



**INTEGRATED
WATERHSED
MANAGEMENT
PROGRAMME**

BATCH I

(Project-I to IV)



TURA SOIL & WATER

CONSERVATION

(T) DIVISION,

WEST GARO HILLS



Integrated Watershed Management Programme(IWMP)

Batch – I (Project I – IV)

INTRODUCTION:

Integrated Watershed Management Programme (IWMP) is a centrally sponsored scheme under the Ministry of Rural Department, Department of Land Resources, Government of India.

The Soil & Water Conservation Department, Meghalaya has been implementing Watershed Development programmes since 1999-2000 in participatory approach for financial, social and economic empowerment of the watershed communities. The watershed Projects are implemented in multi-tier ridge to valley sequenced approach, where various Soil and Water Conservation works along with some livelihood activities, production systems and micro-enterprises were taken up.

The project cost is shared between the Central and State Governments in the ratio of 90:10.

During 2015-16, Tura Soil & Water Conservation (T) Division under West Garo Hills, have completed 4 projects under Batch – I comprising of 10 micro watersheds.

OBJECTIVES:

- to dissipate soil and water erosion and surface run-off
- to harvest/recycle surface run-off and rainwater
- to enhance soil moisture regime/water holding capacity
- to promote sub-surface flow, bare flow and ground water discharge
- to improve soil health and tilth
- to improve production and productivity
- to promote income generation and gainful employment opportunities

3 Phases of the Project:

- **Preparatory Phase**
- **Watershed Work Phase**
- **Consolidation Phase**

Preparatory Phase:

- **Entry Point Activities (EPA)** : spring chambers, culverts, ringwells, linkroads, etc
- **Institution and Capacity building** : Awareness campaigns, initiation of village level committees, etc.
- **Detail Project Report (DPR)** : Resource inventories works, PRA exercises, etc.



Spring Chamber at Balal m/watershed IWMP - III



Causeway/Culvert at Dawa m/watershed, IWMP-I



Spring Chamber at Balal m/watershed, IWMP - III



Training Programme on Livestock Management at Tura



Training Programme on Convergence at Tura



Construction of Link Road from Kemragre to Srop-Adinggre under Siksingwil m/watershed, IWMP-I



Ringwell at Chimeseng m/watershed, IWMP-III



Causeway/culvert at Dawa m/watershed, IWMP-I

Watershed work Phase:

- **Arable Land Treatment:** Terracing, improvement of existing paddy field, etc.
- **Non-arable land treatment:** Rubber plantation, afforestation, etc.
- **Drainage line treatment:** CC check cum irrigation dams, protection walls, dugout farm ponds, etc.
- **Livelihood Activities:** Kitchen gardening, tailoring, carpentry, etc.
- **Production System and Microenterprises:** Poultry, piggery, etc.



Bench Terracing at Songgitchak m/watershed



Bench Terracing at Diblongga m/watershed, IWMP-IV and Balal m/watershed, IWMP-II



Arecanut Plantation at Chenggal m/watershed, IWMP-II



Rubber Plantation at Balal m/watershed, IWMP-II



Dug-out Pond at Chimeseng m/watershed, IWMP-III and Jembra Nomil Asi, IWMP-IV



Water Harvesting Structure at Jembra Nomil Asi m/watershed, IWMP-IV



CC Check Dam at Chenggal m/watershed, IWMP-II



CC Irrigation Channel and Earthen Irrigation Channel at Chenggal m/watershed, IWMP-II



Kitchen Gardening at Chimesng m/watershed, IWMP-III and Dawa M/watershed, IWMP-I



SHG Tailoring Unit at Dabong m/watershed, IWMP-II



SHG Weaving Unit at Satbenga m/watershed, IWMP-III



Distributed Poultry Unit at Jembra Nomil Asi M/watershed, IWMP-IV



Power Tiller Operation at Satbenga M/watershed, IWMP-III



Distribution of Carpentry set at Diblongga M/watershed, IWMP-IV



Fingerlings Distribution at Jembra Nomil Asi M/watershed, IWMP-IV

Consolidation Phase:

- Repairing and maintaining of CPRs
- Improving the sustainability of various intervention
- Documentation of successful experience and preparation of completion report



Improvement of Spring Chamber at Diblongga, IWMP-IV



Improvement of Spring Chamber at JembraNomilAsi,



Improvement of Ringwell at Chenggal, IWMP-II



Training on Post Project Management at Chenggal M/watershed, IWMP-II and Satbenga M/watershed, IWMP-III

Monitoring and Evaluation:

Monitoring and evaluation after every phase were conducted to assess the performance and the impact of the project on the communities.



Monitoring of the Project at Siksingwil M/watershed by SIRD



NEDFi and NRM officials monitoring at Different Micro-watersheds



Social Auditing by Bethany Society

IWMP Batch - I Projects under Tura Soil & Water Conservation (T) Division, West Garo Hills:

Sl. No.	Name of Project	Name of Microwatershed	Name of Villages	C & RD Block	Total Area (in Ha)	Total Project Cost (Rs. in Lakhs)	Total Fund received (Rs. in Lakhs)	Expenditure (Rs. in lakhs)	No of Households
1	WGH-IWMP-I	Dawa	Chidaogre	Rongram	500	75.00	75.00	75.00	60
		Siksingwil	Kemragre	Rongram	500	75.00	75.00	75.00	46
2	WGH-IWMP-II	Dabong	Chengalgre	Dadenggre	500	75.00	75.00	75.00	57
		Songgitchak	Dolwakgre	Dadenggre	500	75.00	75.00	75.00	85
		Balal	Songmaranggre	Dadenggre	500	75.00	75.00	75.00	56
3	WGH-IWMP-III	Balal	BalalAdugre, Goeragre	Sellsella	500	75.00	75.00	75.00	79
		Chimeseng	Chibonggare, Dingnapara	Sellsella	500	75.00	75.00	75.00	108
		Satbenga	Alokdia	Sellsella	500	75.00	75.00	75.00	110
4	WGH-IWMP-IV	Diblongga	Dikimpara	Gambegre	500	75.00	75.00	75.00	99
		JembraNomilAsi	Okkapara	Gambegre	500	75.00	75.00	75.00	110

Lesson learnt :- Implementation of various project works through the communities themselves (watershed committees) helped to develop their interest and improve their sense of belonging, which resulted in better impact of the activities.

SUCCESS STORY

Name of SHG	:	Mangrak Women SHG of Chenggalgre
SHG Members	:	10nos.
Location	:	Chenggalgre Village, 56kms from HQ Tura.
Block	:	Dadengre C & RD Block.
Name of Project/Watershed	:	Chenggal Watershed – IWMP project-II under Batch I
Year of establishment of SHG:	:	2008
Project assistance	:	Under Production system and microenterprise activities: 1 no. dug out pond @ Rs.40, 000/- 1 month Tailoring training for members: 5 nos. sewing machines
Geographical Location	:	N25°44'06.82" & E 90°16'41.42"

In the year 2011, under Integrated Watershed Management Project (IWMP) a dug out pond for Mangrak Women SHG at Chenggalgre village was constructed and the group released 2000 nos.(about 3 kgs) of fingerlings. They had also purchased and released 12 kgs of fingerlings themselves by spending about Rs.3600/- @ Rs 300/kg.

In the year 2012 they harvested around 96Kgs and received Rs.14, 400/- by selling their fishes in the local market for Rs.150/kg. This practice of rearing fish and selling part of their harvest is being continued till date and they have got about Rs. 60,000/- in the last 4 years (Including 2015).

Under the same project, 5 nos. of sewing machines have been given to 5 members of the SHG who have been trained for 1 month in tailoring. They are getting additional income from selling their sewing products like carry bags, mobile bags, children frocks, blouses, etc.

The group also generates income of Rs. 300/- per week from the rice mill which they have procured themselves.They deposit their earnings from these activities in the SHG bank account in SBI and small amount of loans are being given to the members for their needs.

With their individual share of benefits, now the beneficiaries can meet their requirements for children's education and the living condition of these SHG members have been improved considerably.



One month Tailoring Training for the SHG members and with their harvested fish from the Pond

**Tura Soil & Water Conservation Territorial Division
West Garo Hills**