

DHARAMITRA, WARDHA

A brief note on the activities to be undertaken under CAIM-subproject

1. **Title of the project:** *Enhancement of livelihood opportunities through development of bio-diversified agro-ecosystems and allied activities*
2. **Duration of the project:** 3 years
3. **Operational area:** 21 villages located in Arvi block of Wardha district
4. **Details about the target group and CBOs:**
 - i. No. of villages.....21
 - ii. No. of *Gram Panchayats*.....11
 - iii. No. of VDCs to be functional.....11
 - iv. No. of households to be covered.....1983
 - v. No. of farmers to be covered.....1296
 - vi. No. of landless families to be covered.....687
 - vii. No. of women headed families to be covered.139
 - viii. No. of ultra-poor families to be covered.....70
 - ix. No. of SHGs to be made active.....75
 - x. No. of JLGs to be formed and made functional.....40
5. **Information about land:**
 - i. Total land held by faming beneficiaries.....2201 ha
 - ii. Area under dry land (83%).....1842 ha
 - iii. Area under irrigation (17%)366 ha
 - iv. Average land holding.....1.1 ha
6. **Types of interventions suggested for farmers under conversion programme:**
 - 6.1 **In situ soil and water conservation:**
 - i. *In Situ* Water Conservation.....565 ha
 - ii. Water harvesting Structures.....75 No
 - iii. Pump-set Devices (Sprinklers).....30 No
 - iv. Community wells..... 20 No
 - v. Farm ponds.....75 No
 - v. Well rechargeable structures.....100 No
 - vi. Soil samples to be analysed.....200 No
 - 6.2 **Agricultural interventions:**
 - i. Introduction of low cost and diversified agro-ecosystems...1283
 - i. Organic Cotton97 ha
 - ii. Organic cereals.....200 ha
 - iii. Pulses.....184 ha
 - iv. Oil seeds.....10 ha
 - v. Fruits.....20 ha
 - vi. Vegetables.....27.2 ha
 - vii Floriculture.....9.8 ha
 - viii Sericulture.....5.2 ha
 - ix. Aromatic & Medicinal plants.....22.2 ha
 - x. Spices.....21.4 ha
 - xi. Others (Kitchen gardens).....328 No
 - 6.3 **Livestock enterprises:**
 - i. Calf rearing337 No
 - ii. Milch cows.....325 No
 - iii. Poultry units.....241 No
 - iv. Fodder nursery1No.

- v. Cattle feed stock development centre.....1No
vi. Distribution of fodder seed/slips (farmers).....500 No
vii .Artificial insemination unit.....1No

6.4 Micro-enterprises/ SMEs:

- i. Pigeon pea based..... 02 No
ii. Cotton based..... 02 No
iii. Milk based..... 01 No
iv. Floriculture based..... 20 No

6.5 Off farm based income generating activities for SHGs and JLGs

S. No.	Name of Activity	No. of SHGs/JLGs engaged	Capital cost /unit/SHG	Running cost/unit	Names of Villages
1	Processing of grains	1 SHG	75000	75000	Virul
2	Paneer production	2 JLGs	80000	50000	Bothali, Saldharas
3	Calf rearing	4 SHGs	50000	1000	Pachod, Panjara, Pimpaldhari, Kakardara, Kinhala
4	Nursery of tree saplings	1 SHG	25000	10000	Kakardara
5	Spinning	1 SHG	120000 (10-Charakhas)	1000	Kinhala
6	Farming on receded land around village lakes	4 SHGs	-	15000	Panajara, Pimpaldhari, Saldara, Bothali
7	Fish rearing	5 JLGs	20000	5000	Panajara, Pimpladhari, Saldara, Bothali
8	Production of fuel briquettes	3 JLG			Rampur, Kinhala
9	Broom and basket making	5 JLGs	2000	1000	Virul, Wai
10	Decorative articles (Mathati) from Palash roots	5 JLGs	2000	5000	Kakardara, Krishanapur, Saldara, Khairi
11	Running Bichhayat Kendra	5 SHGs	125000	5000	Virurl, Botahli, Salphal, Kinhala, Pachod
12	Renting agricultural implements	24 SHGs	25000	500	Virual (6), Pachod (3), Bothali (2), Saldara(2),Tembhari (2),Parsodi (2), one each in other villages (15)
13	Production of seeds	3 SHGs	-	5000	Virul, Bothali, Pachod
14	Production of traditional recipes	5 SHGs	5000	2000	Ekburji, Virul, Tembhari, Parsodi, Kinhala
15.	Farming on rented land	17 SHGs 20 JLGs	-	15000	In all the villages
16.	Collection and primary processing of medicinally important weeds	10 SHGs	-	3000	In most of the villages

7. Partners:

7.1 Technological support:

- i. Central Cotton Research Institute; Nagpur: promising straight line varieties of cotton
- ii. Punjabrao Krishi Vidyapith, Akola: new varieties of linseed and other crops
- iii. Mahatma Gandhi Institute of Rural Industrialization, Wardha: solar *charkha*

7.2 Support for capacity building:

- i. CHAITANYA, Rajgurunagar

7.3 Support for marketing:

- i. AROHA, Nagpur: marketing of farm produce as well as non-farm produce

8. Marketing Linkages:

- Cotton: Cotton Pool Scheme by Dhairshilrao Wagh Smriti Janata Cooperative Sangh, Rohana
- Medicinal Herbs: Buy back arrangements with Shri Shail Medi Farms, Nagpur
- Tur: Manufacturing *daal* followed by marketing to big retailers through AROHA
- Soybean: Bulking facility after grading at cluster level then supply to APMC
- Milk: Manufacturing *paneer* and forwarding it to restaurants in Wardha
- Organic produce & value added food recipies: Vishmukt Organic Produce Shop at Wardha; *Purti* through AROHA; 'Wardhini'(a venture of DRDA, Wardha)
- Cotton yarn: Swanand Khadi Bahandar, Sevagram
- Silkworm cocoons: Department of Sericulture, Wardha

9. Gender issues and Knowledge management:

8.1 Gender empowerment through:

- Sensitization and capacity enhancement
- Participation in community initiatives and decision making
- Build leadership and organizational skills
- Developing technical and marketing skills

8.2 Knowledge Management:

- Farmers' Field School (FFS)
- Community Information Centre (CIC)
- Regular documentation of work

10. Manpower deployment

Designation and number of project staff:

S No.	Designation	No. of posts
01.	Project Director (Honorary)	01
02.	Project coordinator -cum- marketing expert	01
03.	Agriculture expert	01
04.	Veterinary expert (Part time)	01
05.	Women Development coordinator (preferably female)	01
06.	Master trainers-cum- field supervisors	03
07.	watershed volunteers (CAIM volunteers)	11
08.	Accountant-cum-data entry operator	01
	Total	20

11. Expected output and outcome:

Selected 21 villages in the Arvi block of Wardha district will be benefited from this programme; 1983 BPL families will be economically elevated.

11.1 Farms and beneficiaries:

- Holistic and integrated development of 1296 ha of land through organic and diversified agriculture techniques.
- 565 ha of Kakardara, Saldara and Sawarkhed villages will be treated with *in situ* water conservation measures.
- About 541 families will get the irrigation facilities through farm ponds recharge of wells and sprinklers and community wells
- 687 landless families including 139 women headed families will get better livelihood opportunity
- Identified 70 ultra poor families will get immediate financial help and self sustained projects for their economic growth and sustainability

11.2 Gender:

- About 1500 women will be provided with general capacity building training and about 1000 of them will be trained in different livelihood related training
- 123 women will receive training on leadership, 246 women in marketing opportunity and 123 women in accountancy in relation to SHG operation
- About 75 SHGs are expected to be directly involved in income generating activities providing economic empowerment to the members.
- All the VDCs will have about 40-50% representation of women and role of women will be ensured through VDCs; their active participation in running PC will be ensured

11.3 Institutional:

- Existing 48 BPL women SHGs will be strengthened and will be able to earn substantial income to support their families
- 75 New Women SHGs will be established and strengthened.
- 40 groups of unemployed youth will be established and included in JLGs
- Financial counselling will be made and approximately ultra poor households will be benefited through financial aids
- One Producers' Company will be formed and brought into action
- Farmers' school will be established in each village

11.4 Economic

- An average house hold income will increase by 25 to 30% for dry land farmers which would be due to diversification of crops and reduction in input cost with more reliance on the locally available resources and; for farmers with irrigation facilities, the HH income is expected to increase by 40 to 50 % as a result of introduction of high valued crops like vegetables, floriculture, sericulture, etc. Further augmentation in the income of the farming families is expected due to added contribution from on farm income as well as off farm activities (contributed by women and young generation of the household) including micro-enterprises.
- Farmers will get better economic return on their produce through PC
- Landless families are expected to raise their income at least by 20 to 30 % due to special off farm income generating programmes addressed to them through SHGs and JLGs

- All JLGs and unemployed youth will be able to access the micro-credit facilities
- All SHGs will continue circulation/lending from their own savings and will earn substantial income for supporting their families
- Ultra poor families will be brought above BPL by paying them special attention and specifically covering them under economic activities
- An integrated village development plan for the village will be developed by each VDC and will be executed

11.5 Social

- There will be enhancement in the food and nutritional security of the beneficiary families due to introduction of diverse crops and introduction of courtyard kitchen gardens
- Overall improvement in the health status of the families is expected due to above measures

11.6 Environmental

- The entire area will come predominantly under diversified farming
- Soil moisture status will be enhanced
- Soil health will be improved
- The agricultural produce will mostly be organic so better nutritive in quality

11.7 Biodiversity

- Agro-biodiversity will be improved with diversified crop cultivation
- Soil microorganism population will increase due to better nutrient supply for the plants

12. Cost estimates:

Year	Amount	Financing Plan for the Sub-project						
		IFAD	SRTT	Bank	Private	Beneficiary	Convergence	Total
1	10563635	20.9 %	4.1 %	5.3 %	5.2%	5.4 %	59.1 %	100%
2	14615725							
3	7507590							
Total	32336950	6435195	1339000	2113750	1695000	1738710	18765305	32336950

Add administrative cost @ 10% of the total budget = Rs.3233695/-

Total outlay of the project = Rs.35570646/-