

AFPRO- brief Note

SUB PROJECT TITLE

**Project on controlling the vulnerability of farming community by enhancing livelihood options through natural resource management in the District Yavatmal of Maharashtra**

**Focus area of CAIM : Agriculture Development and its Market Linkages**

**Project Duration : Three Years**

**Project Location**

- **District- Yavatmal**
- **Block/Taluka- Yavatmal**
- **No of Villages - 10**

**The cluster of 10 villages can be further categorized into following three sub clusters based on its locations and accessibility**

**Sub Cluster I : Manpur, Mal Masola, Bechkheda , Hivri and**

**Sub Cluster II : Pimpri Buti, Hatgaon, and Varzadi**

**Sub Cluster III : Jawala, Ijara, Ghatana, Nakapardi**

**Key Characteristic of Selected Villages**

- **54% families are under BPL Category**
- **53% of Population are belonging to SC & ST category.**
- **The proportion of Marginal and small farmers in the cluster is 27%**
- **41% house holds are landless.**
- **Total 118 women SHGs are operating in the cluster.**

**Specific Objectives of the Sub Project :**

- ❖ **Creating and strengthening village level institutions for improving economic conditions of targeted families**
- ❖ **To ensure employment opportunities and economic avenues particularly for women SHGs**
- ❖ **Increasing the Net Returns of farmers by Promotion of Better management / Organic practices for cultivation of crops**
- ❖ **Regeneration, conservation and proper utilization of natural resources in the area for improved livelihood of the farming community**
- ❖ **Setting up of small & medium entrepreneurs for bringing value addition in the present farming system**

**Project: - Salient features**

- **1. No. of villages= 10**
- **2. No. of Gram Panchayat = 10**
- **3. No. of VDC = 10**
- **4. No. of Beneficiary HH = 2045**
- **5. No. of SHG = 156**
- **6. No. of JLG = 40**

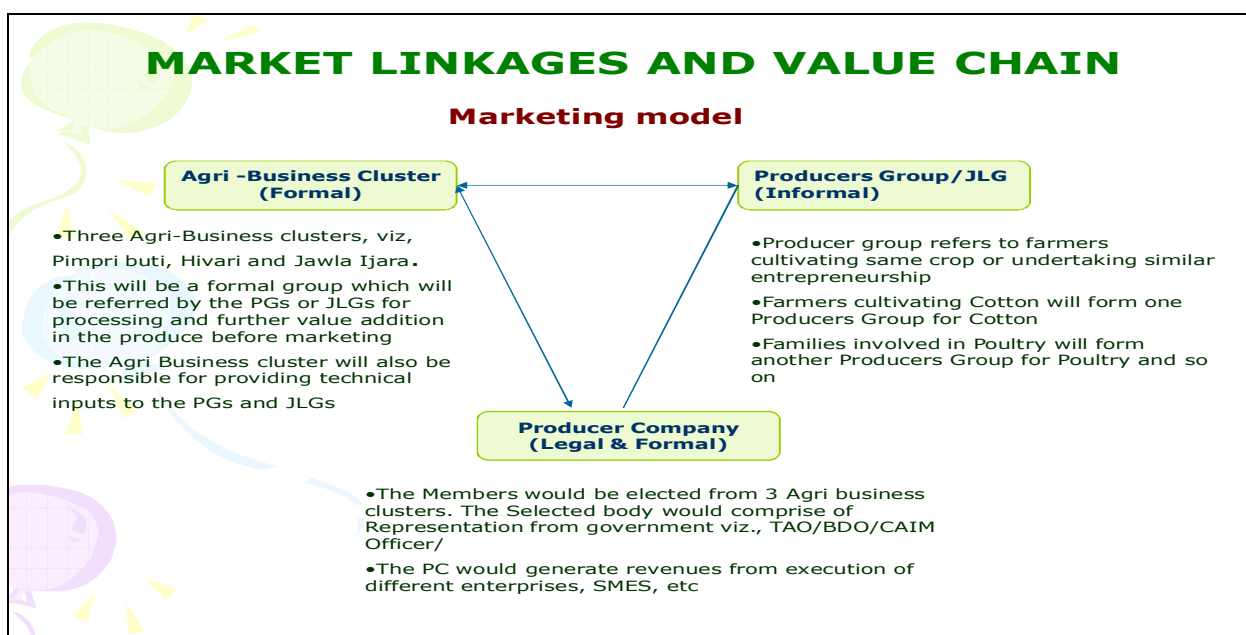
**Major Interventions Planned and Expected Outputs**

Interventions	Expected Outputs
<b>Component 1. A.: Partnership building &amp; Capacity Development</b>	
1. Formation of Village Development Committees (VDC)	<ul style="list-style-type: none"> <li>VDC formed in 10 project villages as per guidelines and functioning effectively.</li> </ul>
2. Formation and strengthening of SHGs	<ul style="list-style-type: none"> <li>156 SHGs are formed and are functional</li> <li>Minimum 50% women are members of SHG.</li> <li>Formed minimum two new SHGs per village</li> <li>Minimum 156 women SHGs are functioning effectively for their socio-economic development.</li> <li>50% SHGs involved in Entrepreneurship activities to support their livelihood</li> </ul>
3. Promotion of Joint Liability Group	<ul style="list-style-type: none"> <li>Minimum 40 JLGs formed in 10 project villages.</li> <li>The JLGs are repaying their loans timely.</li> <li>The Bank Linkages are Established</li> </ul>
4. Formation & strengthening of Producer Company:	<ul style="list-style-type: none"> <li>Formed Farmer's Association at sub-cluster level and further promoted to form the Producer Company.</li> <li>Linkages developed with Private players for marketing of the Agri produce. Three Players are identified.</li> <li>Market Linkages have established with Private Players for procurement of produce</li> <li>Dayal Cotspin Limited, Kalamb.</li> <li>Saguna Poultry Farm Limited, Soyabean Division , Hinganghat,, District Wardha</li> <li>Linkages Establish with Eco-farms India Limited, Yavatmal for promotion of Organic farming will facilitate</li> </ul>
<b>Component 1. B.: SHG &amp; CMRCs Development</b>	
1. Counseling 1500 Distress households	Counseling of <b>1500 Distress Households (HH)</b> carried out for better situational analysis and confidence building as well as indentifying critical needs of the families to bring them out of the Distress conditions.
2. Support To Ultra Poor	40 ultra poor families from the 10-villages be supported with the financial assistance in kind.
<b>Component 2A: Market Linkages &amp; Value Chain (PMVC)</b>	
1. Partnership Negotiations	<ul style="list-style-type: none"> <li>Meetings , Discussions , Visits of representatives of Producer Groups , VDCs, ABCs and PC with Different Private players for exploring the possibilities of Group Marketing's and establishing Linkages.</li> </ul>
2. Formation of Agri-Business clusters	<ul style="list-style-type: none"> <li>Three Agri-Business clusters, viz, Pimpri buti, Hivari and Jawla Ijara. are established and are dealing with multiple agro based commodities.</li> <li>This will be a formal group which will be referred by the PGs or JLGs for processing and further value addition in the produce before marketing</li> <li>The Agri Business cluster will be providing technical inputs to the PGs and JLGs</li> </ul>

<p><b>3. Promotion of Organic Farming practices in Cotton (50ha)</b></p>	<ul style="list-style-type: none"> <li>• The Organic farming practices are promoted in cotton in 50 ha area in the cluster of 10 villages .</li> <li>• Farmers are oriented and using Organic Farming Practices in cotton crop.</li> <li>• The per ha cost of production is reduced. The net returns to farmers are increased.</li> <li>• The farmers are sold the cotton to Dayal cot spin / Sagar Fibers Limited at the appropriate market price with advantage of group marketing.</li> <li>• Farmers Process their seed cotton to Bales.and staore in warehouse. Took advantage of Pledge Loan scheme at Low interest rate.</li> </ul>
<p>4. Promotion of Organic Farming Practices in Cereals (100 ha)</p>	<ul style="list-style-type: none"> <li>• The Organic farming practices is promoted in 100 ha area in the cluster of 10 villages in cotton.</li> <li>• Farmers are oriented and using organic Farming Practices in cotton crop.</li> <li>• The per ha cost of production is reduced. The net returns to farmers are increased.</li> <li>• The farmers are sold the cereals to Eco-farmers / Market at the appropriate market price with advantage of group marketing.</li> </ul>
<p>5.Promotion of Organic Farming Practices in Pulses (50 ha)</p>	<ul style="list-style-type: none"> <li>• The Organic farming practices are promoted in cotton in 50 ha area in the cluster of 10 villages .</li> <li>• Farmers are oriented and using Organic Farming Practices in cotton crop.</li> <li>• The per ha cost of production is reduced. The net returns to farmers are increased.</li> <li>• The farmers are sold the pulses to Eco-farmers//ITC./ Dayal Group of Industries/ Market at the appropriate market price with advantage of group marketing.</li> <li>• The Farmers would take the advantage of Grading &amp; processing Units &amp; storage</li> </ul>
<p>6.Promotion of LEISA Technology in Oilseeds Crops viz. Soyabean ( 700 ha) Followed by Post harvest Processing, Grading , Starage and establishing Market Linkages for better prices</p>	<ul style="list-style-type: none"> <li>• The LEISA practices are promoted in 700 ha area in the cluster of 10 villages in cotton.</li> <li>• Farmers are oriented and using LEISA Practices in oilseed crop.</li> <li>• The per ha cost of production is reduced. The net returns to farmers are increased.</li> <li>• The farmers are sold the cereals to Eco-farmers / Market at the appropriate market price with advantage of group marketing.</li> <li>• The farmers sold their Oilseeds crop to Saguna Poultry Farms limited, Hinganghat/ ITC, Yavatmal,/ to Dayal Cot spin Limited at the appropriate market price with advantage of group marketing and Grading&amp; storage.</li> </ul>
<p><b>• The SMEs would be created under the PPP model. The SMEs would be finally Property of PC/ VDC. They would be given to SHGs/ Youth groups for Enterprises</b></p>	

a) Involvement of SHG in Tendu Patta collection and Marketing	<ul style="list-style-type: none"> <li>Involved women SHG in value chain of tendu Patta business.</li> <li>Increased Income Level of Women SHGs.</li> </ul>
b) Mini Dal Mill	<ul style="list-style-type: none"> <li>3 Mini Dal Mill installed in the three Sub- cluster villages.</li> <li>Farmers are able to process the pulses at village level and get good price for processed Dals through group marketing.</li> </ul>
c) Gravity separator	<ul style="list-style-type: none"> <li>2 Gravity separators available in the cluster</li> <li>Farmers are getting better market price</li> </ul>
d) Mechanical spiral separator	<ul style="list-style-type: none"> <li>Mechanical spiral separator Introduced in each village.</li> <li>Villagers are able to take the advantage of primary level process unit.</li> <li>Farmers fetching good price for graded Agriculture produce.</li> </ul>
e) Ware house	<ul style="list-style-type: none"> <li>Constructed 2 Ware houses of 100 MT capacities in 2 villages.</li> <li>Farmers using the warehouses for Storing their farm produce at Nominal prices and fetching good market price.</li> </ul>
f) Agriculture Implement Bank	<ul style="list-style-type: none"> <li>Agriculture Implement Bank installed in 3 Sub Clusters Villagers.</li> <li>Marginal &amp; Small Farmers are getting the Equipments and Machineries on subsidized rates.</li> <li>The Labour problem during intensive agriculture is minimized.</li> </ul>
7. Vocational training for youths	<ul style="list-style-type: none"> <li>Self employment started by 30 youths in Tailoring, Motor winding, Electrician, Mobile repairing etc.</li> </ul>
8. Pilot Organic sweet corn	<ul style="list-style-type: none"> <li>Sweet corn cultivation on pilot basis started on minimum 10 Ha of land</li> </ul>
<b>Component 2B : Sustainable Agriculture</b>	
Village Planning for SWC	<ul style="list-style-type: none"> <li>Participatory action plan prepared for In-situ soil &amp; moisture conservation &amp; water harvesting structures.</li> </ul>
Appointment of watershed volunteers	<ul style="list-style-type: none"> <li>Total 10 watershed volunteers working effectively in the project area. Volunteers Identified with from the same village.</li> </ul>
Construction of CCT with plantation, GPs & LBS.	<ul style="list-style-type: none"> <li>Constructed CCT on 415 Ha area</li> <li>Constructed 370 GPs &amp; 75 LBS</li> </ul>
Construction of Farm bunding	<ul style="list-style-type: none"> <li>Farm bunding done on 1430 Ha arable land.</li> </ul>
Construction of water harvesting structures like Earthen Nala bund, Cement Check dam, Farm ponds	<ul style="list-style-type: none"> <li>Constructed minimum five structures per villages for effective water harvesting purposes.</li> </ul>
Supply of pump sets	<ul style="list-style-type: none"> <li>Supplied 3 pump sets per village to the needy &amp; marginal farmers</li> </ul>
Creation of Master Trainers	<ul style="list-style-type: none"> <li>Trained One Master Trainer to provide input to farmers on improved agriculture practices.</li> </ul>

Farmers training & orientation	<ul style="list-style-type: none"> <li>• Conducted thirty training programs at village level for the farmers</li> <li>• Increased percentage of farmers to adopt organic farming</li> </ul>
Organic Farming Demonstrations	<ul style="list-style-type: none"> <li>• Demonstrated organic farming practices on 30 plots belonging to project villages.</li> <li>• Increased percentage of farmers to adopt organic farming</li> </ul>
Zero tillage Demonstration	<ul style="list-style-type: none"> <li>• Farmers aware about zero tillage technology &amp; started to adopt it</li> </ul>
<b>Component 2C: Micro Enterprises</b>	
Farmers producer training	<ul style="list-style-type: none"> <li>• Conducted training to 100 farmers for selected Agri business &amp; marketing enterprises</li> </ul>
Agri based enterprises - Orange, Avala and drum stick	<ul style="list-style-type: none"> <li>• Started production and micro enterprises of Orange, Avala and drum stick</li> </ul>
Promotion of organic Composting pits	<ul style="list-style-type: none"> <li>• Vermi-Composting, NADEP and Biodynamic composting Units established</li> <li>• Farmers Educated on low cost effective Composting methods so that they could prepare and use the required Organic manures and composts.</li> </ul>
Development of Small Household level Poultry	<ul style="list-style-type: none"> <li>• Established house hold level 300 poultry units for women members.</li> <li>• Enhanced livelihood of the rural women.</li> <li>• Availability of nutritious food at local level.</li> </ul>



### **PROJECTS BENEFITS / IMPACTS:**

- Area under second crop cultivation increased from 350 ha to 1100 ha.
- 20% farmers started using Godowns for storage of agriculture commodities and majority of farmers started grading, processing and packaging of agriculture produces for getting better market prices.
- Three Agribusiness Clusters are formed and linked with Producer Company.
- The Producers Company is formed and functioning effectively for withdrawing maximum benefits from Agriculture Commodity.
- Linkages developed with private players for marketing of produce at better rate.
- Minimum 156 Women SHGs are functioning effectively for their socio-economic development.
- 50% SHGs involved in Entrepreneurship activities to support their livelihood
- Land and water resource status of the area has improved and resulted into improved Agriculture productivity.
- Availability of nutritious food at local level and increased income due to promotion of livelihood activities like Poultry, Goat rearing , Tendu patta Marketing etc .
- The Average Cost Benefit ratio of farmer's income would increase from 1: 1.47 to minimum 1: 2.00
- Trained master trainers to provide knowledge about improved agriculture / organic agriculture practices.
- Farmers have started to cultivate sweet corn in the area.
- Agriculture Implement Bank installed in 3 Sub Clusters Villages.
- Marginal & Small Farmers are getting the Equipments and Machineries on subsidized rates.
- The Labour problem during intensive agriculture is minimized.

### **Environmental**

- 21 % of Total Geographical Area treated with soil and water conservation measures.
- Area under seasonal irrigation increased from existing 4% to 12%.
- 50 % farmers adopted Better Management Practices, Integrated Crop management and organic farming practices in the area.
- Minimum 100 Ha of land under organic cotton cultivation, 100 under organic cereals, 100 Ha under organic pulses started in the project area
- Around 500 ha forest area has been regenerated
- Soil health improvement due to adoption of nutrient management practices.