

Training module on “Millet Processing Enterprise”
No of Days: 5 (3 days Class room Training and 2 days Field Visit)
Type of Participants: Local level entrepreneurs

Introduction

Special Programme for the Promotion of Millets in the Tribal Areas of Odisha was launched by the government of Odisha to revive the Millets through enhancing Production, Promotion of Consumption and supporting for Marketing of the produces. One of the major reasons for the millet declining is the unavailability of processing machine in the local level. Hence one of the components of the Programme is to make available processing machines and support in marketing of the produces and value added products.

This training Programme will mainly focus on the installation of processing units and promote local Millets enterprises.

Objectives:

By the end of the 5 days training Programme the participants would be able to:

- Understand the broader aims and objectives of the Millets Programme
- Learn the types of millets grown and consumed locally
- Understand the challenges and various issues relating to the Decline of Millets over the years.
- Learn various management practices of harvesting, storage, processing and labeling.
- Understand types of Machineries used to process the Millets and learn its functions
- Gain basic knowledge on Repair and Maintenance of the Machineries.
- Learn basic Business Development Plan and Marketing.

About the Participants: The participants are basically from the local level entrepreneur who are already into some business of running a processing units for other grains or interested entrepreneur. All of them require different set of inputs, cross learning of each other's expectations and needs are very important to make it a successful and viable enterprise

Training Schedule

5 days Training Programme on “Millet Processing Enterprise”

From : _____ To _____,

Type of Participants : **Local Entrepreneurs**

Sl. No	Name of the session	Duration	Time	Facilitator
Day-1	Introduction to Millet Programme and Processing Unit,			
	Session 1			
	Registration, Introduction, Objectives of the Training Programme, Explaining Broader Objective of the Millets Programme.	60 Min	10.00– 11.00	
	Tea Break	15 Min	11.00– 11.15	
	Session 2			
2	Introduction of Millets and Challenges of small Millets Processing Units	60 Min	11.15 – 12.45	
3	Assessing the raw Material quality and Storage system	45 Min	12.45 – 1.30	
	Lunch Break	45 Min	1.30 – 2.15	
	Session 3			
4	Introduction to various Processing Units used for small Millets.	120 Min	2.15 – 4.15	

	Tea Break	15 Min	4.15 – 4.30	
	Session 4			
5	Introduction to various Processing Units used for small Millets. (Continues)	60 Min	4.30 – 5.30	
6	Film shows on both small Scale Processing Units and Industrial scale processing unit	60 Min	5:30 – 6:30	
Day-2	Process Flow, Workshop design, Quality control, Machine maintenance, packaging, record maintenance			
	Recap of the first day session	30 Min	9.00 – 9.30	
	Session 1			
	Process Flow, Workshop design, design, safety gear required	120 Min	9.30 – 11.30	
	Tea Break	15 Min	11.30 – 11.45	
	Session 2			
	Quality issues during processing	75 Min	11:45 – 1:00	
	Lunch Break	60 Min	1:00 – 2:00	
	Session 3			
	Repairs and maintenance	60 Min	2:00 – 3.00	
	Importance of storage, packing, and labelling and labelling	60 Min	3.00 – 4.00	
	Tea break	15 Min	4.00 – 4.15	
	Session 4			
	Video show on Storage, Package and Labelling	60 Min	4:15 – 5:15	
	Data Management, Records Maintenance	60 Min	5:15 – 6:15	
Day-3	Business Plan Development, Basic Accounting, Value addition , Promotion and			

Marketing				
	Recap of the Second Sessions	30 Min	9.00 – 9.30	
	Session 1			
	Basics on preparing a Business Plan-1	60 Min	9.30 – 10.35	
	Basics on preparing a Business Plan-2	60 Min	10.30 – 11.30	
	Tea Break	15 Min	11.30 – 11.45	
	Basics on preparing a Business Plan-3	45 Min	11.45 – 12:30	
	Session 2			
	Importance of Planning: Resource and Capacity-1	60 Min	12:30 – 1:30	
	Lunch Break	45 Min	1.30 – 2.30	
	Session 3			
	Importance of Planning: Resource and Capacity-2	60 Min	2.30 – 3.30	
	Importance of Value addition and its potentials	60 Min	3.30 – 4.30	
	Tea break	15 Min	4.30 – 4.45	
	Introduction to basic Marketing and Promotion of the products- 1	60 Min	4.45 – 5.45	
	Introduction to basic Marketing and Promotion of the products- 1	75 Min	5.45 – 7.00	
Day 4	Field Visits			
	Field visit to Processing Units, Micro Enterprises and Value addition units.	10 hours	8.30 – 6.30	
Day 5	Guest Lectures, Experience Sharing, Feedback Session, Sample BPD session			
	Key Observation sharing by the Participants during the Field Visits.	30 Min	9.00 – 9.30	
	Session 1			

	Guest Lecture 1	60 Min	9.30 – 10.30	
	Guest Lecture 2	60 Min	10.30 – 11.30	
	Tea Break	15 Min	11.30 – 11.45	
	Guest Lecture 3	60 Min	11.45 – 1.00	
	Lunch Break	60 Min	1.00 – 2.00	
	Session 2			
	Sample Business Plan Development-1	60 Min	2.00 – 3.00	
	Sample Business Plan Development-2	60 Min	3.00 – 4.00	
	Tea Break	15 Min	4.00 – 4.15	
	Session 3			
	Feedback Session on the Training Programme	95 Min	4.15 – 6.00	
End of Five Days Training				

Day-1	Introduction to Millet Programme and Processing Unit,
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Session # 1: Registration, Introduction, Objectives of the Training Programme, Explaining Broader Objective of the Millets Programme.

Name of the Session: Registration, Introduction and objectives of the training Programme and the Millet Programme

Objectives: By the end of this session, the participants will;

- Know each other and build a rapport everyone
- Understand the purpose of the training Programme
- Understand the broad objective of the Millet Programme

Duration: 60 Minutes (20 minutes: introductions, 20 minutes: purpose of the training Programme, 20 minutes: objectives of the Millet Programme)

Tools and Equipment: Chart paper, White board etc.

Method:

- 1) For Introduction the facilitator can use any game to make it alive and interesting.
- 2) Very briefly explain the main purpose of the training Programme and how could this be beneficial to the participants.
- 3) **Objective of the Programme:** following are the broad aims and objectives of the Programme. The facilitator has explain them in simple language so that the participant understand them clearly.
 - Increasing household consumption of millets by about 25% to enhance household nutrition security and to create demand for millets with focus on women and children.

- Promoting millet processing enterprises at panchayat and Block level to ease processing at households and for value added markets
- Improving productivity of millets crop systems and make them profitable with focus on women farmers.
- Developing millet enterprises and establishing market linkages to rural/urban markets with focus on women entrepreneurs.
- Inclusion of millets in State nutrition programs and public distribution system

4) Finally introduce the schedule to the participants

Tips: It is better to have a chart of training objectives. Put this chart on the wall. This information should motivate the participants to understand the greatness and importance of the work that they are going to do in service motto.

Session # 2: Introduction of Millets and Challenges of small Millets Processing Units. Assessing the raw Material quality and Storage system

Name of the Session: Introduction of Millets and Challenges of small Millets Processing Units.

In this session the participants will be introduced to different types of millets, traditional methods of processing and challenges in the small millets processing, process and parameter to assess the quality of the raw material, management practice involved in storing the raw material.

Objectives: By the end of this session, the participants will;

- Know the reason of the decline of Millets, especially in the major millet grown areas.
- Know the types of millet grown in the country
- Know various traditional methods of processing
- Know the challenges of the small millet processing unit.
- Know storage technique and quality check of the raw materials.

Duration: 105 Minutes (60 minutes: Introduction of Millets and Challenges of small Millets Processing Units, 45 minutes: Assessing the raw Material quality and Storage system)

Tools and Equipment: Chart paper, White board etc. however, projector could be best tool.

Method:

- The facilitator should ask the participants if they know any types of millet in their areas, and list them on the white board. And then start detailing down the different type of millet.
- The facilitator must ensure that the session should be interactive throughout.

SUBJECT TO BE COVERED

- The reason for decline
- Types of millets grown
- Processing unit: traditional and modern
- Traditional millets recipe
- Modern millets recipe
- Challenges in small processing units.
- Quality check and storage of Raw materials.

Session # 3: Introduction to various Processing Units used for small Millets.

Name of the Session: Millet Processing Units: types of Machines.

In this session the participants will be introduced to different types of millets processing unit that are used for small millets, these includes; Grader, De-stoner, and De-huller.

Objectives: By the end of this session, the participants will;

- Know different type of millet processing unit, both modern and traditional

- Know the principles of the machines, operation, and limitations of the existing machine.

Duration: 120 Minutes (60 minutes: Introduction to Millets processing machine, 60 minutes: Machine used for different types of Millets)

Tools and Equipment: Chart paper, White board etc. however, projector could be best tool.

Method:

- The facilitator should start the subject with the locally available processing equipment. Should ask the participant if they know any traditional processing unit. Then talk about its advantages and disadvantages.
- Then the facilitator should start the topic on the modern processing unit.
- The facilitator should use booklets of different types of machine used for the small millet processing in case there is no facility for the Projector and if possible distribute the machine catalogue among the participants so that they are able to visually connect the subject taught in the class.
- The facilitator should be ready with all the material before the session starts.

SUBJECT TO BE COVERED

- Overview of the Millet processing
 - Primary and secondary processing
- Importance of processing intervention
- Processing of millet grain
 - De-stoning and grading of millet grain
 - Specification of the Machine
 - Advantages of the Machine
 - Cost of the machine
 - De-hulling or pearling of millets
 - Sorghum and Pearl millet de-huller.
 - Small millet de-huller
 - Specification of the Machine
 - Advantages of the Machine
 - Cost of the machine

Session # 4: Introduction to various Processing Units used for small Millets. Film shows on both small Scale Processing Units and Industrial scale.

Name of the Session: Millet Processing Units: types of Machines.

This session is the continuation of the last session. In this session the participants will be introduced to different types of millets processing unit that are used for small millets, these includes; Millet miller and Value added unit; such as Flaking machine, Roti making machine, Biscuit making machine, etc..

Objectives: By the end of this session, the participants will;

- Know different type of millet processing unit, Value addition Machines.
- Know the principles of the machines, operation, and limitations of the existing machine.

Duration: 120 Minutes (60 minutes: Introduction to Millets value addition machine, 60 minutes: Film showing of the different kind of processing and value addition machine)

Tools and Equipment: Chart paper, White board etc. however, projector could be best tool.

Method:

- The facilitator should start the subject with the locally available processing equipment. Should ask the participant if they know any traditional processing unit. Then talk about its advantages and disadvantages.
- Then the facilitator should start the topic on the modern processing unit.
- The facilitator should use booklets of different types of machine used for the small millet processing in case there is no facility for the Projector and if possible distribute the machine catalogue among the participants so that they are able to visually connect the subject taught in the class.
- The facilitator should be ready with all the material before the session starts.

SUBJECT TO BE COVERED

- Milling of Millets
 - Equipment used for milling millets
 - Flour Mill
 - Bar-bender
- Sorghum Miller
 - Equipment for Roti making
 - Flaking Machine
 - Roster
 - Edge runner
- Biscuit making Machine
 - Planetary mixture
 - Biscuit cutting machine
 - Rotary Oven
- Millet extruder
 - Cold extruder
 - Hot extruder

Then the facilitator should show films/videos on the above topics so that the participants could relate to their learning visually.

Day-2	Process Flow, Workshop design, Quality control, Machine maintenance, packaging, record maintenance.
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Session # 4: Process Flow, Workshop design, design, safety gear required