

# Integrated Watershed Development in 5 revenue villages & 19 settlements Pen & Khalapur Blocks of Raigad



Implementing Agency

Rural Communes

Supported by

NABARD, Mumbai

# Watershed Data

Area	1787 ha
Villages Covered	5 revenue villages & 19 settlements
Total Population	3,390
No. Of families	687 (out of which landless families 302)
Project Implementation period	March 1994 to September 1999 (5 years 6 months)
PFA	Rural Communes
Grant Utilized	Rs.1.66 crore
Community Contribution	Rs.17.25 lakh
Project Measures	Terrace bund improvement, Grass land with trees, afforestation, Agro-horticulture, Mix forestry, Gully plugs, Nala Plug, Nala Bank Stabilization, Check Dams and Earthen Nala Bund
Maintenance Fund	Rs.6.53 lakh (from NABARD) + Rs.1.31 lakh (community contribution) = Rs.7.84 lakh
VWC	Registered with 21 members including 5 female members.

# Details of Area Treatment

Treatment	Total Ha / Numbers
Terrace Bund Improvement	407.07 ha
Grassland with Trees	25.44 ha
Reforestation	464.49 ha
Agro Horticulture	316.15 ha
Mix Forestry	102.56 ha





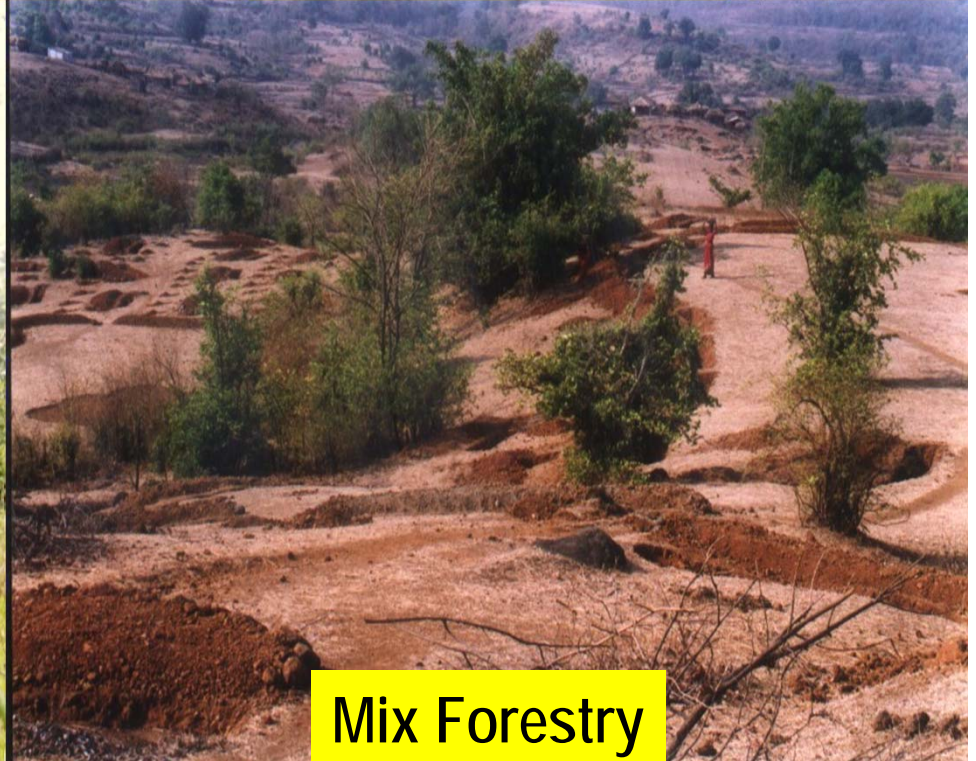
**Terrace Bund Improvement**



**Agro Horticulture**



**Reforestation**



**Mix Forestry**



# Details of Drainage Line Treatment

Treatment	Total Ha / Numbers / Running Mtr
Gully Plugs	4030 No
Nalla Plugs	300 No
Nalla Trenching	1200 Running mtr
Check Dam	23 No
Earthen Check Dam	1

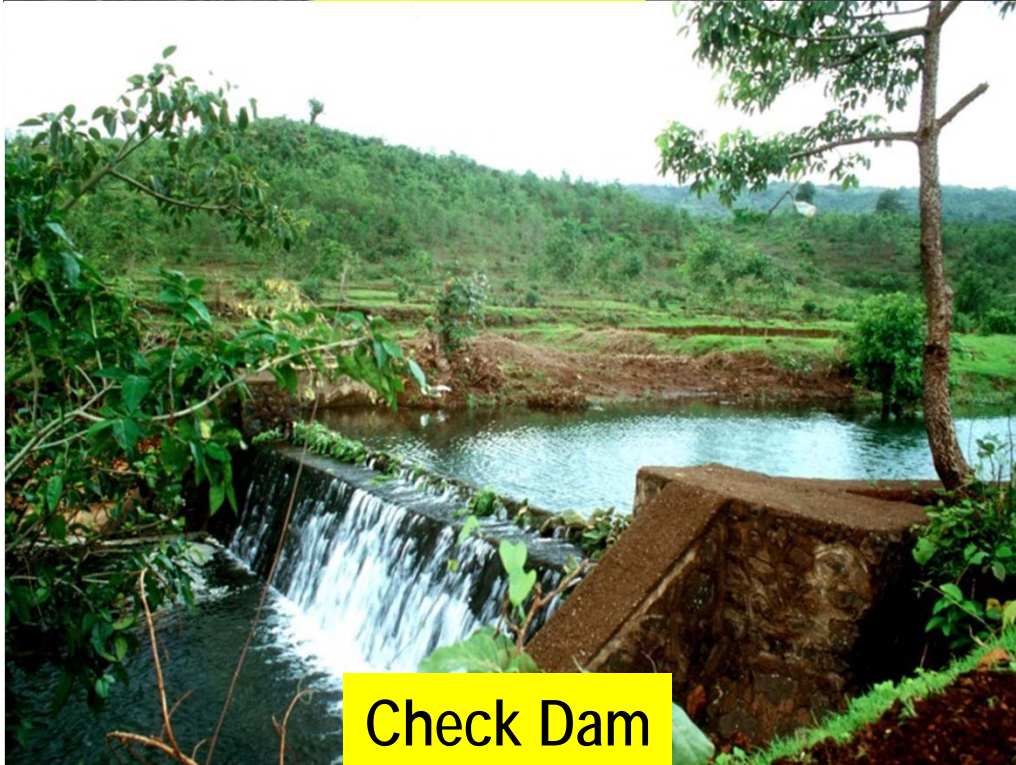




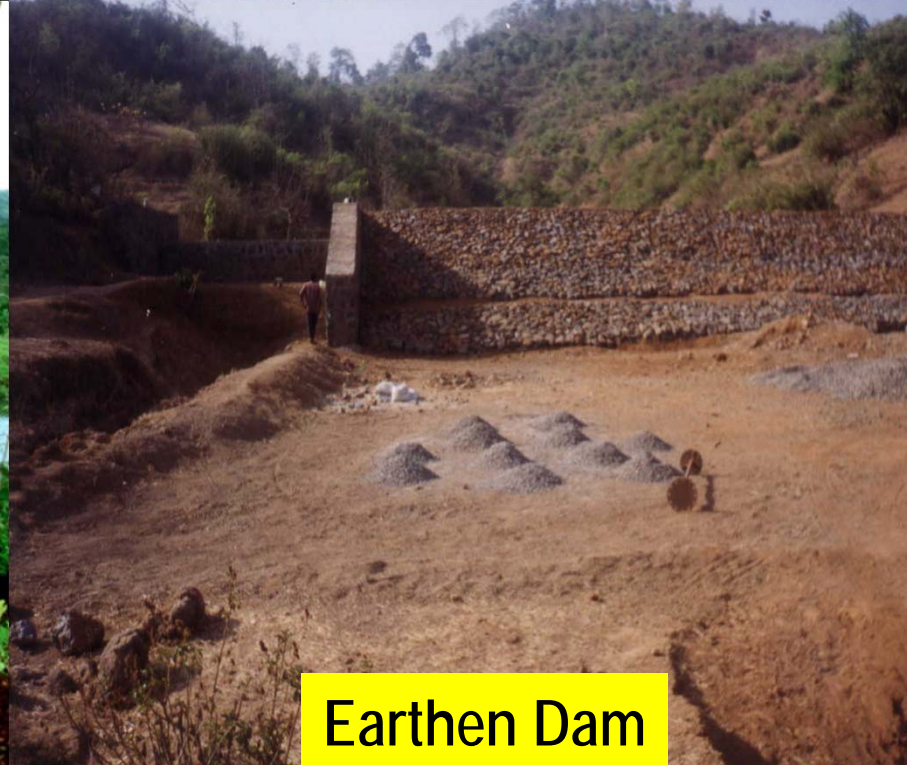
**Gully Plugs**



**Nalla Plugs**



**Check Dam**



**Earthen Dam**



# Impact of Watershed

1. Recharge the underground water table.
2. Improve the agriculture productivity.
3. Opportunity of employment.
4. Women's empowerment.
5. Improved social – economic Status.
6. Improve the assets.
7. Improve the standard living.
8. Improve the social security, food security, health security.
9. Decrease the migration.
10. Increase the people participation in programme.
11. Reduce the child death.
12. Increase the vegetative coverage.

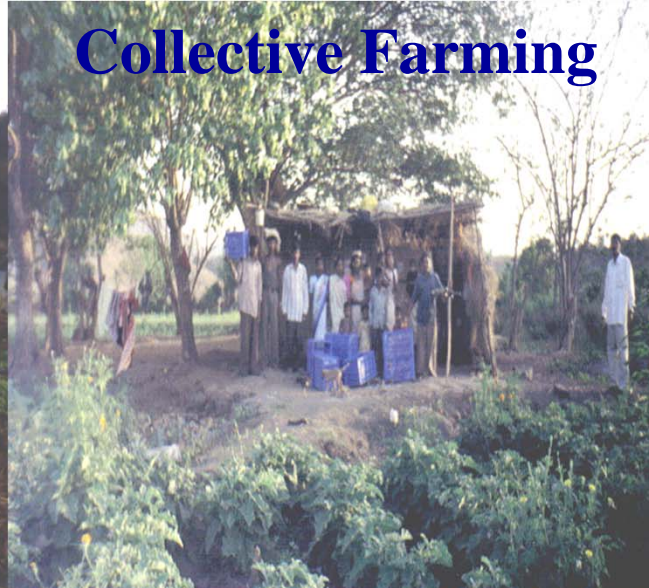


# Impact of Watershed

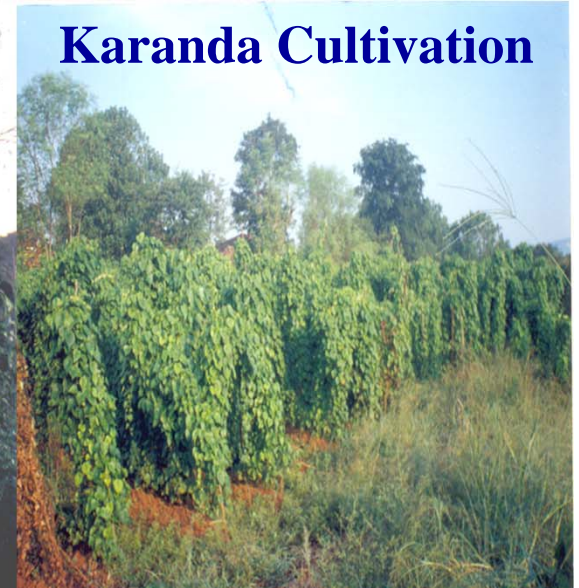
**Nursery Raising**



**Collective Farming**



**Karanda Cultivation**



**Turmeric Cultivation**



**Traditional Live Gene Bank**



**Community Gain Bank**





# Watershed Post Management

1. Repairs & Maintenance of watershed treatments
2. Development of Maintenance Fund.
3. Crops planning. ( Internal crops, Changing the crop pattern etc.)
4. Equally natural resource management.
5. Equally distribution of water management.
6. Food processing value addition & Marketing.
7. Developing the village credit plan & Micro finance.