RK Murty,Mounik
02.45 PM	03.30 PM	Fifth session	Permission and Clearances required by Bank	Mr.C.A.Mounik Director,Samagra Agribusiness
3.30PM	4.00 PM	Tea Break		
4.00 PM	5.00 PM	Sixth Session	Post Harvest Technologies and open session/Importance of ripening	Dr.Hussain



INDRAVELLI - PROGRAM
DAY -2: DETAILS | DATE: 13/08/2016

FROM	TO	SESSION	TOPIC	SPEAKER
09.00 AM	10.00 AM		Breakfast	
10.00 AM	01.00 PM	Video presentation of ripening chamber		Dr.Hussain,Mounik
01.00 PM	02.00 PM		LUNCH BREAK	
02.00 PM	03.15 PM	Third session	Operations & Maintenance of Ripening Chamber <u>Pre loading of fruits: Functions</u> <ul style="list-style-type: none">• Washing• Cleaning• Arranging in crates <u>Ethylene Maintenance:</u> <ul style="list-style-type: none">• Ethylene release• Release of carbon dioxide	Shri.RK Murty,Associate,Samagra. Shri.Mounik,Samagra.
03.15 PM	03.30 PM		Tea Break	
03.30 PM	04.45 PM	Fourth session	Project details Project preparation, Subsidy Norms & Obtaining bank loan	Shri.AbbuMounik, Director, Samagra Shri.C.S.Rao,
04.45 PM	05.15 PM		Open session	Shri. AbbuMounik, &Mr.C.S.Rao, Dr.AP Rao.
05.15 PM	05.45 PM		Validation of Enterpreneur Awareness	Sri. Murty, Samagra Agribusiness



LIST OF PARTICIPANTS

s.no	Name	ST/SC	Mobile no	Occupation
1	Munde Godavari	BC	8096683850	Mango farmer
2	HK Marubabu	ST		Mango farmer
3	HK Nisha	ST		Mango farmer
4	T.Kalabai	ST		Mango farmer
5	T.laksmi bai	ST		Mango farmer
6	Chakati Rupa	Bc		Mango farmer
7	K.Leti bai	ST		Mango farmer
8	K.Muti Bai	ST		Mango farmer
9	M.Laksmi bai	ST		Mango farmer
10	A.Vijaya Lakshmi	ST		Mango farmer
11	M.Sittu bai	ST		Mango farmer
12	S.Takku bai	ST	7674058012	Mango farmer
13	P.Yasodara	ST	9490006164	Mango farmer
14	K.Vandana	ST	9494150054	Mango farmer
15	G.Gangabai	ST		Mango farmer
16	B.Sesakala	ST		Mango farmer
17	L.Minabai	ST		Mango farmer
18	K.Yetkubai	ST		Mango farmer
19	K.Satyabama	ST		Mango farmer
20	M.Laksmibai	ST		Mango farmer
21	K.Yamunabai	ST	7036871305	Mango farmer
22	K.Radha	ST	799756903	Mango farmer
23	A.Vijaya	ST	8106390800	Sarpanch
24	A.Yamunabai	ST		Mango farmer
25	A.Kiran	ST	9959860515	Mango farmer
26	K.Sonabai	ST		Mango farmer
27	M.Rambai	ST		Mango farmer
28	B.Devubai	ST	9440708602	Mango farmer
29	M.Manjula bai	ST	9440708602	Mango farmer
30	M.Yetmabai	ST		Mango farmer
31	K.Badubai	ST		Mango farmer
32	P.gangadevi	ST	9704817830	Mango farmer
33	R.Radhabai	ST	9490036925	Mango farmer
34	P.Papabai	ST		Mango farmer
35	M.barathi	ST		Mango farmer
36	V.Sangeeta	ST		Mango farmer
37	T.Jaitubai	ST		Mango farmer
38	T.Chandrabai	ST		Mango farmer
39	G.Sakuntalabai	ST		Mango farmer
40	P.Yetmabai	ST		Mango farmer
41	A.Ayambai	ST		Mango farmer
42	K.annapurna	ST		Mango farmer
43	A.gamabai	ST		Mango farmer



44.	R.Cheelibai	ST	Mango farmer
45.	R.Amlabai	ST	Mango farmer
46.	K.Varsha	ST	Mango farmer
47.	V.Anita	ST	Mango farmer
48.	.V.Radha	ST	Mango farmer
49.	P.Anasuya	ST	Mango farmer
50.	K.Jyostna	ST	Mango farmer
51.	A.Beembai	ST	Mango farmer
52.	P.Neelabai	ST	Mango farmer
53.	A.Kotmabai	ST	Mango farmer
54.	Kotumbai	ST	Mango farmer
55.	S.Radha	ST	Mango farmer

VIDEO PRESENTATION OF RIPENING CHAMBERS

As the tribal area is in remote area adjacent to Chhattisgarh, farmers just learning modern agricultural practices, as such there is no ripening unit. We have shown the video of the ripening unit, tribal women groups are coming forward for establishing ripening unit.

When we have enquired about the production of Mango fruit they opined that area under Mango is plenty and marketing posing lot of difficulty. Progressive farmers requested for marketing arrangements.

Most of the farmers are leaving the mango trees to nature's nourishment and do not apply any chemical fertilizers. Larger extents of the soils are rich in organic matter and mango orchards are with luxurious canopy of mango trees.



Program Planning:

After receiving the approvals for conducting Entrepreneur Awareness from National Centre for Cold Chain Development (NCCD), we have contacted Project Director ,Integrated Tribal Development Agency (ITDA) ,Department of ITDA personnel, Agricultural Research stations, Bank offices, fruit Traders, Horticulture Department ,the response is overwhelming.

We contacted DPRO of the district requesting wide publicity so that more number of people will participate. A news item about the program has come in the local newspapers.

Local response from unemployed youth was more for attending the program. Fruit traders, Prospective promoters, Government officers well attended Entrepreneur Awareness Program.



PROGRAM SCOPE IN ACHIEVING THE OBJECT

The object of conducting the awareness program is to give propaganda to natural ripening of mango with ethylene in ripening chambers, and also to discourage the use of carbide in ripening process. To develop necessary skills that is suitable in making the ripening unit a successful venture.

As this is the first program of its kind, unemployed learned skills suitable for running ripening chambers. Prospective promoters promised to utilize the services of the trained persons in due course of time.

These Entrepreneur Awareness programs are planned on written demand of farmers and promoters, who also assured employment opportunity to the unemployed. The prospective employers ie: Prospective traders allowed practical Entrepreneur Awareness program in their facility and actively participated with the trainees, and clear the doubts of trainees during the practical session.

It's a dawn of new beginning the present generation is beginning to understand the importance and benefits of the industry. We hope to see an upcoming change in due course of time.



FEEDBACK FROM PROMOTERS

Local fruit aggregators, Promoters, expressed the necessity for such program by which sustainable livelihood can be created to the youth. This program helps in creating awareness about the ill effects of carbide use besides raising the issue of safe and scientific ripening chambers for fruits.

Youth who undergo this Entrepreneur Awareness program would be able to handle the ripening chambers in scientific and systematic way. Moreover they themselves can successfully become potential entrepreneurs by taking up ripening chambers as agriculture allied activity. Thereby they are able to create employment and also become job providers rather than job seekers.

This program would help representatives of the ripening chambers to know the scientific and systemic approach to handle their existing units. There by able to cut down the lapses in handling and save the quality of the fruit and gain economical benefits.

The unskilled workers from the ripening chambers would be the best benefitted as they able to understand the scientific principle behind every operation they use to perform earlier. Even a small skill they learnt during the program would help them to handle the existing unit with more science and precision. This in long run would help the unit to gain efficiency and quality output for sustainable economical benefits which would trigger entrepreneurial activity in this direction which has direct bearing on employment generation.



FEEDBACK FROM TRIBAL AGENCY

Project Director, ITDA, suggested the entrepreneurs to come forward to take up ripening infrastructure for which he is ready to allot space. He also stated that ripening chamber technology is first of its kind in Indravelli, they haven't got such sort of proposal till today, if any ripening chamber proposal with proper paper work is submitted to bank will be encouraged and getting sanction of loan from the Bank.

Sri.Karanan, requested for conduct of more number of such Entrepreneur Awareness Programs in view of demand, and requested to take up ripening chambers as many as possible in the coming mango season. He also said that many farmers are intending to go for Ripening Chamber construction.



FEEDBACK FROM PARTICIPANTS

The participants are very happy for the skill development and the initiative taken by the NCCD to educate and train those regarding ripening, Government help to public regarding ripening chambers which is not known to most of the public.

They suggested that more such Entrepreneur Awareness programs should be conducted in tribal areas which will enable people to know about natural ripening and help them to do natural ripening using ripening chambers with the government help.

The participants expressed that government should implement the ban on carbide usage in ripening of fruits.

They opined that government organizations Self Help groups (SHG's), Consumer protection Associations should be involved in conducting campaigns in educating the general public about harmful effects of carbide and advantages of ethylene ripening. Many activists attended the program and expressed that a protest against carbide ripening should be made at INDRAVELLI for which they need support from the government.

An approach must also be initiated for awareness, for a basic start by printing of pamphlets and posters in market areas for bringing awareness. The Entrepreneur Awareness program is practical hands on experience and very helpful in understanding the operations of ripening chamber and how the Government is actively available to support the cause.



FEEDBACK FROM SPEAKERS

- ✓ The speakers opined that the general public should be educated that ethylene ripening is similar to natural ripening and hence the point may be highlighted.
- ✓ To encourage purchasing ethylene treated fruits incentive for ethylene treated fruit may be sanctioned by government NHB/NHM to the penultimate consumer.
- ✓ The speakers are very happy for the different category of public present which is covering all segments of people such as.
 - Unemployed youth.
 - Traders.
 - Farmers.
 - Entrepreneurs.



PHOTOS TAKEN DURING PROGRAMME
INDRAVELLI

Entrepreneur Awareness sessions in progress-Indravelli

All participants are schedule tribe women



Sri.Murthy,retired Deputy Director (Horticulture) explaining the benefits of ethylene Ripening



Sarpanch of Indravelli interacting with the participants



Social worker explaining the importance of aggregation of fruits for better price realisation



Sri.Narendra, DPM, Agriculture explaining the benefits of ethylene Ripening



