GOVERNMENT OF MEGHLAYA

DEPARTMENT OF SOIL & WATER CONSERVATION(T) DIVISION
DETAIL PROJECT REPORT
OF
RIMJONG MICRO WATERSHED
UNDER
INTEGRATED WATERSHED MANAGEMENT PROGRAMME
WGH IWMP-VIII
2010-2011

TURA SOIL & WATER CONSERVATION(T) DIVISION
WEST GARO HILLS, MEGHALAYA.

DETAILED PROJECT REPORT

RIMJONG MICRO WATERSHED

INTEGRATED WATERSHED MANAGEMENT PROGRAMME

IWMP –VIII

2010 – 2011

SELSELA C&RD BLOCK

WEST GARO HILLS

MEGHALAYA

SUMMARY

Name of the Sate	**:**	Meghalaya
Name of the District	**:**	West Garo Hills District
Name of the C&RD Block	**:**	Sellsela
Name of the Villages	**:**	Kilmangittim & Kalamatti
Name of the Project	**:**	West Garo Hills – IWMP –VIII
Total Geographical Area	**:**	526.1 Ha
Total Treatment Area	**:**	500 Ha
Total Project Cost	**:**	75 lakhs
Project Duration	**:**	5 Years
Project Implementing Agency	**:**	Soil & Water Conservation Territorial Division, Tura

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INTRODUCTION AND BACKGROUND

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INTRODUCTION AND BACKGROUND

1.1 Project Background:

The Rimjong (IWMP-VIII) project is located at West Garo Hills under Selsella C&RD Block, West Garo Hills District of Meghalaya, consisting of a single micro-watershed, the project area is drained by the Rimjong River and its tributaries flowing in a North to South direction. The total area is 526.10 Ha. with 500 to be treated under the Integrated Watershed Management Programme (IWMP).

The Project area is located at a distance of about 40 km from Dadeng the Civil Sub-Divisional Head Quarter and about 45 km from Tura the District Headquarter . A total of 2(two) villages are covered under the project. These are –

1. Kilmangittim
2. Galamati.

1.2 Micro-watershed Information:

The micro-watershed code is _____ as codified by the North East Space Application Centre (NESAC). The total area of the micro-watershed is 526.10 Ha., with 500 hectares to be treated under the Integrated Watershed Management Programme (IWMP).

1.3 Need and Scope for Watershed Development:

The micro-watershed Rimjong falls under the High Priority category as per the prioritization of watersheds by the North East Space Application Centre (NESAC). The farmers are all marginal.. Jhum cultivation is practiced by most of the inhabitants of these villages on the slopes.

Even though the area receives ample rainfall during the monsoons, there is acute shortage of water during the dry seasons and the villagers have to travel long distances for fetching water even for domestic use.

1.4 Other developmental projects/schemes running in the Project Area:

The other developmental projects/schemes undertaken in the Project Area are:-

i. NREGS

CHAPTER II

BASIC INFORMATION OF THE PROJECT AREA

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BASIC INFORMATION OF THE PROJECT AREA

2.1 Location:

The Project area is located within the area of Damjonggre under Selsella C&RD Block of Dadeng Civil Sub-Division, Weat Garo Hills District. It is situated at a distance of about 40 km from Dadeng the Civil Sub-Divisional Head Quarter and about 45 km from Tura the District Headquarter. The geographical location is between89°59'53.3828" to 90°01'53.0922" E Longitude and 25°39'15.7712" to 25°37'16.0619" N Latitude. There are 2 villages within the Watershed which are as follows –

1. Kilmangittim
2. Galamati

At present, these 2(two) villages are motorable road but of kutcha type.

2.2 Physiography:

The physiography of the micro-watershed is highly undulating. The altitude ranges from a minimum of40 m to a high of 144 m above mean sea level. In the lower reaches (valley lands) the slope ranges from5-10% in the Lower reaches,, however, in the middle 10- 20% and upper reaches 20-35% and can reach up to more than50%.

Table 2.1: Physiographic details

Elevation (metres)	Slope Range (%)	Order of watershed Sub/Micro-watershed	Major streams	Topography
40-144m	1% to 50 %	3rd Micro Watershed	Chamba Stream, Mangro , Kalamati, Rimjong, Chisiri, Gangan, Rongchi, Sona, Rongkabok, Sausi, Gabat, Rongchibipek, Matalanga.	Gniss with old intiers, sela group (AP)

2.3 Drainage : The major stream draining the micro-watershed is the Rimjong stream which is a 3rd order stream flowing in a north-south direction. The slopes of the micro-watershed are dissected by numerous small tributaries flowing to the Rimjong.

2.4 Soil :

Soil in general is moderately deep, excsssively drained fine loamy soils in surface structure. They are moderately acidic in nature. The soil depth is deep to moderately deep. Due to uniform slopes and presence of many water cources , no drainage problem exist. The watershed area does not have a major erosion problem but of moderate erosion.

Table 2.2: Details of soil erosion in the project areas:

1	2	3	4	5	6	7	8	9
Sl. No.	Names of State	Names of District	Names of Projects	Cause	Types of erosion	Area affected (ha)	Run-off (mm/ year)	Average soil loss (Tonnes/ ha/ year)
1	Meghalaya	West Garo Hills	West Garo Hills – IWMP VIII	Water erosion:				
				A	Sheet			
				B	Rill	500	NA	NA
				C	Gully			
				Sub total		500		
				Wind erosion		nil	nil	Nil

2.5 Climate :-

The Watershed lies under Central Hyper-thermic Agro-climatic plateau. The average annual rainfall is about 3600mm. Monsoon normally starts in the middle of May and last till middle of October. About 80% of the total annual rainfall is received from June to September. May and June are the hottest month recording average maximum temperature of 32°C. December and January accounts for lowest of 10°C to 12°C.

Table 2.3: Agro-climatic zones of the project areas, soil types, average rainfall and major crops.

1	2	3	4	5	6	7		8	9	
Sl. No.	Name of State	Name of the Agro-climatic zone	Area (in ha)	Names of the districts	Names of the Projects	Major soil types		Average annual rainfall in mm (preceding 5 years' average)	Major crops	
						a) Type	b) Area (ha)		a) Name	b) Area (ha)
1	Meghalaya	Central Hyper-thermic Agro-climatic	500	West Garo Hills.	W.G.H. IWMP VIII	Loamy	526.1	3600	Paddy	80
									Maize	14
									Millet	25
									Ginger	30
									Arecanut	60
									Banana	15

2.6 Agriculture :

Agriculture is the primary occupation of the people of the area. The people mostly practice jhum. The jhum plots vary from 0.5 to 1.0 Ha, and are cultivated for 3-4 years. The principal agricultural crops grown of the jhum fields are paddy, potato, sweet potato, millet, maize, yam and vegetables etc. Fruit crops are well suited in the lower reaches which include, Elaegnus latifolia, orange, pineapple, jackfruit, litchi. The slopes of the Rimjong are also very suitable for betel nut, betel leaf, black pepper, broomstick, cashewnut which contribute to the income of the people.

Table 2.4: Crop yield and production

Crops	Area (ha)	Average Yield (Qtl) per ha.	Total Production (Qtl.)
Paddy	80	15	1200
Maize	14	20	280
Millet	25	8	200
Ginger	30	35	1050
Arecanut	60	8	1000
Tapioca	8	30	240
paddy	80	15	1200

2.7 Natural Vegetation :

The tree species common to the watershed area includes – *Albizzia spp, Schima wallichii, Emblica officianalis, Bombax cieba*, and *bamboo spp*. However, due to Jhum cultivation and stone quarry, the forest cover of the area has reduced considerably.

2.8 Socio-Economic Profile :

Economically, the area is perhaps the most backward in the district. The main reason is due to the absence of road communication, primitive way of agricultural practices like jhumming and the difficult terrain of the area. The entire population depends upon agriculture and horticulture , daily labour in the stone quarry for sustenance.

Demographic Status *:* The total households in the watershed project is nos. with a total population of 165 nos, of which86nos. are male and79 nos are female. The detail of the household in each of the villages in the watershed project is as follows:

1.Kalamati = 10 Nos.
2. Kilmangitim = 31 Nos.
Total = 41 Nos.

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Infrastructure facilities **:**

2.1.1 ***Roads :*** All the villages within the Project Area are not connected by road. The Project area depends entirely on the kutcha road connected either to PWD main Road.

2.1.2 ***School :*** There are only 1(one) L.P Schools within the Project Area run either by the Community.

2.1.3 ***Electricity*** *:* At present there is no electricity connection in the Project Area

2.1.4 ***Health :*** One Community Health Centre at Jekabari which is at the distance of 5 km.

2.1.5

2.1.6 ***Water Supply :*** There is no drinking water supply by the PHE Deptt.. However, during lean season the entire population have to depend on springs available in the area as the supply is not sufficient to meet the daily requirement.

2.1.7 ***Market :*** There is a weekly market held once in a week at Jekabari. However, the main market where the people sell their produce is at Garobada and also at Selsella.

Table 2.5: Infrastructure Status.

1	2	3		4			
Name of District	**Name of Project**	**Parameters:**		**Status**			
West Garo Hills	West Garo Hills – IWMP III	(i)	No. of villages connected to the main road by an all-weather road.	All villages are at 1 hr to 3 hrs walking from the motorable junction			
		(ii)	No. of village provided with electricity	Nil			
		(iii)	No. of households without access to drinking water	40 nos.			
		(iv)	No. of educational institutions: Primary (P)/ Secondary (S)/ Higher Secondary (HS)/ Vocational institution (VI)	(P)	(S)	(HS)	(VI)
				1Nos.	-	-	-
		(v)	No. of village with access to Primary Health Centre	Nil			
		(vi)	No. of village with access Veterinary Dispensary	Nil			
		(vii)	No. of village with access Post Office	Nil			
		(viii)	No. of village with access Banks	Nil			
		(ix)	No. of village with access Markets/ mandis	Nil			
		(x)	No. of village with access Agro-Industries	Nil			
		(xi)	Total quantity of surplus milk	Nil			
		(xii)	No. of milk collection centres (e.g. Union (U)/ Society (S)/ Private agency (PA)/ Others (O))	(U)	(S)	(PA)	(O)
				Nil	Nil	Nil	Nil
		(xiii)	No. of villages with access to Aganwadi Centres	Nil			
		(xiv)	Any other facilities with no. of villages (please specify)	Nil			

2.6 Livestock : There are only 4 kinds of livestock farming being farmed in the area viz.Cattle, Piggery, Poultry and Goatry.

Table 2.6: Existing livestock population

Type of Animal	Population
Cattle	97
Piggery	28
Poultry	141
Goatry	59
Total	**325**

2.7 Land ownership :

The proposed project is under the "A'king land tenure system."prevailing in Garo Hills District of Meghalaya in which a land is held a particular class {Mahari) under the custody of the Head of the Clan or a Village Chief called "Nokma" recognized as such by the Garo Hils District Councils.

Table 2.7: Land Holding:

1	2	3	4	5	6		
Name of District	**Name of the Project**	**Types of Farmer**	**No. of households**	**No. of BPL households**	**Land holding (ha)**		
					Irrigated	**Rainfed**	**Total**
West Garo Hills	West Garo Hills – IWMP VIII	(i) Large	-	-	-	-	-
		(ii) Small	6	-	-	26.56	26.56
		(iii) Marginal	35	-	-	38	38
		(iv) Landless	-	-	-	-	-
		Sub - Total	**41**	-	-	**64.56**	**64.56**

Table 2.5: Common Property Resources in the Project Area

1	2	3	4				5			
Name of District	**Name of the Projects**	**CPR Particulars**	**Total Area (ha) Area owned/ In possession of**				**Area available for treatment (ha)**			
			Pvt. Person	**Govt. (specify deptt.)**	**PRI**	**Any other (Community)**	**Pvt. Person**	**Govt. (specify deptt.)**	**PRI**	**Any other (Community)**
West Garo Hills	West Garo Hills – IWMP VIII	(i) Wasteland/ degraded land				87.97				300
		(ii) Pastures								
		(iii) Private Agriculture land	64.56	-	-	-	83			
		(iv) Village woodlot								
		(v) Forest	-	-	-	225.04				15
		(vi) Village Ponds/ Tanks								
		(vii) Community Buildings								
		(viii) Weekly Markets								
		(ix) Permanent Markets								
		(x) Temples/ Places of worship								
		(xi) Others (Pl. specify) Horticulture.		-	-	148.53				102
		Total	**64.56**	**-**	**-**	**461.54**	**83**	**-**	**-**	**417**

2.9 Land use and land cover :

As per the land use land cover map Watershed area has been broadly classified into the following land uses.

a) Built-up Area = 26.85 Ha

b) Current jhum = 64.56 Ha

c) Horticulture plantation = 121.68 Ha

d) Forest open = 225.04 Ha

e) Wastelands-open shrub = 87.97 Ha

Total = 526.1 Ha

2.10 Problems of the Area :

The primary problems of the area is jhumming. Majority of the population depends on Jhum Cultivation for their livelihood. Vast tracks of abandoned Jhum areas are converted to Stone Quarry areas which has further degraded the capability of the land. Road communication is another infrastructural problems that the area is facing where large volume crops like pineapple, jackfruits etc do not find their way into the market which has resulted in poor socio-economic status of the people. However, to control or to overcome the said problems an innovative approach has been formulated and documented in the Action Plan or the Treatment Plan the Detailed Project Report. The method of identification of the problems is through the Participatory Rural Appraisal Exercises is conducted in all the villages within the Watershed.

Further the major problems in the project area are :-

(i) Unsustainable exploitation of forest vegetation.
(ii) Absence of soil and water conservation measures.
(iii) Lack of technical knowledge on crop management and water management.
(iv) Poor socio economic set up.
(v) Fire hazards

CHAPTER III

PROJECT PLANNING & INSTITUTION BUILDING

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3.1 Scientific Planning

i) **Base Line Survey:**

To establish a benchmark for assessing the impact of any intervention (pre-project & post project) a baseline survey is essential. The baseline survey included household census & socio-economic survey by using structured and semi –structured questionnaires, bio-physical survey to identify and assess the status of natural resources in the project area

ii) **Participatory Rural Appraisal:**

To further obtain information on the project area, the people, resources, various PRA techniques like resource mapping, social mapping, seasonal calendars, matrix ranking, Venn diagrams were used.

iii) **GIS & Remote Sensing:**

To facilitate the process of prioritization and planning Geographic Information System was use. The land use and land cover (LULC) maps were prepared by the North Eastern Space Application Centre (NESAC) using the LISS III images (2006). The activities were located on the field by using GPS and accordingly transferred to the maps on GIS platform.

Table 3.1: Details of Scientific Planning and Inputs in IWMP projects:

1	2	2
Sl. No.	**Scientific criteria/ inputs used**	**No. of projects in which scientific criteria were used**
A.	**Planning**	
	Cluster approach	Yes
	Whether technical back-stopping for the project has been arranged? If yes, mention the name of the Institute.	Yes NESAC,Nongsdiar
	Baseline survey	YES
	Hydro-geological survey	NO
	Contour mapping	NO
	Participatory Net Planning (PNP)	NO
1	2	2
	Remote sensing data-especially soil/ crop/ run-off cover	YES
	Ridge to Valley treatment	YES
	Online IT connectivity between	
	(1) Project and DRDA cell/ZP	YES
	(2) DRDA and SLNA	YES
	(3) SLNA and DoLR	YES
	Availability of GIS layers	
	1. Cadastral map	NO
	2. Village boundaries	NO
	3. Drainage	YES
	4. Soil (Soil nutrient status)	YES
	5. Land use	YES
	6. Ground water status	NO
	7. Watershed boundaries	YES
	8. Activity	YES
	Crop simulation models[#]	NO
	Integrated coupled analyzer/ near infrared visible spectroscopy/ medium spectroscopy for high speed soil nutrient analysis	NO
	Normalized difference vegetation index (NDVI)#	YES
	Weather Stations	NO
B.	**Inputs**	
	1. Bio-pesticides	NO
	2. Organic manures	YES
	3. Vermi-compost	NO
	4. Bio-fertilizer	YES
	5. Water saving devices	YES
	6. Mechanized tools/ implements	NO
	7. Bio-fencing	YES
	8. Nutrient budgeting	YES
	9. Automatic water level recorders & sediment samplers	NO

3.2 Project Implementing Agency:

The PIA is the Soil & Water Conservation Territorial Division, Tura West Garo HillsDistrict of Meghalaya. The Project Manager will be the Divisional Soil and Water Conservation Officer and will be assisted by an Asst. Soil & Water Conservation Officer along with WDT members in which expertise is drawn from the relevant fields for achieving smooth and successful implementation of the project.

1	2	3	
Names of Districts	Names of projects	Details of PIA	
West Garo Hills	W.G.H. IWMP-VIII	(i) Type of organization#	Government
		(ii) Name of organization	Soil & Water Conservation (T) Division,
		(iii) Designation & Address	Divisional Officer, Tura Soil & Water Cons.(T) Division, W.G.H, Tura Meghalaya.
		(iv) Telephone	03651-222354
		(v) Fax	03651-222354
		(vi) E-mail	turadivsoil@gmail.com

3.3 Institution Building

i) Watershed Committee (WC)

The Watershed Committee of the Rimjong Watershed IWMP-VIII was constituted with the active involvement of the villagers with strong support of the Traditional Institutions (Village Durbar/Council). The Rimjong Watershed Committee has been registered under the Society Registration Act 1983

Table 3.2: Details of Watershed Committees (WC):

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Names of the Districts	Names of projects	Names of WCs	Date of Registration as a Society (dd/mm/ yyyy)	Designation	M/F	SC	ST	SF	MF	LF	Land-less	UG	SHG	GP	Any other	Educa-tional 1ualify-cation	Function/s assigned#
W.G.H	W.G.H-IWMP VIII	Rimjong	Under progress	President	M		ST									VIII	A to I
				Secretary	F		ST									BSc	A to I
				Member	8 M											1 to VIII	A to I
				Member	2 F												A to I
				Member													

A. PNP and PRA
B. Planning
C. Maintenance of Accounts
D. Signing of cheques and making payments
E. Supervision of construction activities
F. Cost Estimation
G. Verification & Measurement
H. Record of labour employed
I. Social Audit
J. Any other (please specify).

ii) Self Help Group

Awareness programmes were organized in the villages to inform and sensitize the people on the essence of organizing themselves in to homogenous groups for uplifting their livelihood especially for the women and the landless. Discussions were held at length with the WDT on the scope and procedure of group formation, availing credit, grading of the groups and so on.

Table 3.3: Details of Self Help Groups (SHGs) in the project areas - (Nil)

1	2	3				4				5			6		
Names of the Districts	Names of projects	Total no. of registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category		
		With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total
W.G.H	W.G.H IWMP-VIII					(i) Landless									
						(ii) SF									
						(iii) MF									
						(iv) LF									
					NIL										

iii) User Group

To manage the assets created and ensure their sustainability User Groups will be formed. The people have been sensitized on the importance of ensuring that the assets created are sustainably used and the essentiality of having User Groups for maintenance and operation of their assets.

Table 3.4: User Group Details

1	2	3				4				5			6		
Names of Districts	Names of Projects	Total no. of Ugs				No. of members				No. of SC/ST in each category			No. of BPL in each category		
		Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total
W.G.H	W.G.H. IWMP VIII					(i)Landless									
						(ii) SF									
						(iii) MF									
						(iv) LF									
Total					NIL				NIL			NIL			NIL

CHAPTER IV
PROJECT ACTIVITIES

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PROJECT ACTIVITIES

4.1 Preparatory Phase:

i) Entry Point Activities (EPA)

(Financial – Rs. in lakh)

1	2	3	4	5	6	7	8	9	10	11
Sl. No.	**State**	**District**	**Names of Project**	**Amount earmarked for EPA**	**Entry Point Activities planned**	**Estimated cost**	**Expenditure incurred**	**Balance**	**Expected outcome**	**Actual outcome**
1	Meghalaya	W.G.H	W.G.H IWMP VIII	3.00 Lakh	Construction of Spring Chamber	3.00 Lakh	3.00 Lakh	-	N.A	Increase in drinking water facilities

ii) Other activities of Preparatory Phase:

1	2	3	4	5	6	7	8	9	10	11	12	13
District	**Name of Projects**	**Initiation of village level institution**	**Capacity building**	**IEC activities**	**Baseline survey**	**Hydro-geological survey**	**Identifying technical support agencies**	**Resource agree-ments**	**Preparation of DPR**	**Evaluation of DPR**	**Any other (please specify)**	**Cost incurred (Rs. In lakh)**
W.G.H	W.G.H IWMP VIII	Formation of Watershed Committee	a) Capacity building of watershed Committee b) Capacity building of SHGs and UGS c) Capacity building programme of WDT members d) Training for farmers/ community e) Off-campus exposure trip.	a)Pamplets b)Banners c)Posters	a)Participatory Rural Appraisals b)Socio Economic Survey	a)GPS survey b)Engi-neering Survey	a) NIRD b)SIRD c)ICAR d)NEHU e)NESAC	a) NOC with village headman for under-taking develop-mental works b) Agreement for convergence of NREGS scheme with IWMP with VEC.	Done	Done	-	1.5

4.2 Watershed Works Phase:

4.2.1 Activities related to surface water resources in the project areas:

1	2	3	4	5	6			7											
					Pre Project			Proposed Project											
								Augmentation/ repair of existing structures				Construction of new structures				Total target			
Sl. No	Name of States	Name of Districts	Name of Projects	Type of structures	No	Area irrigated (ha)	Storage capacity	No	Area to be treated (ha)	Storage capacity	Estimated cost (in lakhs)	No	Area to be treated (ha)	Storage capacity (per unit)	Estimated cost (in lakhs)	No	Area to be treated (ha)	Storage capacity (m^3)	Estimated cost
1	Meghalaya	WGH	W.G.H IWMP VIII	Check Dam cum irrigation dam	-	-	-	-	-	-	-	3 Nos	75 Ha	638	7.50	3 Nos	75 Ha	638	7.50
				Water conservation farm pond	-	-	-	-	-	-	-	4 Nos	185 Ha	1200	10.00	4 Nos	185 Ha	1200	10.00
				Earthen Irrigation channel	-	-	-	-	-	-	-	768 rmt	40 Ha	-	0.384	768 rmt	40 Ha	-	0.384
				Stone masonry protection wall	-	-	-	-	-	-	-	6	60	1300	3.0	6	60	1300	3.0
			Total										**360 Ha**	**3138m³**	**20.884**		**360 Ha**	**3138 m³**	**329**

8											9	10
Achievement due to project												
Augmentation/ repair of existing structures				Construction of new structures				Total achievement			Change in storage capacity (col 8-6)	Change in irrigated area (ha) Col. (8-6)
No	Area irrigated (ha)	Storage capacity	Expenditure incurred (in lakhs)	No	Area irrigated (ha)	Storage capacity	Expenditure incurred (in lakhs)	Area irrigated (ha)	Storage capacity	Estimated incurred		-

4.2.2 Activities related to recharging ground water resources in the project areas:

1	2	3	4	5	6		7									8									9
S. No.	Names of States	Names of Districts	Names of projects	Type of structures	Pre-project		Proposed target									Achievement due to project									Change in irrigated area (Col. 8-6) (ha)
							Augmentation/ repair of existing recharging structures			Construction of new recharging structures			Total target			Augmentation/ repair of existing recharging structures			Construction of new recharging structures			Total achievement		
					No.	Area irrigated (ha)	No.	Area to be irrigated (ha)	Estimated cost	No.	Area to be irrigated (ha)	Estimated cost	Area to be irrigated (ha)	Estimated cost	No.	Area irrigated (ha)	Expendi-ture incurred	No	Area irri-gated (ha)	Expendi-ture incurred	Area irri-gated (ha)	Expendi-ture incurred	
	Meghalaya	WGH	WGH IWMP VIII	(i)Open wells																					
				(ii)Bore wells																					
				(iii)Any others (Pl. specify) Dug Out Pond	-	-	-	-	-	12	20	6	20	6											
				Total						**12**	**20**	**6**	**20**	**6**											

4.2.3 Activities executed by User Groups in the Project Areas

	2	3						
Names of Districts	**Names of Projects**	**Major activities of the UGs –Targets**						
		Structure/ activity proposed				**No. of UGs involved**	**Estimated Cost**	**Amount of WDF to be collected (Rs.)**
		Sl. No.	**Type**	**No.#**	**Treatment (ha)**			
W.G.H	W.G.H IWMP-VIII	1.	C.C Check cum irrigation Dam	3 Nos	75 Ha	1	7.50	.375
		2	Stone Masonry protection wall	6 Nos	60 Ha	1	3.00	.15
		3	Water Harvesting Farm Pond	4 Nos	185 Ha	1	10.00	.50
		4	Earthen Irrigation Channel	768 rmt	40 Ha	1	0.384	.0192
		5	Dug out Pond	12 Nos	20Ha	1	6.0	.30
			Total		**380 Ha**	**5**	**26.884**	**1,34,420**

2.4 Activities executed by User Groups in the Project Areas:

4									
Major activities of the UGs – Achievements									
Structure/ activity				**No. of UGs involved**	**Expenditure incurred (Rs.)**	**No. of mandays**			**Amount of WDF collected (Rs.)**
Sl. No.	**Type**	**No.#**	**Treated Area (ha.)**			**SC**	**ST**	**F**	

4.2.5 Activities related to livelihoods by Self Help Groups (SHGs) in the project areas:

1	2	3		
Names of the Districts	**Names of projects**	**Major activities of the SHGs**		
		Name of activity	**No. of SHGs involved**	**Average annual income from activity per SHG**
West Garo Hills	W.G.H IWMP-VIII	Piggery	5	.75
		Poultry	4	.75
		Fishery cum piggery	3	.50
		Supply of fingerlings	3	.67
		Rubber budded poly-bag	6	.89
		Rice mill	1	.40
			22	**3.96**

4.2.6 Activities related to livelihoods by Self Help Groups (SHGs) in the project areas:

4	5				6	7	8			9	10
No. of SHGs given training	**Total assistance received by the SHG (Amount in Rs.)**				**Total annual Income Generated (Rs.)**	**Total annual Savings (Rs.)**	**No. of SHGs Graded as**			**Total Amount of loan sanctioned by the bank(s)**	**No. of SHGs federated**
	Loan from revolving fund	**Training**	**Material**	**Others (pl. specify)**			**I**	**II**	**III**		
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

4.2.7 Other activities of watershed works phase:

1	2	3		4		5		6		7		9		10		12		13
District	**Names of projects**	**Ridge area treatment**		**Drainage line treatment**		**Nursery raising**		**Land development**		**Horticulcure Development**		**Veterinary services**		**Fishery development**		**Any other (please specify)**		**Total cost incurred (Rs. In lakhs)**
		(a)	**(b) (Rs)**	**(a)**	**(b) (Rs)**	**(a)**	**(b) (Rs)**	**(a)**	**(b) (Rs)**	**(a)**	**(b) (Rs)**	**(a)**	**(b) (Rs)**	**(a)**	**(b) (Rs)**	**(a)**	**(b)**	
WGH	W.G.H IWMP-VIII	15 ha	0.54	375	23.384	-	5.50	23 ha	4.6	102	8.976	9 units	2.7	3 units	0.30	1. Carpentry 2.Rice-mill 3.Tailoring 4.Kitchen garden 5. Dug out pond 6.Fishery cum piggery	0.25 0.50 0.80 2.95 3.5 0.750	
	Total		**0.54**		**23.384**		**5.50**		**4.6**		**8.976**		**2.7**		**0.30**		**8.75**	**54.75**

4.2.8 Details of engineering structures in watershed works:

1	2	3	4			5			6	7						8						
District	Project	Name of structures	Type of treatment			Type of land			Executing agency	Target						Achievement						
			(i) Ridge area (R)	(ii) Drainage line (D)	(iii) Land Dev. (L)	(i) Pri-vate	(ii) Com-munity	(iii) Others (pl. specify)	(i) UG (ii)SHG (iii) Others (pl. specify)	No. of units (No./ cum./ rmt)	Estimated cost (Rs. in lakh)				Expected month & year of completion (mm/yyyy)	No. of units (No./ cu.m./ rmt)	Expenditure incurred (Rs. in lakh)				Status of comple-tion	Actual month & year of completion (mm/yyyy)
											M	W	O	T			M	W	O	T		
W.G.H	W.G.H IWMP VIII																					
		Dug out Pond	-	D	-	P		-	UG/WC	12 Nos		6		6	3Yrs.							
		C.C. Check Cum Irrigation Dam	-	D	-	-	C	-	UG/WC	3 Nos	4.5	3		7.5	3Yrs.							
		Wet Terrace	-		LD	P		-	UG/WC	23 ha		4.6		4.6	3Yrs.							
		Stone Masonry Protection Wall	-	D	-	-	C	-	UG/WC	6 Nos	1.8	1.2		3	3Yrs.							
		Earthen irrigation chjannel	-	D	-	-	C	-	UG/WC	768 rmt		0.384		0.384	3Yrs.							
		Water Harvesting farm pond	-	D	-	-	C	-	UG/WC	4 Nos	6	4		10	3Yrs.							
		TOTAL									**12.3**	**13.184**	**-**	**25.484**								

4.2.9 Details of engineering structures in watershed works.

9																		
Outcomes																		
Reduction in run off (cu.m)	**Area treated# (ha)**	**Water level (m)**		**Production (quintal)**		**Income (Rs.)**		**Mandays generated**					**No. of beneficiaries**					
		Pre-project	**Post project**	**Pre-project**	**Post project**	**Pre-project**	**Post project**	**SC**	**ST**	**Others (Men)**	**Women**	**Total**	**SC**	**ST**	**Others**	**Women**	**Total**
NA	354	NA	NA	Paddy= 18 Qtls.	Paddy= 33 Qtls.	22000	40000	-	7910	-	5274	**13184**	-	50	-	34	84
				Maize =15 Qtls	Maize =20Qtls	10000	14300										

4.2.10 Details of activities connected with vegetative cover in watershed works:

1	2	3	4			5			6	7				8			
District	Project	Name of structure/ work	Type of treatment			Type of land			Executing agency	Target				Achievement			
			(i) Ridge area (R)	(ii) Drainage line (D)	(iii) Land dev. (L)	(i) Private	(ii) Community	(iii) Others (pl. specify)	(i) UG (ii)SHG (iii) Others (pl. specify)	Area (ha)	No. of plants	Estimated cost (Rs. in lakh)	Expected month & year of comple-tion (mm/ yyyy)	Area (ha)	No. of plants	Expendi-ture incurred (Rs. in lakh)	Actual month & year of comple-tion (mm/ yyyy)
WGH	WGH IWMP-VIII	Improvement of degraded forest	R		C		C		UG/SHG/ WC	15 Ha		0.54	3 yrs				
		Rubber Plantation	R		C	P			UG/SHG/ WC	62Ha		5.456	3 yrs				
		Arecanut Plantation	R		C	P			UG/SHG/ WC	40 Ha		3.52	3 yrs				
		Total								**117**		**9.516**					

in case two or more activities are executed over same area, the figures in area treated should be accounted only once and should reflect only the actual watershed area treated.

4.2.11 Details of vegetative structures in watershed works: Phase – II (contd.):

9															
Outcomes															
Reduction in run off (cu.m)	**Production (quintal)**		**Income (Rs.)**		**Mandays generated**					**No. of beneficiaries**				
	Pre-project	**Post project**	**Pre-project**	**Post project**	**SC**	**ST**	**Others**	**Women**	**Total**	**SC**	**ST**	**Others**	**Women**	**Total**
NA					-	-	-	-						

4.2.12 Details of allied / other activities:

1	2	3	4			5	6		7	
District	**Project**	**Name of activity**	**Type of land**			**Executing agency**	**Target**		**Achievement**	
			(i) Private	**(ii) Community**	**(iii) Others (landless)**	**(i) UG (ii)SHG (iii) Others (pl. specify)**	**Estimated cost (Rs. in lakh)**	**Expected month & year of completion (mm/yyyy)**	**Expendi-ture incurred (Rs. in lakh)**	**Actual month & year of completion (mm/yyyy)**
West Garo Hills	W.G.H IWMP-VIII	Kitchen Garden		-	L	Landless	2.95	3 Yrs.		
		Carpentry	-	-	L	Landless	0.250			
		Fishery cum piggery unit.	-	C	-	SHG / UG	0.75	3 Yrs.		
		Rice- mill	-	C	-	SHG	.50			
		Piggery	-	C	-	SHG / UG	1.50	3 Yrs.		
		Poultry	-	C	-	SHG / UG	1.20	3 Yrs.		
		Supply Of Fingerlings	-	-	-	SHG / UG	0.30	3 Yrs.		
		Group Rubber Poly Bag Nursery	-	C	-	SHG / UG	5.50	3 Yrs.		
		Tailoring	-	-	L	SHG	0.8			
		Dug out pond	-	-	L	Landless	3.5	3Yrs		
TOTAL							**17.25**			

Contd.)

* from column no. 2, no. of States; from column no. 3, no. of Districts; from column no. 4, total no. of Projects; from column no. 5, activity-wise totals, from column no. 6, type-wise totals, from coulmn no. 7, agency-wise totals, from column no. 8, total estimated cost, from column no. 9, total expenditure incurred, structure-wise no. of completed works, from column no. 10, item-wise totals, for the entire country may be indicated at the end of the table
@The activities given in this column are merely indicative and States are free to choose any other activity suited to the project area.

4.2.13 Details of allied / other activities:

8											
Outcomes											
Income (Rs.)		**Mandays generated**					**No. of beneficiaries**				
Pre-project	**Post project**	**SC**	**ST**	**Others (MEN)**	**Women**	**Total**	**SC**	**ST**	**Others**	**Women**	**Total**
				4140	2760	**6900**					

4.3 Consolidation and withdrawal phase

Details of activities in the CPRs in the project areas

1	2	3	4	5	6				7						
					Target				Achievement						
Names of the Districts	Names of projects	Name(s) of the villages	CPR particulars	Activity proposed	Target Area under the activity (ha)	Estimated expenditure (Rs.)	Expected no. of beneficia-ries	Estimated contri-bution to WDF (Rs.)	Area treated under the activity (ha)	Expenditure incurred (Rs.)	Actual no. of benefici-aries	No. of mandays			WDF collected (Rs.)
												SC	ST	F	
West Garo Hills	WGH IWMP VIII	Kilmangittim kalamati		Repairing Maintenance Of CPR's		1.75		8500							

CHAPTER V

PROJECT PHASING & BUDGETING

CHAPTER V

PROJECT PHASING & BUDGETING

ACTION PLAN OF RIMJONG WATERSHED UNDER IWMP TERRITORIAL DIVISION: TURA

Name of District :- West Garo Hills — No. of Villages: 2 nos

Name of C&RD Block:- SELSELLA — Project Area : 500 Ha

Sl. No	Activities	Ist Year(6%)		IInd Year(14%)		IIIrd Year(50%)		IV Year(25%)		V Year(5%)		Total(in lakhs)	
		Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	**MANAGEMENT COST:**												
A	**Administrative Cost:-10%**			2%		5%		3%				10%	
i	Honourarium of WDT Members @ Rs.8000/- month-1 no.				0.96		0.96		0.96				2.88
ii	Honourarium of Watershed Committee Chairman @500/ month				0.02		0.06		0.02				0.09
iii	Honourarium of WCM @ Rs. 200/Members/month for 9 nos.				0.036		0.216		0.072				0.324
iv	Honourarium of Charter Accountant				0.15		0.15		0.15				0.45
v	TA/DA/ of Field Asst. @ 5000/- month				0.05		0.60		0.20				0.85
vi	Hiring charges of office building @ 1000/ month				0.02		0.12		0.12				0.26
vii	Hiring charges of vehicle @ 5000/ month				0.10		0.60		0.20				0.90
viii	Office expenses, POL, Stationeries, Printing of SHG's books, pamphlets, tea, snacks ets, cost of camera.				0.174		1.044		0.528				1.746
	TOTAL OF A:			**2%**	**1.50**	**5%**	**3.75**	**3%**	**2.25**			**10%**	**7.50**
	PREPARATORY PHASE: 4%												
B	**Entry Point Activities:**	4%											
i	Construction of Spring Chamber/Ringwell @Rs60,000/- each	5 Nos.	3.00									5	3.00
	TOTAL OF B:		**3.00**										**3.00**
C	**Institution & Capacity Building : - 5%**	**1%**		**2%**		**1%**		**1%**					
i	Awareness Campaign & Capacity building of farmer	1	0.20	1	0.20	1	0.20					3	0.60
ii	Exposure visits - Off Campus	1	0.35	1	0.30	1	0.35					3	1.00
iii	Capacity building of SHG's/UG's.	1	0.20	3	0.60	1	0.20	1	0.20			6	1.35

iv	Capacity building of WC Members.			1	0.20			1	0.35			2	0.40
v	Capacity building of WDT/WV			1	0.20			1	0.20			2	0.40
	Total of C:		**0.75**		**1.50**		**0.75**		**0.75**				**3.75**
	Total of C:		1%										
D	**Detailed Project Report: 1%**		0.25										0.25
i	Cost of Resources Inventories works		0.10										0.10
ii	Cost of PRA Exercises		0.25										0.25
iii	Cost of Land use Survey works		0.15										0.15
iv	Cost of formulating		0.75										0.75
	Total of D:												
E	**Monitoring & Evaluatio: 2%**												
i	Cost of Monitoring			0.2%	0.15	0.5%	0.375	0.3%	0.225			1%	0.75
ii	Cost of Evaluation			0.3%	0.225	0.5%	0.375	0.2%	0.15			1%	0.75
	Total of E:				**0.375**		**0.75**		**0.375**				**1.50**
	TOTAL OF I (A - E)		**4.50**		**3.375**		**5.25**		**3.375**				**16.50**
II	PROJECT COST WATERSHED WORKS PHASE: 50%												
A	**Arable Land Treatment:**												
i	Wet terrace@20000/ ha23 ha			2	0.4	20	4	1	0.2			23	4.6
ii	Rubber plantation pre-works @5900/ha-62 ha			10	0.59	52	3.07					62	3.658
	1st yr. planting @Rs.2900/ha					10	0.29	52	1.508				1.798
iii	Arecanut plantation pre-works @Rs5900/ha-40 ha			10	0.59	30	1.77					40	2.360
	1st yr. planting@ 2900/ha					10	0.29	30	0.87				1.16
	TOTAL OF – A				**1.58**		**9.42**		**2.58**				**13.576**
B	**Non-Arable Land treatment:**												
i	Improvement of degraded forest@3600/15 ha			11	0.396	4	.144					15	0.54
	Total of B:				**0.396**		**.144**						**0.54**

1	2	3	4	5	6	7	8	9	10	11	12	13	14
C	**Drainage Line Treatment:**												
i	C.C.Check-Cum-Irrigation dam @2,50,000/ each - 75 Ha			1	2.5	2	5					3	7.50
ii	Stone masonery protection wall @50,000/each - 60 ha			1	.5	5	2.5					6	3.00
iii	Dug-out pond @50,000/-each -15 ha			1	.5	3	1.50	1	.5			5	2.50
iv	Water harvesting farm pond @2,50,000/- each -185 ha					3	7.50	1	2.50			4	10
v	Earthern irrigation channel @Rs. 50 /- Rm. -40 ha			298	0.15	376	0.188	94	0.047			768	0.384
	TOTAL-C				**3.649**		**16.688**		**3.047**				**23.384**
	TOTAL OF A+B+C			**7.5%**	**5.625**	**35%**	**26.25**	**7.5%**	**5.625**			**50%**	**37.50**
D	**Livelihood Activities for landless person: 10%**												
i	Tailoring@8000/- unit					5	0.40	5	0.40			10	0.80
ii	Carpentry@ 5000/- unit							5	0.25			5	0.25
iii	Kitchen garden@ 2500/-unit			30	0.75	14	0.35	74	1.85			118	2.95
iv	Dug-out pond @50,000/-each -5 ha					3	1.5	4	2.00			7	3.5
v	**Total of D:**			**1%**	**0.75**	**3%**	**2.25**	**6%**	**4.50**			**10%**	**7.50**
	Production system and Micro Enterprises (SHG's) - 13%												
E	Piggery unit @Rs.30,000 /- per unit			1	0.30	1	0.30	3	0.90			5	1.50
i	Poultry unit @Rs.30,000 /- per unit							4	1.20			4	1.20
ii	Fishery cum piggery unit @ Rs. 25000/- each			1	0.25			2	.5			3	0.750
iii	Supply of fingerlings @10000 /- per unit			2	0.2			1	0.10			3	0.3
iv	Rubber budded poly bag nursery @25/- per plant					13,800	3.45	8200	2.05			22,000	5.50
v	**Rice mill**							**1**	**.5**				
	Total of E:			**1%**	**0.75**	**5%**	**3.75**	**7%**	**5.25**			**13%**	**9.75**
	Total of D:			**1%**	**0.75**	**3%**	**2.25**	**6%**	**4.50**			**10%**	**7.50**

1	2	3	4	5	6	7	8	9	10	11	12	13	14
F	**Consolidation & Exit Phase:**												
i	Repairing maintanance of CPR's										1.75		1.75
ii	Improveing the sustainability of various intervention										1.00		1.00
iii	Documentation of successful experience and preparation of complation report										1.00		1.00
	Total of F:										**3.75**		**3.75**
	Total of II (A+B+C+D+E+F)				7.125		32.25		15.375		3.75		58.50
	Grand Total (I+II)	**6%**	**4.50**	**14%**	**10.50**	**50%**	**37.50**	**25%**	**18.75**	**5%**	**3.75**	**100%**	**75.00**

CHAPTER V

PROJECT PHASING & BUDGETING

VILLAGE WISE ACTION PLAN OF RIMJONG WATERSHED UNDER IWMP – VIII, TERRITORIAL DIVISION : SHILLONG.

Name of District :- West Garo Hills
Name of C&RD Block :- Selsella

Name of village – GALAMATI
Project Area – 500 Ha.

Sl. No	Activities	1		2		3		4		5				TOTAL	
		Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**
I	**WATERSHED WORKS PHASE :**														
A.	**Arable Land Treatment:**														
i.	Wet terrace @ 20000/-23 ha.	2	0.4	10	2									12	2.4
ii.	Rubber plantation pre-works @5900/- 20 ha.					22	1.298							22	1.298
iii	Rubber plantation 1st year plantation @ 2900/- ha							52	1.509					52	1.509
iv	Arecanut plantation pre-works @5900(15 ha)			10	0.59									10	0.59
v	Arecanut plantation 1st year plantation @2900/- 10ha					10	0.29							10	0.29
B.	**Non- Arable Land Treatment:**														
i.	Improvement of degraded forest @3600/- (ha -5)					4	1.44							4	1.44
C	**Drainage Line Treatment:**														

i	C.C.Check cum Irrigation dam @250000/- each			1	2.5									1	2.5
ii	Dug out pond @50000/- each			1	.5			1	.5					2	1
iii	Water harvesting farm pond @250000/-							1	2.5					1	2.5
iv	Earthen irrigation channel @50/ rmt					376	0.188							376	0.188
	Total of I:		**0.4**		**5.59**		**3.216**		**4.509**						**13.715**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
II.	**Livelihood Activities for landless persons:**														
i	Kitchen garden @2500/- unit			30	0.75	14	0.35							44	1.1
ii	Carpentry							5	0.25					5	0.25
iii	Dug out pond					3	1.5							3	1.5
iv	Tailoring @ Rs. 8000/-					5	0.4							5	0.4
	Total of II.:														
III.	**Production System and Micro Enterprises (SHG's):**														
i.	Poultry unit @ 30,000/- unit			1	0.3	1	0.3							2	0.6
ii	Piggery unit @350,000/- unit							2	.60					2	.60
iii	Fishery cum piggery unit @ Rs. 25000/			1	0.25									1	0.25
iv	Supply of Fingerlings @1000/- unit							1	0.1					1	0.1
v	Rubber budded poly bag nursery@ 25/- per plant							8200	2.5					8200	2.5
	Total of III:				**1.3**		**2.55**		**3.45**						**7.3**
	Grand Total														**21.015**

CHAPTER V

PROJECT PHASING & BUDGETING

VILLAGE WISE ACTION PLAN OF RIMJONG WATERSHED UNDER IWMP – VIII, TERRITORIAL DIVISION : TURA.

Name of District: West Garo Hills
Name of C&RD Block : Selsella

Name of village – Kilmangittim
Project Area – 500 Ha.

Sl. No	Activities												
		Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**15**	**16**
I	**WATERSHED WORKS PHASE**											-	-
A.	**Arable Land Treatment:**											-	-
i.	Wet terrace @ 20000/-11 ha.					10	2	1	0.2			11	2.2
ii.	Rubber plantation pre-works @5900 ha.			10	0.59	20	1.77					30	2.36
iii	Rubber plantation 1st year plantation2900/- ha					10	0.29						0.29
iv	Arecanut plantation pre-works @ 5900 (25 ha)					30	1.77					30	1.77
v	Arecanut plantation 1st year plantation @/- ha							30	0.87			30	0.87
B.	**Non- Arable Land Treatment:**												
i.	Improvement of degraded forest @3600/- (ha -10)			11	0.396							11	0.396
C	**Drainage Line Treatment:**												
i	C.C.Check cum Irrigation dam @250000/- each					2	5					2	5
ii	**Stone masoury protection wall @ 50000/- each**			1	.5	5	2.5					6	3

iii	Dug out pond @50000/- each					3	1.5					3	1.5
iv	Water harvesting farm pond @250000/-					3	7.5					3	7.5
v	Earthen irrigation channel @50/ rmt			298	0.15			94	0.047			392	0.197
	Total of I:				**1.636**		**22.33**		**1.117**				**25.083**

1	2	3	4	5	6	7	8	9	10	11	12	15	16
II.	**Livelihood Activities for landless persons:**												
i	Kitchen garden @2500/- unit							74	1.85			74	1.85
Ii	Dug-out Pond @50,000/- each							4	2			4	2
iii	Tailoring @ Rs. 8000/- unit							5	0.4			5	0.4
	Total of II.:												
III.	**Production System and Micro Enterprises (SHG's):**												
i.	Poultry unit @30,000/- unit							3	0.9			3	0.9
ii	Piggery unit @ 30,000/- unit							2	.6			2	.6
iii	Fishery cum piggery unit @ Rs. 25000/							2	0.5			2	0.5
iv	Supply of Fingerlings @10000/- unit			2	0.2							2	0.2
v	Rubber budded poly bag nursery@ 25/- per plant					13800	3.45					13800	3.45
	Total of III:				**0.2**		**3.45**		**6.25**				**9.9**
	Grand Total												**34.983**

Details of the types of areas covered under the IWMP Programme:

1	2	3	4	5	6		7	8	9	10				11				
SL No	Name of State	Name of Districts	Names of Projects	Year of sanction	Project duration (dd/mm/yyyy)		Area of the projects	Project cost (Rs. In lakh)	Names of Micro watersheds & Code nos. (as per DoLR's unique codification)	Area (ha) of the projects				Area details (ha) (falling within the projects)				
					From	To				Cultivated rainfed area	Cultivated irrigated area	Uncultivated wasteland		Pvt. Agri. Land	Forest land	Comm unity land	Others (pl. specify)	Total area (ha)
												a) Temporary fallow	b) Permanent					
1	Meghalaya	West Garo Hills	W.G.H IWMP-VIII		2010	2015	500	75	Rimjong	-	485	15	-	83	15	-	402	**500**

Fund provision for the IWMP projects from all sources:

1	2	3		4										5
District	Name of Projects	IWMP Fund		Funds from other sources in addition to IWMP funds										Total
				Convergence funds		PPP		Community		Institutional finance		Others (Pl. specify)		
		Central Share	State Share	Name of Scheme	Amount (Lakhs)	Name of private sector	Financial contri-bution	Name	Financial contri-bution	Name	Financial contri-bution	Name	Financial contri-bution	
Meghalaya	W.G.H IWMP-VIII	67.5	7.5	NREGS	22.801	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	**97.801**

Details of Project Fund Accounts of Distt. Agency and Watershed Committees:

1	2	3	4	5				6				
				Distt. Agency's Project Account details				Watershed Committee (WC) account details:				
Sl. No.	Names of States	Name of Districts	Names of Projects	Name of the Bank and Branch where project account has been opened	Account Number (to be obtained confiden-tially)	Account type (Savings/ Current/ Others)	Name & Designation of authorized persons who operate the account.	Name of Watershed Committee	Name of the Bank and Branch where project account has been opened	Account number (to be obtained confiden-tially	Account type (Savings/ current others)	Name & Designation of authorized persons who operate the account.
1	Megha laya	W.G.H	W.G.H IWMP-VIII	Tura Axis Bank	911020014 148197	Current	Chairman W.C Secretary W.C Project Leader/W DT	Rimjong	Tura Axis Bank	91102001 4148197	Current	Chairman W.C Secretary W.C Project Leader/WD T

Public-Private Partnership in the IWMP projects: NIL

1	2	3	4			5		6	7	8	9
District	**Name of project**	**Name of Private Sector Partner Agency**	**Type of agreement signed**			**Financial contribution**		**Partnership Interventions**	**Expected Outcomes**	**Actual Outcomes**	**Comments**
			a)MoU	**b)Contract**	**c) Any other (pl. specify)**	**IWMP**	**Private sector**				
WGH	WGH IWMP VIII	NIL	NIL			NIL	NIL	NIL	NIL	NIL	NIL

***** from Column no. 2, total no. of States implementing the programme, from Column no. 3, total no. of Districts; from Column no. 4, total no. of projects under PPP; from Column no. 5, total no. of private companies/ agencies, from column no. 7, total amounts may be mentioned at the end of the table for the entire country.

CHAPTER VI
CAPACITY BUILDING

CHAPTER VI
CAPACITY BUILDING

Capacity Building is a process to systematically upgrade the skill of individuals or groups for achieving a specific target. Capacity building in the project has been planned for all the stake holders involved i.e. State Level, District Level, Project Level and Village Level. The relevant details pertaining to Capacity Building has been shown below.

Table 6.1: List of approved Training Institutes for Capacity Building:

1	2	3	4	5	6	7	8	9				
S. No	State	Name of the Training Institute	Full Address with contact no., website & e-mail	Name & Designation of the Head of Institute	Type of Institute[#]	Area(s) of specialization[$]	Accre-ditation details	Performance				
								Refer-ence Year	No. of trainings assigned	No. of trainees to be trained	No. of trainings conducted	No. of trainees trained
1	Meghalaya	NIRD (NER)	Guwahati	Director	Central Govt.	Remote Sensing, Rural Devt.	NA	-	-	-	-	-
2		SIRD	Nongsder	Director	State Govt.	Capacity Building	NA	-	-	-	-	-
3		RRTC	Umran Meghalaya	Director	Don-Bosco	Agri-Horti, Animal Husbandry, Entrepreneurship	NA	-	-	-	-	-
4		ICAR	Umiam / Tura Meghalaya.	Director	Central Govt.	Do	NA	-	-	-	-	-
5		MRDS	Shillong	Director	State Govt.	Animal Husbandry	NA	-	-	-	-	-
6		NEHU	Tura / Shillong	Director	Central Govt.	Agri-Horti, Fruit Processing	NA	-	-	-	-	-

- From Column no. 2, total no. of States implementing the programme, from Column no. 3, no. of training institutes, from column No. 9, total no. of category-wise trainings and trainees may be given at the end of the table for the entire country
- # Central govt. Dept./ State govt. Dept./ Autonomous Body/ Research Institutes/ Universities/ Others (pl. specify)

$ Capacity Building/ Agriculture/ Horticulture/ Animal Husbandry/ Pisciculture/ Remote Sensing/ Water conservation/ Ground water/ Forestry/ livelihoods/ entrepreneurship development/ others (pl. specify)

@ The training institutes must fulfill the conditions mentioned in the operations guidelines.

(i) Technical experts in fields required by IWMP
(ii) Past experiences
(iii) Annual Turnover
(iv) Receives funds either from the Central or State Government
(v) Publications
(vi) Not blacklisted by any Govt. organizations
(vii) Audited accounts
(viii) Organizational structure

Table 6.2: Capacity Building activities for the year 2010 – 11 as on 31/03/2010 (dd/mm/yyyy)*

1	2	3	4	5	6		7	
Project Stakeholders	**Total no. of persons**	**No. of persons trained so far**	**No. of persons to be trained during current financial year**	**No. of persons trained during current financial year**	**Sources of funding for training**		**Funds utilized (Lakhs)**	
					a) DoLR	**b) Any other (Pl. specify)**	**a) DoLR**	**b) Any other (Pl. specify)**
PIAs	10	NIL	10	NIL	3.75	NIL	.75	NIL
WDTs	4	NIL	4	NIL				
UGs	40	NIL	40	NIL				
SHGs	50	NIL	50	NIL				
WCs	10	NIL	10	NIL				
GPs	NIL	NIL	NIL	NIL				
Community	218	NIL	109	NIL				
Others Pl. specify)								
TOTAL	**232**	**0**	**223**	**0**	**3.75**	**0**	**.75**	**0**

Table 6.3: Information, Education & Communication (IEC) activities for the year 10-11 as on 31/03/10 (dd/mm/yyy)*

	1	2	3	4	5
	Activity	**Executing agency**	**Estimated expenditure (Rs.)**	**Expenditure incurred (Rs.)**	**Outcome (may quantity, wherever possible)**
1.	Awareness	S&WC (T) Division	0.40		a) Better understanding of Project Concept. b) Preview of Project achievement.
3.	Exposure Visits	S&WC (T) Division	0.95		
4.	Capacity Building	S&WC (T) Division	0.20		
			1.55		

CHAPTER VII

EXPECTED OUTCOME

CHAPTER VII
EXPECTED OUTCOME

Table 7.1 Employment related outcomes :-

Sl No	Name of Village	1										2				
		Wage employment										Self employment				
		No. of mandays					No. of beneficiaries					No. of beneficiaries				
		SC	ST	Others	Women	Total	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total
1.	Kilmangittim		13818	-	7952	21770	-	50	-	32	82	-	-	-	-	-
2.	Kalamati		5922	-	3408	9330	-	30	-	19	49	-	-	-	-	-
TOTAL			**19740**	**-**	**11360**	**31100**	**-**	**80**	**-**	**51**	**131**	**-**	**-**	**-**	**-**	**-**

Table 7.2 Migration Details :-

1	2	3	4	5	6	7	8	9	10	
Names of the Districts	Names of Projects	Name of village	No. of persons migrating	No. of days per year of migration	Major reason(s) for migrating	Distance of destination of migration from the village (km)	Occupation during migration	Income from such occupation (Rs. in lakh)	For reduced migration identify major activities of IWMP responsible	
									(a) Structures	(b) Livelihoods
				N	I	L				

* From column no. 2, total number of States; from column no. 3, total no. of Districts; from column no. 4, total no. of projects; from column no. 5, total no. of villages; from column no. 6, total no. of persons migrating; from column no. 7, average no. of days for annual migration; from column no. 9, average

distance of migration from the village and form column no. 11, average income from occupation during migration, for the entire country may be given at the end of the Table.

Table 7.3 Economic benefits accrued to women:

1		2		3		4
Wages		**Training**		**Livelihoods**		
Woman days	**Amount (Rs. in lakh)**	**No. of women participants**	**Amount (Rs. in lakh)**	**No. of women beneficiaries**	**Value of assistance provided (Rs. in lakh)**	**Total (Rs. in lakh)**
16140	6.64	82	1.5	20	3	11.14

* from Column no. 2, total no. of States implementing the programme, from Column no. 3 to 6, category-wise totals, may be mentioned at the end of the table for the entire country.

Table 7.4 Details of rights conferred in the CPRs of the project areas:

1	2	3	4	5	6	7				8
Names of the Districts	**Names of the projects**	**Names of the villages**	**Particular of CPR**	**Nature of right**	**Period of right**	**Beneficiary details (no. of families)**				**User Charges (Rs.)**
						SC	**St**	**Others**	**Total**	
Meghalaya	W.G.H IWMP-VIII	Kalamati	Reserved forest	FW/MFP/ T	Unpurified					NIL
		Kilmangittim	Spring Chamber	Wd	Unpurified					NIL
			Check dam	Wi	Unpurified					NIL
			Conservation pond.	Wi	Unpurified					NIL

* From column no. 2, no. of States; from column no. 3, no. of Districts; from column no. 4, no. of projects; from column no. 5, no. of villages; from column nos. 9 & 10, particular-wise totals for the entire country may be given at the end of the table.
@ In column no. 6, the categories given in table no. M(SP) 10, column 5 may be filled as required.

In column no. 7, only the letter assigned to each type, as given below, needs to be typed.

F	for right to	fishing [culture, harvest and sale]
Fw	for right to	collect firewood for domestic purposes
G	for right to	grazing for cattle and
MFP	for right to	collect and sell minor forest produces
P	for right to	passage across the CPR
Rd	for right to	construct a road for access to individual property
S/M	for right to	collect and sell sand and minerals
T	for right to	collect timber for construction of house
Wd	for right to	collect/ use water for drinking
Wi	for right to	use water for irrigation
O	for any right other than indicated above (please specify)	

Table 7.5 Water related outcomes:

Table 7.5.1 Details of average ground water table depth in the project areas of the Country: State-wise * (in metres)

1	2	3	4	5	6	7	8
Names of Districts	**Names of Projects**	**Sources**	**Pre-Project level**	**Mid-term project level**	**Post-Project level**	**Increase/decrease (Col. 8 – Col. 6)**	**Remarks**
Meghalaya	W.G.H IWMP-VIII	Open Well	NA	NA	NA	NA	NA
		Bore Well	NA	NA	NA	NA	NA
		Other (specific) Spring	NA	NA	NA	NA	NA

* From column no. 2, total number of States; from column no. 3, total no. of Districts; from column no. 4, total no. of projects, from column nos. 6 to 9, the average measurements, category-wise, for the entire country may be given at the end of the table. The data must be based on the average of the Ground Water Table collected by PIA with the help of concerned technical expert in the same sample of 10 % of selected wells and bore wells in the villages in the watershed project area during pre-project, mid-term and post-project periods.

Table 7.5.2 Status of Drinking water:

1	2	3			4			5
District	**Name of the project**	**Availability of drinking water (no. of monyhs in a year)**			**Quality of drinking water**			**Comments**
		Pre-project	**Post-project**	**Change in availability**	**Pre-project**	**Post-project**	**Change in quality**	
Meghalaya	WGH IWMP-VIII	Insufficient	Sufficient	10-12 Months	Moderate	Improved	Improved	

* From column no. 2, total number of States implementing the programme, from column no. 3, total no. of Districts; from column no. 4, category-wise no. of projects, from column no. 5, average no. of months may be given at the end of the table for the entire country.

Table 7.5.3 Water Use efficiency:

1	2	3	4			
District	**Name of the project**	**Name of major crop**	**Water savings in cu.m.**			
			through water saving devices[$]	**through water conserving agronomic practices[#]**	**Any other (pl specify)**	**Total**
W.G.H	WGH IWMP-VIII	Paddy	NA	NA	NA	-
		Maize	NA	NA	NA	-

* From column no. 2, total number of States implementing the programme, from column no. 3, total no. of Districts; from column no. 4, total no. of projects, from column no. 6, practice-wise totals may be mentioned at the end of the table for the entire country.
[$] Sprinkler, Drip, PVC pipe, etc.
[#] Vermi-compost, organic manuring, Mulching, Check basin, Alternate furrow, Ridges & furrow & other scientific practices.

Table 7.6: Vegetation/ crop related outcomes:

Table 7.6.1 Details of Karif crop area and yield in the project areas:

1	2	3	4						5						6					
Names of the Districts	**Name of Projects**	**Name of crops**	**Pre-project**						**Mid-term**						**Post-project**					
			Area (ha)		**Average Yield (Qtl) per ha.**		**Total Production (Qtl)**		**Area (ha)**		**Average Yield per ha (Qtl)**		**Total Production (Qtl)**		**Area (ha)**		**Average Yield per ha (Qtl)**		**Total Production (Qtl)**	
			Irri	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**
W.G.H	WGH IWMP-VIII	Paddy	-	142.97	-	12	-	1715.64	-	62.1	-	15	-	931.5	167.07	38	16	15	2673.12	570
		Maize	-	40	-	26	-	1040	-	33	-	24	-	792		33		24	-	792
		Vegetable	-	5	-	30	-	150	-	5	-	30	-	150	6	4	36	30	216	150
		Total	**-**	**187.97**	**-**	**68**	**-**	**2905.64**	**-**	**100.1**	**-**	**69**	**-**	**1873.5**	**173.07**	**75**	**52**	**69**	**2889.12**	**1512**

* From column no. 2, total number of States; from column no. 3, total no. of Districts; from column no. 4, total no. of projects, from column no. 5, total no. of crops; from column no. 6 to 8, the totals for the area, average yield per ha and total production, category-wise, for the entire country may be given at the end of the Table.
Irri. – Irrigated Rf – Rainfed

Table 7.6.2 Details of Rabi crop area and yield in the project areas:

1	2	3	4	5	6						7						8					
Sl No.	Names of States	Names of the Districts	Name of Projects	Name of crops	Pre-project						Mid-term						Post-project					
					Area (ha)		Average Yield (Qtl) per ha.		Total Production (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)	
					Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.
	Meghalaya	West Garo Hills	WGH IWMP - VIII	Paddy	-	-	-	-	-	-	-	136.6	-	15	-	2049	197	-	15	-		-
				Vegetables	-	-	-	-	-	-	-	6	-	36	-	216	6	-	36	-		-
				Total			-	-	-	-	-	**142.6**	-	**51**	-	**2265**	**203**	-	**51**	-		-

* From column no. 2, total number of States; from column no. 3, total no. of Districts; from column no. 4, total no. of projects, from column no. 5, total no. of crops; from column no. 6 to 8, the totals for the area, average yield per ha and total production, category-wise, for the entire country may be given at the end of the Table.

Irri. – Irrigated Rf – Rainfed

Table 7.6.3 Details of Zaid crop area and yield in the project areas of the Country: State-wise:

1	2	3	4	5	6						7						8					
Sl No.	Names of States	Names of the Districts	Name of Projects	Name of crops	Pre-project						Mid-term						Post-project					
					Area (ha)		Average Yield (Qtl) per ha.		Total Production (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)	
					Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.
	Meghalaya	West Garo Hills	WGH IWMP VIII		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* From column no. 2, total number of States; from column no. 3, total no. of Districts; from column no. 4, total no. of projects, from column no. 5, total no. of crops; from column no. 6 to 8, the totals for the area, average yield per ha and total production, category-wise, for the entire country may be given at the end of the Table.

Irri. – Irrigated Rf – Rainfed

Table 7.6.4 Increase/ Decrease in area under fodder:

1	2	3	4			5		
			Existing area under fodder (ha)			Achievement (ha)		
District	Name of project	Duration of Project	Source/Name of report	Year of reference	Area already under fodder	Area under fodder proposed to be covered through IWMP	Area under fodder actually covered through IWMP	Change in area under fodder
W.G.H	W.G.H IWMP-VIII	5 yrs	NA	NA	NA	NIL	NIL	NIL

* From column no. 2, total number of States implementing the programme, from column no. 3, total no. of Districts; from column no. 4, total no. of projects, from column nos. 6 & 7, total area in ha may be given at the end of the table for the entire country.

Table 7.6.5 Increase/ Decrease in Forest/vegetation cover:

1	2	3	4			5		
			Existing area tree cover (ha)			Achievement (ha)		
District	Name of project	Duration of Project	Source/Name of report	Year of reference	Area already under forest/vegetative cover	Forest/vegetative cover area proposed to be covered under IWMP	Forest/vegetative cover area actually covered under IWMP	Change in forest/vegetative cover area
W.G.H	W.G.H IWMP-VIII	5 yrs	-	-	225.04	15		240.04

From column no. 2, total number of States implementing the programme, from column no. 3, total no. of Districts; from column no. 4, total no. of projects, from column nos. 6 & 7, total area in ha may be given at the end of the table for the entire country.

Table 7.6.6 Increase/ Decrease in area under horticulture:

1	2	3	4			5		
			Existing area under horticulture (ha)			Achievement (ha)		
District	Name of project	Duration of Project	Source/Name of report	Year of reference	Area already under horticulture	Area under horticulture proposed to be covered through IWMP	Area under horticulture actually covered through IWMP	Change in area under horticulture
W.G.H	W.G.H IWMP-VIII	5 yrs			121.68	102		122.68

* From column no. 2, total number of States implementing the programme, from column no. 3, total no. of Districts; from column no. 4, total no. of projects, from column nos. 6 & 7, total area in ha may be given at the end of the table for the entire country.

Table 7.6.7 Increase/ Decrease in area under fuel-wood:

1	2	3	4			5		
			Existing area under fodder (ha)			Achievement (ha)		
District	Name of project	Duration of Project	Source/Name of report	Year of reference	Area already under fuel-wood	Area under fuel-wood proposed to be covered under IWMP	Area under fuel-wood actually covered under IWMP	Change in area under fuel-wood
W.G.H	W.G.H IWMP-VIII	5 yrs						

* From column no. 2, total number of States implementing the programme, from column no. 3, total no. of Districts; from column no. 4, total no. of projects, from column nos. 6 & 7, total area in ha may be given at the end of the table for the entire country.

Table 7.7 Livelihood related outcomes:

Table 7.7.1 Details of livestock in the project areas (for fluids please mention in liters, for solids please mention in kgs. and income in Rs.):

1	2	3	4			5			6			7
Names of the Districts	**Name of Projects**	**Type of Animal**	**Pre-project**			**Mid-term**			**Post-project**			**Remarks**
			No.	**Yield**	**Income**	**No.**	**Yield**	**Income**	**No.**	**Yield**	**Income**	
West Garo Hills	W.G.H IWM VIII	Milch-animal	97	485	14,550	97	485	14,550	-	-	-	
		Piggery	25		75000	25		75000	40		200000	
		Poultry	141		28,200	141		28,200	201		100500	
		Goatry	21	105	4200	21	105	4200				
	Total for all projects				121950			121950			300500	

* From column no. 2, total number of States; from column no. 3, total no. of Districts; from column no. 4, total no. of projects, from column nos. 5 to 8, the total nos. of animals and the average yield and incomes, category-wise, for the entire country may be given at the end of the Table.

Table 7.7.2 Details of other livelihoods created for landless people:

1	2	3	4	5				6	7					8					
				Sources of funding (Rs.)					No. of beneficiaries trained					No. of beneficiaries taking up activity				
District	Project	Name of activity	Fund required for the activity (Rs.)	Project Fund	Benefi-ciary	Others (pl. specify)	Total	Actual Expenditure incurred on activity (Rs.)	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total
		Tailoring		0.80			0.80	-	-	-	-	-		-	-	-	-	-
		Carpentry		0.25			0.25	-										
		Kitchen garden		2.95			2.95	-										
		Dug out pond		3.5			3.5	-										
								-	-	-	-	-		-	-	-	-	-

(Contd.)

* From column no. 2, total number of States; from column no. 3, total no. of Districts; from column no. 4, total no. of projects, from column no. 5, total no. of activities; from column no. 6, total funds required for the activity, from column no. 7 to 12, category-wise totals, from column no. 13, category-wise totals, for the entire country may be given at the end of the Table.

Table 7.7.3 Details of other livelihoods created for landless people:

9		10	11				12
No. of persons employed indirectly in the activity		Annual increase in income due to activity (Rs.)	Impact of livelihoods programme				Any other information (pl. Specify)
			Migration (No. of beneficiaries)		Development of backward-forward linkages		
Total	Grand Total (8+9)		Pre-project	Post-project	Pre-project	Post-project	
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

Table 7.7.4 Details of other livelihoods created for farmers:

1	2	3	4	5				6	7				8			
District	Project	Name of activity	Fund required for the activity (Rs.) in lakhs	Sources of funding (Rs.) in Lakhs				Actual Expenditure incurred on activity (Rs.)	No. of farmers trained				No. of farmers taking up activity			
				Project Fund	Benefi -ciary	Others (pl. specify)	Total		SF	MF	LF	Total	SF	MF	LF	Total
West Garo Hills	WGH IWMP VIII	Kitchen garden		2.950			2.950									
		Dug- out pond	-	1.0	-	-	1.0		-	-	-	-	-	-	-	-
		Supply of fingerlings	-	3.5	-	-	3.5		-	-	-	-	-	-	-	-
		Rubber budded poly-bag	-	5.50	-	-	5.50		-	-	-	-	-	-	-	-
		TOTAL	**-**	**12.95**	**-**	**-**	**9.75**		-	-	-	-	-	-	-	-

* From column no. 2, total number of States; from column no. 3, total no. of Districts; from column no. 4, total no. of projects, from column no. 5, total no. of activities; from column no. 6, total funds required for the activity, from column no. 7 to 12, category-wise totals, from column no. 13, category-wise totals, for the entire country may be given at the end of the Table.

Table 7.7.5 Details of other livelihoods created for farmers * (contd.)

9		10	11				12
No. of persons employed indirectly in the activity		**Annual increase in income due to activity (Rs.)**	**Impact of livelihoods programme**				**Any other information (pl. Specify)**
			Migration (No. of beneficiaries)		**Development of backward-forward linkages**		
Total	**Grand Total (8+9)**		**Pre-project**	**Post-project**	**Pre-project**	**Post-project**	
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

Table 7.8 Marketing related outcomes: Backward-Forward linkages *

1	2	3	4	5	6
District	**Project**	**Type of Marketing Facility**	**Pre-project (no.)**	**During the project (no.)**	**Post-project (no.)**
West Garo Hills	WGH IWMP VIII	**(A) Backward linkages**	NIL	NIL	NIL
		(i) Seed certification	NIL	NIL	NIL
		(ii) Seed supply system	NIL	NIL	NIL
		(iii) Fertilizer supply system	NIL	NIL	NIL
		(iv) Pesticide supply system	NIL	NIL	NIL
		(v) Credit institutions	1	2	3
		(vi) Water supply	NIL	3	3
		(vii) Extension services	NIL	NIL	NIL
		(viii) Nurseries	NIL	NIL	NIL
		(ix) Tools/machinery suppliers	NIL	NIL	NIL
		(x) Price Support system	NIL	NIL	NIL
		(xi) Labour	NIL	NIL	NIL
		(xii) Any other (please specify)	NIL	NIL	NIL
		(A) Forward linkages			
		(i) Harvesting/threshing machinery	NIL	NIL	NIL
		(ii) Storage (including cold storage)	NIL	NIL	NIL
		(iii) Road network	1	1	1
		(iv) Transport facilities	NIL	NIL	NIL
		(v) Markets / Mandis	NIL	NIL	NIL
		(vi) Agro and other Industries	NIL	NIL	NIL
		(vii) Milk and other collection centres	NIL	NIL	NIL
		(viii) Labour	NIL	5	5
		(ix) Any other (please specify)	NIL	NIL	NIL

* from column no. 2, total no. of States implementing the programme, from column no. 3, total no. of Districts; from column no. 4, total no. of projects; from column no. 6, 7 & 8, category-wise totals may be given at the end of the table for the entire country.

Table 7.9 Abstract of outcomes:

1	2	3	4	5	6	7
Sl. No.	**State**	**Item**	**Unit**	**Pre-project Status**	**Post-project Status**	**Remarks**
	Meghalaya	Status of water table		Lack of management	Improved	
		Ground water structures repaired/ rejuvenated	nil	nil	nil	
		Quality of drinking water	5 nos	unsafe	Better quality	
		Availability of drinking water	-	10 months in a year	12 months availability	
		Increase in irrigation potential	11 nos		94% irrigated	
		Change in cropping/ land use pattern	-	Single cropping	Double Cropping	
		Area under agricultural crop				
		I Area under single crop	Ha	187.97	190.56	
		Ii Area under double crop	Ha		260.90	
		Iii Area under multiple crop	Ha	nil	nil	
		Net increase in crop production area		187.97	207.70	10.5% increase in cropping area
		Increase in area under vegetation		36.50	86.50	137% increase in vegetation cover
		Increase in area under horticulture		121.68	224.68	
		Increase in area under fuel & fodder				
		Increase in milk production		NA	NA	NA
		No. of SHGs		nil	5	
		Increase in no. of livelihoods	Activities	1.) Agriculture 2) Horticulture	1. Agriculture. 2. Horticulture. 3. vegetable Cultivation. 4. Piggery. 5. Poultry.	
		Increase in income	Rs.	20000-30000	50000-60000	
		Migration	Nos	nil	nil	
		No. of school going children				
		SHG Federations formed	Nos.	nil	1	
		Credit linkage with banks	Nos.	nil	1	
		Resource use agreements	Nos.	None	a.) NOC for development work. b.) Agreements	
		WDF collection & management		None		
		Summary of lessons learnt	Nil			

Table 7.10 Cost effectiveness of structures/ activities*

1	2	3	4	5	6	7	8	9	10
District	**Name of project**	**Name of WC**	**Name of structure/ activity**	**Estimated cost (Rs.)**	**Expected quantifiable benefits (Rs.)**	**Expenditure incurred (Rs.)**	**Actual quantifiable benefit (Rs.)**	**Benefit: Cost ratio#**	**IRR**
West Gro HILLS	WGH IWMP VIII	Rimjong	As per work plan						

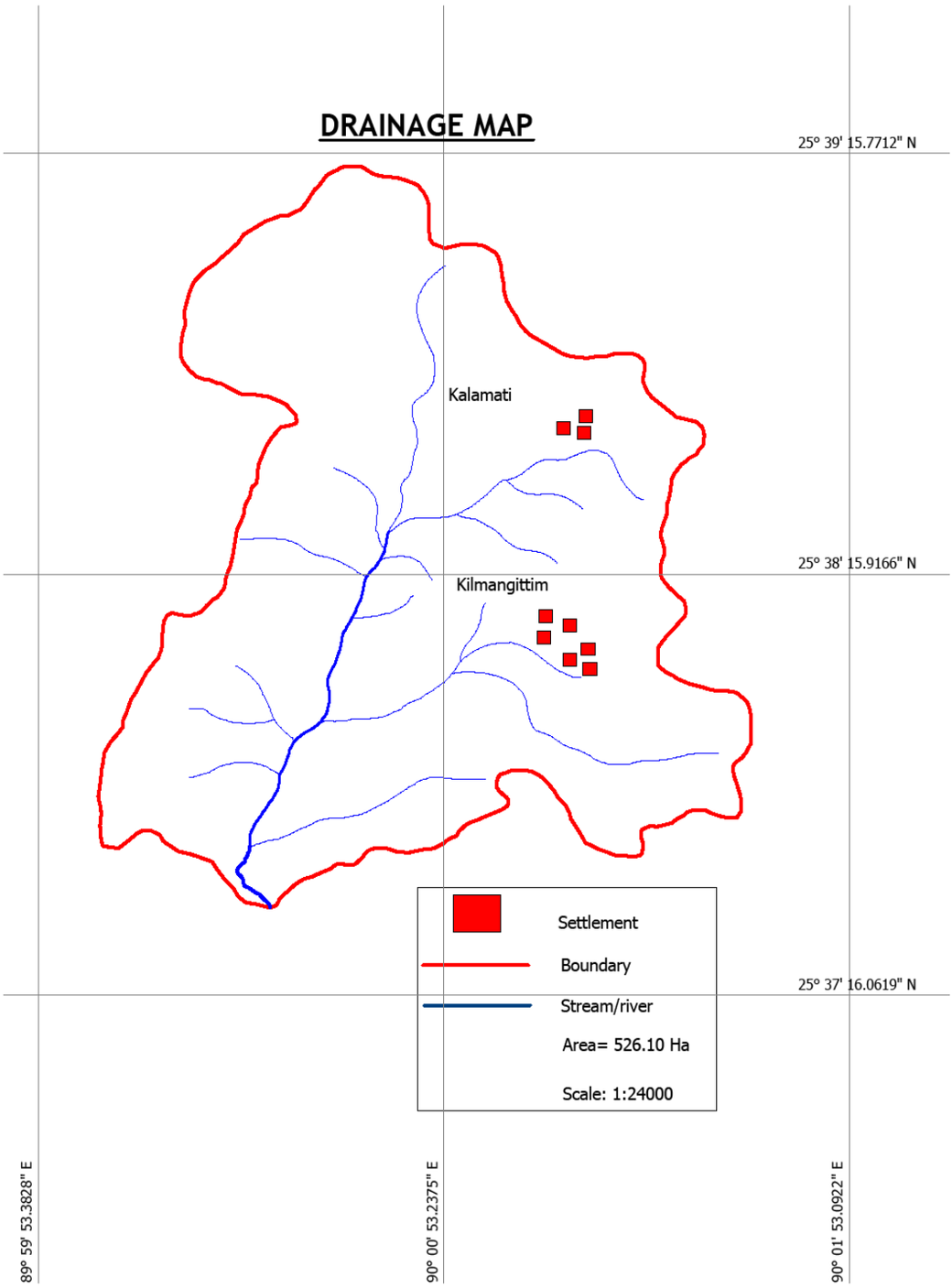
***** from column no. 2, total no. of States implementing the programme, from column no. 3, total no. of Districts; from Column no. 4, no. of projects, from column no. 5, no. of WCs, from column no. 6, no. of structures/ activities, from column no. 7 to 10, category-wise# totals, may be mentioned at the end of the table for the entire country.

B:C ratio more than 1 – cost effective
less than 1 – Not cost effective

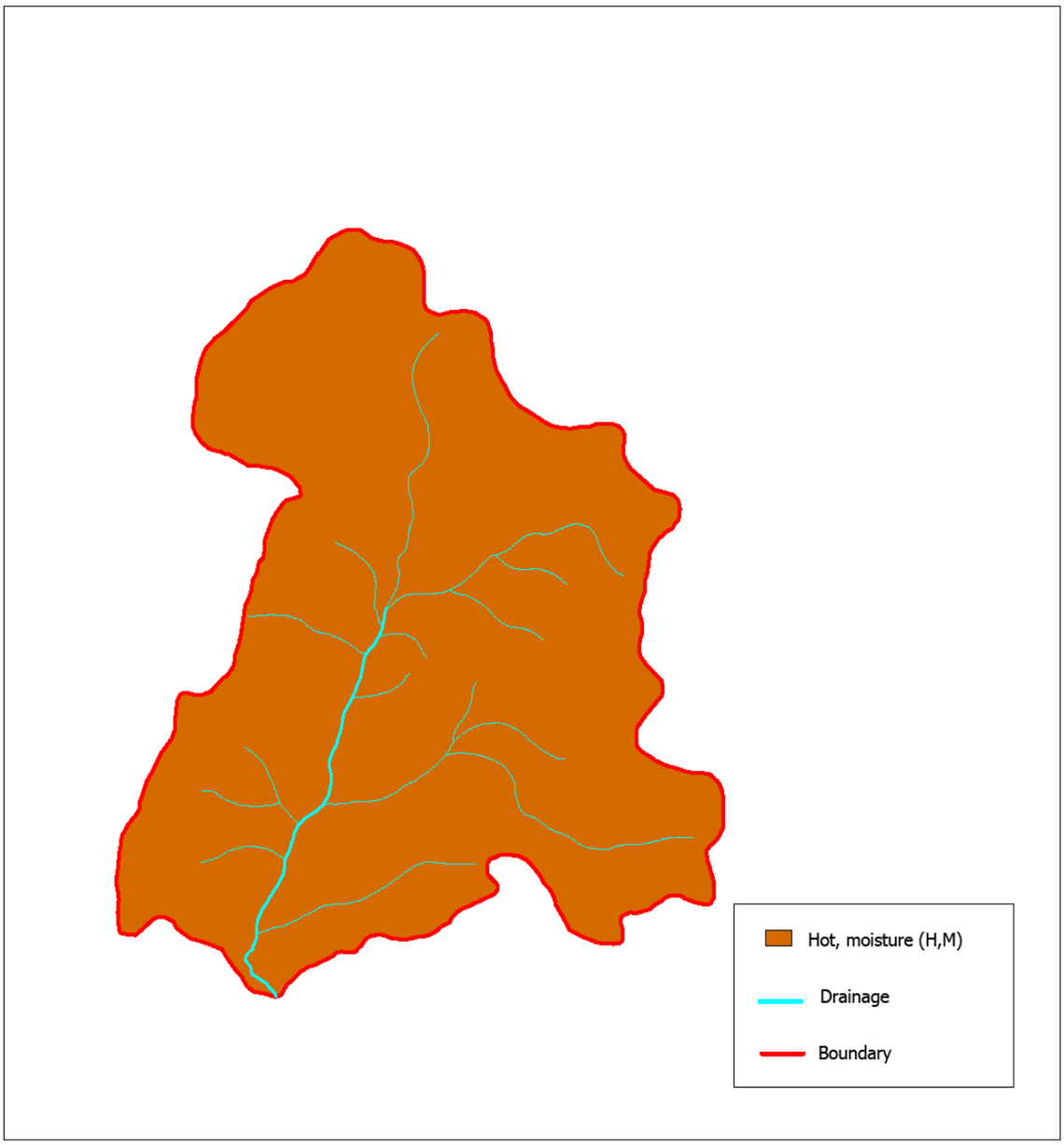
ANNEXTURE-I

MAPS

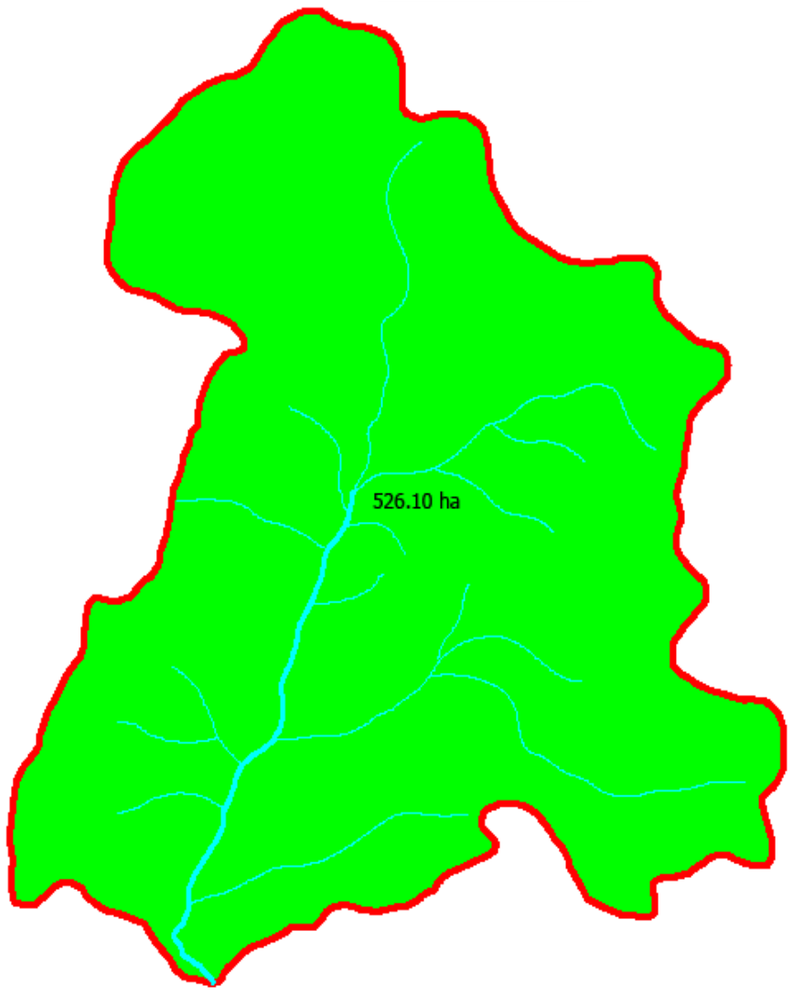
DRAINAGE MAP



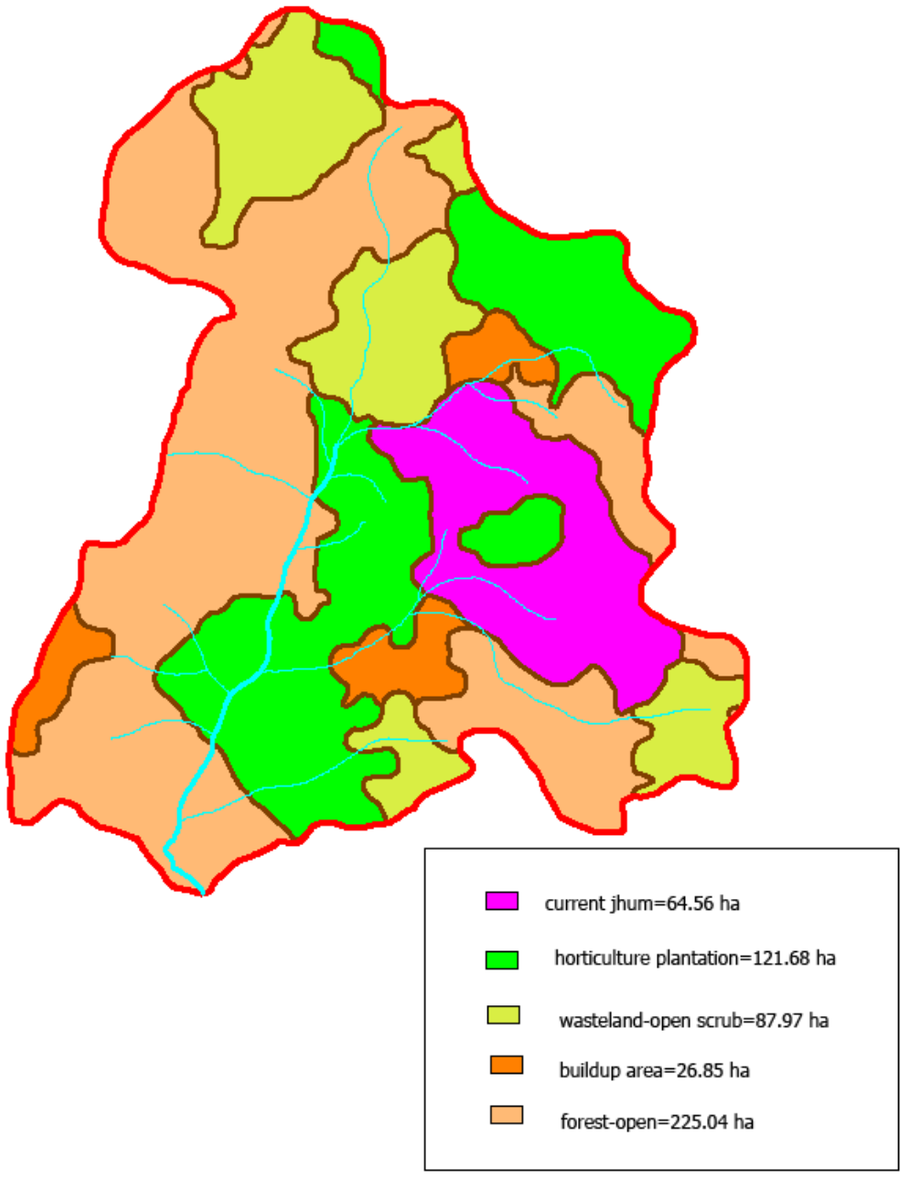
AGROCLIMATIC ZONE MAP



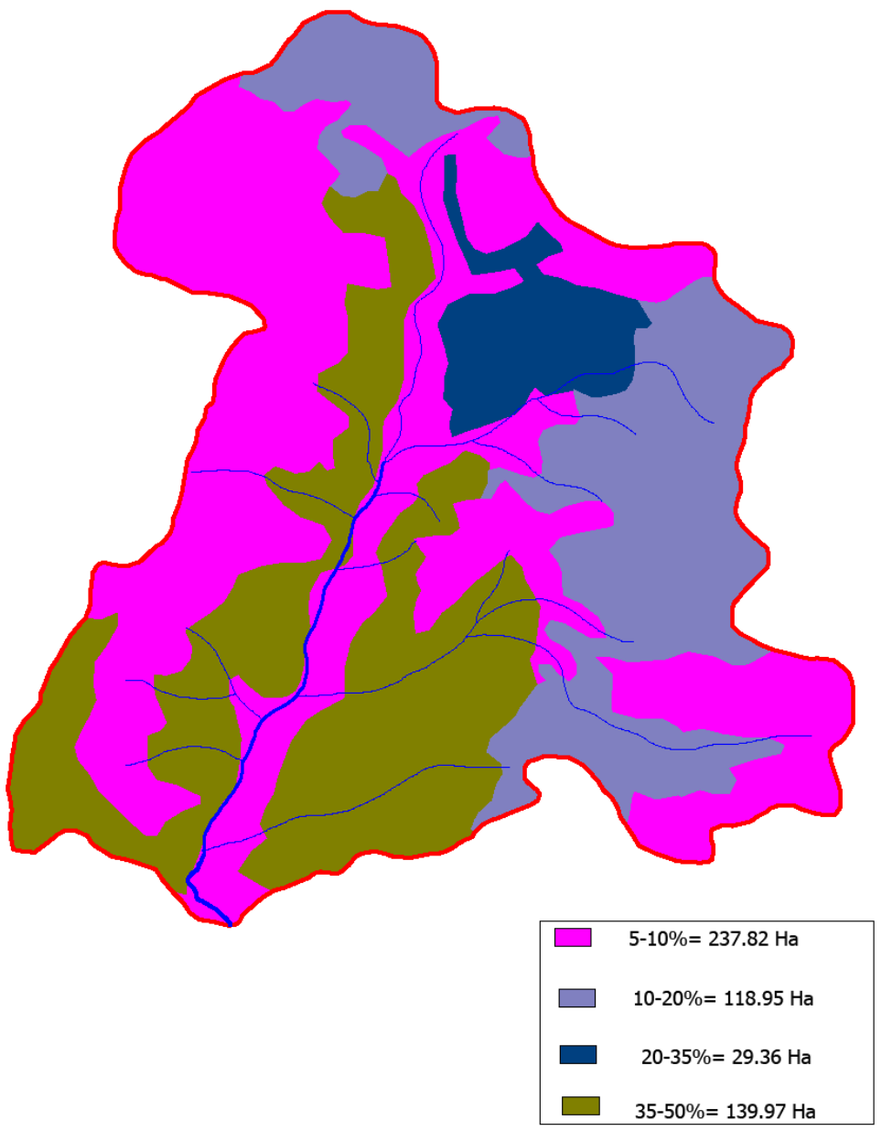
SOIL MAP



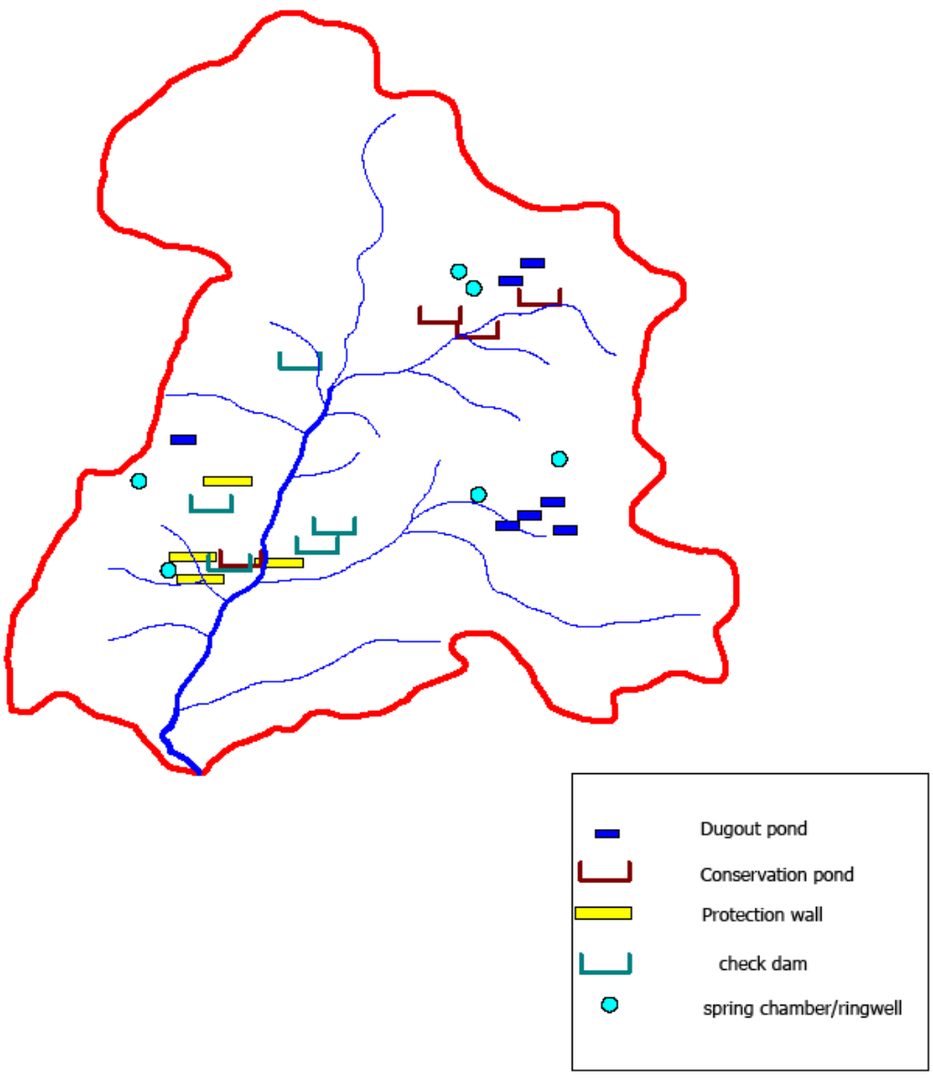
LAND USE LAND COVER MAP



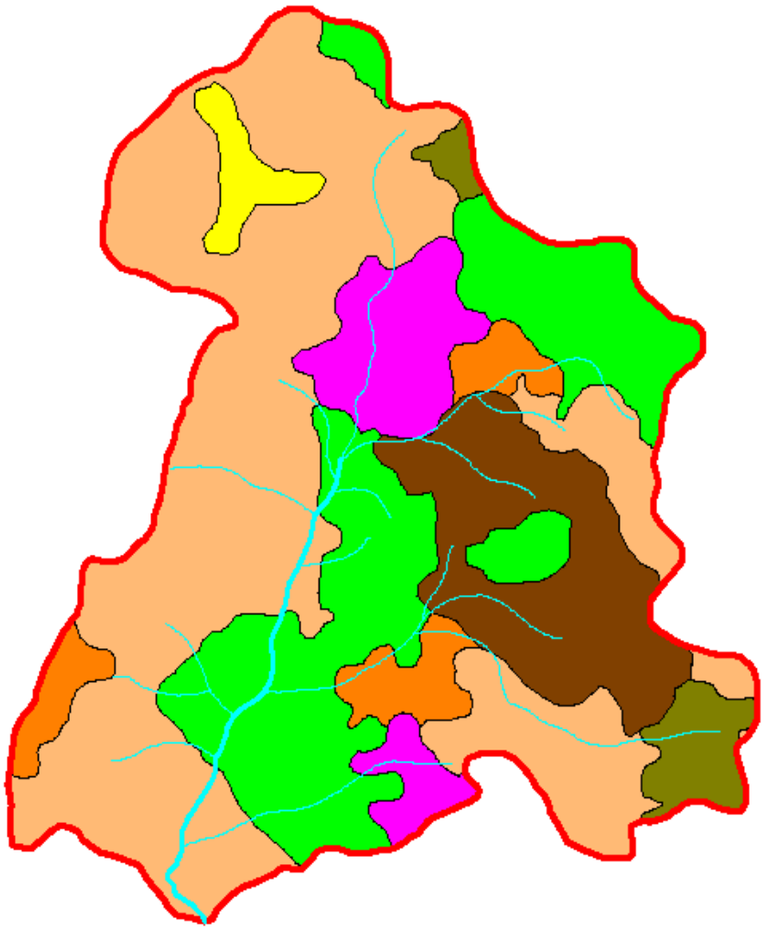
SLOPE MAP



PROPOSED ENGINEERING STRUCTURE



PROPOSED LAND USE MAP



Bench terrace
Arecanut plantation
Afforestation
Rubber plantation
buildup area
Existing horti plantation
forest-open

NNEXTURE –II

COST ESTIMATE

MODEL NORMS PER HACTARE FOR TERRACING (IWMP)

A. ***Technical Parameters .***

i) Average terrace width recommended (m)	*15.00*
ii) Vertical Interval (VI) = W x S/100 - S	*2.5*
iii) Terrace Length (m) = A/W + VI	*767.00*
iv) Earthwork = 12.50 x W x S m^3	*1200.00*
v) Shoulder Bund Length	*779.00*
vi) Shoulder Bund Length x-section (m^2)	*0.08*
vii) Earthwork for shoulder Bund (m^3)	*62.32*
viii)Area available for cultivation (Ha.)	*0.87*

B. ***Cost estimate .*** ***Amount.***

i) Jungle clearance including uprooting of stumps (L/s)		*2000.00*
ii) Cost of terracing @ Rs. 10/- m^3		*15000.00*
iii) Cost of shoulder Bund @ Rs. 7/- m^3		*850.00*
iv) Dressing, shaping and grading of terrace		*950.00*
v) Water Disposal structure (L/s)		*1200.00*
	G. Total	***20000.00***

(Rupees twenty thousand) only .

MODEL NORMS PER HA. FOR IMPROVEMENT OF DEGRADED FOREST (IWMP).

(Rate as per PWD SOR for R & B for 2008-09)

A. **Preliminary works .**

i) site clearance 3 mandays @ Rs. 100/- each	*Rs.*	*300.00*
ii) Pit digging (0.30 x 0.30 x 0.30) m 100 nos. @ Rs. 4/- each	*Rs.*	*400.00*
sub - total	***Rs.***	***700.00***

B. **I st year Planting .**

I) Cost of planting material 100 nos. @ Rs. 8/- each	*Rs.*	*800.00*
ii) Cost of planting 100 nos. @ Rs. 2/- each	*Rs.*	*200.00*
iii) Round weeding 4 times - 5 mandays @ Rs. 100/- each	*Rs.*	*500.00*
iv) Plant protection measures 4 mandays @ Rs. 100/- each	*Rs.*	*400.00*
sub-total	***Rs.***	***1900.00***

C. **II year Planting .**

i) Refilling 10%	*Rs.*	*100.00*
ii) Round weeding - 4 times- 5 mandays @ Rs. 100/- each	*Rs.*	*500.00*
iii) Plant protection measures - 4 mandays @ Rs. 100/- each	*Rs.*	*400.00*
Sub-total	***Rs.***	***1000.00***
Grand Total	***Rs.***	***3600.00***

(Rupees three thousand six hundred) only.

MODEL NORMS PER HACTARE FOR RUBBER CULTIVATION .

Spacing - (4.75 x 4.75) m
Plant density - 450 nos.

A. ***Preliminary works .***

i) Cost of seedling …. L/s…….	*Rs. 800.00*	
ii) Box terracing including pit digging (0.45 x 0.45 x 0.45) m ..L/s...		
……Rs. 1350.00		*500.00*
sub-total	***Rs. 9000.00***	***1300.00***

B. ***I st Year Planting .***

i) Cost of Fertilisers (NPK 45:30:45) including transportation	*Rs. 2000.00*	
ii) Cost of 2 times application (June-July and September - October)		
14 mandays @ Rs. 100/- each	*Rs. 1400.00*	
iii) 1st year weeding	*Rs. 1200.00*	
Sub-total	***Rs. 4600.00***	

C. ***II nd year maintenance .***

i) 2nd year weeding	*Rs. 2700.00*	
Sub-total	***Rs. 2700.00***	

Grand Total Rs. 8600.00

(Rupeeseight thousand six hundred) only.

MODEL NORMS PER HACTARE FOR ARECANUT PLANTATION .

Spacing - (4.75 x 4.75) m
Plant density - 450 nos.

A. ***Preliminary works .***

i) Cost of seedling …. L/s…….	*Rs. 800.00*	
ii) Box terracing including pit digging (0.45 x 0.45 x 0.45) m ..L/s...		
……Rs. 1350.00		*500.00*
sub-total	***Rs. 9000.00***	***1300.00***

B. ***I st Year Planting .***

i) Cost of Fertilisers (NPK 45:30:45) including transportation	*Rs. 2000.00*
ii) Cost of 2 times application (June-July and September - October)	
14 mandays @ Rs. 100/- each	*Rs. 1400.00*
iii) 1st year weeding	*Rs. 1200.00*
Sub-total	***Rs. 4600.00***

C. ***II nd year maintenance .***

i) 2nd year weeding	*Rs. 2700.00*
Sub-total	***Rs. 2700.00***

Grand Total Rs. 8600.00

(Rupeeseight thousand six hundred) only.

COST ESTIMATE PER UNIT FOR INTEGRATED FARMING SYSTEM (IWMP).

A.	*Piggery ;*		
	i) Construction of sty @ Rs. 20000/- each	*Rs.*	*20000.00*
	ii) Cost of Piglets - 10 nos. @ Rs. 20000/- each	*Rs.*	*20000.00*
	iii) Cost of feeds for 6 months (L/s)	*Rs.*	10000.00
B.	*Construction of Dug out Pond (25.00 x 25.00) m (as per estimate)*	*Rs.*	*60000.00*
C.	*Supply of fingerlings -1500 nos. @ Rs.3000/- per 1000 nos. (L/s)*	*Rs.*	*4500.00*
D.	*Kitchen Garden ;*		
	i) Site preparation including Bunding, shaping etc.	*Rs.*	*3500.00*
	ii) cost of F.Y.M. including cost of applicaton	*Rs.*	*4000.00*
	iii) Cost of equipmqnts and tools etc.	*Rs.*	*1500.00*
	iv) Cost of seeds including sowing etc.	*Rs.*	*1500.00*
	G. Total	***Rs.***	***125000.00***

(Rupees one lakh twenty five thousand) only.

Estimate for the construction of Ring Well.
(Based as per P.W.D. S.O.R. for roads, bridges and E&D works 2009-2010)

	Excavation for										
1/134	structures.										
	(1) Ordinary										
	Soil.										
	A.(ii) 3m. to 6 m.										
	depth.										
		1	x	π/4	x	(1.20)	x	5.25	=	5.93	m^3
		1	x	π/4	x	(4.20)	x	0.30	=	4.15	m^3
	Less:	1	x	π/4	x	(1.20)	x	0.30	=	(-)0.34	m^3
									=	9.74	m^3
	(i) Upto 3m.depth.										
				@	Rs.		61	/-	m^3	Rs.	**594.14**
		1	x	8.00	x	0.50	x	0.45	=	1.80	m^3
				@	Rs.		47	/-	m^3	Rs.	**84.60**
2/69	Providing and paying reinforced c.c.pipe for ring well including fixing collar with cement mortar 1:2 etc.										
	(A) 1200mm										
	dia.										
	Length = 6.25 metres.										
							@	Rs.	5621 /- m	Rs.	**35131.25**

^{3}/103 Providing and laying of dry rubble flooring complete.

1	x	π	x	4.20	x	1.50	x 0.25	=	4.95	m^3
1	x	8.00	x	0.20	x	0.10		=	0.16	m^3
									5.11	m^3

@ Rs. 1065 /- m^3 Rs. **5442.15**

^{4}/141 Plain/Reinforced c.c. in open foundation complete.
(A) PCC G - M
-15

1	x	π	x	4.20	x	1.50	x 0.15	=	2.97	m^3
1	x	π	x	4.20	x	0.15	x 0.15	=	0.30	m^3
2	x	8.00	x	0.15	x	0.45		=	1.08	m^3
1	x	8.00	x	0.20	x	0.15		=	0.24	m^3
									4.59	m^3

@ Rs. 4090 /- m^3 Rs. **18773.10**

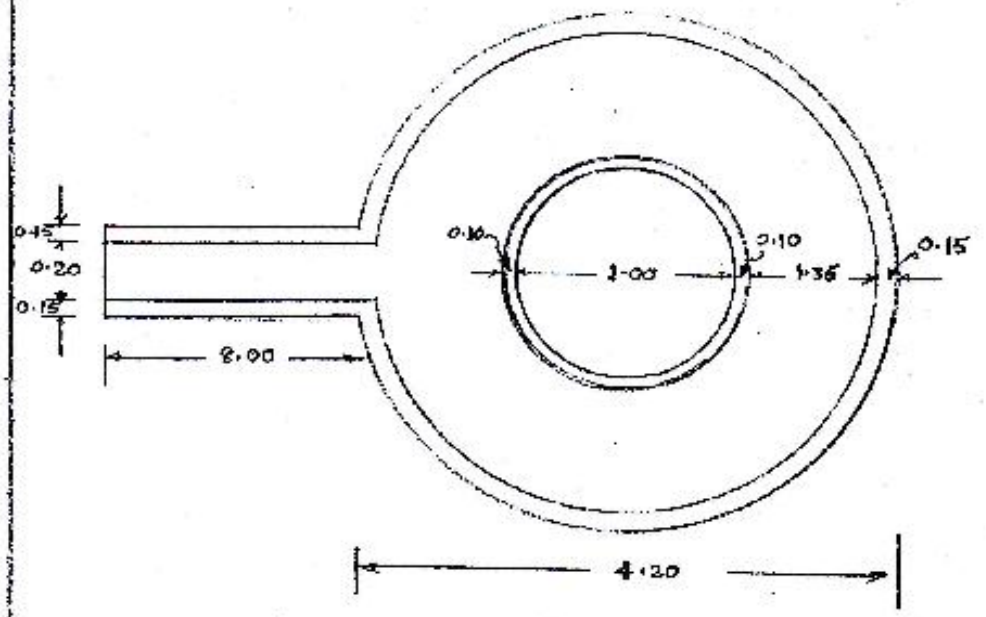
GRAND TOTAL : Rs. 60025.24

Say Rs. 60,000/-

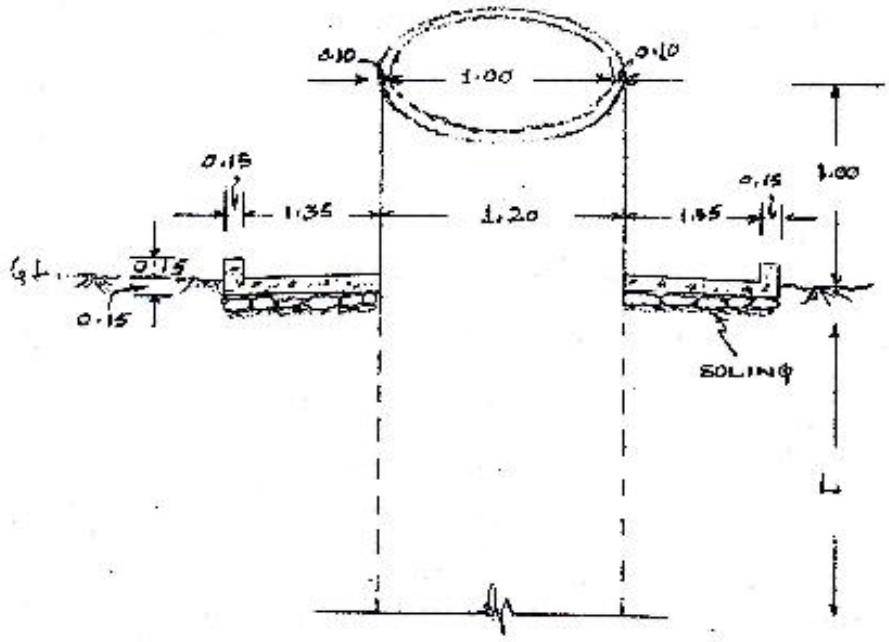
(Rupees Sixty Thousand) only.

DRAWING OF RING WELL

NOT TO SCALE



PLAN



CROSS SECTION

ESTIMATE FOR THE CONSTRUCTION OF C.C CHECK DAM.

(Based as per P.W.D., Schedule of rates for roads, bridges and E & D works for the year 2009-2010).

1/134. Excavation for structures.
(I)Ordinary soil.
A. Manual means.
(i)Upto 3.00m depth.

M/dam :	1 x 10.00 x 1.20 x 1.25	=	15.00m^3	
G/wall :	2 x 4.60 x 0.50 x 0.80	=	3.68m^3	
W/wall :	2 x 4.00 x 0.50 x 0.80	=	3.20m^3	
T/wall :	1 x 6.60 x 0.60 x 1.00	=	3.96m^3	
Apron :	1 x 4.60 x 6.00 x 0.45	=	12.42m^3	

		=	38.26m^3	
	@ Rs. 47/- m^3	…….		Rs. 1798.22

2/137. Providing c.c. work in 1:3:6 foundation etc.

M/dam :	1 x 10.00 x 1.20 x 0.23	=	2.76m^3	
	@ Rs. 3571/- m^3	…….		Rs. 9855.96

3/141(a). Plain/ reinforcement c.c. in open foundation etc.

M/dam :	1 x 10.00 x 0.90 x 1.00	=	9.00m^3	
	1 x 10.00 x $\frac{0.45 + 0.90}{2}$ x 1.80	=	12.15m^3	
	2 x 2.00 x 0.45 x 0.75	=	1.35m^3	
G/wall :	2 x 4.60 x 0.30 x 0.80	=	2.21m^3	
	2 x 5.45 x 0.30 x 2.55	=	8.33m^3	
Less :	2 x ½ x 3.20 x 0.30 x 1.35	= (-)	1.30m^3	
W/wall :	2 x 4.00 x 0.30 x 3.35	=	8.04m^3	
T/wall :	1 x 6.60 x 0.40 x 1.00	=	2.64m^3	
Apron :	1 x 6.15 x 6.00 x 0.15	=	5.54m^3	

		=	47.96m^3	
	@ Rs. 4090/- m^3	…….		Rs. 196156.40

4/140(b). Stone masonry work in cement mortar 1:3 etc. complete.

Apron :	1 x 4.60 x 6.00 x 0.30	=	8.28m^3	
	1 x ½ x 1.80 x 6.00 x 1.80	=	9.72m^3	
Less :	1 x ½ x 0.45 x 6.00 x 1.80	= (-)	2.43m^3	
		=	15.57m^3	
	@ Rs. 2714/- m^3	…….		Rs. 42256.98

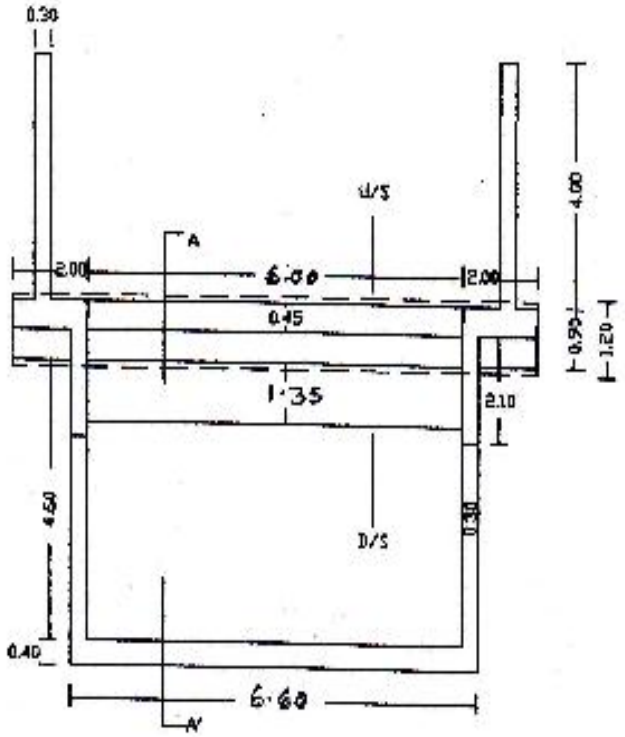
GRAND TOTAL = Rs. 250067.56

Say, Rs. 2,50,000.00

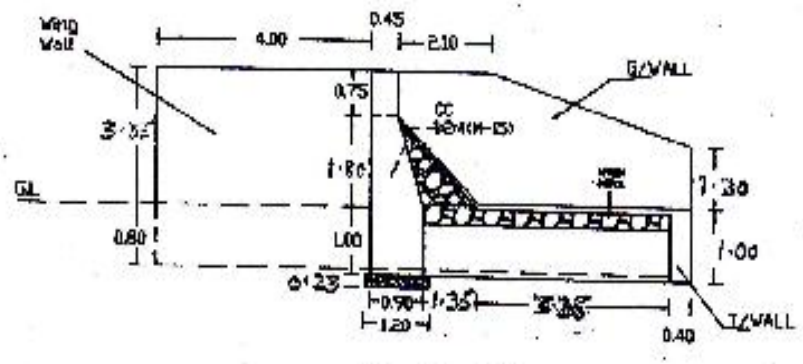
(Rupees Two lakh fifty thousand) only.

C. C. CHECK DAM

Not to Scale



PLAN



C/S At A-A'

ESTIMATE FOR THE CONSTRUCTION OF C.C. CORE WALL WITH EARTH FILLED DAM (EARTHEN EMBANKMENT) FOR WATER HARVESTING STRUCTURES.

(Rates as per P.W.D S.O.R for Roads, Bridges and E & D Works 2009-2010).

1/134. Excavation for structures.
(I) Ordinary soil.
(A) Manual Means.
(i) Upto 3m depth.

Core wall :	1 x 18.00 x 1.20 x 1.25	= 27.00m^3	
L/Channel :	1 x 8.00 x 1.40 x 1.10	= 12.32m^3	
		= 39.32m^3	
	@ Rs. 47/- m^3	…….	Rs. 1848.04

2/137. P.C.C 1:3:6 in foundation…..etc.

Core wall :	1 x 18.00 x 1.20 x 0.11	= 2.38m^3	
	@ Rs. 3571/- m^3	…….	Rs. 8498.98

3/141. Plain/reinforced c.c in open foundation complete.
(A) P.C.C M-15.

Core wall :	1 x 18.00 x $\frac{0.40 + 1.00}{2}$ x 3.50	= 44.10m^3	
L/channel :	2 x 8.00 x 0.20 x 1.15	= 3.68m^3	
	1 x 8.00 x 1.00 x 0.10	= 0.80m^3	
		= 48.58m^3	
	@ Rs. 4090/- m^3	…….	Rs. 198692.20

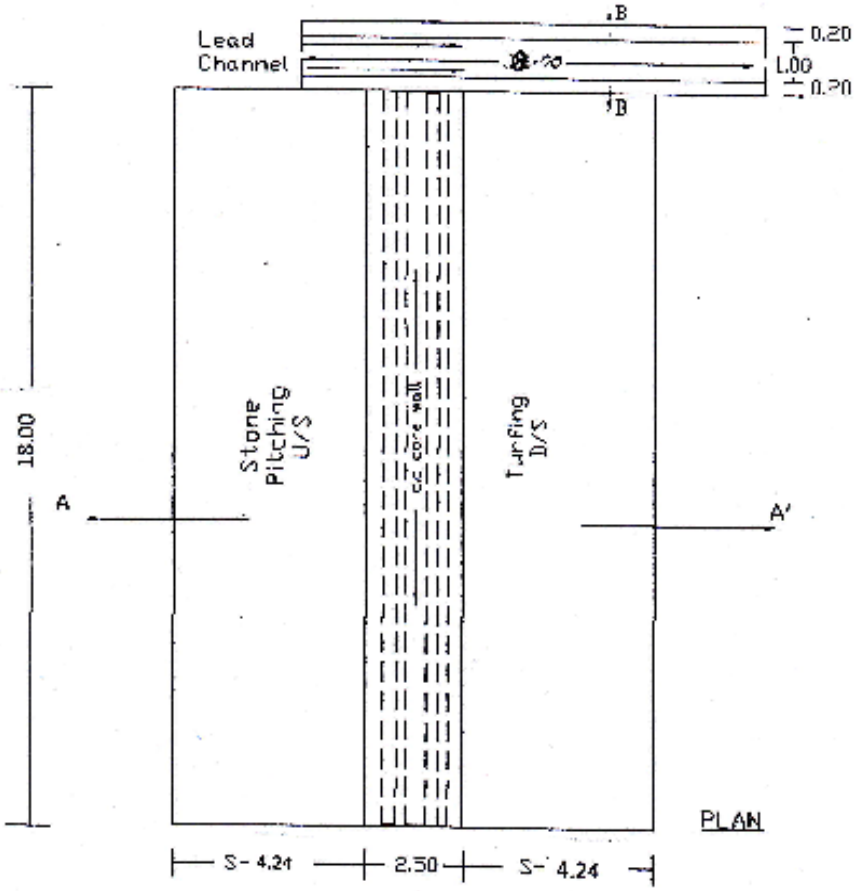
4/28.	Construction of embankment.		
	Dam :	1 x 18.00 x $\frac{2.50 + 8.50}{2}$ x 3.00	= 297.00m^3
	Less :	1 x 18.00 x $\frac{0.40 + 0.80}{2}$ x 2.50	= (-) 27.00m^3
			= 270.00m^3
		@ Rs. 71/- m^3	……. Rs. 19170.00
5/100(I).	Providing and laying stone/ boulders pitching on slope …etc.		
	(I) Stone /boulders.		
	Dam U/S :		
		1 x 18.00 x 4.24 x 0.20	= 15.26m^3
	L/Channel :	1 x 8.00 x 1.00 x 0.20	= 1.60m^3
			= 16.86m^3
		@ Rs. 1086/- m^3	……. Rs. 18309.96
6/37.	Turfing with sods.		
	Dam D/S :	1 x 18.00 x 4.24	= 76.32m^2
		@ Rs. 46/- m^2	…… Rs. 3510.72

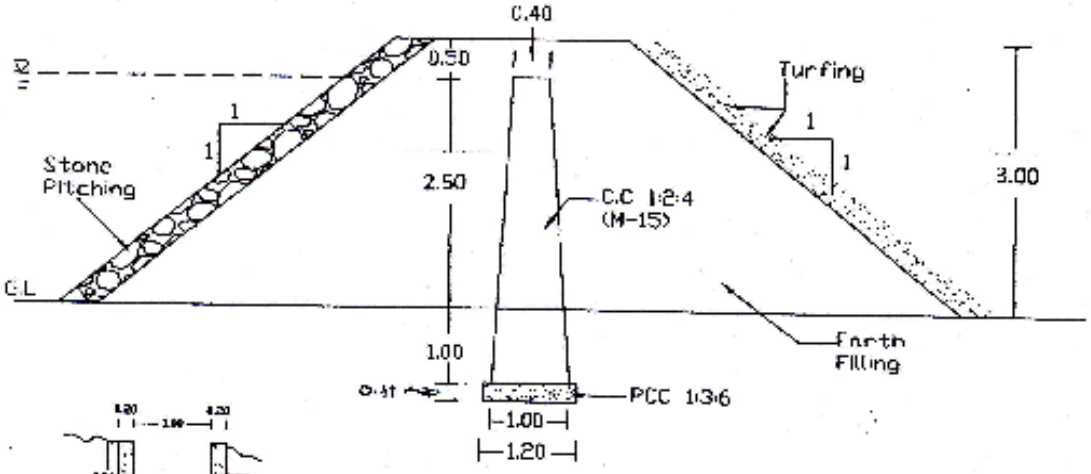
GRAND TOTAL = Rs. 250029.90

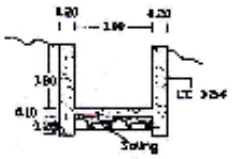
Say, Rs. 2,50,000.00

(Rupees Two lakh fifty thousand) only.

C.C Core Wall With Earthern Filled Dam Embankment) For Water Harvesting Structure







C/S at B-B'

C/S AT A-A'

NB: All Dimension are In Metre

Not to Scale

ESTIMATE FOR THE CONSTRUCTION OF DUG OUT POND.

(Rates as per P.W.D S.O.R for Roads, Bridges and E & D Works 2009-2010).

1/30(i). Excavation in cutting in soil by manual means.

Dug out Pond :

Vol : $\frac{D}{6}$ (26.00 x 24.00) + 4 (24.00 x 22.00) + (22.00 x 20.00)

$= \frac{2.00}{6}$ (624.00) + (2112.00) + (440.00)

$= \frac{2.00}{6}$ (3176.00)

$= 1058.67 m^3$

@ Rs. 47/- m^3 …… Rs. 49757.49

2/44(i). Surface drains in soil.
(A) Manual Means.

Length : 10.00 metres.

@ Rs. 25/- m^3 ……. Rs. 250.00

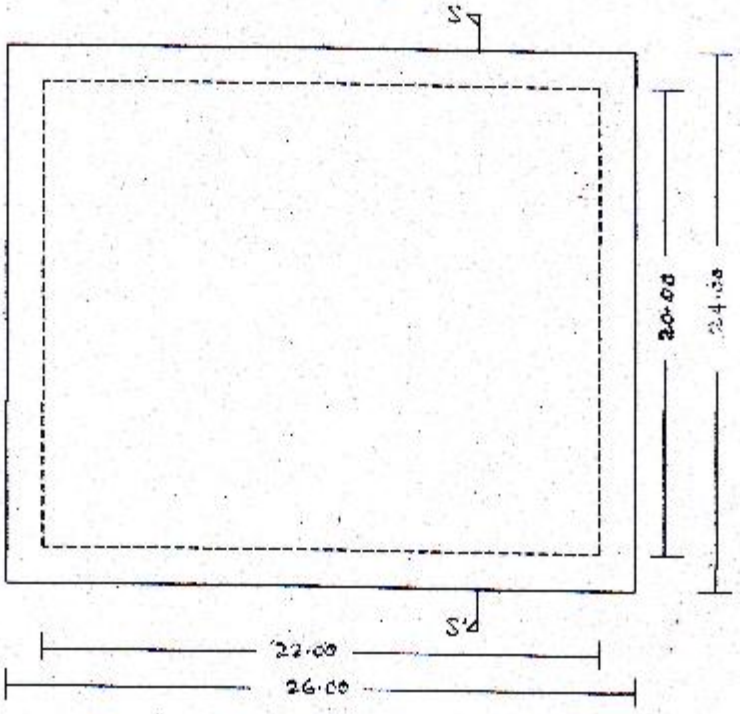
GRAND TOTAL = Rs. 50007.49

Say, Rs. 50,000.00

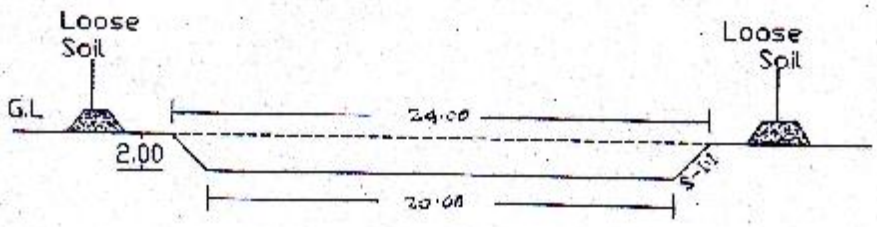
(Rupees Fifty thousand) only

DUG OUT POND

Not to Scale



PLAN



C/S AT S-S'

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ESTIMATE FOR THE CONSTRUCTION OF STONE MASONRY PROTECTION WALL.

(Rates as per P.W.D S.O.R for Roads, Bridges and E & D Works 2009-2010).

1/134. Excavation for structures.
(I) Ordinary soil.
(A) Manual Means.
(i) Upto 3m depth.

1 x 10.00 x 1.35 x ½ (1.10 + 0.60) = 11.48m^3

1 x 10.00 x ½ x 1.35 x 0.38 = 2.57m^3

= 14.05m^3

@ Rs. 47/- m^3 ……. Rs. 660.35

2/137. P.C.C 1:3:6 in foundation…..etc.

1 x 10.00 x 1.35 x 0.10 = 1.35m^3

@ Rs. 3571/- m^3 ……. Rs. 4820.85

3/140(b). Stone masonry works in cement mortar 1:3 etc.

$1 \times 10.00 \times \frac{0.60 + 1.10}{2} \times 1.75$ = 14.88m^3

1 x 10.00 x ½ x 1.10 x 0.28 = 1.54m^3

= 16.42m^3

@ Rs. 2714/- m^3 ……. Rs. 44563.88

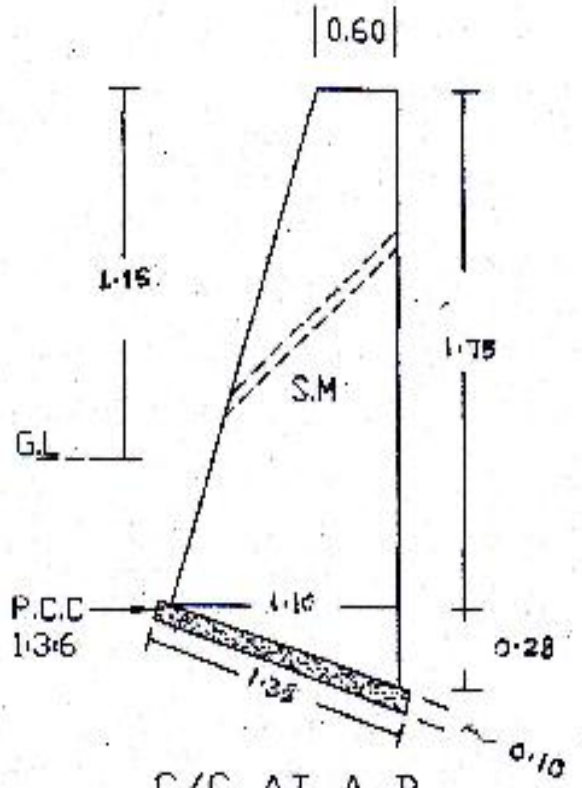
GRAND TOTAL = Rs. 50045.08

Say, Rs. 50,000.00

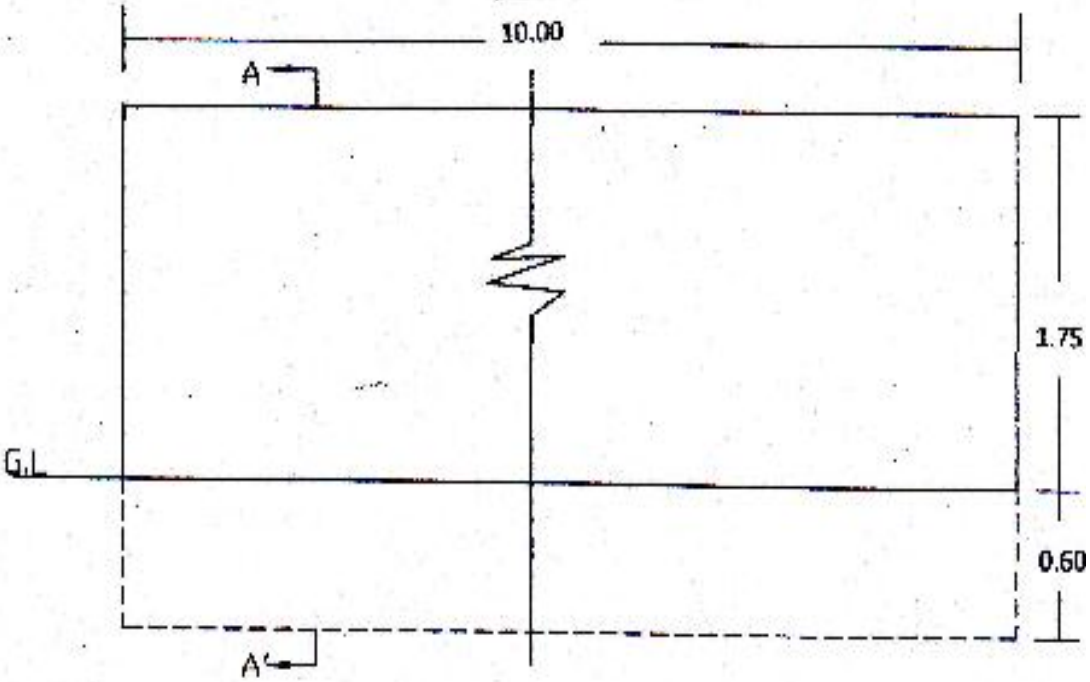
***(Rupees Fifty thousand) only*.**

STONE MASONRY PROTECTION WALL

Not to Scale



C/C AT A-B



ELEVATION

ANNEXTURE-IV

MoA, SUB COMMITTEE DETAILS

SANJAY GOYAL, IAS
DISTICT MAGISTRATE
WEST GARO HILLS DISTRICT,
TURA, MEGHALAYA- 794001

Phone: 03651-223835(O), 223826(R)
Fax: 03651-221179, 222226
e-mail: sanjaygoyal_ias@yahoo.com

TO WHOM IT MAY CONCERN

This is to certify that centrally sponsored schemes like NREGS, BRGF, RKVY, NRHS and Total Sanitation Campaign etc can be convered with Watershed Projects/Programmee within West Garo Hills District.

Dated : Tura
The 14th April, 2011.

DEPUTY COMMISSIONER WEST GARO HILLS TURA

Sanjay

(Sanjay Goyal)
Deputy Commissioner,
West Garo Hills Dist, Tura.

Details of Convergence of IWMP with other Schemes:

Name of Villages: a) Kilmangittim b) Kalamati

	1	2	3	4	5			6	7
Sl. No.	District	Names of projects	Names of Departments with Schemes converging with IWMP	Fund made available to IWMP due to convergence (Rs. in lakh)	Name of activity/task/structure undertaken with converged funds			Reference no. of activity/ task/ structure in DPR[@]	Level at which decision for convergence was taken[$]
					(a) Structures (b)Livelihoods (C)Any other (pl specify)	Nos/Rmt/Ha	Amount(Rs)		
1	WGH	WGH-IWMP-VIII	NREGS (DRDA, West Garo Hils, Meghalaya)	2280100	a)Dugout pond	10 Nos	500000	Enclosure of Abstract of Perspective Plan for Convergence of NREGs with IWMP in DPR	District Level
					b)Stone masonry protection wall	8 Nos	400000		
					c) Water harvesting farm pond	1 Nos	250000		
					d) C.C Check cum Irrigation dam	1 Nos	250000		
					e) Earthen irrigation channel	1682 Rmt	84100		
					f) Wet terrace	10 Ha	150000		
					g)Rubber Plantation	50 Ha	350000		
					h) Arecanut Plantation	40 Ha	296000		
				Grand Total			**2280100**		

Grand Total: Twenty two lakhs eighty two thousand and one hundred only.

Enclosed: Abstract of Perspective Plan for Convergence of NREGS with IWMP.

ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGs WITH IWMP AT KALAMATI VILLAGE

UNDER RIMJONG MICRO-WATERSHED, WGH-IWMP-VIII

Name of the Village : Kalamati

Total No. of Job Card Holder : 11 Nos

Total Wages Component (@Rs. 117/- per m/days= Rs. 1,28,700/-)

Amount earmarked for Convergence per annum = Rs. 1,28,700/-)

(Rupees One lakh twentyeight thousand seven hundred) only

SL.No	ACTIVITY	UNIT	PROJECT PERIOD												Total			Mandays to be Generated
			2011-12			2012-13			2013-14			2014-15						
			PHY	FIN		PHY	FIN		PHY	FIN		PHY	FIN		PHY	FIN		
				Wages	material		Wages	Material		Wages	Material		Wages	Material		Wages	Material	
1	Dug out pond @50,000/- per number	Nos	1	50,000	–	–	–	–	–	–	–	1	50,000	–	2	1,00,000	–	856
2	Stone masonry Protection wall@ 50,000/- per number	Nos	–	–	–	1	30,000	20,000	1	28,700	21,300	–	–	–	2	58,700	41,300	501
3	Earthern irrigation channel @ 50/-per Rmt.	Rmt	74	3,700	–	334	16,700	–	–	–	–	174	8,700	–	582	29,100		249
4	Wet terrace @ 15,000/- per Ha	Ha	5.00	75,000	–	–	–	–	–	–	–	–	–	–	5	75,000		641
5	Rubber plantation: i)Planting @18,000/- per Ha	Ha	–	–	–	10	18,000	–	10	18,000	–	–	–	–	20	36,000		307
	ii)Weeding@2,000/-per Ha	Ha	–	–	–	10	20,000	–	20	40,000	–	20	40,000	–	20	1,00,000		855
6	Arecanut plantation: i)Planting @2,400/- Ha	Ha	–	–	–	10	24,000	–	5	12,000	–	–	–	–	15	36,000		307
	ii)Weeding@2,000/-per Ha	Ha	–	–	–	10	20,000	–	15	30,000	–	15	30,000	–	15	80,000		684
	GRAND TOTAL	–	–	1,28,700	–		1,28,700	20,000		1,28,700	21,300		1,28,700			5,14,800	41,300	4,400

Amount allocated for convergence for the period 2011-12 to 2014-15

1 Wages Component: = Rs. 5,14,800.00

2 Material Components: = Rs. 41,300.00

Grand Total = Rs. 5,56,100.00

Grand Total (Rupees Five Lakhs fifty six thousand one hundred only)

L.T.I. of Shri Tangjing Marak.

President
GALAMATI
West Garo Hills

President
Kalamati VEC
Selsella Block, WGH

Secretary
Galamati V.E.C.

Secretary
Kalamati VEC
Selsella Block, WGH

ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGs WITH IWMP AT KILMANGITTIM VILLAGE

UNDER RIMJONG MICRO-WATERSHED, WGH-IWMP-VIII

Name of the Village : KILMANGITTIM

Total No. of Job Card Holder : 30 Nos

Total Wages Component (@Rs. 117/- per m/days= Rs. 3,51,000/-)

Amount earmarked for Convergence per annum = Rs. 3,51,000/-)

(Rupees three lakh fifty one thousand) only

SL.No	ACTIVITY	UNIT	PROJECT PERIOD												Total			Mandays to be Generated
			2011-12			2012-13			2013-14			2014-15						
			PHY	FIN		PHY	FIN		PHY	FIN		PHY	FIN		PHY	FIN		
				Wages	material		Wages	Material		Wages	Material		Wages	Material		Wages	Material	
1	Dug out pond @50,000/- per Number	Nos	3	1,50,000	_	_	_	_	3	1,50,000	_	2	1,00,000	_	8	4,00,000	_	3419
2	Stone masonry Protection wall@ 50,000/- per number	Nos	1	30,000	20,000	_	_	_	1	30,000	20,000	4	1,20,000	80,000	6	1,80,000	1,20,000	1538
3	Water harvesting farm pond@2,50,000/- per number.	Nos	_	_	_	1	1,50,000	1,00,000	_	_	_	_	_	_	1	1,50,000	1,00,000	1282
4	C.C. check cum irrigation dam@ 2,50,000/- per number	Nos	1	1,50,000	1,00,000	_	_	_	_	_	_	_	_	_	1	1,50,000	1,00,000	1282
5	Earthern irrigation channel @ 50/-per Rmt.	Rmt	420	21,000	_	120	6,000	_	140	7,000	_	420	21,000	_	1100	55,000		470
6	Wet terrace @ 15,000/- per Ha	Ha	_	_	_	5	75,000	_	_	_	_	_	_	_	5	75,000		641
7	Rubber plantation: i)Planting @18,000/- per Ha	Ha	_	_	_	20	36,000	_	10	18,000	_	_	_	_	30	54,000		462
	ii)Weeding@2,000/-per Ha	Ha	_	_	_	20	40,000	_	30	60,000	_	30	60,000	_	30	1,60,000		1367
8	Arecanut plantation: i)Planting @2,400/- Ha	Ha	_	_	_	10	24,000	_	15	36,000	_	_	_	_	25	60,000		513
	ii)Weeding@2,000/-per Ha	Ha	_	_	_	10	20,000	_	25	50,000	_	25	50,000	_	25	1,20,000		1026
	GRAND TOTAL			**3,51,000**	**1,20,000**		**3,51,000**	**1,00,000**		**3,51,000**			**3,51,000**			**14,04,000**	**3,20,000**	**12,000**

Amount allocated for convergence for the period 2011-12 to 2014-15

1 Wages Component: = Rs. 14,04,000.00

2 Material Components: = Rs. 3,20,000.00

Grand Total = Rs. 17,24,000.00

Grand Total (Rupees Seventeen lakh twenty four thousand only)

Rimjong Sangma
President
KILMANGITTIM
President
Kilmangittim VEC
Selsella Block, WGH

Rangjong Marak
Secretary
Kilmangittim V.E.C.
West Garo Hills, Meh.
Secretary
Kilmangittim VEC
Selsella Block, WGH

AGREEMENT FOR CONVERGENCE OF SCHEME

The Village Employment Councils (VEC) and the Communities of Kalamati Villages, Selsella Blocks, West Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Management Project (IWMP) at Kalamati village under Rimjong Micro-Watershed, WGH-IWMP-VIII being implemented by Tura Soil & Water Conservation (T) Division.

We also agreed to allocated and commit Funds for wage as well as material component under NREGS in our Annual Work Plan for various Soil &Water Conservation Works which shall be taken up during the Project Period (2010-11 to 2013-14). The wage and material component under NREGS shall be utilised for following works:

1. Dugout Pond
2. Stone Masonry Protection Wall
3. Wet Terrace
4. Areca nut Plantation
5. Earthen Irrigation Channel
6. Rubber Plantation

L.T.I of Shri Tangring Marak

President
GALAMATI
West Garo Hills: Meghalaya

President
Village Employment Council
Kalamati
Selsella Block, WGH

Tangring Marak
Secretary
Galamati V.E.C
Secretary
Village Employment Council
Kalamati
Selasella Block, WGH

AGREEMENT FOR CONVERGENCE OF SCHEME

The Village Employment Councils (VEC) and the Communities of Kilmangittim Villages, Selsella Blocks, West Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Management Project (IWMP) at Kilmangittim village under Rimjong Micro-Watershed, WGH-IWMP-VIII being implemented by Tura Soil & Water Conservation (T) Division.

We also agreed to allocated and commit Funds for wage as well as material component under NREGS in our Annual Work Plan for various Soil &Water Conservation Works which shall be taken up during the Project Period (2010-11 to 2013-14). The wage and material component under NREGS shall be utilised for following works:

1. Dugout Pond
2. Stone Masonry Protection Wall
3. Wet Terrace
4. C.C. Check Cum Irrigation Dam
5. Areca nut Plantation
6. Earthen Irrigation Channel
7. Water Harvesting Farm Pond
8. Rubber Plantation

President
Village Employment Council
Kilmangittim
Selsella Block, WGH

Secretary
Village Employment Council
Kilmangittim
Selasella Block, WGH

NO OBJECTION CERTIFICATE OF THE A·KING NOKMA FOR RIMJONG MICROWATERSHED DEVELOPMENT PROJECT TO BE TAKEN UP UNDER IWMP-VIII PROJECT BY TURA SOIL & WATER CONSERVATION (T) DIVISION

The A·king Nokma of Kalamati village under Rimjong Micro-watershed project, WGH-IWMP-VIII has No Objection to the developmental activities to be undertaken in my A·king land by Soil & Water Conservation Department.

The villagers of Kalamati A·king Land are ready to accept the Development Scheme after clear understanding of the objectives and the activities proposed under the project to be implemented in our Watershed area.

There will be No Objection in future from the villagers of the watershed area as they have understood the objectives of the proposed scheme of the Soil & Water Conservation Department.

Name & Signature of A·king Nokma

L. T. L. Marak
Nokma III-B5 (II)
Kalamati A·King
West Garo Hills

Countersigned by

Divisional Officer,
Tura Soil & Water Cons(T) Division
West Garo Hills, Meghalaya

NO OBJECTION CERTIFICATE OF THE A·KING NOKMA FOR RIMJONG MICROWATERSHED DEVELOPMENT PROJECT TO BE TAKEN UP UNDER IWMP-VIII PROJECT BY TURA SOIL & WATER CONSERVATION (T) DIVISION

The A·king Nokma of Kilmangittim village under Rimjong Micro-watershed project, WGH-IWMP-VIII has No Objection to the developmental activities to be undertaken in my A·king land by Soil & Water Conservation Department.

The villagers of Kilmangittim A·king Land are ready to accept the Development Scheme after clear understanding of the objectives and the activities proposed under the project to be implemented in our Watershed area.

There will be No Objection in future from the villagers of the watershed area as they have understood the objectives of the proposed scheme of the Soil & Water Conservation Department.

Name & Signature of A·king Nokma

Countersigned by

Divisional Officer,
Tura Soil & Water Cons(T) Division
West Garo Hills, Meghalaya