

DETAILED PROJECT REPORT

INTEGRATED WATERSHED MANAGEMENT PROJECT

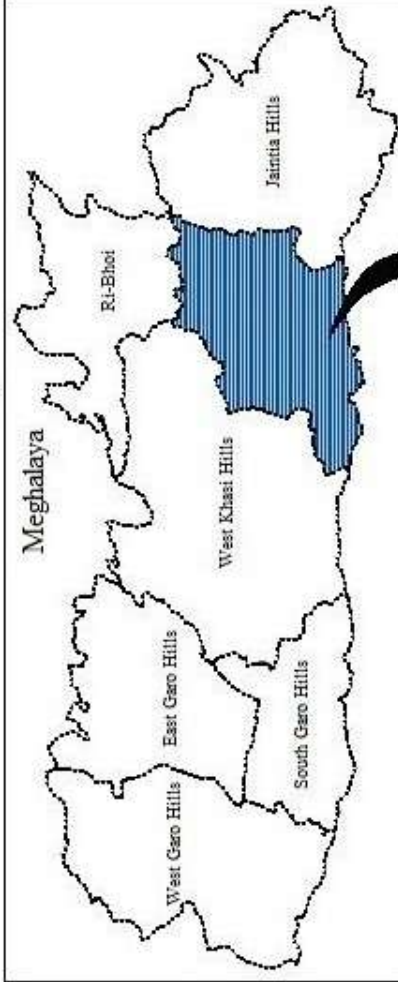
IWMP – IV

2010 – 2011

MYLLIEM C & RD BLOCK

EAST KHASI HILLS DISTRICT MEGHALAYA

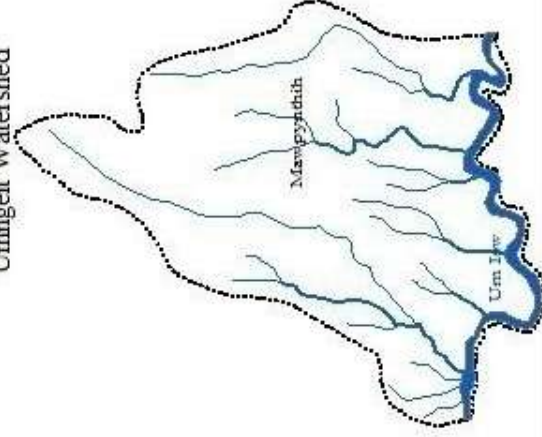
Location Map



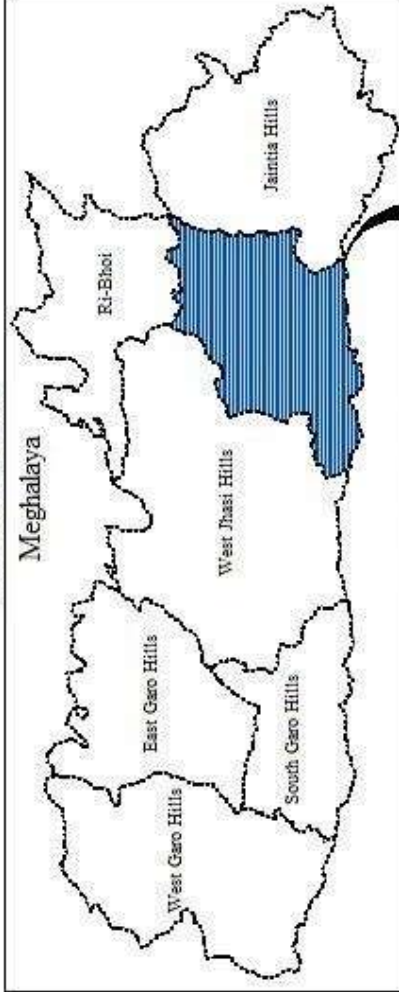
East Khasi Hills



Umngait Watershed



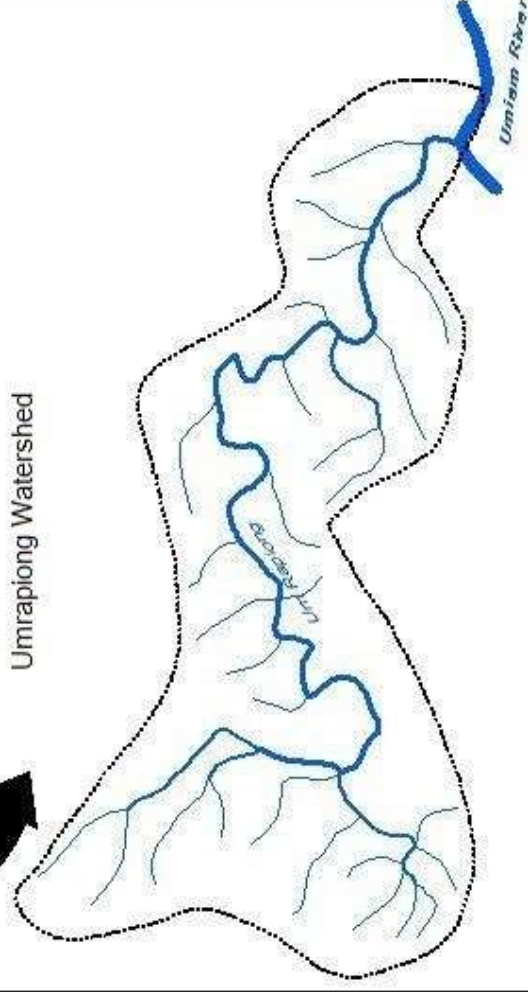
Location Map



East Khasi Hills



Umrapping Watershed



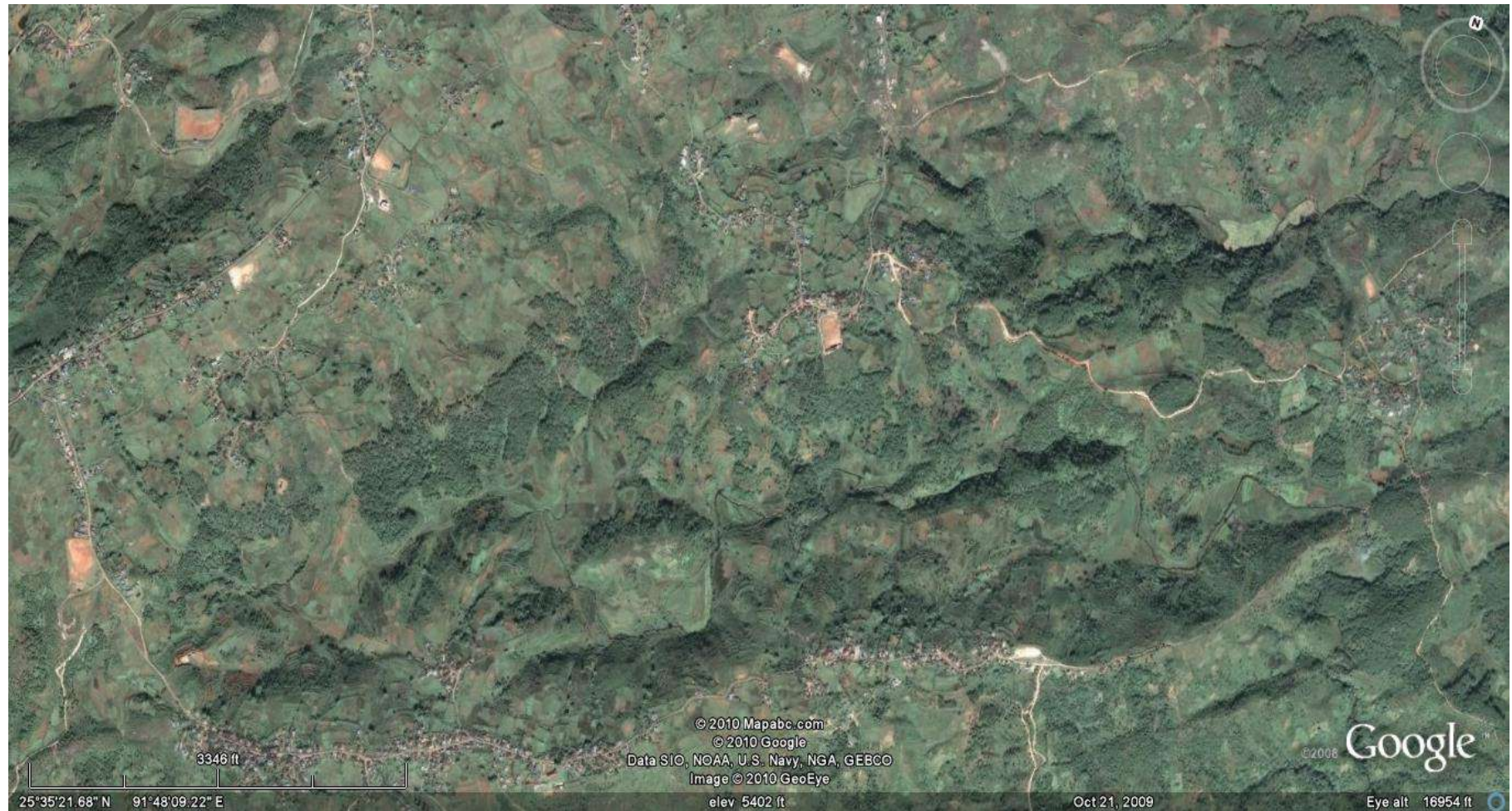
SUMMARY

Name of the State	:	Meghalaya
Name of the District	:	East Khasi Hills District
Name of the C&RD Block	:	Mylliem
Name of the Villages		(i) Mawlum neng, (ii) Mawlum rum, (iii) Lawmei pdengshnong, (iv) Lawmei pyllun, (v) Mawlaiteng, (vi) Nongmadan, (vii) Kreit nongshilliang, (viii) Mawlaingut, (ix) Kynton mynnar A, (x) Nongsawiing Pdengshnong, (xi) Nongsawiing, (xii) Mawpynthih
Name of the Project	:	East Khasi Hills – IWMP – IV
Total Geographical Area	:	1267 Ha
Total Treatment Area	:	1000 Ha
Total Project Cost	:	150.00 lakhs
Project Duration	:	5 Years
Project Implementing Agency	:	Soil & Water Conservation Territorial Division, Shillong.

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SATELLITE IMAGE OF IWMP IV, UMRAPIONG MICRO-WATERSHED



CHAPTER I

INTRODUCTION AND BACKGROUND

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INTRODUCTION AND BACKGROUND

1.1 Project Background:

The IWMP-IV project is located in Myllem C&RD Block, East Khasi Hills District of Meghalaya. Consisting of two micro-watersheds, the project area is drained by the Umrapiong and the Phud-umngeit streams and their tributaries flowing in a West to East direction the total area is 1267 Ha. with 1000 to be treated under the Integrated Watershed Management Programme (IWMP).

The Project area is located at a distance of about 55 km from Shillong the State Capital. A total of 12 villages are covered under the project.

These are – (i) Mawlum neng, (ii) Mawlum rum, (iii) Lawmei pdengshnong, (iv) Lawmei pyllun, (v) Mawlaiteng, (vi) Nongmadan, (vii) Kreit nongshilliang, (viii) Mawlaingut, (ix) Kynton mynnar A, (x) Nongsawiing Pdengshnong, (xi) Nongsawiing, (xi) Mawpynthih (xii) Kreit

1.2 Micro-watershed Information:

The micro-watershed codes are **3C1B5A3D** and 3C1B5e3a as codified by the North East Space Application Centre (NESAC). The total area of the micro-watershed is Umrapiong -687 Ha. And Phud-Umngeit-580, with 500 hectares each to be treated under the Integrated Watershed Management Programme (IWMP).

1.3 Need and Scope for Watershed Development:

The micro-watershed **3C1B5A3D and 3C1B5e3a** falls under the High Priority category as per the prioritization of watersheds by the North East Space Application Centre (NESAC). Located on the plateau and slopes of the Shillong Plateau the 12 villages have direct road connectivity. The farmers are all marginal and 521 households are below the poverty line, which is 85% of the total households. Jhum/ Bun 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 depend on small seasonal springs for 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. MGNREGS
- ii. Total Sanitation Campaign (TSC)
- iii. Swarnjayanti Gram Swarozgar Yojana (SGSY)
- iv. Indira Awas Yojana (IAY)

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 Myllem C&RD Block, East Khasi Hills District. The Micro watersheds are situated as follows-

Umrapiiong MWS: It is situated at a distance of about 55 km from Shillong the State Capital. The geographical location is between $91^{\circ} 47'30''$ to $91^{\circ} 50' 30''$ E Longitude and $25^{\circ} 34'$ to $25^{\circ} 35' 30''$ N Latitude. There are 11 villages within the Watershed which are as follows –

(i) Mawlum neng (ii) Mawlum rum (iii) Lawmei pdengshnong (iv) Lawmei pyllun (v) Mawlaiteng (vi) Nongmadan (vii) Kreit nongshilliang (viii) Mawlaingut (ix) Kynton mynnar A (x) Nongsawiing pdengshnong (xi) Nongsawiing

Phud-Umngeit MWS: It is situated at a distance of about 25 km from Shillong the State Capital. The geographical location is between $25^{\circ}27'42.65''$ N and $25^{\circ} 29'44.48''$ N and $91^{\circ} 50'12.99''$ E and $91^{\circ} 52'0.03''$ E. There is only 1 village, Mawpynthih within the Watershed.

All these 12 villages are connected with motorable road.

2.2 Physiography:

The physiography of the micro-watershed is highly undulating. The altitude ranges from a minimum of 1080m to a high of 1860m above mean sea level. In the lower reaches (valley lands) the slope ranges from 10% to 25%, however, in the middle and upper reaches it is greater than 45 %, and can reach up to 80%.

Table 2.1: Physiographic details

Name of Micro watershed	Elevation (metres)	Slope Range (%)	Order of watershed Sub/Micro-watershed	Major streams	Topography
Umrapiong MWS	1080 m to 1820 m	10% to 70 %	Micro Watershed	Wah Umiam	Strongly Sloping
Phud-Umngeit MWS	1860m from MSL	0% - 63%	Micro Watershed	Umiew	Moderate to Steep Slopes

Drainage: The major stream draining the Umrapiong micro-watershed is the Wah Umiam which is a 3th order stream flowing in a south-north direction. The slopes of the micro-watershed are dissected by numerous small tributaries flowing to the Wah Umiam. The main stream draining the Phud – Umngeit Micro Watershed is the Wah-Umngeit, a first order stream and also Shyngiar Kwat, Wah-Latah and Wah Kem Khniang, which are streams of the 2nd order flowing in a south-east direction.

2.3 Soil: Soil Texture is gravelly on the sloping lands, clayey to sandy clay on the low lying areas and loamy in the upper ridges. Soil depth varies from very shallow to deep. Soils are permeable and generally acidic in nature. Owing to highly undulating land form and absence of good vegetation cover, the area is exposed to erosion hazards. The soil nutrient status in the area shows a general trend of low phosphorous content.

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	East Khasi Hills	East Khasi Hills – IWMP IV	Water erosion:				
				a	Sheet	920	2000-2500	40.90
				b	Rill	60	2000-2500	30.00
				c	Gully	20	2000-2500	30.00
				Sub total		1000		
				Wind erosion		Nil	Nil	Nil

2.4 Climate: The area in the foothills or low lying areas and mid-slopes are warm in summer and cold throughout the winter. The area on the higher reaches is cold during winter. The average annual rainfall is 2283 - 3000mm.

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) Umrapiong	Area (Ha) Phud Umngeit	Total
1	Meghalaya	Central Thermic Plateau	1267 Ha	East Khasi Hills	East Khasi Hills – IWMP – IV	Moderate deep, excessively drained, fine – loamy soil on moderately steep slopes of hills having loamy surfaces with severe erosion hazard and strong stoniness.	1267 Ha	3000 mm	Maize	15		15
									Carrot	20		20
									Tomato	18		18
									Cole crops	35	110	145
									Paddy	10	15	25
									Fruit	10		10
									Potato	25	100	125
									Total	133 Ha	225 Ha	358

2.5 Agriculture: Agriculture is the primary occupation of the people of the area. The people still practice jhum. The jhum plots vary from 0.25 to 0.50 Ha, and are cultivated for 2-3 years. The main crops grown presently are Paddy, potato and vegetables such as cabbage, cauliflower, carrots, tomatoes and coriander. Temperate fruit crops are well suited in the area which include plums, peaches, pears and other indigenous species. The slopes of the Umrapiong Watershed are also very suitable for orange cultivation which can 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.)
Maize	15	120	1800
Carrot	70	15	1050
Tomato	18	21	378
Cole crops	52	55	2860
Paddy	25	26	650
Fruit	10	NA	NA
Potato	168	120	20160
Total	358		

2.6 Natural Vegetation: The tree species common to the watershed area includes – *Pinus Kasia*, *Prunus spp*, *Quercus spp*, *Castanopsis spp*, *Toona ciliata*, *Albizia spp*, *Aporosa spp*, *Bahunia variegata*, *Duabanga spp*, and *Ficus spp*. However, due to jhum cultivation the forest cover of the area has reduced considerably.

2.7 Socio-Economic Profile: Economically, the area is perhaps the most backward in the Block. The main reason is due to the absence of direct road communication, primitive way of agricultural practices, lack of water and deforestation.

Demographic Status: The total households in the watershed project is 413 with a total population of 2024, of which 1086 are male and 838 are female. The detail of the household in each of the villages in the watershed project is as follows:

Sl No	Name of village	No. of households	Sl No	Name of Village	No. of households
1	Mawlum Neng	77 Households	10	Nongsawiing Pdengshnong	07
2	Mawlum Rum	73	11	Nongsawiing	05
3	Lawmei Pdengshnong	61		Nongmadan	06
4	Lawmei Pyllun	45	12	Mawpynthih	313
5	Mawlaiteng	50		Total	726
6	Kreit Nongshillong	33			
7	Mawlaingut	28			
8	Kynton Mynnar A	28			

Infrastructure facilities :

- 2.1.1 *Roads:* All the villages within the Project Area are connected by road connecting either to Mawmaram on the Shillong – Mairang road and to Lad Umsaw on the Shillong-Guwahati National Highway 40 and National Highway 44.
- 2.1.2 *School:* there are only 5 L.P Schools within the Project Area run by the Government and 5 L.P Schools run by the Mission.
- 2.1.3 *Electricity:* Connections have been provided to all villages.
- 2.1.4 *Health:* One Community Health Centre at Mawlaiteng serves the local population.
- 2.1.5 *Water Supply:* Drinking water supply have been provided by the PHE Deptt. However, during lean season the entire population have to depend on springs available in the area to meet the daily requirement.
- 2.1.6 *Market:* There is a small weekly market held once in a week at Mawlaingut and Smit. However, the main market where the people sell their produce is at Shillong.

Table 2.5: Infrastructure Status.

1	2	3		4				5			
Name of District	Name of Project	Parameters:		Status- Umrapiong				Status- Phud Umngeit			
East Khasi Hills	East Khasi Hills – IWMP IV	(i)	No. of villages connected to the main road by an all-weather road.	All 11 nos villages are motorable.				Mawpynthih village is connected by road.			
		(ii)	No. of village provided with electricity	11 nos				The village is electricity connected			
		(iii)	No. of households without access to drinking water	340 nos.				12 nos			
		(iv)	No. of educational institutions: Primary (P)/ Secondary (S)/ Higher Secondary (HS)/ Vocational institution (VI)	(P)	(S)	(HS)	(VI)	(P)	(S)	(HS)	(VI)
				5 Nos.	-	-	-	5 nos			
		(v)	No. of village with access to Primary Health Centre	1				Nil			
		(vi)	No. of village with access Veterinary Dispensary	Nil				Nil			
		(vii)	No. of village with access Post Office	1				Nil			
		(viii)	No. of village with access Banks	1				Nil			
		(ix)	No. of village with access Markets/ mandis	Nil				Nil			
		(x)	No. of village with access Agro-Industries	Nil				Nil			
		(xi)	Total quantity of surplus milk	Nil				Nil			
		(xii)	No. of milk collection centres (e.g. Union (U)/ Society (S)/ Private agency (PA)/ Others (O))	(U)	(S)	(PA)	(O)	(U)	(S)	(PA)	(O)
				Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
		(xiii)	No. of villages with access to Aganwadi Centres	1 No.				1 no			
		(xiv)	Any other facilities with no. of villages (please specify)	Nil				Nil			

2.8 Livestock: there are only 2 kinds of livestock farming being farmed in the area viz. Piggery and Poultry.

Table 2.6: Existing livestock population

Type of Animal	Population	
	Umrapiiong	Phud Umngeit
Piggery	120	697
Poultry	850	797
Cattle rearing	-	140
Goatery	-	65
TOTAL	970	1699

2.9 Land ownership: There are primarily two types of land holding system, namely private lands (Ri Kynti i.e. individually owned land) and community lands (Ri Kur i.e. clan land and Ri Raid i.e. village community land).

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
East Khasi Hills	East Khasi Hills – IWMP IV	(i) Large	-	-			
		(ii) Small	185	195		80 Ha	80 Ha
		(iii) Marginal	357	258	-	278 Ha	278 Ha
		(iv) Landless	68	68	-	-	-
		Sub - Total	610	521		358 Ha	358 Ha

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 Dept.)	PRI	Any other (Community)	Pvt. Person	Govt. (specify deptt.)	PRI	Any other (Community)
East Khasi Hills	East Khasi Hills – IWMP IV	(i) Degraded land	86 Ha	-	-	-	-	-	-	520 Ha
		(ii) Pastures	-	-	-	-	-	-	-	-
		(iii) Private Agriculture land	306 Ha	-	-	-	360 Ha			120 Ha
		(iv) Village woodlot		-	-	-				-
		(v) Forest	188 Ha	-	-	-				-
		(vi) Village Ponds/ Tanks	-	-	-	20 Ha				-
		(vii) Community Buildings		1 no.	-	1 no.				
		(viii) Weekly Markets		-	-	1 no.				
		(ix) Village area	-	-	-	-				-
		(x) Temples / Places of worship	-	-	-	3 nos				
		(xi) Others (Pl. specify)		-	-	667 Ha				
		Total	580 Ha	1 no.	-	687 Ha	360 Ha	-	-	640 Ha

2.10 Land use and land cover : As per the land use land cover map generated by NESAC, Meghalaya from Satellite Image taken during 2005 – 2006 (LISS – III, Image) the Watershed area has been broadly classified into the following land uses.

a) Built-up Area	=	151.0 Ha
b) Water bodies-River/Stream-Perennial	=	20.0 Ha
c) Agricultural land-crop land-kharif crop	=	306.0 Ha
d) Tree clad Area-close	=	188.0 Ha
e) Tree clad Area-open	=	487.0 Ha
f) Barren Rocky/Stony waste	=	29.0 Ha
g) Wasteland/Open scrub	=	86.0 Ha
Total	=	1267 Ha

2.11 Problems of the Area : The primary problems of the area is *Bun* cultivation . Majority of the population depends on this Cultivation for their livelihood and the abandoned *Bun* areas are highly degraded land. In other words, unscientific method of cultivation has not only reduced crop yield but had adversely affected the ecological balance within the area and 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 conducted with all the villages within the Watershed.

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, Nongsder
	Baseline survey	Yes
	Hydro-geological survey	No
	Contour mapping	No
	Participatory Net Planning (PNP)	No
	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) [#]	No
	Weather Stations	No

B.	Inputs	
	1. Bio-pesticides	No
	2. Organic manures	Yes
	3. Vermi-compost	Yes
	4. Bio-fertilizer	Yes
	5. Water saving devices	No
	6. Mechanized tools/ implements	No
	7. Bio-fencing	Yes
	8. Nutrient budgeting	Yes
	9. Automatic water level recorders & sediment samplers	No
	Any other (please specify)	-

3.2 Project Implementing Agency:

The PIA is the Soil & Water Conservation Territorial Division, Shillong, East Khasi Hills District 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	
East Khasi Hills	East Khasi Hills – IWMP IV	(i) Type of organization#	Government
		(ii) Name of organization	Soil & Water Conservation (T) Division, Shillong
		(iii) Designation & Address	Divisional Soil & Water Conservation Officer, Polo, Shillong
		(iv) Telephone	0364 – 2591085
		(v) Fax	Do
		(vi) E-mail	Shgt.001@gmail.com

3.3 Institution Building

i) Watershed Committee (WC)

The Watershed Committee of the Umrapiang Watershed, IWMP IV was constituted with the active involvement of the 12 villages with strong support of the Traditional Institutions (Village Durbar/Council). Both the Umrapiang Watershed Committee and the Phud – Umngeit Watershed Committee have 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	Educational Qualification	Function/s assigned#
East Khasi Hills District	East Khasi Hills District – IWMP – IV	Umrapiiong Phud - Umngeit	04/04/2011	President	M	-	ST							1		Cl – X	A to I
				Secretary	M/F	-	ST								1	Bsc.Agri	A to I
				Member	23 M	-	ST				1	1	2	6		Cl – VI	Do
				Member	6 F	-	ST					3	1			to B.A	Do
				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 o Self Help Groups (SHGs) in the project areas:

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
East Khasi Hills	EKH. IWMP IV	-	1 no	4 nos	5 Nos	(i) Landless	6	5	11	6	5	11			
						(ii) SF	6	6	12	6	6	12			
						(iii) MF	12	12	24	12	12	24	NA	NA	NA
						(iv) LF	6	5	11	6	5	11			

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
East Khasi Hills	EKH. IWMP IV					(i) Landless									
						(ii) SF									
						(iii) MF									
						(iv) LF									
Total		Nil	Nil	Nil	Nil				Nil			Nil			Nil

CHAPTER IV

PROJECT ACTIVITIES

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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	East Khasi Hills	East Khasi Hills – IWMP IV	6.0 Lakhs	Construction of Spring Tap Chambers	6.00	6.00	-	Water supply all year round	Water supply all year round

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 agreements	Preparation of DPR	Evaluation of DPR	Any other (please specify)	Cost incurred (Rs. In lakh)
East Khasi Hills	East Khasi Hills – IWMP IV	2 no. W/C 12 nos. Sub Watershed Committee at each benefiting village	13 nos.	9 nos.	Participatory Rural Appraisals	N.A	Done	Done	Done	Done	Entry Point Activity	3.00

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												
Sl. No	Name of States	Name of Districts	Name of Projects	Type of structures	Pre Project			Proposed Project												
					No	Area irrigated (ha)	Storage capacity	Augmentation/ repair of existing structures				Construction of new structures				Total target				
								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	East Khasi Hills	East Khasi Hills – IWMP IV	(i) Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(ii) Pond				-	-	-	-	-	-	-	40 nos.	56 Ha	4800 m ³	6.40	40 nos.	56 Ha	4800 m ³	6.40		
(iii) Lake				-	-	-	-	-	-	-	-	-	-	-	-	--	-	-		
(iv) Check Dam				-	-	-	-	-	-	-	40 nos	120 Ha	4800 m ³	12.00	40 nos	120 Ha	4800 m ³	12.00		
(v) Percolation Tank				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
(vi) Channel				-	-	-	-	-	-	-	4538 Rm	10 Ha	-	1.18	4538 Rm	10 Ha	-	1.18		
(vii) Water Harvesting											44 nos	100 Ha	-	14.00	44 nos	100 Ha	-	14.00		
Total													286 Ha	9600 m ³	33.58		286 Ha	9600 m ³	33.58	

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		-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	40 nos.	56 Ha	4800 m ³	6.40	56 Ha	4800 m ³	6.40	4800 m ³	56 Ha
-	-	-	-	40 nos	120 Ha	4800 m ³	12.00	120 Ha	4800 m ³	12.00	4800 m ³	120 Ha
-	-	-	-	4538 Rm	10 Ha	-	1.18	10 Ha		1.18		10 Ha
				44 nos	100 Ha	-	14.00	100Ha		4.00		100 Ha

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)
					No.	Area irrigated (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 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)	Expenditure incurred	No.	Area irrigated (ha)	Expenditure incurred	Area irrigated (ha)	Expenditure incurred	
1	Meghalaya	East Khasi Hills	IWMP-IV	(i)dugout ponds		Nil																	
				(ii)check dam				Nil			Nil					Nil			Nil				
				(iii)water harvesting structures																			
				Total for the project																			

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	Estimate d Cost	Amount of WDF to be collected (Rs.)
		Sl. No.	Type	No.#	Treatment (ha)			
East Khasi Hills	East Khasi Hills – IWMP IV	NA	NA	NA	NA	NA	NA	NA

4.2.4 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	
	NA		NA	NA	NA				NA

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
East Khasi Hills	East Khasi Hills – IWMP IV	1. Stabilized Mud Block	4	1,50,000
		2. Piggery Farming	4	1,60,000
		3. Poultry Farming	4	1,80,000
		4. Food Processing	2	2,00,000
		5. Pisciculture	4	2,50,000

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

4.2.7 Other activities of watershed works phase:

1	2	3		4		5		6		7		8		9		10		11		12		13
District	Names of projects	Ridge area treatment		Drainage line treatment		Nursery raising		Land development		Crop demonstrations		Pasture development		Veterinary services		Fishery development		Non-conventional energy		Any other (please specify) Livelihoods		Total cost incurred (Rs. In lakhs)
		(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	
EKH	IWMP -IV	520.0 Ha	22.72	376 Ha	40.78	-	-	104 Ha	11.50	-	-	-	-	40 units	12.00	16 units	4.00	-	-	478 nos	18.50	109.50

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) Private	(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./ cum./ 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		
East Khasi Hills	IWMP - IV	Staggered trenching																				
		Loose boulder Contour bund			Yes	Yes			Beneficiary	60 Ha				4.50	03/2013-14							
		Graded bunding																				
		Bench terracing			Yes	Yes			Beneficiary	10 Ha				2.00	03/2012-14							
		Earthen checks dams																				
		Masonry check dams		Yes		Yes	Yes		Beneficiary	40 units				12.00	03/2013-14							
		Protection wall		Yes		Yes	Yes		Beneficiary	32 units				7.20	03/2013-14							
		Dug out ponds		Yes		Yes	Yes		Beneficiary	40 Nos				6.40	03/2013-14							
		Water harvesting		Yes		Yes	Yes		Beneficiary	44 Nos				14.00	03/2013-14							
		Field bunds		Yes		Yes	Yes		Beneficiary	9996 Rm				5.00	03/2013-14							
		Any others (pl. specify)																				

Contd.

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	376 Ha	Na	-	Na	-	Na	-	-	6325	58925	41300	100225	-	770	305	465	770

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 completion (mm/yyyy)	Area (ha)	No. of plants	Expenditure incurred (Rs. in lakh)	Actual month & year of completion (mm/yyyy)
		Afforestation															
		Agro-Horticulture				✓			Beneficiary	80 ha	16000 nos	6.88	03/2014	-	-	-	-
		Regeneration												-	-	-	-
		Agro-forestry												-	-	-	-
		Fuel wood															
		Fodder															
		Improvement of degraded forest					✓			440 ha	44000 nos	15.84	03/2014				

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	5/Ha	NA	1500/	NA	Nil	3460	Nil	2560	3460	Nil	270	Nil	155	270

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)	Expenditure incurred (Rs. in lakh)	Actual month & year of completion (mm/yyyy)
East Khasi Hills	IWMP IV	Tailoring				Individual	0.80	03/2014		
		Carpentry				Individual	1.50	03/2014		
		Agri-implements				Individual	2.90	03/2014		
		Apiculture				Individual	0.80	03/2014		
		Small livestock				SHG's & Individual	12.00	03/2014		
		Vegetable Production with compost pit				Individual	9.00	03/2014		
		Food processing				SHG's	1.00	03/2014		
		Pisciculture				SHG's	4.00	03/2014		
		Floriculture				SHG's	1.00	03/2014		
		Stabilized Mud Block Making/Shop Keeping/Food Stalls				SHG's	1.50	03/2014		

(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 column 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	Women	Total	SC	ST	Others	Women	Total
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

4.3 Consolidation and withdrawal phase
Details of activities in the CPRs in the project areas:

1	2	3	4	5	6				7						
Names of the Districts	Names of Projects	Name(s) of the villages	CPR particulars	Activity proposed	Target				Achievement						
					Target area under the activity (ha)	Estimated expenditure (Rs.)	Expected no. of beneficiaries	Estimated contribution to WDF (Rs.)	Area treated under the activity (ha)	Expenditure incurred (Rs.)	Actual no. of beneficiaries	No. of mandays			WDF collected (Rs.)
												SC	ST	F	
East Khasi Hills	Umrapiong IWMP-IV	Mawlum Neng	D/Water	Catchment area protection	5	0.25	8	0.0125							
		Mawlum Rum	D/Water	Catchment area protection	3	0.20	5	0.01							
		Lawmei Pdengshnong	D/Water	Catchment area protection	3	0.20	5	0.01							
		Mawlaiteng	D/Water	Catchment area protection	3	0.20	5	0.01							
		Lawmei Pyllun	D/Water	Catchment area protection	3	0.20	5	0.01							
		Kreit Nongshilliang	D/Water	Catchment area protection	3	0.20	5	0.01							
		Mawlaingut	D/Water	Catchment area protection	3	0.20	5	0.01							
		Kynton Mynnar A	D/Water	Catchment area protection	3	0.20	5	0.01							
		Nongsawiing Pdengshnong	D/Water	Catchment area protection	3	0.20	5	0.01							
		Nongsawiing	D/Water	Catchment area protection	3	0.20	5	0.01							
		Nongmadan	D/Water	Catchment area protection	3	0.20	5	0.01							
	Phud umngeit IWMP-IV	Mawpynthih	D/Water	Maintenance/ Repair of community assets	35	2.25	72	0.1125							
		Total			120	4.50	130	0.225							

CHAPTER V

PROJECT PHASING & BUDGETING

**ACTION PLAN OF IWMP – IV,
TERRITORIAL DIVISION: SHILLONG.**

Name of District: East Khasi Hill
Name of C&RD Block: Mylliem C&RD Block

No. of villages – 12 Nos.
Project Area – 1000 Ha.

BUDGET Head of Account	Sl. No	Activities	I st Year		II nd Year		III rd Year		IV th Year		V th Year		Total	
			Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	3	4	5	6	7	8	9	10	11	12	13	14
2402 – Soil & Water Conservation 800 – Other Expenditure	I	01 - ADMINISTRATIVE EXPENDITURE:												
	A.	01. Administrative cost:												
	i.	Honourarium of WDT Members @ Rs. 5000/ month – 1 no.	-	-	12 months	1.20	12 months	1.20	12 months	1.20	-	-		3.60
	ii.	Hon ^m of Watershed Volunteers @ Rs. 1000/- month – 2 nos.	-	-	12 months	0.48	12 months	0.48	12 months	0.48	-	-		1.44
	iii.	Hon ^m WCO's @ Rs. 750/ month.	-	-	12 months	0.18	12 months	0.18	12 months	0.18	-	-		0.54
	iv.	Hon ^m WCM @ Rs. 100/ month for 15 nos.	-	-	12 months	0.36	12 months	0.36	12 months	0.36	-	-		1.08
	v	Hon ^m Office assistance @ Rs. 3000/- month.	-	-		-	12 months	0.72	12 months	0.72	-	-		1.44
	vi	Hon ^m Chartered Accountant	-	-		0.30	-	0.30	-	0.30	-	-		0.90
	vii	TA/DA of Field Asstt. @ 2500/ month	-	-		-	12 months	0.60	12 months	0.60	-	-		1.20
	viii	Hiring charges of office building @ 1000	-	-		-	12 months	0.24	12 months	0.24	-	-		0.48
	ix.	Hiring charges of vehicle @ 2000/ month	-	-		-	12 months	0.48	-	-	-	-		0.48
	x	Office expenses, POL, Stationeries, printing of SHG's books, pamphlets, tea, snacks etc, cost of camera, computer etc.	-	-		0.48	-	2.94	-	0.42	-	-	-	3.84
		Total of A:	0%	-	2%	3.00	5%	7.50	3%	4.50	0%	-	10%	15.00
800 (Other expenditure) 27 - Minor works.	B.	03. Entry Point Activities:												
	i.	Construction of Drinking Well	16 units	6.00	-	-	-	-	-	-	-	-	16 units	6.00
		Total of B:	4%	6.00	-	-	-	-	-	-	-	-	4%	6.00

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
800 (Other expenditure) 04 – Institution & Capacity Building 20 – Other Administrative expenses	C.	04. Training:												
	i.	Awareness Campaign & Capacity building	2 Nos	0.50	4 Nos	1.00	2 Nos	0.50	-	-	-	-	-	2.00
	ii.	Exposure visits – off. Campus	2 Nos	0.30	4 Nos	0.60	2 Nos	0.30	4 Nos	0.80	-	-	-	2.00
	iii.	Capacity building of SHG's/ UG's.	2 Nos	0.40	4 Nos	0.80	2 Nos	0.40	2 Nos	0.40	-	-	-	2.00
	iv.	Capacity building of WC Members.	2 Nos	0.30	4 Nos	0.60	-	-	2 Nos	0.30	-	-	-	1.20
	v.	Capacity of WDT/WV	-	-	-	-	2 Nos	0.30	-	-	-	-	-	0.30
		Total of C:	1 %	1.50	2 %	3.00	1 %	1.50	1 %	1.50	0 %	-	5 %	7.50
	D.	05. Detailed Project Report:												
	i.	Cost of Resources Inventories works	-	0.26	-	-	-	-	-	-	-	-	-	0.26
	ii.	Cost of PRA Exercises	-	0.50	-	-	-	-	-	-	-	-	-	0.50
	iii.	Cost of Land use Survey works	-	0.50	-	-	-	-	-	-	-	-	-	0.50
	iv.	Cost of formulating	-	0.24	-	-	-	-	-	-	-	-	-	0.24
		Total of D:	1 %	1.50	-	-	-	-	-	-	-	-	1 %	1.50
	E.	02. Monitoring & Evaluation:												
	i.	Monitoring	-	-	0.2%	0.30	0.5%	0.75	0.3%	0.45	-	-	1%	1.50
	ii.	Evaluation	-	-	0.3%	0.45	0.5%	0.75	0.2%	0.30	-	-	1%	1.50
		Total of E:	-	-	0.5%	0.75	1%	1.50	0.5%	0.75	-	-	2 %	3.00
		Total of I (A to E)	6 %	9.00	4.5%	6.75	7%	10.50	4.5%	6.75	-	-	22%	33.00
	II	PROJECT COST:												
	A.	Land Development Treatment:												
	A. i	Bench Terrace @Rs.20,000/Ha		-	10 Ha	2.00	-	-	-	-	-	-	10 Ha	2.00
	A. ii	Contour Bunds: @ Rs.7500/ha		-	10 Ha	0.75	20 Ha	1.50	30 Ha	2.25		-	60 Ha	4.50
	A. iii	Peripheral bunding @ ` 26/RM		-	-	-	5116 Rm	2.56	4880 Rm	2.44	-	-	34 Ha	5.00
		Total of A.		-	-	2.75	-	4.06		4.69	-	-	104 Ha	11.50

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
06. Watershed treatment/ Development works 27 Minor works & Maintenance	B	Ridge Area Treatment												
	B. i.	Agro – Horticulture @ Rs. 8600/Ha	-	-	-	-	80 Ha	4.72	-	2.16	-	-	80 Ha	6.88
	B. ii	Improvement of Degraded forest @ Rs.3600/ha	-	-	440 Ha	3.08	-	8.36	-	4.40	-	-	440 Ha	15.84
		Total of B	0%	-	440 Ha	3.08	80 Ha	13.08	-	6.56	-	-	520 Ha	22.72
	C	Drainage Line Treatment												
	C. i.	Water Harvesting Structures as per Estimate	-	-	8 Nos	2.00	36 Nos	12.00	-	-	-	-	100 Ha	14.00
	C. ii.	Check Dam (Diversion Dam) as per Estimate	-	-	-	-	40 Nos	12.00	-	-	-	-	120 Ha	12.00
	C. iii.	Dug Out Pond @ Rs. 16000/unit	-	-	20 Nos	3.20	20 Nos	3.20	-	-	-	-	56 Ha	6.40
	C. iv.	Run-off Disposal Channel @ Rs. 26/Rm	-	-	846 Rm	0.22	3692 Rm	0.96	-	-	-	-	10 Ha	1.18
	C. v.	Protection Wall @ Rs.22,830	-	-	-	-	32 Nos	7.20	-	-	-	-	90 Ha	7.20
		Total of C	-	-	-	5.42	-	35.36	-	-	-	-	376 Ha	40.78
		Total of II (A to C)	0%	-	7.5%	11.25	35%	52.50	7.5%	11.25	0%	-	50%	75.00
07. Livelihood Activities 27. Minor Works.	D	Livelihood Activities for Landless Person												
	D. i.	Tailoring @ Rs.8000/ Unit	-	-	-	-	-	-	10 units	0.80	-	-	10 units	0.80
	D. ii.	Carpentry @ Rs.5000/Unit	-	-	16 units	0.80	14 units	0.70	-	-	-	-	30 units	1.50
	D. iii.	Agriculture Implements @ Rs. 5000/unit	-	-	14 units	0.70	16 units	0.80	28 units	1.40	-	-	58 units	2.90
	D. iv	Apiculture @ Rs.8000/ Unit	-	-	-	-	-	-	10 units	0.80	-	-	10 units	0.80
	D. v.	Vegetables Production with Compost Pit @ Rs.2500/ Unit	-	-	-	-	120 units	3.00	240 units	6.00	-	-	360 units	9.00
		Total of D	0%	-	1%	1.50	3%	4.50	6%	9.00	0%	-	10%	15.00

	E	08. Production System and Micro Enterprise 27 Minor Works/Maint												
	E. i	Piggery Farming @ Rs.30,000/ Unit	-	-	-	-	10 units	3.00	10 units	3.00	-	-	20 units	6.00
	E. ii	Poultry Farming @ Rs.30,000/Unit	-	-	-	-	10 units	3.00	10 units	3.00	-	-	20 units	6.00
	E. iii	Food Processing including Materials, Equipments, Shed, etc @ Rs.50,000/ Unit	-	-	-	-	-	-	2 units	1.00	-	-	2 units	1.00
	E. iv	Floriculture @ Rs.50,000/ Unit	-	-	-	-	-	-	2 units	1.00	-	-	2 units	1.00
	E. v	Stabilized Mud Block Making/Shop Keeping/Food Stalls @ Rs.25,000/ Unit	-	-	-	-	4 units	1.00	2 units	0.50	-	-	6 units	1.50
	E. vi	Pisciculture @ Rs.25,000/ Unit	-	-	6 units	1.50	2 units	0.50	8 units	2.00	-	-	16 units	4.00
		Total of E	0%	-	1%	1.50	5%	7.50	7%	10.50	0%	-	13%	19.50
		Total of II (A+ B +C + D +E)	0%	-	9.5%	14.25	43 %	64.50	20.5 %	30.75	0%	-	73 %	109.50
	F	09. Consolidation Phase & Withdrawal Works 27. Minor Works/Maint												
		a) Repairs, Maintenance of CPR	-	-	-	-	-	-	-	-	2%	3.00	2%	3.00
		b) Improving the Sustainability of various intervention	-	-	-	-	-	-	-	-	1%	1.50	1%	1.50
		16. c) Documentation of Successful Experience and preparation of completion Report.	-	-	-	-	-	-	-	-	2%	3.00	2%	3.00
		Total of F	0%	-	0%	-	0%	-	0%	-	5%	7.50	5%	7.50
		Grand Total of I + II + F	6 %	9.00	14%	21.00	50 %	75.00	25 %	37.50	5%	7.50	100 %	150.00

**ACTION PLAN OF PHUD - UMNGEIT WATERSHED UNDER IWMP – IV,
TERRITORIAL DIVISION: SHILLONG.**

Name of District: East Khasi Hill
Name of C&RD Block: Mylliem C&RD Block

No. of villages – 1 No.
Project Area – 500 Ha.

BUDGET Head of Account	Sl. No	Activities	I st Year		II nd Year		III rd Year		IV th Year		V th Year		Total	
			Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	3	4	5	6	7	8	9	10	11	12	13	14
2402 – Soil & Water Conservation 800 – Other Expenditure	I	01 - ADMINISTRATIVE EXPENDITURE:												
	A.	01. Administrative cost:												
	i.	Honourarium of WDT Members @ Rs. 5000/ month – 1 no.	-	-	12 months	0.60	12 months	0.60	12 months	0.60	-	-		1.80
	ii.	Hon ^{rm} of Watershed Volunteers @ Rs. 1000/- month – 2 nos.	-	-	12 months	0.24	12 months	0.24	12 months	0.24	-	-		0.72
	iii.	Hon ^{rm} WCO's @ Rs. 750/ month.	-	-	12 months	0.09	12 months	0.09	12 months	0.09	-	-		0.27
	iv.	Hon ^{rm} WCM @ Rs. 100/ month for 15 nos.	-	-	12 months	0.18	12 months	0.18	12 months	0.18	-	-		0.54
	v	Hon ^{rm} Office assistance @ Rs. 3000/- month.	-	-		-	12 months	0.36	12 months	0.36	-	-		0.72
	vi	Hon ^{rm} Chartered Accountant	-	-		0.15	-	0.15	-	0.15	-	-		0.45
	vii	TA/DA of Field Asstt. @ 2500/ month	-	-		-	12 months	0.30	12 months	0.30	-	-		0.60
	viii	Hiring charges of office building @ 1000/ month	-	-		-	12 months	0.12	12 months	0.12	-	-		0.24
	ix.	Hiring charges of vehicle @ 2000/ month	-	-		-	12 months	0.24	-	-	-	-		0.24
	x	Office expenses, POL, Stationeries, printing of SHG's books, pamphlets, tea, snacks etc, cost of camera, computer etc.	-	-		0.24	-	1.47	-	0.21	-	-		1.92
		Total of A:	0%	-	2%	1.50	5%	3.75	3%	2.25	0%	-	10%	7.50
800 (Other expenditure) 27 - Minor works.	B.	03. Entry Point Activities:												
	i.	Construction of Drinking Well	8 units	3.00	-	-	-	-	-	-	-	-	8 units	3.00
		Total of B:	4%	3.00	-	-	-	-	-	-	-	-	4%	3.00

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
800 (Other expenditure) 04 – Institution & Capacity Building 20 – Other Administrative expenses	C.	04. Training:												
	i.	Awareness Campaign & Capacity building	1 No	0.25	2 Nos	0.50	1 No	0.25	-	-	-	-	-	1.00
	ii.	Exposure visits – off. Campus	1 No	0.15	2 Nos	0.30	1 No	0.15	2 Nos	0.40	-	-	-	1.00
	iii.	Capacity building of SHG's/ UG's.	1 No	0.20	2 Nos	0.40	1 No	0.20	1 No	0.20	-	-	-	1.00
	iv.	Capacity building of WC Members.	1 No	0.15	2 Nos	0.30	-	-	1 No	0.15	-	-	-	0.60
	v.	Capacity of WDT/WV	-	-	-	-	1 No	0.15	-	-	-	-	-	0.15
		Total of C:	1 %	0.75	2%	1.50	1 %	0.75	1%	0.75	0%	-	5%	3.75
	D.	05. Detailed Project Report:												
	i.	Cost of Resources Inventories works	-	0.13	-	-	-	-	-	-	-	-	-	0.13
	ii.	Cost of PRA Exercises	-	0.25	-	-	-	-	-	-	-	-	-	0.25
	iii.	Cost of Land use Survey works	-	0.25	-	-	-	-	-	-	-	-	-	0.25
	iv.	Cost of formulating	-	0.12	-	-	-	-	-	-	-	-	-	0.12
		Total of D:	1%	0.75	-	-	-	-	-	-	-	-	1%	0.75
	E.	02. Monitoring & Evaluation:												
	i.	Monitoring	-	-	0.2%	0.15	0.5%	0.375	0.3%	0.225	-	-	1%	0.75
	ii.	Evaluation	-	-	0.3%	0.225	0.5%	0.375	0.2%	0.15	-	-	1%	0.75
		Total of E:	-	-	0.5%	0.375	1%	0.75	0.5%	0.375	-	-	2%	1.50
		Total of I (A to E)	6%	4.50	4.5%	3.375	7%	5.25	4.5%	3.375	-	-	22%	16.50
	II	PROJECT COST:												
	A.	Land Development Treatment:												
	A. i	Bench Terrace @Rs.20,000/Ha		-	5 Ha	1.00	-	-	-	-	-	-	5 Ha	1.00
	A. ii	Contour Bunds: @ Rs.7500/ha		-	5 Ha	0.375	10 Ha	0.75	15 Ha	1.125		-	30 Ha	2.25
	A. iii	Peripheral bunding @ ` 26/RM		-			2558 Rm	1.28	2440 Rm	1.22	-	-	17 Ha	2.50
		Total of A.		-		1.375		2.03		2.345	-	-	52 Ha	5.75

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
06. Watershed treatment/ Development works 27 Minor works & Maintenance	B	Ridge Area Treatment												
	B. i.	Agro – Horticulture @ Rs. 8600/Ha	-	-	-	-	40 Ha	2.36	-	1.08	-	-	40 Ha	3.44
	B. ii	Improvement of Degraded forest @ Rs.3600/ha	-	-	220 Ha	1.54	-	4.18	-	2.20	-	-	220 Ha	7.92
		Total of B	0%	-	220 Ha	1.54	40 Ha	6.54	-	3.28	-	-	260 Ha	11.36
	C	Drainage Line Treatment												
	C. i.	Water Harvesting Structures as per Estimate	-	-	4 Nos	1.00	18 Nos	6.00	-	-	-	-	50 Ha	7.00
	C. ii.	Check Dam (Diversion Dam) as per Estimate	-	-	-	-	20 Nos	6.00	-	-	-	-	60 Ha	6.00
	C. iii.	Dug Out Pond @ Rs. 16000/unit	-	-	10 Nos	1.60	10 Nos	1.60	-	-	-	-	28 Ha	3.20
	C. iv.	Run-off Disposal Channel @ Rs. 26/Rm	-	-	423 Rm	0.11	1846 Rm	0.48	-	-	-	-	5 Ha	0.59
	C. v.	Protection Wall @ Rs.22,830	-	-	-	-	16 Nos	3.60	-	-	-	-	45 Ha	3.60
		Total of C	-	-	-	2.71	-	17.68	-	-	-	-	188 Ha	20.39
		Total of II (A to C)	0%	-	7.5%	5.625	35%	26.25	7.5%	5.625	0%	-	50%	37.50
07. Livelihood Activities 27. Minor Works.	D	Livelihood Activities for Landless Person												
	D. i.	Tailoring @ Rs.8000/ Unit	-	-	-	-	-	-	5 units	0.40	-	-	5 units	0.40
	D. ii.	Carpentry @ Rs.5000/Unit	-	-	8 units	0.40	7 units	0.35	-	-	-	-	15 units	0.75
	D. iii.	Agriculture Implements @ Rs. 5000/unit	-	-	7 units	0.35	8 units	0.40	14 units	0.70	-	-	29 units	1.45
	D. iv	Apiculture @ Rs.8000/ Unit	-	-	-	-	-	-	5 units	0.40	-	-	5 units	0.40
	D. v.	Vegetables Production with Compost Pit @ Rs.2500/ Unit	-	-	-	-	60 units	1.50	120 units	3.00	-	-	180 units	4.50
		Total of D	0%	-	1%	0.75	3%	2.25	6%	4.50	0%	-	10%	7.50

	E	08. Production System and Micro Enterprise 27 Minor Works/Maint												
	E. i	Piggery Farming @ Rs.30,000/ Unit	-	-	-	-	5 units	1.50	5 units	1.50	-	-	10 units	3.00
	E. ii	Poultry Farming @ Rs.30,000/Unit	-	-	-	-	5 units	1.50	5 units	1.50	-	-	10 units	3.00
	E. iii	Food Processing including Materials, Equipments, Shed, etc @ Rs.50,000/ Unit	-	-	-	-	-	-	1 unit	0.50	-	-	1 unit	0.50
	E. iv	Floriculture @ Rs.70,000/ Unit	-	-	-	-	-	-	1 unit	0.50	-	-	1 unit	0.50
	E. v	Stabilized Mud Block Making @ Rs.25000/ Unit	-	-	-	-	2 units	0.50	1 unit	0.25	-	-	3 units	0.75
	E. vi	Pisciculture @ Rs.25,000/ Unit	-	-	3 units	0.75	1 unit	0.25	4 units	1.00	-	-	8 units	2.00
		Total of E	0%	-	1%	0.75	5%	3.75	7%	5.25	0%	-	13%	9.75
		Total of II (A+ B +C + D +E)	0%	-	9.5%	7.125	43%	32.25	20.5%	15.375	0%	-	73 %	54.75
	F	09. Consolidation Phase & Withdrawal Works 27. Minor Works/Maint												
		a) Repairs, Maintenance of CPR	-	-	-	-	-	-	-	-	2%	1.50	2%	1.50
		b) Improving the Sustainability of various intervention	-	-	-	-	-	-	-	-	1%	0.75	1%	0.75
		16. c) Documentation of Successful Experience and preparation of completion Report.	-	-	-	-	-	-	-	-	2%	1.50	2%	1.50
		Total of F	0%	-	0%	-	0%	-	0%	-	5%	3.75	5%	3.75
		Grand Total of I + II + F	6 %	4.50	14%	10.50	50 %	37.50	25 %	18.75	5 %	3.75	100 %	75.00

**ACTION PLAN OF UMRAPIONG WATERSHED UNDER IWMP – IV,
TERRITORIAL DIVISION: SHILLONG.**

Name of District: East Khasi Hill
Name of C&RD Block: Myllem C&RD Block

No. of villages – 11 NoS.
Project Area – 500 Ha.

BUDGET Head of Account	Sl. No	Activities	I st Year		II nd Year		III rd Year		IV th Year		V th Year		Total	
			Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	3	4	5	6	7	8	9	10	11	12	13	14
2402 – Soil & Water Conservation 800 – Other Expenditure	I	01 - ADMINISTRATIVE EXPENDITURE:												
	A.	01. Administrative cost:												
	i.	Honourarium of WDT Members @ Rs. 5000/ month – 1 no.	-	-	12 months	0.60	12 months	0.60	12 months	0.60	-	-		1.80
	ii.	Hon tm of Watershed Volunteers @ Rs. 1000/- month – 2 nos.	-	-	12 months	0.24	12 months	0.24	12 months	0.24	-	-		0.72
	iii.	Hon tm WCO's @ Rs. 750/ month.	-	-	12 months	0.09	12 months	0.09	12 months	0.09	-	-		0.27
	iv.	Hon tm WCM @ Rs. 100/ month for 15 nos.	-	-	12 months	0.18	12 months	0.18	12 months	0.18	-	-		0.54
	v	Hon tm Office assistance @ Rs. 3000/- month.	-	-		-	12 months	0.36	12 months	0.36	-	-		0.72
	vi	Hon tm Chartered Accountant	-	-		0.15	-	0.15	-	0.15	-	-		0.45
	vii	TA/DA of Field Asstt. @ 2500/ month	-	-		-	12 months	0.30	12 months	0.30	-	-		0.60
	viii	Hiring charges of office building @ 1000/ month	-	-		-	12 months	0.12	12 months	0.12	-	-		0.24
	ix.	Hiring charges of vehicle @ 2000/ month	-	-		-	12 months	0.24	-	-	-	-		0.24
	x	Office expenses, POL, Stationeries, printing of SHG's books, pamphlets, tea, snacks etc, cost of camera, computer etc.	-	-		0.24	-	1.47	-	0.21	-	-		1.92
		Total of A:	0%	-	2%	1.50	5%	3.75	3%	2.25	0%	-	10%	7.50
800 (Other expenditure) 27 - Minor works.	B.	03. Entry Point Activities:												
	i.	Construction of Drinking Well	8 units	3.00	-	-	-	-	-	-	-	-	8 units	3.00
		Total of B:	4%	3.00	-	-	-	-	-	-	-	-	4%	3.00

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
800 (Other expenditure) 04 – Institution & Capacity Building 20 – Other Administrative expenses	C.	04. Training:												
	i.	Awareness Campaign & Capacity building	1 No	0.25	2 Nos	0.50	1 No	0.25	-	-	-	-	-	1.00
	ii.	Exposure visits – off. Campus	1 No	0.15	2 Nos	0.30	1 No	0.15	2 Nos	0.40	-	-	-	1.00
	iii.	Capacity building of SHG's/ UG's.	1 No	0.20	2 Nos	0.40	1 No	0.20	1 No	0.20	-	-	-	1.00
	iv.	Capacity building of WC Members.	1 No	0.15	2 Nos	0.30	-	-	1 No	0.15	-	-	-	0.60
	v.	Capacity of WDT/WV	-	-	-	-	1 No	0.15	-	-	-	-	-	0.15
		Total of C:	1 %	0.75	2%	1.50	1 %	0.75	1%	0.75	0%	-	5%	3.75
	D.	05. Detailed Project Report:												
	i.	Cost of Resources Inventories works	-	0.13	-	-	-	-	-	-	-	-	-	0.13
	ii.	Cost of PRA Exercises	-	0.25	-	-	-	-	-	-	-	-	-	0.25
	iii.	Cost of Land use Survey works	-	0.25	-	-	-	-	-	-	-	-	-	0.25
	iv.	Cost of formulating	-	0.12	-	-	-	-	-	-	-	-	-	0.12
		Total of D:	1%	0.75	-	-	-	-	-	-	-	-	1%	0.75
	E.	02. Monitoring & Evaluation:												
	i.	Monitoring	-	-	0.2%	0.15	0.5%	0.375	0.3%	0.225	-	-	1%	0.75
	ii.	Evaluation	-	-	0.3%	0.225	0.5%	0.375	0.2%	0.15	-	-	1%	0.75
		Total of E:	-	-	0.5%	0.375	1%	0.75	0.5%	0.375	-	-	2%	1.50
		Total of I (A to E)	6%	4.50	4.5%	3.375	7%	5.25	4.5%	3.375	-	-	22%	16.50
	II	PROJECT COST:												
	A.	Land Development Treatment:												
	A. i	Bench Terrace @Rs.20,000/Ha		-	5 Ha	1.00	-	-	-	-	-	-	5 Ha	1.00
	A. ii	Contour Bunds: @ Rs.7500/ha		-	5 Ha	0.375	10 Ha	0.75	15 Ha	1.125		-	30 Ha	2.25
	A. iii	Peripheral bunding @ ` 26/RM		-			2558 Rm	1.28	2440 Rm	1.22	-	-	17 Ha	2.50
		Total of A.		-		1.375		2.03		2.345	-	-	52 Ha	5.75

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
06. Watershed treatment/ Development works 27 Minor works & Maintenance	B	Ridge Area Treatment												
	B. i.	Agro – Horticulture @ Rs. 8600/Ha	-	-	-	-	40 Ha	2.36	-	1.08	-	-	40 Ha	3.44
	B. ii	Improvement of Degraded forest @ Rs.3600/ha	-	-	220 Ha	1.54	-	4.18	-	2.20	-	-	220 Ha	7.92
		Total of B	0%	-	220 Ha	1.54	40 Ha	6.54	-	3.28	-	-	260 Ha	11.36
	C	Drainage Line Treatment												
	C. i.	Water Harvesting Structures as per Estimate	-	-	4 Nos	1.00	18 Nos	6.00	-	-	-	-	50 Ha	7.00
	C. ii.	Check Dam (Diversion Dam) as per Estimate	-	-	-	-	20 Nos	6.00	-	-	-	-	60 Ha	6.00
	C. iii.	Dug Out Pond @ Rs. 16000/unit	-	-	10 Nos	1.60	10 Nos	1.60	-	-	-	-	28 Ha	3.20
	C. iv.	Run-off Disposal Channel @ Rs. 26/Rm	-	-	423 Rm	0.11	1846 Rm	0.48	-	-	-	-	5 Ha	0.59
	C. v.	Protection Wall @ Rs.22,830	-	-	-	-	16 Nos	3.60	-	-	-	-	45 Ha	3.60
		Total of C	-	-	-	2.71	-	17.68	-	-	-	-	188 Ha	20.39
		Total of II (A to C)	0%	-	7.5%	5.625	35%	26.25	7.5%	5.625	0%	-	50%	37.50
07. Livelihood Activities 27. Minor Works.	D	Livelihood Activities for Landless Person												
	D. i.	Tailoring @ Rs.8000/ Unit	-	-	-	-	-	-	5 units	0.40	-	-	5 units	0.40
	D. ii.	Carpentry @ Rs.5000/Unit	-	-	8 units	0.40	7 units	0.35	-	-	-	-	15 units	0.75
	D. iii.	Agriculture Implements @ Rs. 5000/unit	-	-	7 units	0.35	8 units	0.40	14 units	0.70	-	-	29 units	1.45
	D. iv	Apiculture @ Rs.8000/ Unit	-	-	-	-	-	-	5 units	0.40	-	-	5 units	0.40
	D. v.	Vegetables Production with Compost Pit @ Rs.2500/ Unit	-	-	-	-	60 units	1.50	120 units	3.00	-	-	180 units	4.50
		Total of D	0%	-	1%	0.75	3%	2.25	6%	4.50	0%	-	10%	7.50

	E	08. Production System and Micro Enterprise 27 Minor Works/Maint												
	E. i	Piggery Farming @ Rs.30,000/ Unit	-	-	-	-	5 units	1.50	5 units	1.50	-	-	10 units	3.00
	E. ii	Poultry Farming @ Rs.30,000/Unit	-	-	-	-	5 units	1.50	5 units	1.50	-	-	10 units	3.00
	E. iii	Food Processing including Materials, Equipments, Shed, etc @ Rs.50,000/ Unit	-	-	-	-	-	-	1 unit	0.50	-	-	1 unit	0.50
	E. iv	Floriculture @ Rs.70,000/ Unit	-	-	-	-	-	-	1 unit	0.50	-	-	1 unit	0.50
	E. v	Stabilized Mud Block Making @ Rs.25000/ Unit	-	-	-	-	2 units	0.50	1 unit	0.25	-	-	3 units	0.75
	E. vi	Pisciculture @ Rs.25,000/ Unit	-	-	3 units	0.75	1 unit	0.25	4 units	1.00	-	-	8 units	2.00
		Total of E	0%	-	1%	0.75	5%	3.75	7%	5.25	0%	-	13%	9.75
		Total of II (A+ B +C + D +E)	0%	-	9.5%	7.125	43%	32.25	20.5%	15.375	0%	-	73 %	54.75
	F	09. Consolidation Phase & Withdrawal Works 27. Minor Works/Maint												
		a) Repairs, Maintenance of CPR	-	-	-	-	-	-	-	-	2%	1.50	2%	1.50
		b) Improving the Sustainability of various intervention	-	-	-	-	-	-	-	-	1%	0.75	1%	0.75
		16. c) Documentation of Successful Experience and preparation of completion Report.	-	-	-	-	-	-	-	-	2%	1.50	2%	1.50
		Total of F	0%	-	0%	-	0%	-	0%	-	5%	3.75	5%	3.75
		Grand Total of I + II + F	6 %	4.50	14%	10.50	50 %	37.50	25 %	18.75	5 %	3.75	100 %	75.00

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	Community land	Others (pl. specify)	Total area (ha)
												a) Temporary fallow	b) Permanent					
1	Meghalaya	East Khasi Hills	East Khasi Hills – IWMP IV	2010-11	2010-11	2014-15	1000 Ha	150 Lakhs	Umrapiang 3C1B5A3D	340 Ha	15	92	30	480	160	35	12	687 Ha
									Phud Umngeit 3C1B5e3a	250 Ha	nil	180	150	-	120	-	-	580

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 contribution	Name	Financial contribution	Name	Financial contribution	Name	Financial contribution	
East Khasi Hills	East Khasi Hills – IWMP IV	135.00 lakhs	15.00 lakhs	NREGS	30.00	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	180.00

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

1	2	3	4	5				6				
Sl. No.	Names of States	Name of Districts	Names of Projects	Distt. Agency's Project Account details				Watershed Committee (WC) account details:				
				Name of the Bank and Branch where project account has been opened	Account Number (to be obtained confidentially)	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 confidentially)	Account type (Savings / current others)	Name & Designation of authorized persons who operate the account.
1	Megha laya	East Khasi Hills	East Khasi Hills – IWMP IV	State Bank of India, Polo Branch	31641746710	Saving	Shri A. Kharlukhi, DS&WCO	1.Umrapiong Watershed Committee	SBI, Polo	31692899053	Saving	Shri A S Kharlukkhii Project Leader Shri P. Mawlong Chairman W.C, Shri ABS Swer Secretary W.C,
	Megha laya	East Khasi Hills	East Khasi Hills – IWMP IV	State Bank of India, Polo Branch	31641746710	Saving	Shri A. Kharlukhi, DS&WCO	2. Phud-Umngait Watershed Committee	SBI, Polo	31722607844	Saving	Shri A S Kharlukkhii Project Leader Shri A S Kharlawphlang Chairman W.C, Smti P P Lyngdoh Secretary W.C,

Details of Convergence of IWMP with other Schemes:

	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) [#]		
1	East Khasi Hills	East Khasi Hills – IWMP IV	* Community Rural Development Department NREGS	30.00	Tail – end Convergence for Agro-Horticulture and Forestry Programme.	-	District and Block Level

Note:

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				
EKH	IWMP IV	NA	NA			NA	NA	NA	NA	NA	NA

* 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.

TO WHOM IT MAY CONCERN

This is to certify that a decision has been taken in principle to converge the IWMP projects proposed by the Divisional Officer, Soil & Water Conservation, Shillong (T) Division, Shillong with MGNREGS.




Deputy Commissioner
&
District Programme Co-Ordinator(MGNREGS)
East Khasi Hills District
Shillong

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 ^{\$}	Accreditation details	Performance				
								Reference 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	Director	Don-Bosco	Agri-Horti, Animal Husbandry, Entrepreneurship	NA					
4		ICAR	Umiam	Director	Central Govt.	Do	NA					
5		VTC	Kyrdem Kulai	Director	State Govt.	Animal Husbandry	NA					
6		Fruit Garden	Shillong	Director	State 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 31/03/2011 (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)
SLNA			60 Nos.	-	DoLR	-	1.50	-
DRDA/ZP cell			30 Nos.	-				
PIAs			30Nos.	-				
WDTs			12 Nos.	-				
UGs			25 Nos.	-				
SHGs			20 Nos.	-				
WCs			16 Nos.	-				
GPs			15 Nos.	-				
Community			250 Nos.	-				
Others Pl. specify)								

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

	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	0.50	0.50	Covered farmers of 12 villages
2.	Exposure Visits	S&WC (T) Division	0.30	0.30	Visit to ICAR during the farmers mela
3.	Capacity Building SHG/UG	S&WC (T) Division	0.40	0.40	Conducted at Mawlum Neng and Mawpynthih
4.	Capacity Building WC	S&WC (T) Division	0.30	0.30	Conducted at Mawlum Rum and Mawpynthih
5.	Capacity Building WDT	S&WC (T) Division	-	-	-

CHAPTER VII
EXPECTED OUTCOME

CHAPTER VII
EXPECTED OUTCOME

Table 7.1 Employment related outcomes:

SI 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.	Mawlum Neng	-	100 %	2760	3360	6120	-	100 %	71	83	154	-	100 %	5	9	14
2.	Mawlum Rum	-	100 %	2600	3160	5760	-	100 %	68	78	146	-	100 %	6	2	8
3.	Lawmei Pdengshnong	-	100 %	2150	2740	4890	-	100 %	53	69	122	-	100 %	4	18	22
4.	Mawlaiteng	-	100 %	1740	2220	3960	-	100 %	48	54	102	-	100 %	5	7	12
5.	Lawmei Pyllun	-	100 %	1580	2020	3600	-	100 %	43	49	92	-	100 %	4	21	25
6.	Kreit Nongshilliang	-	100 %	1160	1420	2580	-	100 %	33	34	67	-	100 %	6	9	15
7.	Mawlaingut	-	100 %	1060	1160	2220	-	100 %	20	38	58	-	100 %	4	11	15
8	Kynton Mynnar A	-	100 %	1100	1120	2220	-	100 %	27	29	56	-	100 %	8	7	15
9	Nongsawiing Pdengshnong	-	100 %	240	300	540	-	100 %	6	8	14	-	100 %	2	3	5
10	Nongsawiing	-	100 %	230	250	480	-	100 %	5	7	12	-	100 %	4	-	4
11	Nongmadan	-	100 %	220	260	480	-	100 %	4	6	10	-	100 %	4	-	4
12	Mawpynthih		100 %	21900	10950	32850	-	100 %	80	120	200	-	100 %	35	25	60
TOTAL				36740	28960	65700	-	100 %	458	575	1033	-	100 %	87	112	199

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
East Khasi Hills	IWMP IV	Mawlum Neng Mawlum Rum Lawmei Pdengshnong Lawmei Pyllun Mawlaiteng Kreit Nongshillong Mawlaingut Kynton Mynnar A Nongsawiing Pdengshnong Nongsawiing Nongmadan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	IWMP IV	Mawpynthih	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

* 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 from 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		Total (Rs. in lakh)
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)	
28960	28.96	605	0.91	87 nos.	15.00	26.42

* 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	
East Khasi Hills District	EKH-IWMP-IV	Mawlum Neng	Community Forest	Fw;Wd,Wi	All year	-	77	-	77	Nil
		Mawlum Rum	Community Forest	Fw;Wd,Wi	All year	-	73	-	73	Nil
		Lawmei Pdengshnong	Community Forest	Fw;Wd,Wi	All year	-	61	-	61	Nil
		Mawlaiteng	Community Forest	Fw;Wd,Wi	All year	-	50	-	50	Nil
		Lawmei Pyllun	Community Forest	Fw;Wd,Wi	All year	-	45	-	45	Nil
		Kreit Nongshilliang	Community Forest	Fw;Wd,Wi	All year	-	33	-	33	Nil
		Mawlaingut	Community Forest	Fw;Wd,Wi	All year		28		28	Nil
		Kynton Mynnar A	Community Forest	Fw;Wd,Wi	All year		28		28	Nil
		Nongsawiing Pdengshnong	Community Forest	Fw;Wd,Wi	All year		07		07	Nil
		Nongsawiing	Community Forest	Fw;Wd,Wi	All year		06		06	Nil
		Nongmadan	Community Forest	Fw;Wd,Wi	All year		05		05	Nil
		Mawpynthih	Community Forest	Fw;Wd,Wi	All year	-	313	-	313	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
East Khasi Hills District	EKH-IWMP IV	Open wells	-	-	-	-	-
		Bore wells	-	-	-	-	-
		Others (specify) Springs	-	-	-	-	-

* 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 months in a year)			Quality of drinking water			Comments
		Pre-project	Post-project	Change in availability	Pre-project	Post-project	Change in quality	
East Khasi Hills District	EKH-IWMP IV	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
East Khasi Hills District	EKH-IWMP IV	-	-	-	-	-
		-	-	-	-	-

* 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 Kharif 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.
East Khasi Hills District	EKH-IWMP IV	Paddy	-	35	-	26	-	4550	8	30	28	26	224	780	45	10	32.5	26	14625	260
		Cabbage	-	100	-	200	-	3000	20	85	220	200	4400	17000	100	25	250	200	25000	5000
		Cauliflower	-	80	-	187	-	14960	10	75	205	187	2050	14025	90	10	232	187	20880	3000
		Carrot	-	70	-	170	-	11900	20	50	187	170	3740	8500	80	7.5	212	170	16960	1275
		Potato	-	168	-	70	-	11760	60	120	77	70	4620	8400	200	10	87.5	70	17500	700

* 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	East Khasi Hills District	EKH-IWMP IV	Potato	-	68	-	70	-	4760	30	58	77	70	2310	4060	80	5	87.5	70	7000	350
				Cabbage	-	100	-	200	-	3000	20	85	220	200	4400	17000	100	25	250	200	25000	5000
				Carrot	-	70	-	170	-	11900	20	50	187	170	3740	8500	80	7.5	212	170	16960	1275
				Cauliflower	-	80	-	187	-	14960	75	205	187	2050	14025	90	10	232	300	20880	3000	80
			Total for the District																			

* 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					
SI 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	East Khasi Hills District	EKH-IWMP IV	Potato	-	168	-	70	-	11760	60	120	77	70	4620	8400	200	10	87.5	70	17500	700
			Total for the District																			

* 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		
District	Name of project	Duration of Project	Existing area under fodder (ha)			Achievement (ha)		
			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
East Khasi Hills District	EKH-IWMP IV	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		
District	Name of project	Duration of Project	Existing area tree cover (ha)			Achievement (ha)		
			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
East Khasi Hills District	EKH-IWMP IV	5 yrs	LULC Map NESAC, Umiam	2005 - 06	188 Ha	440 Ha	Yet to be covered	-

* 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		
District	Name of project	Duration of Project	Existing area under horticulture (ha)			Achievement (ha)		
			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
East Khasi Hills District	EKH-IWMP IV	5 yrs	LULC Map NESAC, Umiam	2005 - 06	-	80 Ha	Yet to be covered	-

* 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		
District	Name of project	Duration of Project	Existing area under fodder (ha)			Achievement (ha)		
			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
East Khasi Hills District	EKH-IWMP IV	5 yrs	LULC Map NESAC, Umiam	2005 - 06	-	440 Ha	-	-

* 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 litres, 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	
East Khasi Hills District	EKH-IWMP IV	Piggery	777	-	4.8	NA	NA	NA	NA	NA	NA	
		Poultry	1547	-	2.60	NA	NA	NA	NA	NA	NA	
		Cattle	140	-	-	-						
		Goatery	65	-	-	-						
	Total for all projects											
Total for all Districts												

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				
District	Pro ject	Name of activity	Fund required for the activity (Rs.)	Sources of funding (Rs.)				Actual Expendit ure incurred on activity (Rs.)	No. of beneficiaries trained					No. of beneficiaries taking up activity				
				Project Fund	Benefi -ciary	Others (pl. specify)	Total		S C	ST	Othe rs	Wome n	Tot al	SC	ST	Oth ers	Wo men	Total
East Khasi Hills District	EKH-IWMP IV	Tailoring	80000/-	60000/	20000/-	-	80000/-			5		5	10		5		5	10
		Carpentry	150000/-	120000/	30000/-	-	150000/-			20			20		20			20
		Agri - implements	290000/-	220000/	70000/-	-	290000/-			20			20		20			20
		Apiculture	80000/-	60000/	20000/-	-	80000/-			5		5	10		5		5	10
		Vegetable Production with Compost Pit	900000/-	825000/	75000/-	-	900000/-					50	50				50	50

(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	
NIL			-	-	-	25	-
			-	-	-	-	-
			-	-	-	-	-
			-	-	-	-	-
			-	-	-	-	-

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	Benef i -ciary	Others (pl. specify)	Total		SF	MF	LF	Total	SF	MF	LF	Total
East Khasi Hills District	EKH-IWMP IV	i) Food processing	1.00	0.90	0.10	-	1.00	-	-	-	-	24	-	-	-	24
		ii) Floriculture	1.00	0.90	0.10	-	1.00	-	-	-	-	12	-	-	-	12
		iii) Small livestock enterprise	12.00	10.00	2.00	-	12.00	-	-	-	-	60	-	-	-	60
		iv) Stabilized Mud Block Making/ Shop Keeping/ Food Stall	1.50	1.20	0.30	-	1.50	-	-	-	-	25	-	-	-	25
		v) Pisciculture	4.00	3.50	0.50	-	4.00	-	-	-	-	30	-	-	-	30

* 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	
-	-	-	NA	-	NA	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

**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.)
East Khasi Hills District	EKH-IWMP IV	(A) Backward linkages			
		(i) Seed certification	-	-	-
		(ii) Seed supply system	-	-	-
		(iii) Fertilizer supply system	-	-	-
		(iv) Pesticide supply system	-	-	-
		(v) Credit institutions	-	4	10
		(vi) Water supply	-	-	2
		(vii) Extension services	-	20	30
		(viii) Nurseries	-	-	1 no.
		(ix) Tools/machinery suppliers	-	2	2
		(x) Price Support system	-	-	-
		(xi) Labour	-	800	1000
		(xii) Any other (please specify)	-	-	-
		(A) Forward linkages		-	-
		(i) Harvesting/threshing machinery	-	-	-
		(ii) Storage (including cold storage)	-	1 no.	1 no.
		(iii) Road network	-	-	-
		(iv) Transport facilities	-	2 nos.	2 nos.
		(v) Markets / Mandis	-	1 no.	1 no.
		(vi) Agro and other Industries	-	120 nos.	150 nos.
		(vii) Milk and other collection centres	-	-	-
		(viii) Labour	-	1200	1800
		(ix) Any other (please specify)	-	-	-

* 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
1	M E G H A L A Y A	Status of water table		-	-	
		Ground water structures repaired/ rejuvenated		-	6 nos.	
		Quality of drinking water		Moderate potable	Improved	
		Availability of drinking water		Insufficient	Sufficient	
		Increase in irrigation potential		-	286 Ha.	
		Change in cropping/ land use pattern		Mono - Cropping	Multiple Cropping	
		Area under agricultural crop				
		i Area under single crop		-	-	
		ii Area under double crop		400 ha	600 ha	
		iii Area under multiple crop		250 ha	400 ha	
		Net increase in crop production area				
		Increase in area under vegetation		-	150 ha	
		Increase in area under horticulture		-	200 ha	
		Increase in area under fuel & fodder		-	100 ha	
		Increase in milk production		-	-	
		No. of SHGs		2 nos.	10 nos.	
		Increase in no. of livelihoods		-	12 nos.	
		Increase in income		-	45,000	
		Migration		-	-	
		No. of school going children		120 nos.	350 nos.	
		SHG Federations formed		-	-	
		Credit linkage with banks		-	15 nos.	
		Resource use agreements		-	7 nos.	
		WDF collection & management		-	1 no.	
		Summary of lessons learnt	May be attached as a separate file			

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
East Khasi Hills District	EKH-IWMP IV	Umrapiiong Phudumngeit	As per Treatment Plan	117.00 lakhs	147.00 Lakhs	117.00 Lakhs	-	1: 1.25	-

* 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

ANNEXURE I

MAPS

Location Map

Meghalaya

West Garo Hills

East Garo Hills

West Jaintia Hills

Ri-Bhoi

Jaintia Hills

East Khasi Hills

Mawlynnong

Mawphlang

Mawddok

Mawkyaw

Pynursia

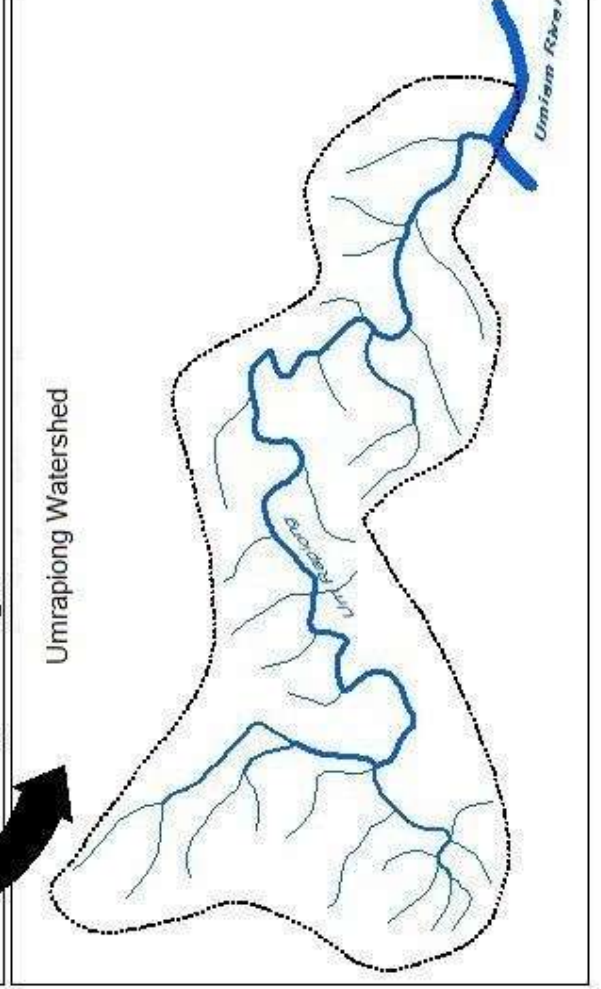
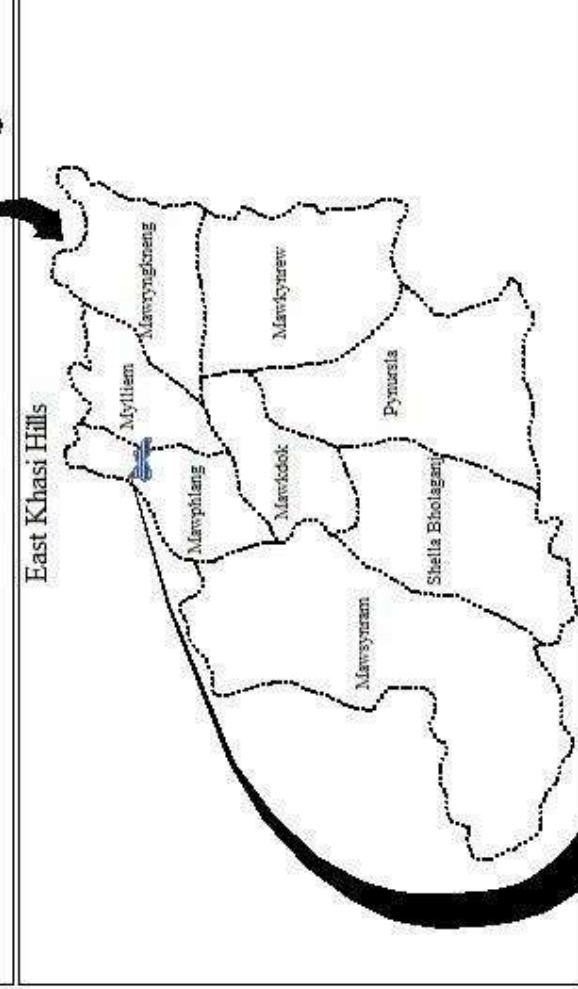
Shella Bholagang

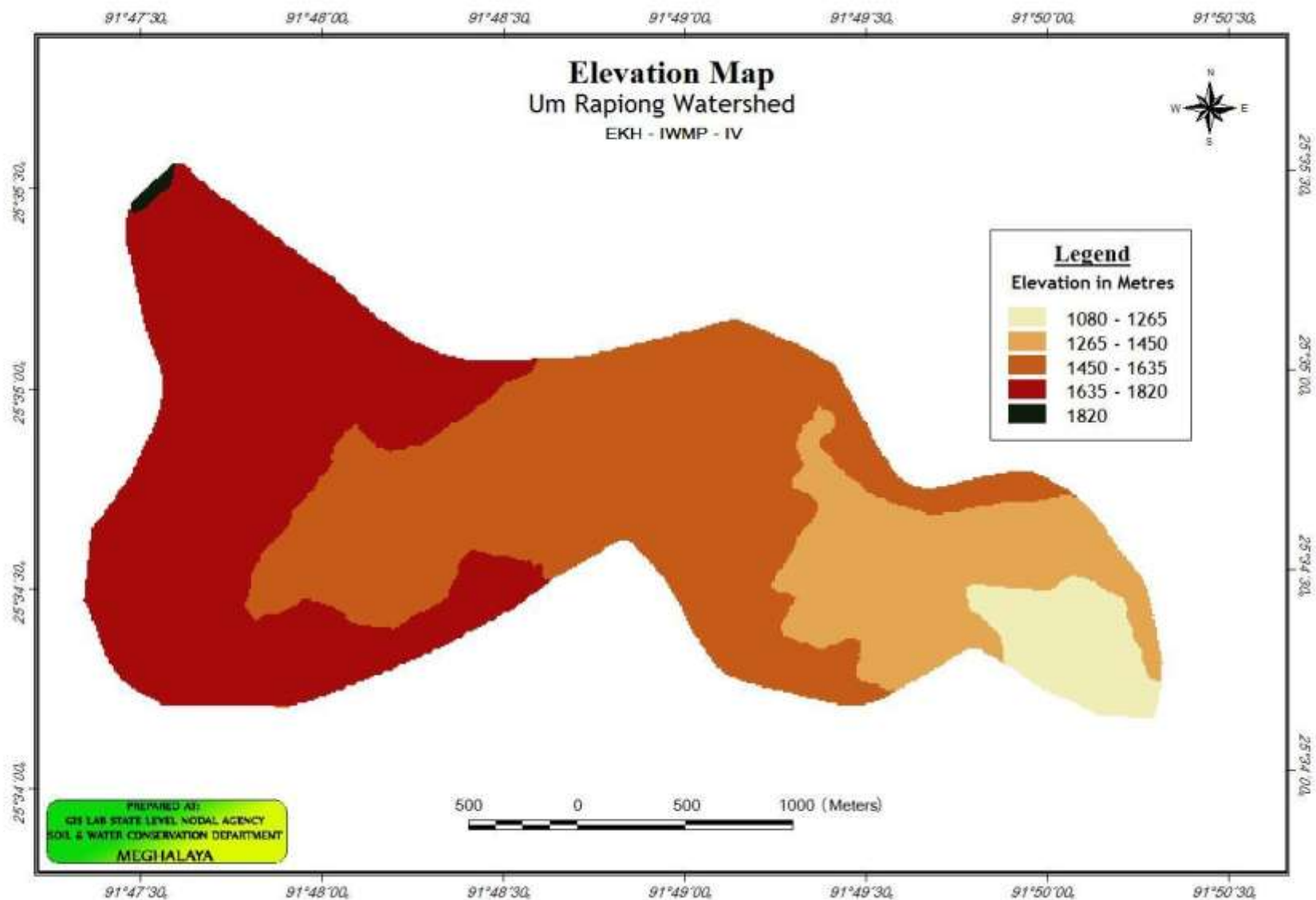
Mawmyram

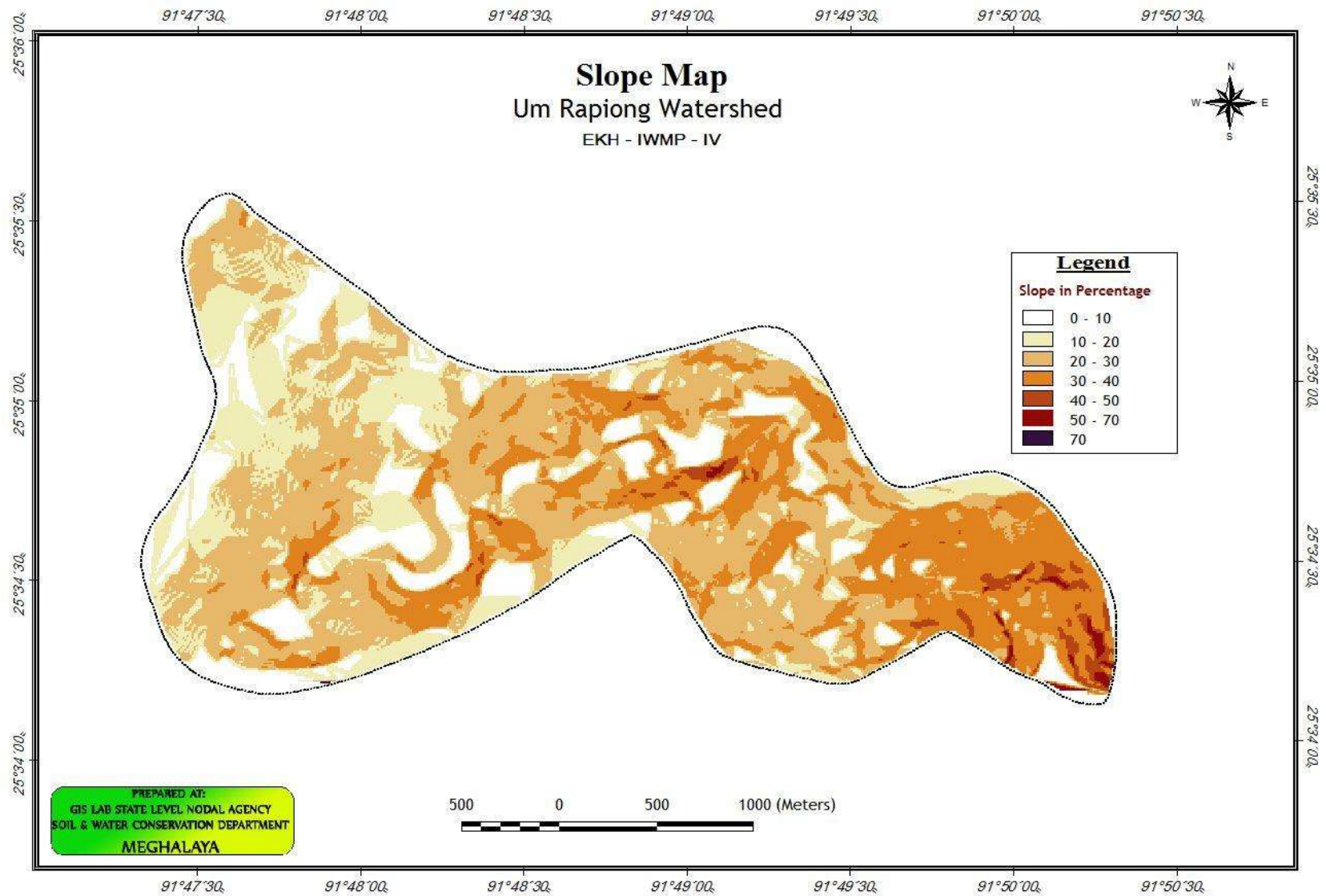
Mylliem

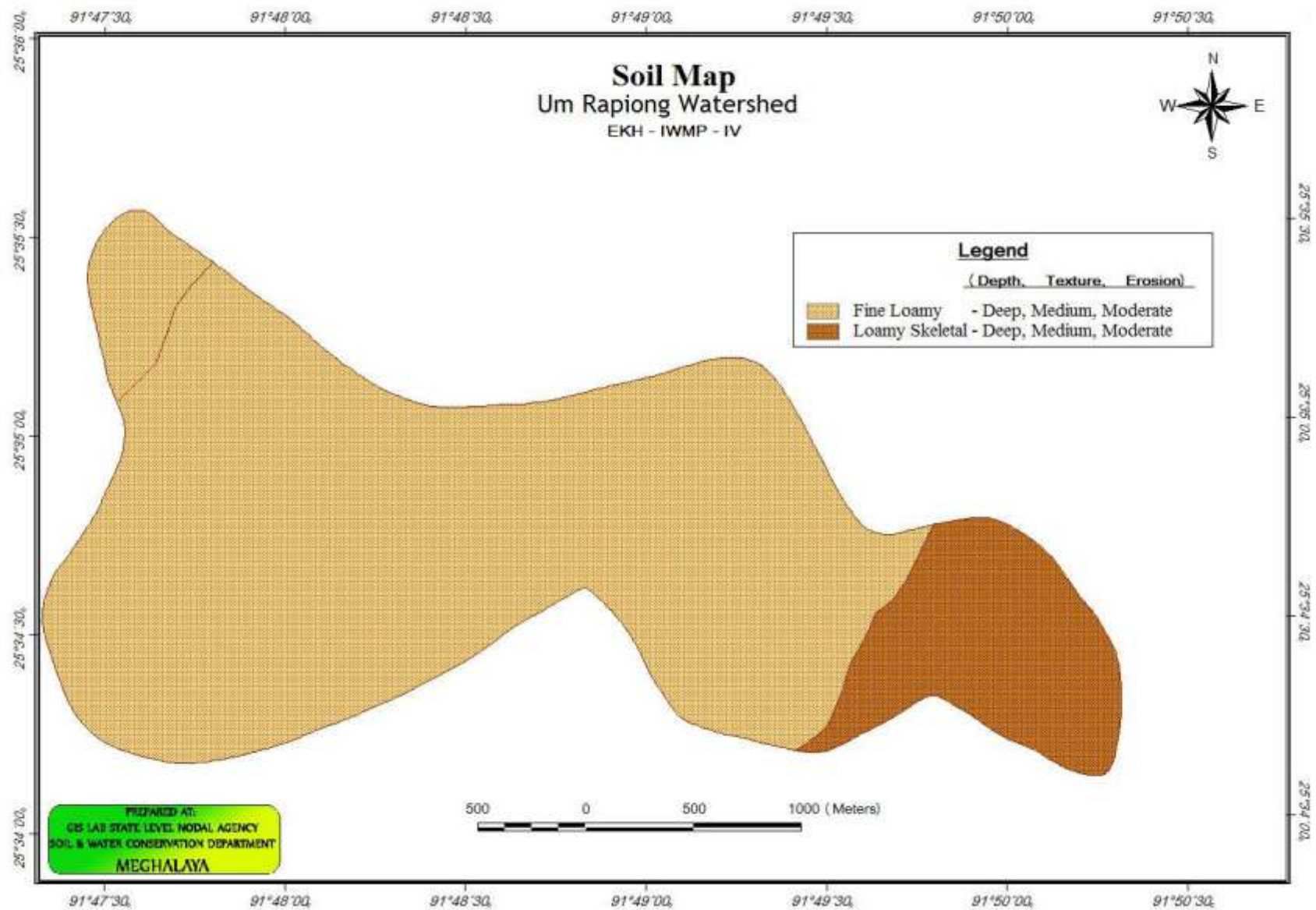
Umrapong Watershed

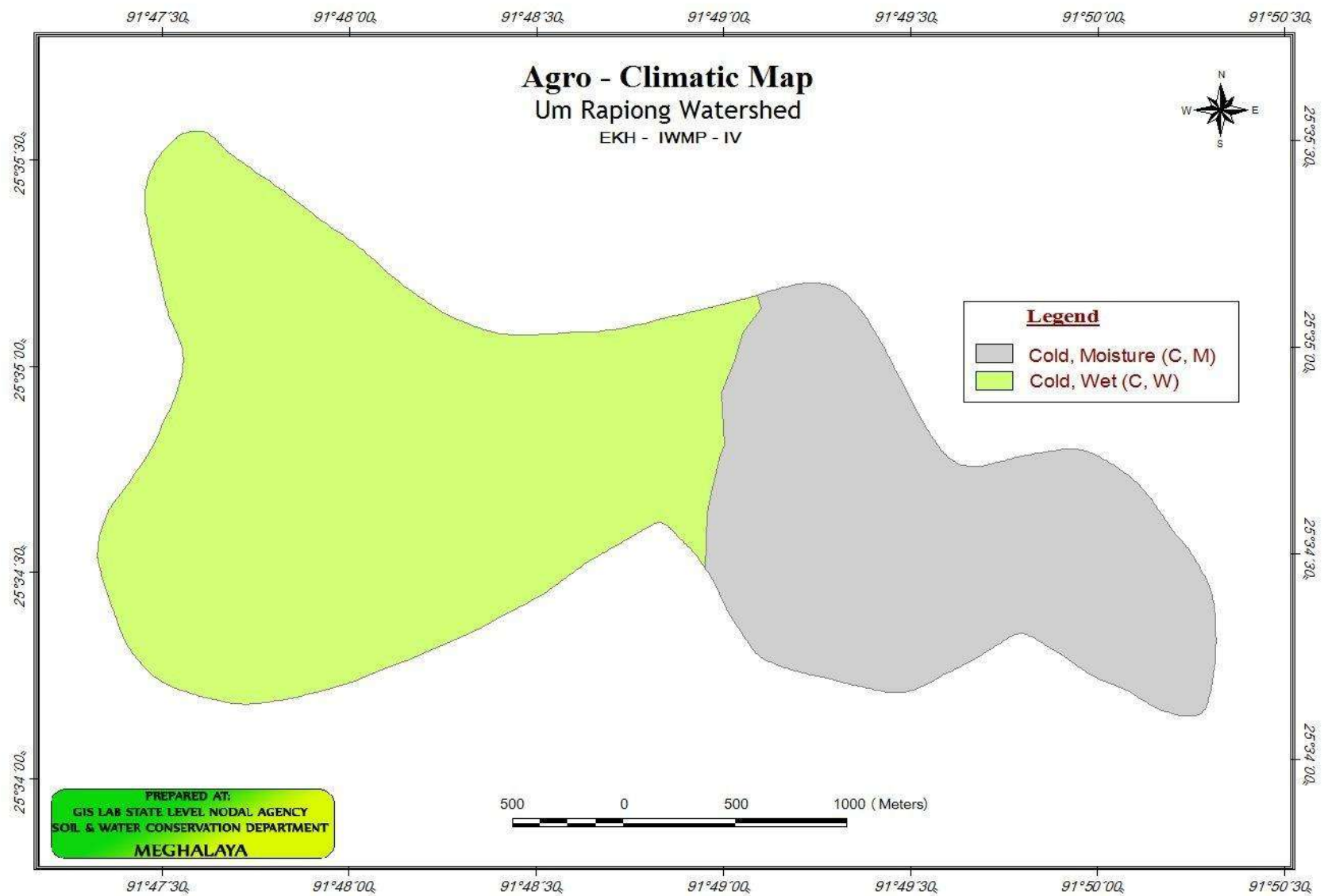
Umrapong River

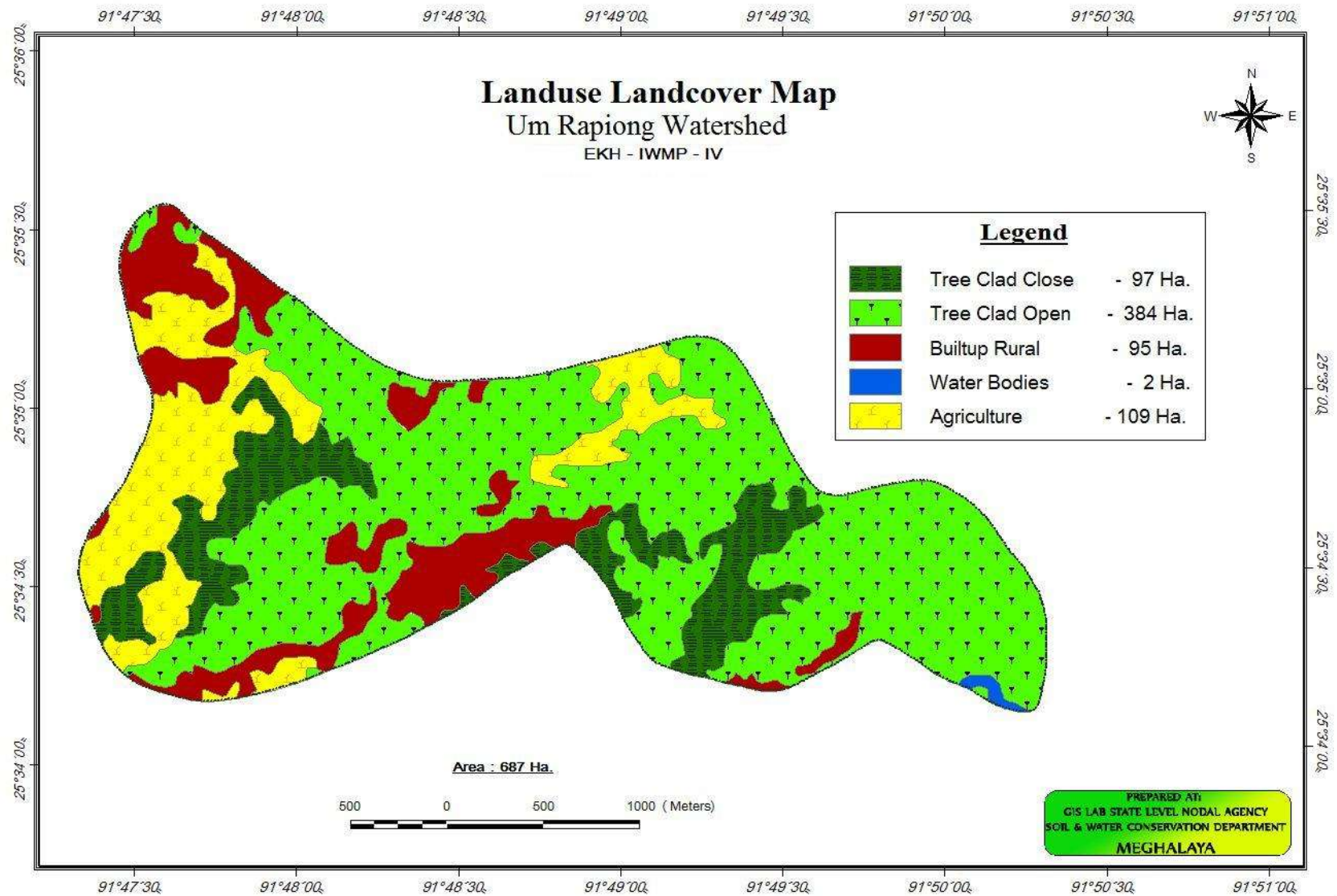


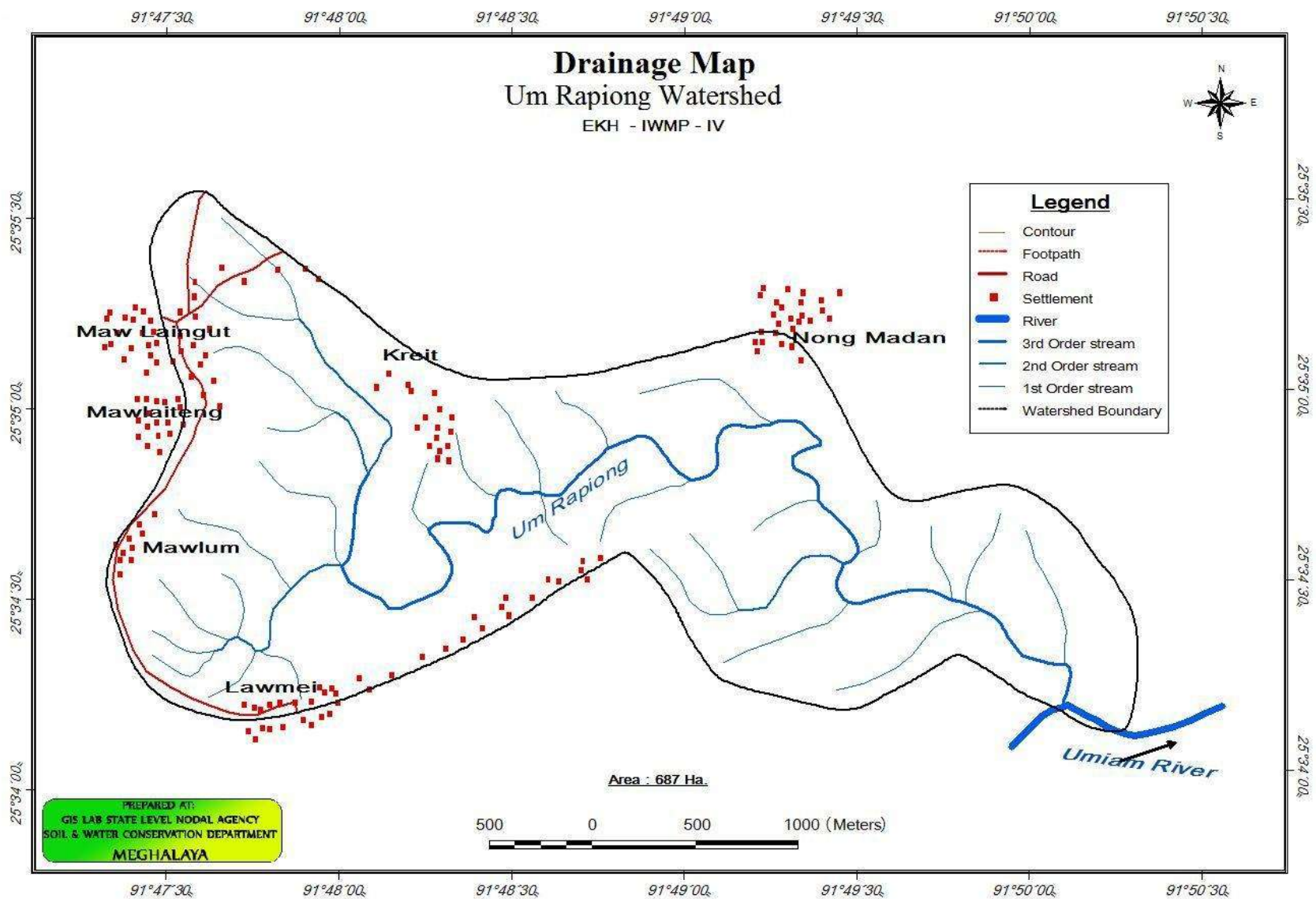


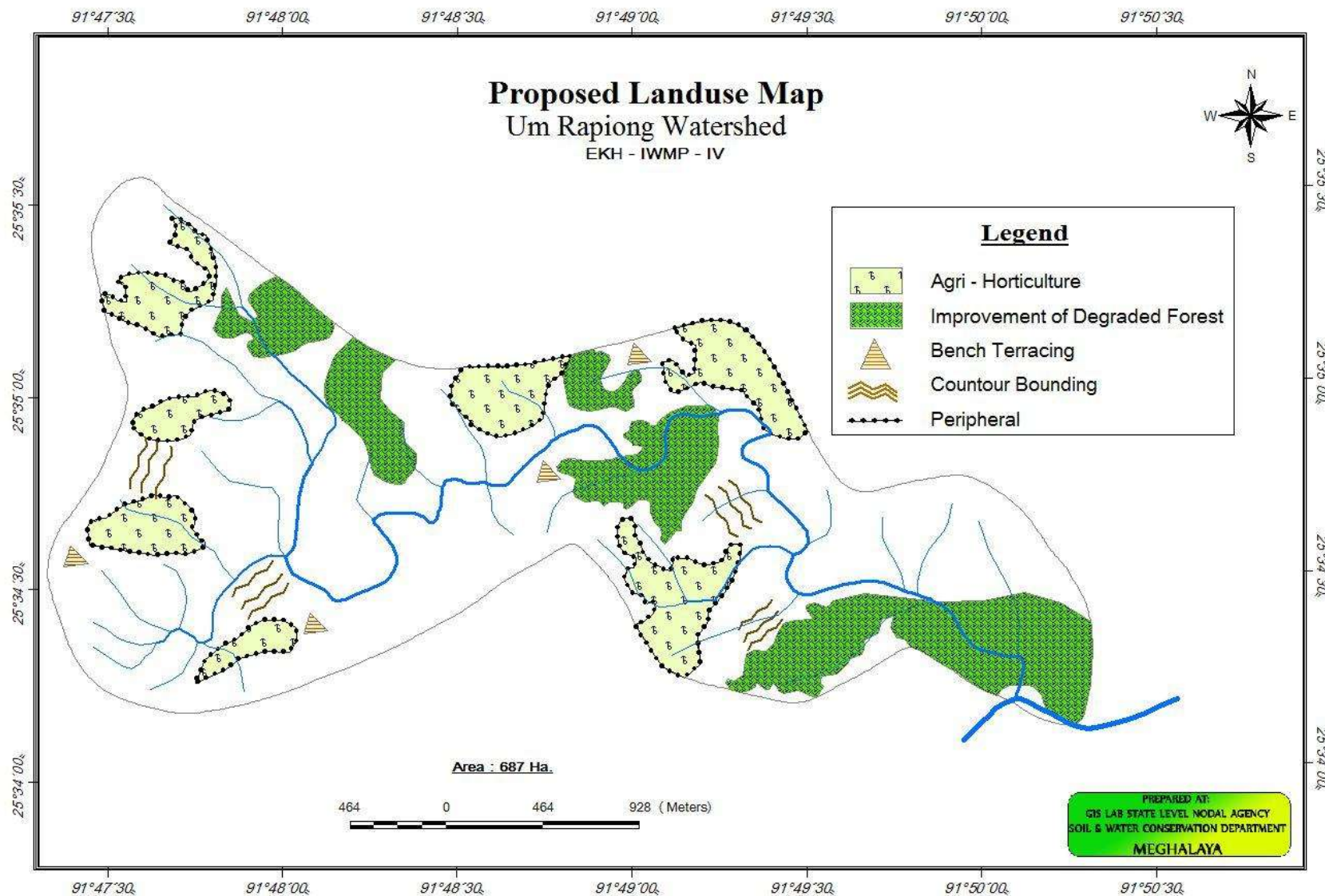


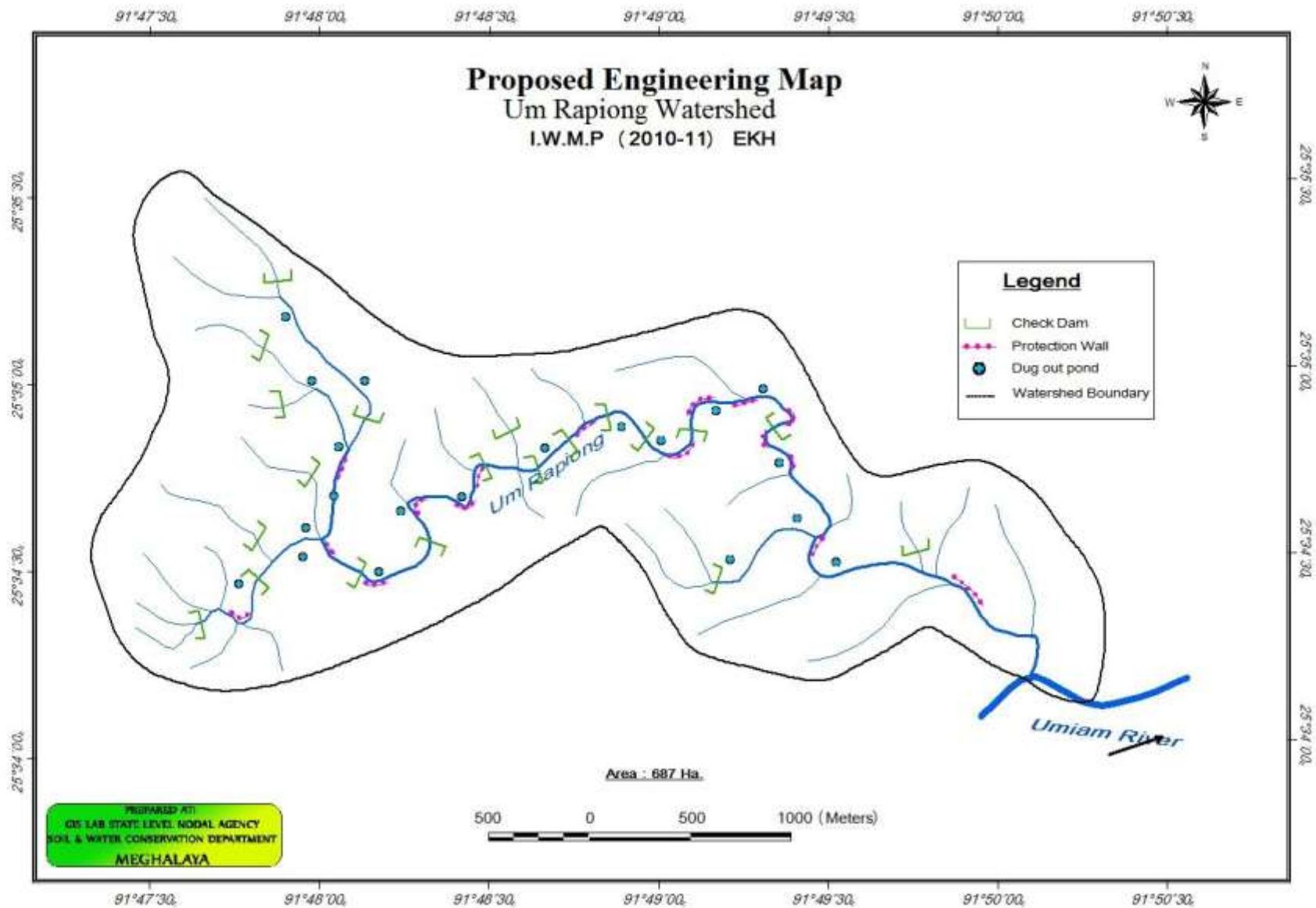




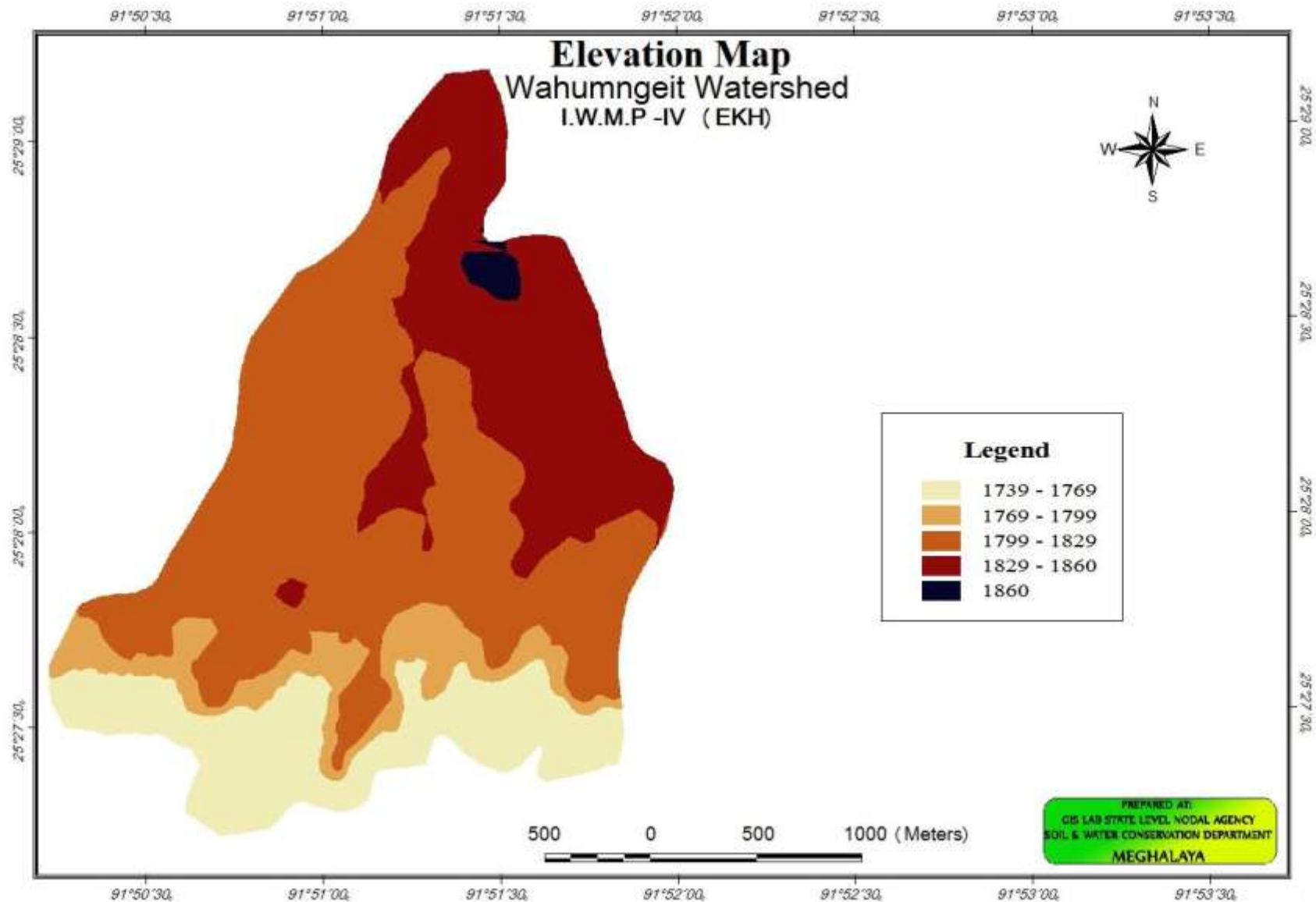


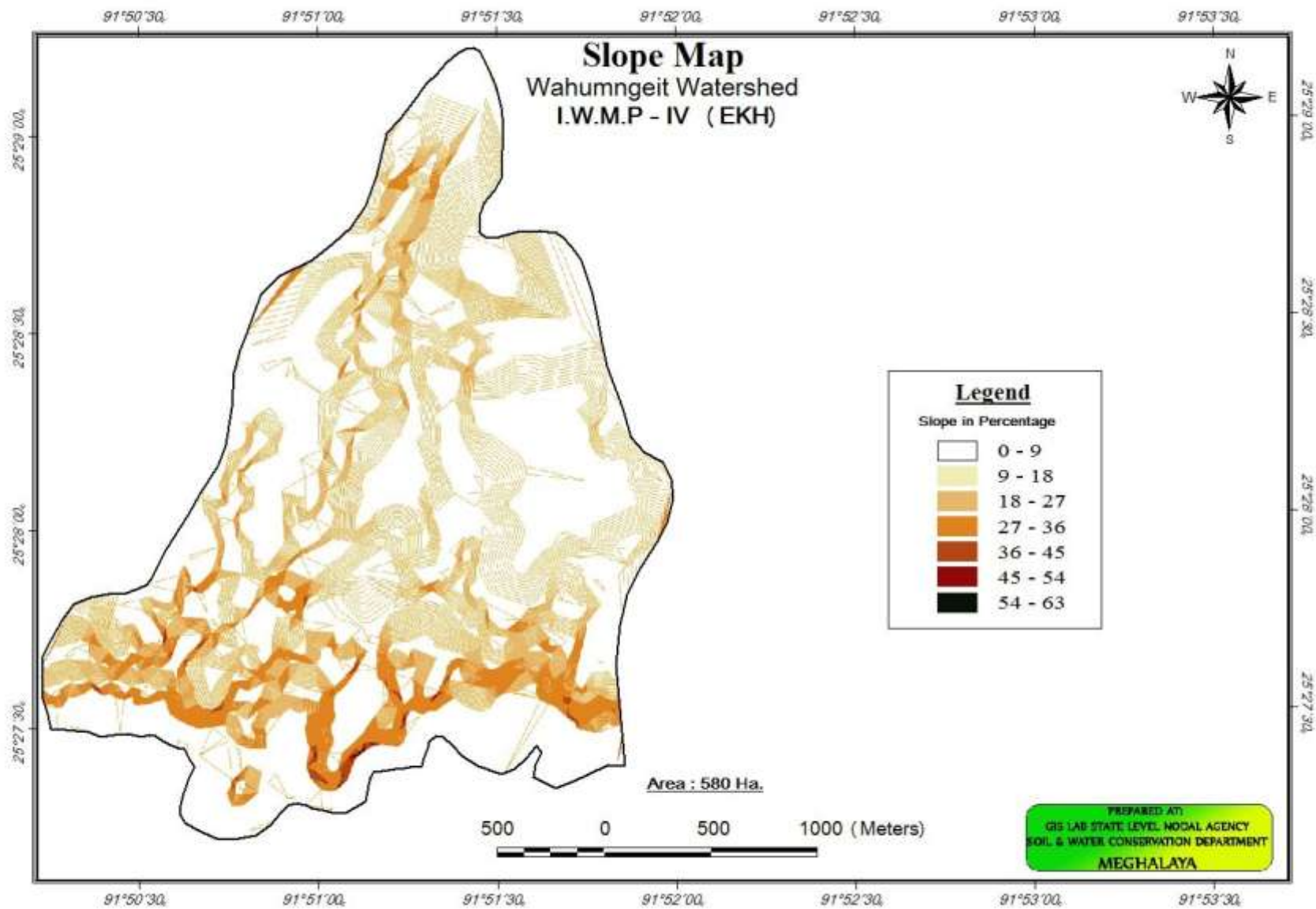


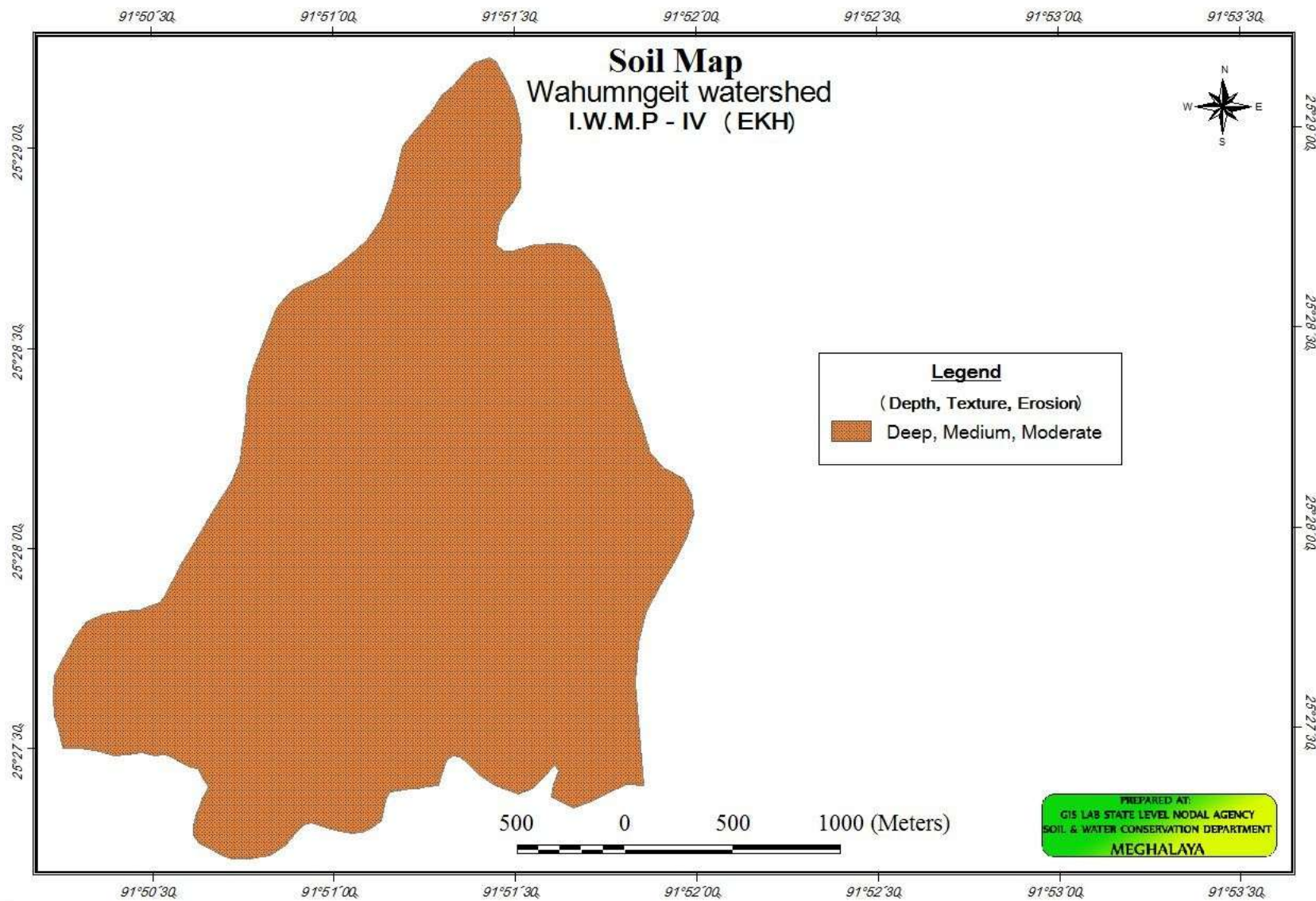


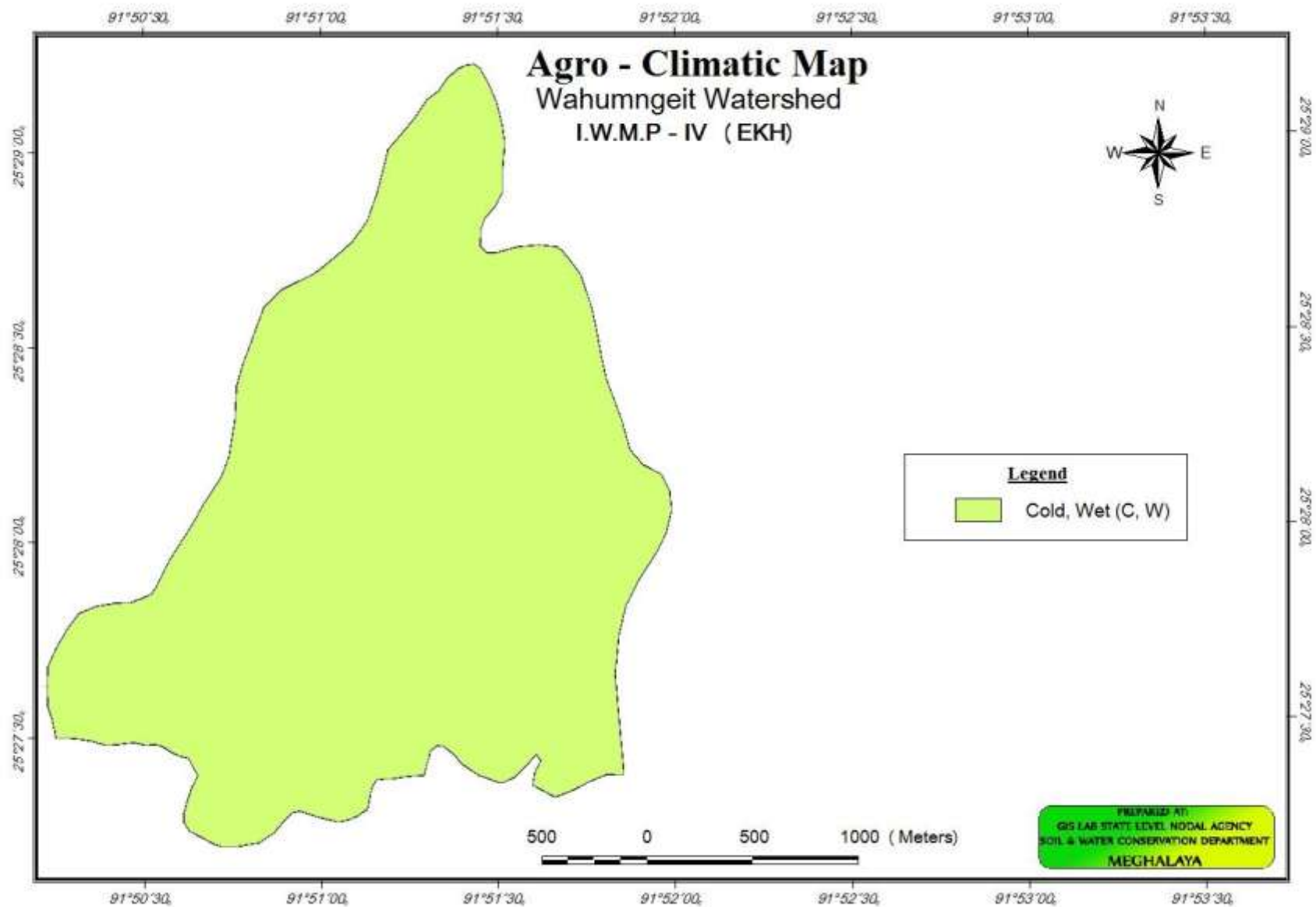


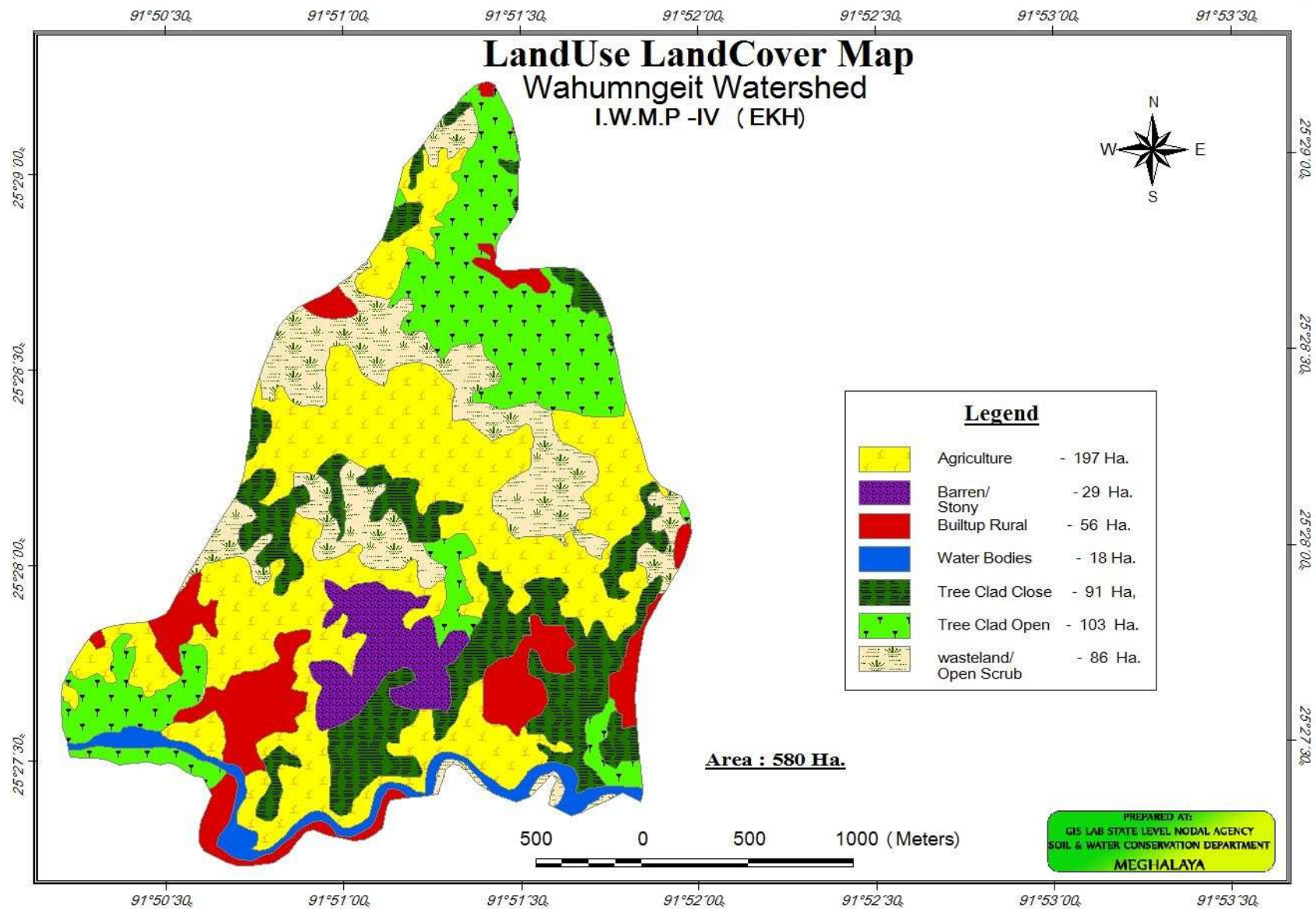
The figure consists of three maps showing the location of the study area. The first map shows the state of Meghalaya with its districts: Ri-Bhoi, Jaintia Hills, West Khasi Hills, East Garo Hills, West Garo Hills, South Garo Hills, and Mawkyntsew. The West Khasi Hills district is highlighted in blue. A black arrow points from this district to the second map. The second map shows the East Khasi Hills district with its sub-districts: Mawddok, Mawphlang, Mawphlang, Mawkyntsew, Pynursla, Shella Bho:agan, Mawpyntsew, and Mawpyntsew. The Mawddok sub-district is highlighted in blue. A black arrow points from this sub-district to the third map. The third map shows the Umngait Watershed, which is a blue-shaded area within the Mawpyntsew sub-district, with the Um Iaw river flowing through it.

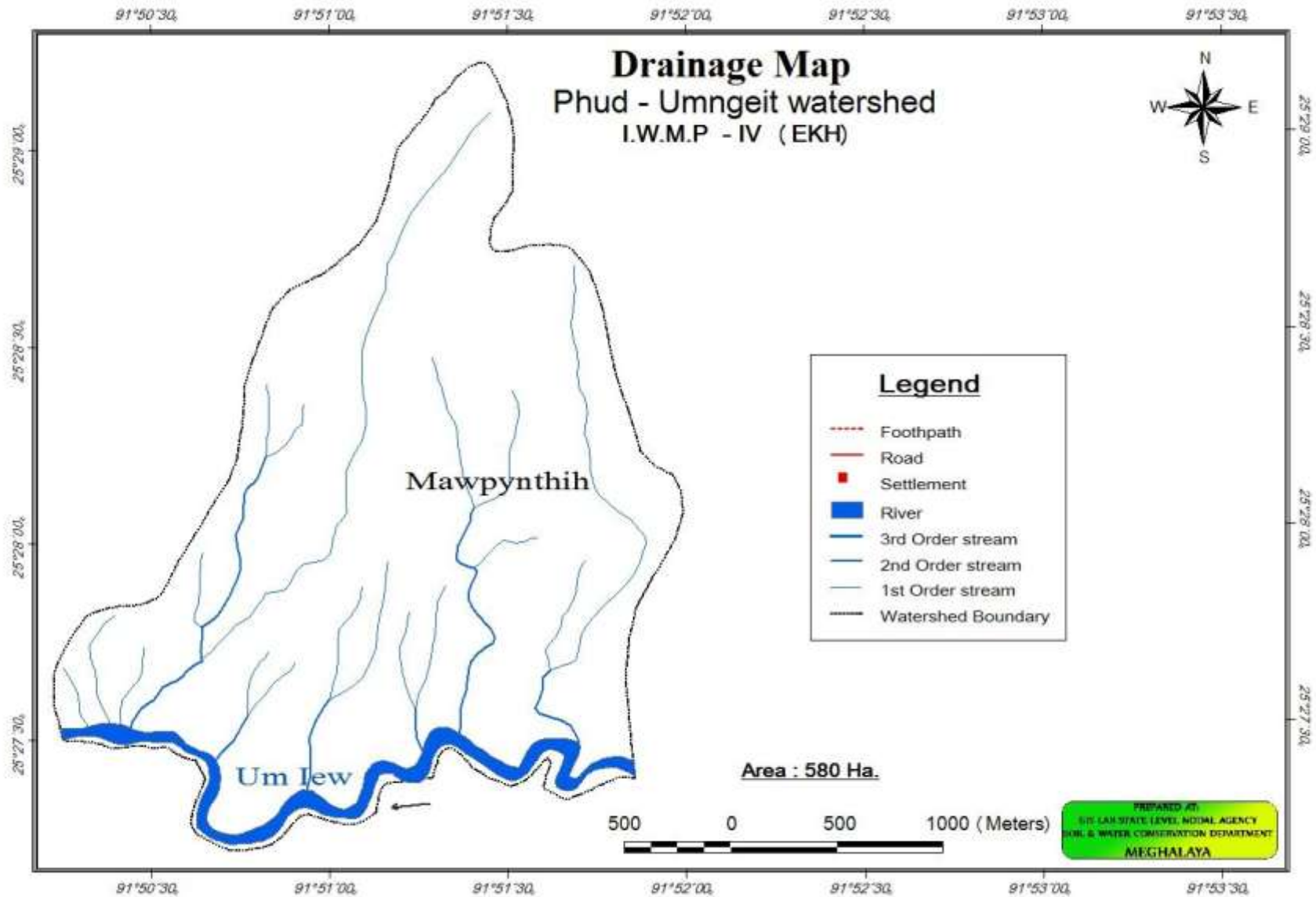


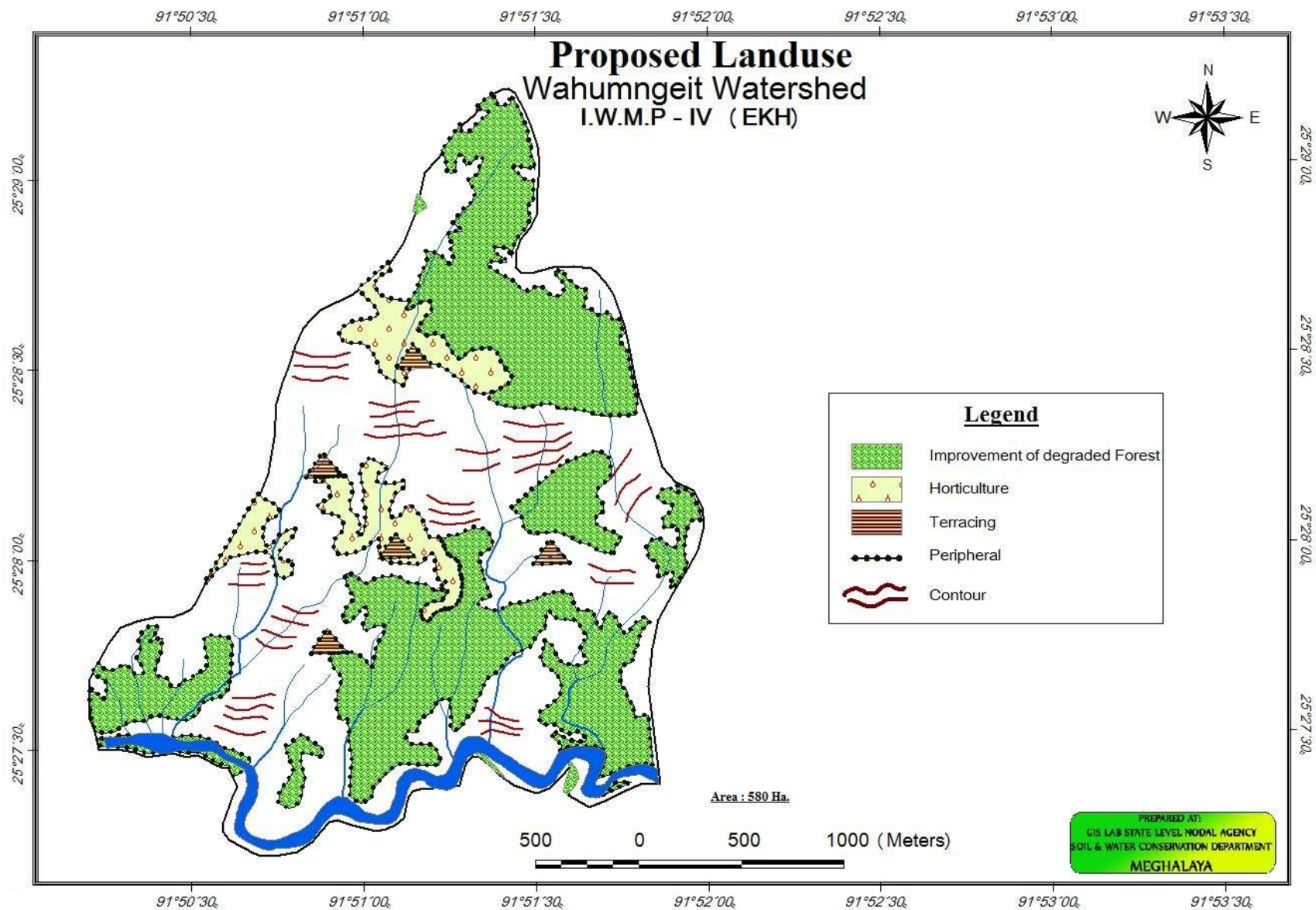


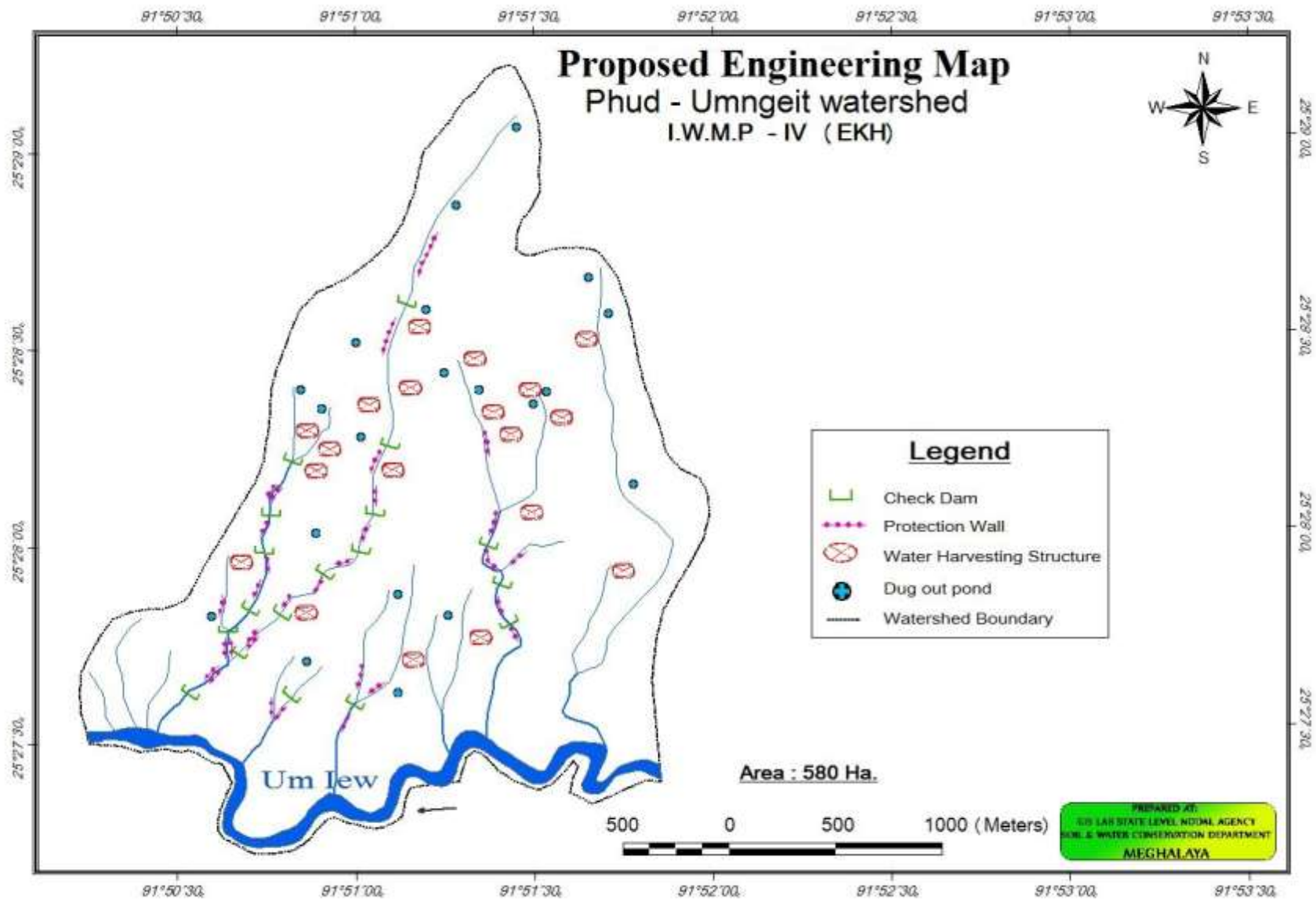












ANNEXURE II

SOCIO-ECONOMIC SURVEY DETAILS

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – NONGSAWIING PDENGSHNONG
NAME OF C&RD BLOCK MYLLIEM
NAME OF DISTRICT – EAST KHASI HILLS DISTRICT

Sl. No.	Name of the Head of the Family	Population			Literacy			Occupation	Agriculture Area		Livestock					Annual Income
		Male	Female	Total	Literate	Illiterate	Total		Settled (in acre)	Jhum (in acre)	Cow	Pig	Goat	Poultry	Horse	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Nongsawiing Pdengshnong															
1	Slibon Nongbsap	4	3	7	4	3	7	Farmer	2	1	-	-	-	15	-	18,000
2	Tibel Nongbsap	0	3	3	0	3	3	Farmer	½	½	-	-	-	0	-	15,000
3	Spelding Nongbsap	2	4	6	2	4	6	Farmer	½	½	-	-	-	0	-	16,000
4	Banisha Nongbsap	2	4	6	3	3	6	Farmer	-	-	-	-	-	0	-	18,000
5	Litiphul Nongbsap	1	0	1	1	0	1	Farmer	1	½	-	-	-	0	-	12,000
6	Gistanbor Nongbsap	4	3	7	2	5	7	Farmer	3	2	-	-	-	8	-	21,500

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – NONGSAWIING
NAME OF C&RD BLOCK MYLLIEM
NAME OF DISTRICT – EAST KHASI HILLS DISTRICT

	Nongsawiing															
1	Ekra Nongbsap	2	3	5	4	1	5	Farmer	4	2	-	-	-	15	-	19,000
2	Erona Nongbsap	2	1	3	1	2	3	Farmer	1	1	-	-	-	4	-	16,500
3	Flarding Nongbsap	5	2	7	3	4	7	Farmer	1 ½	1	-	-	-	6	-	21,000
4	Risuk Nongbsap	3	3	6	2	4	6	Farmer	1 ½	1	-	-	-	2	-	18,500
5	Bilora Nongbsap	4	5	9	4	5	9	Farmer	5	3	-	-	-	10	-	26,000

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – MAWLAINGUT
NAME OF C&RD BLOCK MYLLIEM
NAME OF DISTRICT – EAST KHASI HILLS DISTRICT

	Mawlaingut															
1	Shri Jron Kharlukhi	1	0	1	1	0	1	Farmer	2	1	-	-	-	0	-	14,000
2	Shri Khraw Kharlukhi	2	1	3	1	2	3	Farmer	1 ½	1 ½	-	-	-	8	-	17,500
3	Smti Sbon Nongbsap	4	1	5	0	5	5	Farmer	2	1	-	-	-	4	-	18,000
4	Shri Teiben Nongbsap	3	3	6	2	4	6	Farmer	2	1	-	-	-	2	-	19,500
5	Shri Ledroy Nongbsap	2	2	4	0	4	4	Farmer	½	½	-	-	-	4	-	12,000
6	Smti Teihun Nongbsap	3	2	5	2	3	5	Farmer	2 ½	1 ½	-	-	-	6	-	21,500
7	Smti Rihunlang Nongbsap	0	4	4	1	3	4	Farmer	2	1 ½	-	-	-	10	-	15,500
8	Smti Mildret Nongbsap	1	1	2	2	0	2	Farmer	5	2	-	-	-	6	-	10,000
9	Smti sira Nongbri	4	2	6	3	36		Farmer	2	1	-	-	-	4	-	19,000
10	Smti Thing Nongbri	0	1	1	0	1	1	Farmer	½	½	-	-	-	2	-	5,000
11	Shri Kreson Nongbri	1	4	5	4	1	5	Farmer	2	1	-	-	-	5	-	18,500
12	Shri rojes Mawlong	2	4	6	3	3	6	Farmer	2	½	-	-	-	3	-	19,000
13	Smti Therki Nongbsap	3	3	6	2	4	6	Farmer	3	1	-	-	-	4	-	18,000
14	Smti Rilolis Nongbsap	2	2	4	1	3	4	Farmer	2	1	-	-	-	5	-	15,000
15	Smti Sirson Nongbsap	3	5	8	3	5	8	Farmer	6	2	-	-	-	4	-	20,000
16	Smti Therna Nongbsap	4	3	7	3	4	7	Farmer	2	1	-	-	-	10	-	19,500
17	Smti selina Nongbsap	3	3	6	1	5	6	Farmer	2	1	-	-	-	5	-	19,000
18	Shri Jied Sun	1	1	2	0	2	2	Farmer	2	½	-	-	-	4	-	12,000
19	Shri Arjun K. Buki	5	5	10	1	9	10	Farmer	2	1	-	-	-	5	-	10,000
20	Shri Taier Marwein	2	2	4	1	3	4	Farmer	3	1 ½	-	-	-	8	-	16,000
21	Smti Aired K. Buki	5	3	8	0	8	8	Farmer	1 ½	1	-	-	-	11	-	24,000
22	Smti Jonalin Nongbsap	4	3	7	3	4	7	Farmer	2 ½	1 ½	-	-	-	14	-	20,000
23	Shri Bakling K. Buki	1	2	3	1	2	3	Farmer	1 ½	1	-	-	-	6	-	18,000
24	Smti Bhalin Nongbsap	4	4	8	4	4	8	Farmer	2	1	-	-	-	12	-	26,000
25	Smti Klinda Warjri	1	0	1	0	1	1	Farmer	½	½	-	-	-	0	-	4,500
26	Shri balan Sun	1	0	1	0	1	1	Farmer	2	1	-	-	-	0	-	14,000
27	Shri Star Mawlong	4	2	6	2	4	6	Farmer	1	½	-	-	-	2	-	16,500
28	Smti Sbera Nongbsap	3	3	6	2	4	6	Farmer	3	1 ½	-	-	-	12	-	21,500

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – NONGMADAN
NAME OF C&RD BLOCK MYLLIEM
NAME OF DISTRICT – EAST KHASI HILLS DISTRICT

	Nongmadan village															
1	Shri Spein kharbuki	1	1	2	1	1	2	Farmer	1 ½	1	-	-	-	4	-	9,000
2	Smti Jetsnila K.Buki	3	2	5	1	4	5	Farmer	2	1	-	-	-	10	-	18,000
3	Smti Klun K.Buki	3	2	5	3	2	5	Farmer	1	½	-	-	-	4	-	17,500
4	Smti Amar K.buki	1	1	2	0	2	2	Farmer	2	1	-	-	-	12	-	15,000
5	Shri Sharawantei K.Buki	5	3	8	2	6	8	Farmer	3	2	-	-	-	8	-	26,200
6	Smti Shailin K.Buki	1	1	2	1	1	2	Farmer	1	½	-	-	-	0	-	9,500
7	Smti Shalinda Lyngdoh	2	3	5	1	4	5	Farmer	1	½	-	-	-	6	-	12,800

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – KREIT NONGSHILLIANG
NAME OF C&RD BLOCK MYLLIEM
NAME OF DISTRICT – EAST KHASI HILLS DISTRICT

	Kreit Nongshilliang															
1	Antony Kharbuki	0	2	2	0	2	2	Farmer	2	1	-	-	-	3	-	6,000
2	Balarisha B. moit	6	3	9	2	7	9	Farmer	3	1 ½	-	-	-	8	-	26,500
3	Biliancy B. Moit	4	2	6	2	4	6	Farmer	1	½	-	-	-	4	-	12,000
4	Baldalin Nongrum	3	4	7	3	4	7	Farmer	5	2	-	-	-	11	-	34,000
5	Badap kyrhai Nongrum	3	2	5	0	5	5	Farmer	2	1	-	-	-	6	-	21,000
6	Elina Nongrum	1	1	2	2	0	2	Farmer	1 ½	1	-	-	-	4	-	8,500
7	Eshroda B. Moit	3	2	5	2	3	5	Farmer	3	1 ½	-	-	-	8	-	20,000
8	Espring Kharpran	3	4	7	1	6	7	Farmer	2 ½	1 ½	-	-	-	9	-	27,500
9	Gracefull Kharpran	4	4	8	1	7	8	Farmer	2 ½	1 ½	-	-	-	9	-	19,000
10	Thancy K.buki	3	4	7	1	6	7	Farmer	1	½	-	-	-	6	-	16,500
11	Julan K.Buki	0	4	4	0	4	4	Farmer	1	½	-	-	-	12	-	16,500
12	Jriah K.Buki	2	4	6	1	5	6	Farmer	½	½	-	-	-	13	-	17,400
13	Gloria K.Buki	0	1	1	0	1	1	Farmer	1	½	-	-	-	6	-	4,900
14	Kynjailin B.moit	1	5	6	6	0	6	Farmer	3	2	-	-	-	8	-	70,000
15	Lucy Lyngdoh	3	5	8	3	5	8	Farmer	1 ½	1	-	-	-	6	-	20,000
16	Loda K.Buki	1	1	2	2	0	2	Farmer	2	1	-	-	-	11	-	8,500
17	Nikodis B.Moit	3	4	7	3	4	7	Farmer	8	5	-	-	-	6	-	39,000
18	Ribarwell Kharpran	1	1	2	1	1	2	Farmer	3	1	-	-	-	4	-	26,000
19	Ebalinda Kharbuki	7	3	10	3	7	10	Farmer	4	2	-	-	-	12	-	35,000
20	Wanplielad Nongbsap	3	3	6	0	6	6	Farmer	2	1	-	-	-	4	-	15,500
21	Lampher Kharpran	4	3	7	1	6	7	Farmer	3	2	-	-	-	14	-	29,500
22	Julydaris Nongbsap	2	3	5	2	3	5	Farmer	2	1	-	-	-	8	-	24,000

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – KYNTON MYNNAR A
NAME OF C&RD BLOCK MYLLIEM
NAME OF DISTRICT – EAST KHASI HILLS DISTRICT

1	Redlad Kharpran	3	4	7	0	7	7	Farmer	1	1	-	-	-	11	-	18,000
2	Koleth Kharthangmaw	1	0	1	0	1	1	Farmer	3	2	-	-	-	4	-	16,500
3	Bling Thabah	1	0	1	1	0	1	Farmer	1	½	-	-	-	9	-	8,500
4	Phlom K.Buki	2	2	4	0	4	4	Farmer	3 ½	2	-	-	-	12	-	16,500
5	Nesphar Pathaw	2	5	7	1	6	7	Farmer	1	1	-	-	-	16	-	19,500
6	Bresstindalis K.Buki	8	4	12	2	10	12	Farmer	2	1	-	-	-	15	-	24,500
7	Sngaid War	1	1	2	0	2	2	Farmer	1	1	-	-	-	4	-	14,200
8	Dion Mawnai	1	3	4	1	3	4	Farmer	2	1	-	-	-	6	-	17,500
9	Juliania K.Buki	2	3	5	0	5	5	Farmer	2	1 ½	-	-	-	4	-	16,500
10	Hedrad Nongrang	0	1	1	1	0	1	Farmer	2	4	-	-	-	0	-	16,000
11	Bonkupa mawnai	6	2	8	1	7	8	Farmer	1	1	-	-	-	11	-	21,500
12	Herislin Sangot	3	3	6	2	4	6	Farmer	2	1	-	-	-	16	-	36,500
13	Baistar jala	0	1	1	0	1	1	Farmer	1	1	-	-	-	0	-	7,000
14	Herodian sangot	4	2	6	5	1	6	Farmer	5	3	-	-	-	14	-	39,800
15	Klein K.Buki	4	2	6	2	4	6	Farmer	1	½	-	-	-	4	-	12,000
16	Ernis War	3	5	8	3	5	8	Farmer	2	2	-	-	-	8	-	24,300
17	Ephrain Mawlong	4	1	5	2	3	5	Farmer	2	1	-	-	-	6	-	19,400
18	Rusemery Sangot	0	2	2	0	2	2	Farmer	1	5	-	-	-	9	-	21,000
19	James Warjri	3	2	5	1	4	5	Farmer	½	1	-	-	-	3	-	17,500
20	Kordor Lyngdoh	4	3	7	2	5	7	Farmer	1	2	-	-	-	8	-	21,000
21	Aibok K.Buki	3	3	6	0	6	6	Farmer	½	1	-	-	-	0	-	14,500
22	Thwada K.Buki	3	3	6	4	2	6	Farmer	2	1	-	-	-	9	-	24,200
23	Highborn K.Buki	3	1	4	0	4	4	Farmer	½	½	-	-	-	2	-	6,000
24	Mekro Mawlong	1	1	2	0	2	2	Farmer	½	½	-	-	-	8	-	5,600
25	Tipsuk K.Buki	0	1	1	0	1	1	Farmer	2	1	-	-	-	6	-	9,800
26	Hanstone Kharkrang	1	0	1	0	1	1	Farmer	½	½	-	-	-	0	-	6,800
27	SantaMawlong	2	2	4	0	4	4	Farmer	1	1	-	-	-	4	-	13,500
28	Julius Sangot	1	2	3	1	2	3	Farmer	3	1	-	-	-	12	-	19,500

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – MAWLUM NENG
NAME OF C&RD BLOCK MYLLIEM
NAME OF DISTRICT – EAST KHASI HILLS DISTRICT

	Mawlum Neng															
1.	Shri Tring Nongrang	4	3	7	2	5	7	Farmer	1	1	-	-	-	9	-	24,500
2.	Shri Thrai Mawlong	1	3	4	1	3	4	Farmer	½	½	-	-	-	0	-	16,000
3.	Shri Slinbor Mawlong	2	2	4	0	4	4	Farmer	½	½	-	-	-	6	-	9,000
4.	Kleit K.Krang	1	5	6	1	5	6	Farmer	1	1	-	-	-	18	-	17,500
5.	Shri Brol K. Krang	6	4	10	3	7	10	Farmer	1	1 ½	-	-	-	13	-	21,800
6.	Smti Shaling K. Krang	4	2	6	2	4	6	Farmer	½	1	-	-	-	8	-	20,000
7.	Shri Phet Nongbsap	1	0	1	1	0	1	Farmer	1	2	-	-	-	0	-	9,500
8.	Smti rolin K. Krang	1	0	1	1	0	1	Farmer	0	0	-	-	-	0	-	4,500
9.	Sjri Shot Thangkhiew	1	0	1	1	0	1	Farmer	2	1	-	-	-	0	-	8,900
10.	Shri Penel Kharpran	2	0	2	2	0	2	Farmer	½	½	-	-	-	0	-	12,000
11.	Shri Kwein K Krang	1	3	4	1	3	4	Farmer	½	½	-	-	-	3	-	16,000
12.	Shri Phanson Kharpran	2	4	6	0	6	6	Farmer	1	1	-	-	-	9	-	19,500
13.	Smti Jrun K. Krang	0	2	2	1	1	2	Farmer	½	½	-	-	-	8	-	10,000
14.	Shri Kabag K Pran	1	0	1	1	0	1	Farmer	½	½	-	-	-	0	-	4,900
15.	Shri Thrangbor Dohtdong	1	2	3	1	2	3	Farmer	½	1	-	-	-	0	-	8,500
16.	Shri Rojin Kharbuki	0	2	2	2	0	2	Farmer	2	1	-	-	-	0	-	14,500
17.	Smti Enlamon K Krang	0	2	2	0	2	2	Farmer	2	1	-	-	-	3	-	6,000
18.	Smti Sbena K Krang	6	3	9	2	7	9	Farmer	3	1 ½	-	-	-	8	-	26,500
19.	Shri Barson Sun	4	2	6	2	4	6	Farmer	1	½	-	-	-	4	-	12,000
20.	Shri Jison sawkmie	3	4	7	3	4	7	Farmer	5	2	-	-	-	11	-	34,000
21.	Shri Edmit Nongbsap	3	2	5	0	5	5	Farmer	2	1	-	-	-	6	-	21,000
22.	SmtiPandima K. Krang	1	1	2	2	0	2	Farmer	1 ½	1	-	-	-	4	-	8,500
23.	Shri Eling Kurbah	3	2	5	2	3	5	Farmer	3	1 ½	-	-	-	8	-	20,000
24.	Smti Rina K.Krang	3	4	7	1	6	7	Farmer	2 ½	1 ½	-	-	-	9	-	27,500
25.	Shri Thwek Nongbsap	4	4	8	1	7	8	Farmer	2 ½	1 ½	-	-	-	9	-	19,000
26.	Shri Kro Kurbah	3	4	7	1	6	7	Farmer	1	½	-	-	-	6	-	16,500
27.	Smti Riden K. Krang	0	4	4	0	4	4	Farmer	1	½	-	-	-	12	-	16,500
28.	Shri Hasan Kurbah	2	4	6	1	5	6	Farmer	½	½	-	-	-	13	-	17,400
29.	Shri hastarling Nongbsap	0	1	1	0	1	1	Farmer	1	½	-	-	-	6	-	4,900
30.	Smti Phaida Kharkrang	1	5	6	6	0	6	Farmer	3	2	-	-	-	8	-	70,000
31.	Smti Radmin K. Krang	3	5	8	3	5	8	Farmer	1 ½	1	-	-	-	6	-	20,000
32.	Shri Shup K.krang	1	1	2	2	0	2	Farmer	2	1	-	-	-	11	-	8,500
33.	Smti Merilin K.Krang	3	4	7	3	4	7	Farmer	8	5	-	-	-	6	-	39,000

34	Smti Mailin K.Krang	1	1	2	1	1	2	Farmer	3	1	-	-	-	4	-	26,000
35	Shri Slanding Mylliem	7	3	10	3	7	10	Farmer	4	2	-	-	-	12	-	35,000
36	Shri Klunsing Kharbudnah	3	3	6	0	6	6	Farmer	2	1	-	-	-	4	-	15,500
37	Shri Sabinot Nongbsap	4	3	7	1	6	7	Farmer	3	2	-	-	-	14	-	29,500
38	Shri Karmin Nongbsap	2	3	5	2	3	5	Farmer	2	1	-	-	-	8	-	24,000
39	Smti Bansuk Nongum	3	3	6	2	4	6	Farmer	2	1	-	-	-	16	-	36,500
40	Smti Lebilda K. Krang	3	4	7	0	7	7	Farmer	1	1	-	-	-	11	-	18,000
41	Shri tethro war	1	0	1	0	1	1	Farmer	3	2	-	-	-	4	-	16,500
42	Shri Arbannong K.Pran	1	0	1	1	0	1	Farmer	1	½	-	-	-	9	-	8,500
43	Shri Liiut Nongbsap	2	2	4	0	4	4	Farmer	3 ½	2	-	-	-	12	-	16,500
44	Shri Pharmik Nongbri	2	5	7	1	6	7	Farmer	1	1	-	-	-	16	-	19,500
45	Shri kloibor Kurbah	8	4	12	2	10	12	Farmer	2	1	-	-	-	15	-	24,500
46	Shri Khrum Kurbah	1	1	2	0	2	2	Farmer	1	1	-	-	-	4	-	14,200
47	Shri Thun Mylliem	1	3	4	1	3	4	Farmer	2	1	-	-	-	6	-	17,500
48	Shri Anji Mawlong	2	3	5	0	5	5	Farmer	2	1 ½	-	-	-	4	-	16,500
49	Shri Stolen Kurbah	0	1	1	1	0	1	Farmer	2	4	-	-	-	0	-	16,000
50	Shri Orjit Mawlong	6	2	8	1	7	8	Farmer	1	1	-	-	-	11	-	21,500
51	Shri Dwiak . K.krang	3	3	6	2	4	6	Farmer	2	1	-	-	-	16	-	36,500
52	Shri Badonlang Nongbsap	0	1	1	0	1	1	Farmer	1	1	-	-	-	0	-	7,000
53	Smti Marlishai Nongbsap	4	2	6	5	1	6	Farmer	5	3	-	-	-	14	-	39,800
54	Smti Jmiak Kurbah	3	3	6	0	6	6	Farmer	½	1	-	-	-	0	-	14,500
55	Smti Bandasahi K.Krang	3	5	8	3	5	8	Farmer	2	2	-	-	-	8	-	24,300
56	Smti Kashwani K .Krang	4	1	5	2	3	5	Farmer	2	1	-	-	-	6	-	19,400
57	Smti Iod Kurbah	0	2	2	0	2	2	Farmer	1	5	-	-	-	9	-	21,000
58	Smti Mistilda Kurbah	3	2	5	1	4	5	Farmer	½	1	-	-	-	3	-	17,500
59	Shri Roswet Kurbah	4	3	7	2	5	7	Farmer	1	2	-	-	-	8	-	21,000
60	Smti Jreit rani	3	3	6	0	6	6	Farmer	½	1	-	-	-	0	-	14,500
61	Shri Nobar Kurbah	3	3	6	4	2	6	Farmer	2	1	-	-	-	9	-	24,200
62	Smti Jaika Khapew	3	1	4	0	4	4	Farmer	½	½	-	-	-	2	-	6,000
63	Smti prinda khapew	1	1	2	0	2	2	Farmer	½	½	-	-	-	8	-	5,600
64	Shri Abbor Kurbah	0	1	1	0	1	1	Farmer	2	1	-	-	-	6	-	9,800
65	Smti Misilin K.Krang	1	0	1	0	1	1	Farmer	½	½	-	-	-	0	-	6,800
66	Shri Thom Lyngdoh	2	2	4	0	4	4	Farmer	1	1	-	-	-	4	-	13,500
67	Shri Akbar Rani	1	2	3	1	2	3	Farmer	3	1	-	-	-	12	-	19,500
68	Shri Morniong Kurbah	4	2	6	2	4	6	Farmer	1	½	-	-	-	4	-	12,000
69	Shri Sharding Mylliem	0	2	2	0	2	2	Farmer	2	1	-	-	-	3	-	6,000
70	Smti Sber Kurbah	6	3	9	2	7	9	Farmer	3	1 ½	-	-	-	8	-	26,500
71	Smti Hin K. Krang	4	2	6	2	4	6	Farmer	1	½	-	-	-	4	-	12,000

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – LAWMEI PDENGSHNONG
NAME OF C&RD BLOCK MYLLIEM
NAME OF DISTRICT – EAST KHASI HILLS DISTRICT

1	Kramstonroy Langbnang	3	2	5	0	5	5	Farmer	2	1	-	-	-	6	-	21,000
2	Starhiw Nongbsap	1	1	2	2	0	2	Farmer	1 ½	1	-	-	-	4	-	8,500
3	Ajilda kharbuki	3	2	5	2	3	5	Farmer	3	1 ½	-	-	-	8	-	20,000
4	Threid Nongbsap	3	4	7	1	6	7	Farmer	2 ½	1 ½	-	-	-	9	-	27,500
5	Trails K.Buki	4	4	8	1	7	8	Farmer	2 ½	1 ½	-	-	-	9	-	19,000
6	Thringskhon Kharlor	3	4	7	1	6	7	Farmer	1	½	-	-	-	6	-	16,500
7	Dlamskon Kharbuki	0	4	4	0	4	4	Farmer	1	½	-	-	-	12	-	16,500
8	Mredalin Kharbuki	2	4	6	1	5	6	Farmer	½	½	-	-	-	13	-	17,400
9	Stiwadian Kharbuki	0	1	1	0	1	1	Farmer	1	½	-	-	-	6	-	4,900
10	Pioka Kharbuki	1	5	6	6	0	6	Farmer	3	2	-	-	-	8	-	70,000
11	Thenis Kharbuki	3	5	8	3	5	8	Farmer	1 ½	1	-	-	-	6	-	20,000
12	Alphred Nongbsap	1	1	2	2	0	2	Farmer	2	1	-	-	-	11	-	8,500
13	Ordain Kharbuki	3	4	7	3	4	7	Farmer	8	5	-	-	-	6	-	39,000
14	Banylla Kharbuki	1	1	2	1	1	2	Farmer	3	1	-	-	-	4	-	26,000
15	Aphronsingh Kharbuki	7	3	10	3	7	10	Farmer	4	2	-	-	-	12	-	35,000
16	Weris Nongbsap	3	3	6	0	6	6	Farmer	2	1	-	-	-	4	-	15,500
17	Thikhei Nongbsap	4	3	7	1	6	7	Farmer	3	2	-	-	-	14	-	29,500
18	Restalis Kharbukis	2	3	5	2	3	5	Farmer	2	1	-	-	-	8	-	24,000
19	Euniki Kharbuki	3	3	6	2	4	6	Farmer	2	1	-	-	-	16	-	36,500
20	Ritnngen Nongbsap	3	4	7	0	7	7	Farmer	1	1	-	-	-	11	-	18,000
21	Wisaibor M. Umlong	1	0	1	0	1	1	Farmer	3	2	-	-	-	4	-	16,500
22	Sbaida Nongbsap	1	0	1	1	0	1	Farmer	1	½	-	-	-	9	-	8,500
23	Shimda Nongbsap	2	2	4	0	4	4	Farmer	3 ½	2	-	-	-	12	-	16,500
24	Dwor Nongbsap	2	5	7	1	6	7	Farmer	1	1	-	-	-	16	-	19,500
25	Phor Nongbsap	8	4	12	2	10	12	Farmer	2	1	-	-	-	15	-	24,500
26	Drill Nongbsap	1	1	2	0	2	2	Farmer	1	1	-	-	-	4	-	14,200
27	Thor Nongbsap	1	3	4	1	3	4	Farmer	2	1	-	-	-	6	-	17,500
28	Thiang Nongbsap	2	3	5	0	5	5	Farmer	2	1 ½	-	-	-	4	-	16,500
29	Abri Nongbsap	0	1	1	1	0	1	Farmer	2	4	-	-	-	0	-	16,000
30	Sporda Nongbsap	6	2	8	1	7	8	Farmer	1	1	-	-	-	11	-	21,500
31	Dmon Nongbsap	3	3	6	2	4	6	Farmer	2	1	-	-	-	16	-	36,500

32	Siantis Nongbsap	0	1	1	0	1	1	Farmer	1	1	-	-	-	0	-	7,000
33	Brodalin Nongbsap	4	2	6	5	1	6	Farmer	5	3	-	-	-	14	-	39,800
34	Thrina Nongbsap	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
35	Thoda Nongbsap	3	5	8	3	5	8	Farmer	2	2	-	-	-	8	-	24,300
36	Bolda Nongbsap	4	1	5	2	3	5	Farmer	2	1	-	-	-	6	-	19,400
37	Burom shisha Nongbsap	0	2	2	0	2	2	Farmer	1	5	-	-	-	9	-	21,000
38	Shongryngkat Nongbsap	3	2	5	1	4	5	Farmer	½	1	-	-	-	3	-	17,500
39	Shaidalin Nongbsap	4	3	7	2	5	7	Farmer	1	2	-	-	-	8	-	21,000
40	Bred Nongbsap	3	3	6	0	6	6	Farmer	½	1	-	-	-	0	-	14,500
41	Ardis Nongbsap	3	3	6	4	2	6	Farmer	2	1	-	-	-	9	-	24,200
42	Elbina Nongbsap	3	1	4	0	4	4	Farmer	½	½	-	-	-	2	-	6,000
43	Wansohlang Nongbsap	1	1	2	0	2	2	Farmer	½	½	-	-	-	8	-	5,600
44	Alvid Nongbsap	0	1	1	0	1	1	Farmer	2	1	-	-	-	6	-	9,800
45	Tibanles Nongbsap	1	0	1	0	1	1	Farmer	½	½	-	-	-	0	-	6,800
46	Brilliant Nongbsap	2	2	4	0	4	4	Farmer	1	1	-	-	-	4	-	13,500
47	Phrip Nongbsap	1	2	3	1	2	3	Farmer	3	1	-	-	-	12	-	19,500
48	Twailin Nongbsap	3	2	5	2	3	5	Farmer	3	1 ½	-	-	-	8	-	20,000
49	Diona Nongbsap	0	2	2	0	2	2	Farmer	2	1	-	-	-	3	-	6,000
50	Ainoria Nongbsap	6	3	9	2	7	9	Farmer	3	1 ½	-	-	-	8	-	26,500
51	Purdalin Nongbsap	4	2	6	2	4	6	Farmer	1	½	-	-	-	4	-	12,000
52	Triontis Nongbsap	3	4	7	3	4	7	Farmer	5	2	-	-	-	11	-	34,000
53	Shaianora Nongbsap	3	2	5	0	5	5	Farmer	2	1	-	-	-	6	-	21,000
54	Aidusha Nongbsap	1	1	2	2	0	2	Farmer	1 ½	1	-	-	-	4	-	8,500
55	Kesiroi Nongbsap	3	2	5	2	3	5	Farmer	3	1 ½	-	-	-	8	-	20,000
56	Khormai Nongbsap	3	4	7	1	6	7	Farmer	2 ½	1 ½	-	-	-	9	-	27,500
57	Pliantis Nongbsap	4	4	8	1	7	8	Farmer	2 ½	1 ½	-	-	-	9	-	19,000
58	Thngup Nongbsap	3	4	7	1	6	7	Farmer	1	½	-	-	-	6	-	16,500
59	Skila Nongbsap	0	4	4	0	4	4	Farmer	1	½	-	-	-	12	-	16,500
60	Dasuk shisha Nongbsap	2	4	6	1	5	6	Farmer	½	½	-	-	-	13	-	17,400
61	Highpiljoy Nongbsap	0	1	1	0	1	1	Farmer	1	½	-	-	-	6	-	4,900

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – **MAWLUM RUM**
NAME OF C&RD BLOCK – **MYLLIEM**
NAME OF DISTRICT – **EAST KHASI HILLS DISTRICT**

1.	Sada Kurbah	3	5	8	3	5	8	Farmer	1 ½	1	-	-	-	6	-	20,000
2.	Kiangroy pathaw	1	1	2	2	0	2	Farmer	2	1	-	-	-	11	-	8,500
3.	Slingstar K.Krang	3	4	7	3	4	7	Farmer	8	5	-	-	-	6	-	39,000
4.	Medlan Mawlong	1	1	2	1	1	2	Farmer	3	1	-	-	-	4	-	26,000
5.	Rotilian Kurbah	7	3	10	3	7	10	Farmer	4	2	-	-	-	12	-	35,000
6.	Dratson K.Krang	3	3	6	0	6	6	Farmer	2	1	-	-	-	4	-	15,500
7.	Baiahun Kurbah	4	3	7	1	6	7	Farmer	3	2	-	-	-	14	-	29,500
8.	Tho Kurbah	2	3	5	2	3	5	Farmer	2	1	-	-	-	8	-	24,000
9.	Jngom Kurbah	3	4	7	3	4	7	Farmer	8	5	-	-	-	6	-	39,000
10.	Plia Kurbah	3	4	7	0	7	7	Farmer	1	1	-	-	-	11	-	18,000
11.	Sibelda Kurbah	1	0	1	0	1	1	Farmer	3	2	-	-	-	4	-	16,500
12.	Sngurda Kurbah	1	0	1	1	0	1	Farmer	1	½	-	-	-	9	-	8,500
13.	Steinshon Kurbah	2	2	4	0	4	4	Farmer	3 ½	2	-	-	-	12	-	16,500
14.	Kmenda Kurbah	2	5	7	1	6	7	Farmer	1	1	-	-	-	16	-	19,500
15.	Spirda Kurbah	8	4	12	2	10	12	Farmer	2	1	-	-	-	15	-	24,500
16.	Silia Kurbah	1	1	2	0	2	2	Farmer	1	1	-	-	-	4	-	14,200
17.	Meter Kurbah	1	3	4	1	3	4	Farmer	2	1	-	-	-	6	-	17,500
18.	Medral Kurbah	2	3	5	0	5	5	Farmer	2	1 ½	-	-	-	4	-	16,500
19.	Torin Mawlong	0	1	1	1	0	1	Farmer	2	4	-	-	-	0	-	16,000
20.	Sbila Mawlong	6	2	8	1	7	8	Farmer	1	1	-	-	-	11	-	21,500
21.	Birin Kurbah	3	3	6	2	4	6	Farmer	2	1	-	-	-	16	-	36,500
22.	Jmun Kurbah	0	1	1	0	1	1	Farmer	1	1	-	-	-	0	-	7,000
23.	Lida Kurbah	4	2	6	5	1	6	Farmer	5	3	-	-	-	14	-	39,800
24.	Phailin Mawlong	3	5	8	3	5	8	Farmer	2	2	-	-	-	8	-	24,300
25.	Rasta Nongrum	4	1	5	2	3	5	Farmer	2	1	-	-	-	6	-	19,400
26.	Jesis Kharbuki	0	2	2	0	2	2	Farmer	1	5	-	-	-	9	-	21,000
27.	Broad Kurbah	3	2	5	1	4	5	Farmer	½	1	-	-	-	3	-	17,500
28.	Diana Kurbah	4	3	7	2	5	7	Farmer	1	2	-	-	-	8	-	21,000
29.	Kyrmen K Krang	3	3	6	0	6	6	Farmer	½	1	-	-	-	0	-	14,500
30.	Jitalin Kurbah	3	3	6	4	2	6	Farmer	2	1	-	-	-	9	-	24,200

31	Respar Mawlong	3	2	5	0	5	5	Farmer	2	1	-	-	-	6	-	21,000
32	Proda Kurbah	1	1	2	2	0	2	Farmer	1 ½	1	-	-	-	4	-	8,500
33	Lina Kurbah	3	2	5	2	3	5	Farmer	3	1 ½	-	-	-	8	-	20,000
34	Hering Khylliat	3	4	7	1	6	7	Farmer	2 ½	1 ½	-	-	-	9	-	27,500
35	Steral Nongrang	4	4	8	1	7	8	Farmer	2 ½	1 ½	-	-	-	9	-	19,000
36	Kwer K Krang	3	4	7	1	6	7	Farmer	1	½	-	-	-	6	-	16,500
37	Krai Kharkrang	0	4	4	0	4	4	Farmer	1	½	-	-	-	12	-	16,500
38	Metida K.Krang	2	4	6	1	5	6	Farmer	½	½	-	-	-	13	-	17,400
39	Rhemshailin K. Krang	0	1	1	0	1	1	Farmer	1	½	-	-	-	6	-	4,900
40	Krobid Nongbsap	1	5	6	6	0	6	Farmer	3	2	-	-	-	8	-	70,000
41	Phrolin Kurbah	3	5	8	3	5	8	Farmer	1 ½	1	-	-	-	6	-	20,000
42	Ribahun Kurbah	1	1	2	2	0	2	Farmer	2	1	-	-	-	11	-	8,500
43	Trak Kharlor	3	4	7	3	4	7	Farmer	8	5	-	-	-	6	-	39,000
44	Rajan Kurbah	1	1	2	1	1	2	Farmer	3	1	-	-	-	4	-	26,000
45	Barihun K. Krang	7	3	10	3	7	10	Farmer	4	2	-	-	-	12	-	35,000
46	Ritalis K. Krangs	3	3	6	0	6	6	Farmer	2	1	-	-	-	4	-	15,500
47	Pershaliss K. Krang	4	3	7	1	6	7	Farmer	3	2	-	-	-	14	-	29,500
48	Denis K Thangmaw	2	3	5	2	3	5	Farmer	2	1	-	-	-	8	-	24,000
49	Swin K. Krang	3	3	6	2	4	6	Farmer	2	1	-	-	-	16	-	36,500
50	Brokin Kurbah	3	4	7	0	7	7	Farmer	1	1	-	-	-	11	-	18,000
51	Ainolis K. Krang	1	0	1	0	1	1	Farmer	3	2	-	-	-	4	-	16,500
52	Sidalin K Krang	1	0	1	1	0	1	Farmer	1	½	-	-	-	9	-	8,500
53	Eral Mawlong	2	2	4	0	4	4	Farmer	3 ½	2	-	-	-	12	-	16,500
54	Banshimlang K Krang	2	5	7	1	6	7	Farmer	1	1	-	-	-	16	-	19,500
55	Roswell Kurbah	8	4	12	2	10	12	Farmer	2	1	-	-	-	15	-	24,500
56	Deka K Krang	1	1	2	0	2	2	Farmer	1	1	-	-	-	4	-	14,200
57	Banisah K Krang	1	3	4	1	3	4	Farmer	2	1	-	-	-	6	-	17,500
58	Jmen K Krang	2	3	5	0	5	5	Farmer	2	1 ½	-	-	-	4	-	16,500
59	Dhian K Krang	0	1	1	1	0	1	Farmer	2	4	-	-	-	0	-	16,000
60	Datiplang K Krang	6	2	8	1	7	8	Farmer	1	1	-	-	-	11	-	21,500
61	Shurbun K Krang	3	3	6	2	4	6	Farmer	2	1	-	-	-	16	-	36,500
62	Roslin Kharbuki	0	1	1	0	1	1	Farmer	1	1	-	-	-	0	-	7,000
63	Litsha K Krang	4	2	6	5	1	6	Farmer	5	3	-	-	-	14	-	39,800
64	Patrisha Kurbah	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
65	Jibel Kurbah	3	5	8	3	5	8	Farmer	2	2	-	-	-	8	-	24,300
66	Ainahun K Krang	4	1	5	2	3	5	Farmer	2	1	-	-	-	6	-	19,400
67	Rilang K Krang	0	2	2	0	2	2	Farmer	1	5	-	-	-	9	-	21,000

68	Sasirlin Kurbah	3	2	5	1	4	5	Farmer	½	1	-	-	-	3	-	17,500
69	Shlur Kurbah	4	3	7	2	5	7	Farmer	1	2	-	-	-	8	-	21,000
70	Pershalin K Krang	3	3	6	0	6	6	Farmer	½	1	-	-	-	0	-	14,500
71	Rothwian Kurbah	3	3	6	4	2	6	Farmer	2	1	-	-	-	9	-	24,200
72	Aira Kurbah	3	1	4	0	4	4	Farmer	½	½	-	-	-	2	-	6,000
73	Ridahun Kurbah	1	1	2	0	2	2	Farmer	½	½	-	-	-	8	-	5,600
74	Borlang Kurbah	0	1	1	0	1	1	Farmer	2	1	-	-	-	6	-	9,800
75	Eral Mawlong	1	0	1	0	1	1	Farmer	½	½	-	-	-	0	-	6,800
76	Pynsuklang Kurbah	2	2	4	0	4	4	Farmer	1	1	-	-	-	4	-	13,500

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Sl. No.	Name of the Head of the Family	Population			No. of Literate	Land Holding (Ha)			Agriculture Area		Livestock				Water Source	Annual Income
		Male	Female	Total		Irrigated	Rain fed	Total	Settled (in acre)	Jhum (in acre)	Cow	Pig	Goat	Poultry		
1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17
1	Thrang Lyngdoh	3	4	7	6						-	2	-	-	UmMawdngeng	20,000
2	Stibon Nongdhar	2	2	4	4						-	3	-	1	-do-	21,000
3	Noridian Nongdhar	-	3	3	3						-	2	-	3	-do-	18,000
4	Godsto Warjri	3	3	6	4						-	3	-	2	-do-	22,000
5	Junesing Tariang	5	6	11	10						3	3	-	-	-do-	25,000
6	Nanafulmon Nongkhlaw	1	1	2	2						-	-	-	-	-do-	15,000
7	Taitsing Kharkongor	5	5	10	9						-	4	-	-	-do-	30,000
8	Shmelsing Sohtun	5	3	8	5						-	3	-	-	-do-	23,500
9	Tista Kharkongor	-	1	1	1						-	2	-	-	-do-	13,000
10	Jansing Lyngdoh	3	7	10	6						-	4	-	3	-do-	20,500
11	Shlaksing Kharkongor	2	1	3	1						-	2	-	2	-do-	18,000
12	Dilington Kharkongor	4	3	7	3						-	2	8	0	-do-	20,000
13	Tngentibon Kharkongor	-	2	2	1						-	1	-	-	Um-Mawkatad	10,000
14	Dlin Kharmawphlang	1	2	3	2						-	2	-	-	-do-	18,000
15	Armo Nongdhar	2	1	3	2						-	2	-	2	-do-	15,000
16	Ailet Kharmawphlang	3	4	7	3						-	2	-	-	-do-	18,000
17	Shanian Kharmawphlang	3	1	4	2						-	1	-	-	-do-	18,000
18	Krina Nongkhlaw	5	6	11	6						-	2	2	-	-do-	23,000
19	Wording Iawiong	2	2	4	4						-	3	-	-	-do-	30,000
20	Raikut Kharmawphlang	3	3	6	3						-	3	-	-	-do-	20,000
21	Slombar Nongrum	2	3	5	2						-	4	-	4	-do-	18,000
22	Bresson Nongbri	2	3	5	3							4		3	-do-	18,000
23	Phretilis Kharmon	2	3	5	2							2		2	-do-	18,000
24	Moles Nongkhlaw	1	3	4	2							1			-do-	20,000
25	Maria Kharmawphlang	4	5	9	4							2		3	-do-	25,000
26	Wusstarly Lyngkhai	1	3	4	2							2			-do-	35,000
27	Ailinda Nongdhar	3	4	7	2							2	3		Phud-Umngeit	30,000
28	Erila Nongdhar	0	1	1	1							2		4	-do-	12,000
29	Kerdalin Nongdhar	6	1	7	6							4		3	-do-	28,000
30	Sildoris Kharkongor	2	4	6	2							4		8	-do-	30,000
31	Komsimon Kharmawphlang	7	6	13	5							4		5	-do-	25,000

Sl. No.	Name of the Head of the Family	Population			No. of Literate	Land Holding (Ha)			Agriculture Area		Livestock				Water Source	Annual Income
		Male	Female	Total		Irrigated	Rain fed	Total	Settled (in acre)	Jhum (in acre)	Cow	Pig	Goat	Poultry		
1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17
32	Stina Kharmawphlang	1	4	5	3						-	4	-	3	Phud Umngeit	25,000
33	Krinalin Kharmawphlang	1	1	2							-	2	-	-	-do-	24,000
34	Bartisha Kharkongor	1	3	4							3	2	-	-	-do-	28,000
35	Smi Kharkongor	3	7	10	1						-	2	8	-	Sem Khniang	29,000
36	Theiri Kharkongor	4	5	9	1						-	4	2	-	-do-	28,000
37	Badahun Kharkongor	0	3	3							-	-	-	-	-do-	20,000
38	Twian Kharkongor	2	2	4							-	2	3	-	-do-	25,000
39	Twin Kharkongor	4	1	5							-	2	-	4	-do-	25,000
40	Altisha Kharkongor	1	2	3							-	2	-	-	-do-	20,000
41	Wiek Kurkalang	3	2	5	2						-	2	3	-	Remmahun	28,000
42	Bod Sohtun	3	4	7	3						3	2	-	-	Sem Khniang	30,000
43	Markila Kharkonogor	1	3	4	3						-	1	-	-		20,000
44	Broi Kharkongor	2	4	6	1						-	1	-	2	Remmahun	20,000
45	Noris Kharkongor	2	4	6	1						-	-	-	-	-do-	20,000
46	Ashalin Kharkongor	1	1	2	1						-	-	-	-	-do-	20,000
47	Hina Kharkongor	2	2	4	1						-	2	-	3	-do-	25,000
48	Rihat Kurkalang	2	4	6	2						-	2	-	-	-do-	20,000
49	Rikor Kurkalang	5	2	7	3						-	3	-	4	-do-	30,000
50	Dapstine Kurkalang	2	3	5	2						-	2	-	1	-do-	25,000
51	Driana Kharkongor	3	7	10	8						-	2	-	1	-do-	28,000
52	Jnge Kharkongor	1	-	1	-						-	-	-	-	-do-	12,000
53	Tata Kharkongor	4	2	6	1							2	-	4	-do-	20,000
54	Aidalin Kharkongor	4	3	7	3							4	-	2	Kru, kru	28,000
55	Nehmon Kharmawphlang	5	3	8	6						2	2	-	-	-do-	30,000
56	Jrui Kharmawphlang	1	3	4	1						4	2	-	-	-do-	28,000
57	Shatimon Kharmawphlang	2	2	4	-						-	-	-	-	-do-	25,000
58	Kdiahmon Kharmawphlang	2	2	4	2						-	2	-	-	Kru, Kru	20,000
59	Diana Kharkongor	6	5	11	9						-	2	-	-	Sem Khniang	30,000
60	Snorian Kharmawphlang	8	2	10	6						-	4	-	2	Kru, Kru	30,000
61	Jmoit Kharkongor	3	4	7	3						-	4	-	-	-do-	30,000
62	Deantimon Kurkalang	2	3	5	1						-	2	-	3	-do-	30,000

Sl. No.	Name of the Head of the Family	Population			No. of Literate	Land Holding (Ha)			Agriculture Area		Livestock				Water Source	Annual Income
		Male	Female	Total		Irrigated	Rain fed	Total	Settled (in acre)	Jhum (in acre)	Cow	Pig	Goat	Poultry		
1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17
63	Plibon Kharmawphlang	3	3	6	1						-	2	-	8	Rem Mahun	25,000
64	Bitoria Kurkalang	3	3	6	5						-	4	-	5	-do-	26,000
65	Thron Kurkalang	1	3	4	2						2	4	-	2	-do-	28,000
66	Idoris Kurkalang	2	3	5	4						1	4	-	2	-do-	25,000
67	Shock Kurkalang	5	2	7	4						-	4	-	3	Kru Kru	30,000
68	Thlin Kurkalang	1	1	2	1						-	2	-	-	-do-	30,000
69	Prian Kurkalang	4	1	5	1						-	-	-	-	Ram Jajew	30,000
70	Bidarlin Kurkalang	2	4	6	3						-	2	-	8	Sem Khniang	30,000
71	Sukimon Sohtun	1	5	6	2						4	2	-	-	Ram Jajew	28,000
72	Shuthibon Sohtun	3	3	6	3						-	4	-	4	-do-	30,000
73	Theirit Sohtun	3	5	8	4						-	4	-	3	Kru, Kru	30,000
74	Switi Kharkongor	3	4	7	3						2	3	-	2	Kru, Kru	30,000
75	Ritimon Kharkongor	2	1	3	2						-	-	-	-	Kru, Kru	25,000
76	Bekod Kharkongor	2	3	5	2						-	1	-	-	-do-	20,000
77	Milin Kharkongor	2	1	3	1						-	2	-	2	-do-	20,000
78	Binorian Kharmawphlang	4	3	7	5						-	4	-	3	-do-	30,000
79	Mebalin Kharmawphlang	3	1	4	2						-	2	-	-	-do-	30,000
80	Sting Kurkalang	1	-	1	1						-	-	-	-	-do-	12,000
81	Sabita Kharmawphlang	3	2	5	1						-	2	4	-	Phud-Umngeit	20,000
82	Brom Kharmawphlang	2	1	3	-						-	2	3	-	-do-	20,000
83	Mardarin Kharmawphlang	2	1	3	1						-	2	-	1	-do-	20,000
84	Snati Kharmawphlang	5	3	8	1							2	-	-	-do-	32,000
85	Shrolin Kharmawphlang	3	2	5	1						-	2	-	-	-do-	25,000
86	Slina Kharmawphlang	1	2	3	1						-	2	-	4	-do-	25,000
87	Isort Kharmawphlang	1	-	1	-						-	-	-	-	-do-	18,000
88	Ailit Kharkongor	2	4	6	2						-	-	-	-	Rem Mahun	28,000
89	Staiolin Kurkalang	1	3	4	3						-	2	-	2	Sem Khniang	30,000
90	Wankyntiew Kurkalang	2	2	4	2						-	2	-	4	Rem Mahun	25,000
91	Dli Kharmawphlang	1	-	-	-						-	-	-	-	Phud Umngeit	12,000
92	Hun Kharmawphlang	3	2	5	2						-	2	-	1	Kru, Kru	20,000
93	Dulibon Sohtun	5	5	10	6						4	2	-	4	Sem Khniang	35,000

Sl. No.	Name of the Head of the Family	Population			No. of Literate	Land Holding (Ha)			Agriculture Area		Livestock				Water Source	Annual Income
		Male	Female	Total		Irrigated	Rainfed	Total	Settled (in acre)	Jhum (in acre)	Cow	Pig	Goat	Poultry		
1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17
94	Jnartilin Sohtun	3	4	7	3						-	2	-	4	Sem Khniang	30,000
95	Kjartilin Sohtun	2	3	5	1						-	2	-	-	-do-	25,000
96	Nori Kharkongor	1	-	1	1						-	-	-	-	Rem Mahun	12,000
97	Ristar Warjri	2	1	3	1						-	-	-	-	Umiewmer	25,000
98	Miak Sohtun	1	1	2	1						-	2	2	-	-do-	25,000
99	Mril Nongdhar	1	4	5	2						2	4	-	-	Pdeng Shnong	20,000
100	Mebit Nongdhar	3	6	9	6						-	4	-	2	-do-	22,000
101	Klora Nongdhar	3	4	7	5						-	-	-	-	-do-	20,000
102	Mitalin Nongdhar	3	3	6	1						-	-	-	-	-do-	20,000
103	Podian Nongdhar	3	4	7	4						-	-	-	-	-do-	25,000
104	Thak Nongdhar	1	-	1	1						-	-	-	-	-do-	20,000
105	Tyngshain Myllemngap	2	1	3	2						-	2	-	-	-do-	20,000
106	Mercilinda Nongdhar	1	3	4	1						-	2	-	3	-do-	22,000
107	Jabansing Kharmawphlang	2	1	3	2						-	2	-	3	-do-	20,000
108	Elebel Nongdhar	-	1	1	1						-	-	-	4	-do-	18,000
109	Khror Nongdhar	-	1	1	-						3	2	-	-	-do-	18,000
110	Shrek Nongdhar	3	3	6	4						-	3	-	-	-do-	25,000
111	Phaidalin Nongdhar	3	5	8	7						-	2	-	4	-do-	25,000
112	Stailis Nongkhlaw	6	7	13	8						-	4	-	-	-do-	28,000
113	Shalen Nongdhar	1	-	1	-						-	-	-	-	Um-Pdeng Shnong	10,000
114	Sohlinda Tariang	5	3	8	5						-	2	-	2	-do-	25,000
115	Radhonstar Kharmawphlang	1	3	4	2						-	-	-	-	-do-	18,000
116	Thwial Tariang	3	2	5	4						3	2	-	-	-do-	20,000
117	Stibalmon Kharmon	3	1	4	4						-	2	-	-	Umkrem u Bor	20,000
118	Iaroh Kharmon	1	4	5	2						-	4	-	3	-do-	20,000
119	Stabon Kharmon	3	3	6	2						-	4	-	2	-do-	20,000
120	Rudsilin Kharkongor	1	1	2	1						-	-	-	4	-do-	15,000
121	Badsten Kurkalang	4	2	6	2						-	-	-	4	-do-	20,000
122	Pordaris Langstieh	2	1	3	-						-	-	-	-	Um-Pdeng Shnong	15,000
123	Bialin Nongkhlaw	1	3	4	-						-	-	-	-	-do-	15,000
124	Bakotsing Nongkhlaw	3	4	7	4						-	-	-	-	Umiewmer	20,000
125	Enjelina Warjri	3	3	6	3						-	-	-	-	-do-	20,000
126	Henry Mawlong	2	3	5	3						-	4	-	5	-do-	25,000
127	Phlina Warjri	5	2	7	1						-	2	-	3	Umlatah	15,000
128	Tiewli Kharkongor	3	5	8	2						-	2	-	4	-do-	20,000
129	Marbi Kharkongor	6	4	10	5						-	2	-	2	-do-	30,000
130	Jyrlin Kharkongor	2	3	5	3						-	3	-	-	-do-	15,000

Sl. No.	Name of the Head of the Family	Population			No. of Literate	Land Holding (Ha)			Agriculture Area		Livestock				Water Source	Annual Income
		Male	Female	Total		Irrigated	Rainfed	Total	Settled (in acre)	Jhum (in acre)	Cow	Pig	Goat	Poultry		
1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17
94	Jnartilin Sohtun	3	4	7	3						-	2	-	4	Sem Khniang	30,000
95	Kjartilin Sohtun	2	3	5	1						-	2	-	-	-do-	25,000
96	Nori Kharkongor	1	-	1	1						-	-	-	-	Rem Mahun	12,000
97	Ristar Warjri	2	1	3	1						-	-	-	-	Umiewmer	25,000
98	Miak Sohtun	1	1	2	1						-	2	2	-	-do-	25,000
99	Mril Nongdhar	1	4	5	2						2	4	-	-	Pdeng Shnong	20,000
100	Mebit Nongdhar	3	6	9	6						-	4	-	2	-do-	22,000
101	Klora Nongdhar	3	4	7	5						-	-	-	-	-do-	20,000
102	Mitalin Nongdhar	3	3	6	1						-	-	-	-	-do-	20,000
103	Piodian Nongdhar	3	4	7	4						-	-	-	-	-do-	25,000
104	Thak Nongdhar	1	-	1	1						-	-	-	-	-do-	20,000
105	Tyngshain Myllemngap	2	1	3	2						-	2	-	-	-do-	20,000
106	Mercilinda Nongdhar	1	3	4	1						-	2	-	3	-do-	22,000
107	Jabansing Kharmawphlang	2	1	3	2						-	2	-	3	-do-	20,000
108	Elebel Nongdhar	-	1	1	1						-	-	-	4	-do-	18,000
109	Khror Nongdhar	-	1	1	-						3	2	-	-	-do-	18,000
110	Shrek Nongdhar	3	3	6	4						-	3	-	-	-do-	25,000
111	Phaidalin Nongdhar	3	5	8	7						-	2	-	4	-do-	25,000
112	Stailis Nongkhlaw	6	7	13	8						-	4	-	-	-do-	28,00
113	Shalen Nongdhar	1	-	1	-						-	-	-	-	Um-Pdeng Shnong	10,000
114	Sohlinda Tariang	5	3	8	5						-	2	-	2	-do-	25,000
115	Radhonstar Kharmawphlang	1	3	4	2						-	-	-	-	-do-	18,000
116	Thwial Tariang	3	2	5	4						3	2	-	-	-do-	20,000
117	Stibalmon Kharmon	3	1	4	4						-	2	-	-	Umkrem u Bor	20,000
118	Iaroh Kharmon	1	4	5	2						-	4	-	3	-do-	20,000
119	Stabon Kharmon	3	3	6	2						-	4	-	2	-do-	20,000
120	Rudsilin Kharkongor	1	1	2	1						-	-	-	4	-do-	15,000
121	Badsten Kurkalang	4	2	6	2						-	-	-	4	-do-	20,000
122	Pordaris Langstieh	2	1	3	-						-	-	-	-	Um-Pdeng Shnong	15,000
123	Balin Nongkhlaw	1	3	4	-						-	-	-	-	-do-	15,000
124	Bakotsing Nongkhlaw	3	4	7	4						-	-	-	-	Umiewmer	20,000
125	Enjelina Warjri	3	3	6	3						-	-	-	-	-do-	20,000
126	Henry Mawlong	2	3	5	3						-	4	-	5	-do-	25,000
127	Phlina Warjri	5	2	7	1						-	2	-	3	Umlatah	15,000
128	Tiewli Kharkongor	3	5	8	2						-	2	-	4	-do-	20,000
129	Marbi Kharkongor	6	4	10	5						-	2	-	2	-do-	30,000
130	Jyrlin Kharkongor	2	3	5	3						-	3	-	-	-do-	15,000

Sl. No.	Name of the Head of the Family	Population			No. of Literate	Land Holding (Ha)			Agriculture Area		Livestock				Water Source	Annual Income
		Male	Female	Total		Irrigated	Rainfed	Total	Settled (in acre)	Jhum (in acre)	Cow	Pig	Goat	Poultry		
1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17
131	Subon Kharkongor	4	3	7	3						-	4	-	-	Umlatah	15,000
132	Jongngi Kharkongor	4	3	7	4						-	3	-	2	-do-	20,000
133	Slat Shion Kharkongor	4	3	7	3						-	2	-	-	-do-	20,000
134	Poncitian Kharkongor	-	2	2	1						-	1	-	-	Ummawramhah	15,000
135	Phralshon Lyngdoh	1	1	2	1						-	2	-	-	-do-	20,000
136	Timira Kharkongor	2	4	6	1						-	4	-	4	-do-	20,000
137	Narisha Kharkongor	3	3	6	0						-	3	-	2	Umlatah	20,000
138	Rikyntiewlin Kharmawphlang	4	1	5	4						-	1	-	-	-do-	25,000
139	Sormina Warjri	2	4	6	3						-	4	-	3	-do-	20,000
140	Jwin Warjri	3	2	6	1						-	2	-	3	Shyngiarkwat	20,000
141	Madina Nongkhlaw	2	2	5	5						-	2	-	5	Umkrem u Bor	20,000
142	Trabel Warjri	3	2	5	4						-	2	-	-	-do-	20,000
143	Donlang Tariang	5	3	8	6						-	3	-	-	-do-	20,000
144	Tribor Warjri	2	2	4	2						-	1	-	-	-do-	21,000
145	Birela Kharmon	2	2	4	2						-	2	-	-	-do-	25,000
146	Kliensing Kharmawphlang	4	4	8	6						-	3	-	8	Um Pdengshnong	30,000
147	Jphuini Kharkongor	2	4	6	3						-	2	-	1	-do-	18,000
148	Lucy Nongdhar	3	3	6	2						1	2	-	-	-do-	20,000
149	Pron Kharkongor	1	-	1	-						-	-	-	-	-do-	15,000
150	Kron Kharkongor	1	1	2	-						2	1	-	-	-do-	15,000
151	Suktimon Sohtun	-	1	1	-						-	-	-	-	-do-	15,000
152	Ilal Sohtun	3	2	5	-						-	2	-	-	-do-	20,000
153	Hen Warbah	2	1	3	-						-	-	-	-	-do-	25,000
154	Kit Warbah	2	1	3	-						-	-	-	-	-do-	25,000
155	Sharna Warjri	3	2	5	4						-	4	-	2	Kroh Padai	20,000
156	Smarlin Warjri	4	2	6	4						-	2	-	-	-do-	18,000
157	Balinsha Warjri	4	4	8	5						-	2	-	3	-do-	20,000
158	Jwersila Warjri	5	3	8	6						-	1	-	-	-do-	22,000
159	Jrina Warjri	2	4	6	5						4	2	-	-	-do-	23,000
160	Phramon Warjri	-	3	3	2						-	4	-	6	-do-	18,000
161	Yoris Warjri	-	1	1	-						-	4	-	-	-do-	8,000
162	Khwil Warjri	1	2	3	2						-	4	-	-	-do-	15,000
163	Morningstar Warjri	3	-	3	1						-	-	-	-	-do-	17,000
164	Kwisdalin Warjri	2	3	5	4						-	-	5	-	-do-	18,000
165	Prailis Warjri	1	3	4	3						-	2	-	-	Kdong ka Moin	17,000
166	Swailin Warjri	5	4	9	7						-	4	-	-	-do-	22,000

167	Sharimai Warjri	5	3	8	7						-	2	-	-	-do-	25,000
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Sl. No.	Name of the Head of the Family	Population			No. of Literate	Land Holding (Ha)			Agriculture Area		Livestock				Water Source	Annual Income
		Male	Female	Total		Irrigated	Rainfed	Total	Settled (in acre)	Jhum (in acre)	Cow	Pig	Goat	Poultry		
1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17
168	Beris Warjri	-	1	1	-						-	-	-	-	Kdong Kamoin	7,000
169	Snidalin Kharmon	4	2	6	4						-	4	-	-	Wah 7mer	20,000
170	Iamid Kharmon	3	2	5	3						-	2	-	-	-do-	18,000
171	Prit Kharmon	1	2	3	-						-	2	-	3	-do-	19,000
172	Balatsha Kharmon	3	2	5	3						-	2	-	-	-do-	21,000
173	Theimon Kharmon	5	2	7	2						-	2	-	4	-do-	22,000
174	Slian Warjri	2	2	4	4						-	2	-	-	Them Kroh Padai	20,000
175	Badaplin Kharphuli	3	2	5	3						-	-	-	-	Wah 7mer	23,000
176	Balakhamti Kharkongor	5	2	7	6						-	-	-	-	-do-	25,000
177	Tried Sohtun	7	7	14	11						-	2	4	3	Krem Bor	27,000
178	Sadamon Sohtun	3	6	9	6						-	2	-	3	-do-	18,000
179	Daiaimon Sohtun	4	3	7	6						-	4	2	3	-do-	20,000
180	Batrisha Kharkongor	2	2	4	2						-	1	-	-	-do-	19,000
181	Rijina Kharkongor	2	4	6	4						-	4	-	-	-do-	28,000
182	Selbon Kharkongor	5	3	8	2						-	2	-	-	Ummawramhah	20,000
183	Bralda Tariang	4	6	10	5						-	4	-	4	-do-	20,000
184	Nojilda Tariang	4	3	7	4						-	2	-	-	-do-	20,000
185	Merisha Kharkongor	3	5	8	7						1	4	-	-	-do-	20,000
186	Slup Warjri	1	2	3	2						-	2	-	3	Shyngiarkwat	20,000
187	Phildalin Nongdhar	3	3	6	3						-	4	-	-	-do-	20,000
188	Jwiak Warjri	1	4	5	4						-	3	-	-	-do-	15,000
189	Skisha Meri Warjri	3	2	5	0						-	1	-	-	-do-	20,000
190	Wanieit Warjri	2	2	4	2						-	2	-	-	-do-	20,000
191	Kristina Kharkongor	6	3	9	3						-	2	8	-	-do-	20,000
192	Bisdora Kharkongor	4	1	5	2						2	2	-	-	-do-	20,000
193	Baiaimon Kharkongor	1	3	4	4						-	4	-	-	Singkular	21,000
194	Twin Kharkongor	2	5	7	4						-	2	-	-	-do-	22,000
195	Nilabon Kharkongor	5	3	8	6						-	1	-	-	-do-	18,000
196	Dinalin Kharmawphlang	2	3	5	3						-	3	-	4	Phud-Umngeit	28,000

197	Kraldalin Kharmawphlang	4	1	5	2						-	2	-	6	Ktieh u Dar	25,000
198	Jreit Sohtun	4	3	7	4						6	4	-	4	-do-	30,000
199	Prila Sohtun	2	2	4	1						6	4	-	3	-do-	30,000
200	Iatilin Kharkongor	3	1	4	2						-	2	-	2	-do-	25,000
201	Aislin Kharmawphlang	3	3	6	2						4	2	-	3	-do-	28,000
202	Khibon Kharmawphlang	2	3	5	3						6	3	-	-	-do-	26,000
203	Prolin Kharmawphlang	2	3	5	3						-	2	-	4	-do-	25,000
Sl. No.	Name of the Head of the Family	Population			No. of Literate	Land Holding (Ha)			Agriculture Area		Livestock				Water Source	Annual Income
		Male	Female	Total		Irrigated	Rainfed	Total	Settled (in acre)	Jhum (in acre)	Cow	Pig	Goat	Poultry		
1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17
204	Masngisha Sohtun	2	2	4	2						-	2	-	2	Ktieh Udar	24,000
205	Midaris Kharmawphlang	2	3	5	2						-	2	-	-	-do-	23,000
206	Bhianti Kharmawphlang	3	3	6	6						-	2	-	2	-do-	30,000
207	Recod Kharmawphlang	3	3	6	2						-	2	-	4	-do-	20,000
208	Phridian Kharmawphlang	3	4	7	1						-	2	-	-	-do-	25,000
209	Phliedina Kharmawphlang	2	5	7	5						-	2	-	3	-do-	26,000
210	Thiorian Kharmawphlang	2	4	6	6						-	4	-	6	-do-	30,000
211	Midian Kharmawphlang	3	2	5	4						-	3	-	10	-do-	28,000
213	Dwonsing Sohtun	5	3	8	4						-	4	-	8	-do-	30,000
213	Bromlin Kharkongor	2	6	8	4						3	4	-	10	Mawdngun	30,000
214	Tiewsibon Nongdhar	5	3	8	4						-	6	-	8	-do-	30,000
215	Thriel Kharmawphlang	3	2	5	3						-	3	-	8	-do-	25,000
216	Kror Kharmawphlang	0	2	2	1						-	6	-	10	-do-	25,000
217	Shitstina Kharmawphlang	3	1	4	4						-	4	-	11	Ktieh Udar	28,000
218	Iarishiha Kharkongor	2	1	3	1						-	1	-	2	-do-	25,000
219	Shimtimon Kharmawphlang	1	5	6	2						-	1	-	-	-do-	25,000
220	Pralin Kharmawphlang	4	4	8	2						3	3	-	14	-do-	28,000
221	Shiantimon Kharmawphlang	1	5	6	3						-	2	-	10	Phud-Umngeit	25,000
222	Ain Sohtun	4	7	11	3						-	3	-	15	-do-	29,000
223	Sanmon Kharmawphlang	1	5	6	5						3	3	-	8	-do-	30,000
224	Komsimon Kharmawphlang	2	1	3	1						-	3	-	12	Ktieh Udar	25,000
225	Thria Kharmawphlang	7	7	14	11						-	3	-	8	-do-	30,000
226	Kdiana Kharmawphlang	1	3	4	-						-	4	-	4	-do-	25,000
227	Binolin Kharmawphlang	4	5	9	2						-	3	-	4	-do-	25,000
228	Bidalin Kharmawphlang	2	2	4	-						-	3	-	4	-do-	28,000
229	Rilis Kharmawphlang	3	2	5	3						-	3	-	5	Phud-Umngeit	30,000
230	Partimon Kharmawphlang	4	4	8	2						-	3	-	14	-do-	20,000
231	Sunita Kharmawphlang	1	6	7	3						3	8	-	10	-do-	26,000
232	Jhin Kharmawphlang	1	2	3	2						-	2	-	3	-do-	20,000
233	Ierinda Kharmawphlang	2	3	5	2						-	2	-	12	-do-	20,000
234	Siden Kharmawphlang	-	6	6	2						-	1	-	5	-do-	20,000
235	Trot Kharmawphlang	4	2	6	5						-	3	-	5	-do-	20,000

236	Slomon Kharmawphlang	1	6	7	2						-	2	-	5	-do-	20,000
237	Sumarhun Kharmawphlang	5	1	6	1						-	2	-	10	-do-	25,000
238	Idrit Kharmawphlang	2	1	3	2						-	-	-	-	Ktieh Udar	20,000
239	Itmon Kharmawphlang	-	3	3	1						-	4	-	8	-do-	22,000
240	Stimon Kharmawphlang	2	3	5	2						-	3	-	8	-do-	24,000

Sl. No.	Name of the Head of the Family	Population			No. of Literate	Land Holding (Ha)			Agriculture Area		Livestock				Water Source	Annual Income
		Male	Female	Total		Irrigated	Rainfed	Total	Settled (in acre)	Jhum (in acre)	Cow	Pig	Goat	Poultry		
1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17
241	Stikos Kharmawphlang	1	3	4	2						-	3	-	12	Ktieh Udar	26,000
242	Nger Kharmawphlang	-	3	3	1						3	4	-	8	-do-	30,000
243	Shindro Kharkongor	2	3	5	2						-	4	-	13	-do-	25,000
244	Iolian Kharkongor	5	2	7	3						-	6	-	18	-do-	30,000
245	Lendamon Kharkongor	1	3	4	2						-	2	-	4	-do-	20,000
246	Phulibon Sohtun	2	3	5	3						-	4	-	3	-do-	28,000
247	Riket Tariang	5	6	11	5						-	4	-	13	-do-	26,000
248	Slona Kharkongor	9	7	16	7						3	4	-	13	-do-	30,000
249	Aicoles Nongdhar	2	2	4	3						-	2	-	4	-do-	20,000
250	Silinmon Nongdhar	2	2	4	2						-	1	-	2	-do-	20,000
251	Thirbon Nongdhar	6	4	10	4						-	8	-	4	Phud-Umngeit	20,000
252	Niel Sibon Kharmawphlang	2	3	5	4						6	4	-	3	-do-	28,000
253	Tiolin Kharmawphlang	1	2	3	1						8	2	-	10	-do-	30,000
254	Dhianmon Kharmawphlang	2	2	4	1						-	2	-	8	-do-	25,000
255	Jhianmon Kharmawphlang	-	2	2	2						-	1	-	6	-do-	27,000
256	Shawlin Kharmawphlang	3	3	6	3						-	2	-	2	-do-	20,000
257	Jalin Kharmawphlang	3	2	5	5						-	1	-	-	-do-	20,000
258	Mesibon Kharmawphlang	1	3	4	3						-	2	-	8	-do-	30,000
259	Norita Kharmawphlang	3	3	6	4						-	8	-	10	-do-	28,000
260	Tmil Nongkhlaw	1	3	4	2						-	2	-	3	-do-	20,000
261	Pynkmenlang Nongkhlaw	1	2	3	2						-	2	-	8	-do-	20,000
262	Ialinda Kharkongor	3	2	5	2						-	2	-	8	-do-	22,000
263	Barisha Nongkhlaw	2	2	4	2						-	2	-	8	-do-	21,000
264	Rasta Nongkhlaw	3	2	5	3						-	5	-	6	-do-	28,000
265	Airin Nongkhlaw	1	4	5	3						-	4	-	8	-do-	26,000
266	Nosta Nongkhlaw	3	4	7	4						-	5	-	6	-do-	25,000

267	Miiola Nongkhlaw	1	2	3	2						-	2	-	3	-do-	21,000
268	Rimai Nongkhlaw	0	2	2	2						-	2	-	4	-do-	20,000
269	Pher Kharkongor	4	2	6	4						4	4	-	3	-do-	28,000
270	Bralin Kharkongor	5	5	10	5						3	4	-	8	-do-	32,000
271	Subalin Kharkongor	1	2	3	2						-	1	-	1	-do-	20,000
272	Selbon Kharkongor	3	5	8	6						-	3	-	8	-do-	22,000
273	Khring Kharkongor	3	3	6	6						4	3	-	2	-do-	30,000
274	Snalson Kharkongor	1	2	3	2						-	2	-	6	-do-	28,000
275	Snorit Kharkongor	1	2	3	2						-	3	-	2	-do-	24,000
276	Plo Kharmudai	-	1	1	1						-	1	-	-	-do-	20,000
277	Tngian Kharmudai	4	2	6	6						4	4	-	1	-do-	30,000
Sl. No.	Name of the Head of the Family	Population			No. of Literate	Land Holding (Ha)			Agriculture Area		Livestock				Water Source	Annual Income
		Male	Female	Total		Irrigated	Rainfed	Total	Settled (in acre)	Jhum (in acre)	Cow	Pig	Goat	Poultry		
1	2	3	4	5	6	7	8		10	11	12	13	14	15	16	17
278	Thoi Kharmudai	1	3	4	2						4	2	-	8	Phud-Umngeit	28,000
279	Thria Kurkalang	1	1	2	2						-	2	-	4	Kru Kru	20,000
280	Jailinda Kurkalang	2	4	6	2						2	2	-	4	-do-	22,000
281	Hei Kurkalang	1	3	4	2						-	2	-	4	-do-	20,000
282	Banjelin Kurkalang	2	3	5	3						4	2	-	4	-do-	30,000
283	Drina Kurkalang	3	5	8	5						6	4	-	4	-do-	32,000
284	Saialin Kurkalang	1	1	2	-						-	1	-	2	-do-	20,000
285	Darihun Kharmudai	2	2	4	2						-	-	-	5	-do-	20,000
286	Phortina Kharmawphlang	1	6	7	4						-	2	-	6	Tieh Synteng	23,000
287	Tri Kharmawphlang	-	2	2	1						-	1	-	-	-do-	18,000
288	Mislian Kharmawphlang	-	2	2	1						-	3	-	-	-do-	20,000
289	Shatilin Kharmawphlang	3	2	5	2						-	3	-	4	Kru Kru	26,000
290	Rimidian Nongkhlaw	0	2	2	2						-	1	-	-	-do-	18,000
291	Iasuklang Nongkhlaw	5	2	7	4						-	1	-	2	-do-	22,000
292	India Nongkhlaw	2	3	5	2						-	1	-	2	-do-	20,000
293	Prodin Sohtun	3	2	5	4						-	2	-	-	Krem U Bor	20,000
294	Proi Tariang	5	2	7	2						-	3	-	-	-do-	20,000
295	Linsha Tariang	-	2	2	2						-	-	-	-	-do-	20,000
296	Katsting Sohtun	3	2	5	3						-	2	-	-	-do-	20,000
297	Twier Tariang	3	5	8	7						4	2	-	-	-do-	20,000
298	Phlir Tariang	-	2	2	-						1	3	-	-	-do-	15,000
299	Aistilin Tariang	3	5	8	4						-	2	-	-	-do-	15,000
300	Dliep Kharmawphlang	3	2	5	3						4	3	-	-	-do-	20,000
301	Blier Kharkongor	6	5	11	10						-	3	-	-	Maw Ramhah	20,000
302	Iohbor Sohtun	2	4	6	5						-	4	-	-	-do-	20,000
303	Phramon Kharkongor	6	2	8	8						-	4	-	-	-do-	20,000
304	Phrida Kharkongor	5	2	7	4						-	-	-	-	-do-	20,000
305	Kmoid Kharkongor	-	1	1	-						-	-	-	-	-do-	15,000
306	Shmil Kharkongor	3	3	6	3						4	3	-	2	-do-	20,000

ANNEXURE III
COST ESTIMATES

COST NORMS FOR EARTHEN CONTOUR BUND (INTEGRATED WATERSHED MANAGEMENT PROGRAMME)

(Rate as per PWD, SOR for R&B 2008 – 2009)

A. CONTOUR BUNDS SPECIFICATION & COSTS

Top Width = 0.5 m

Bottom Width = 1.0 m

Height = 0.77 m

Spacing = 20 m

Total Length = 5 x 100 = 500 m

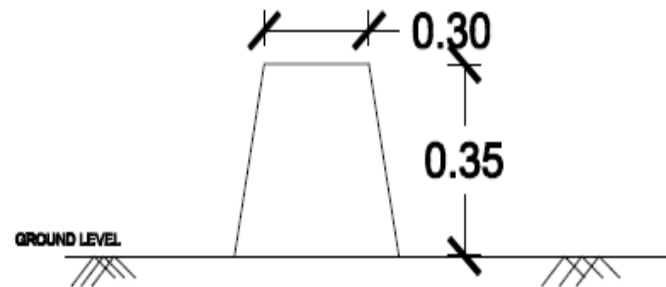
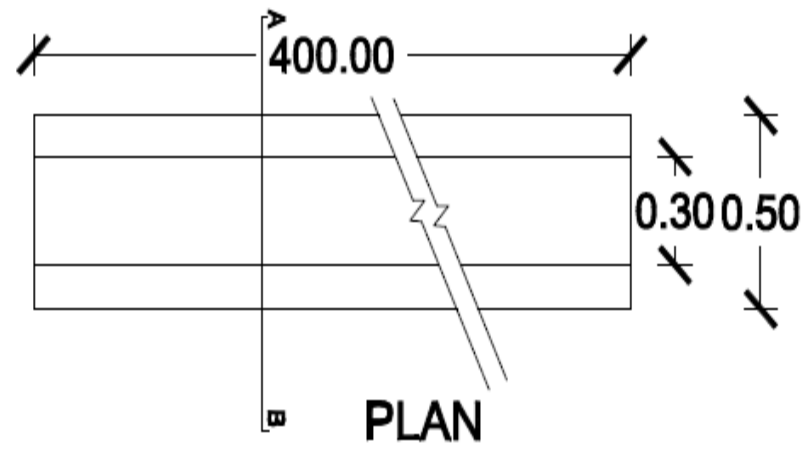
1/3 (a) Earthwork in excavation etc. in ordinary soil etc.

$$500\text{m} \times \frac{0.5+1.0}{2} \text{m} \times 0.77 = 288.5\text{m}^3$$

$$@ \text{Rs.}26.00/\text{m}^3 = \text{Rs.}7500.00$$

$$\text{Total} = \text{Rs.}7500.00$$

(Rupees Seven Thousand Five Hundred) only.



CROSS SECTION AT A-B

**DRAWING OF
CONTOUR BUND.**

NOT TO
SCALE

All dimensions are in
metres
DRAWN BY

COST NORMS FOR EARTHEN PERIPHERAL BUND WITH LIVE VEGETATION PER METRE
(INTEGRATED WATERSHED MANAGEMENT PROGRAMME)
(Rate as per PWD, SOR for R&B 2008 – 2009)

A. PERIPHERAL BUNDS SPECIFICATION & COSTS

Top Width = 1.0 m

Bottom Width = 1.2 m

Height = 1.0 m

1/3 (a) Earthwork in excavation etc. in ordinary soil etc.

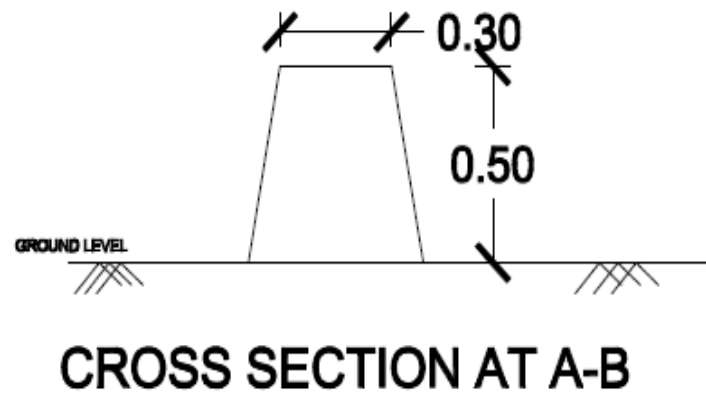
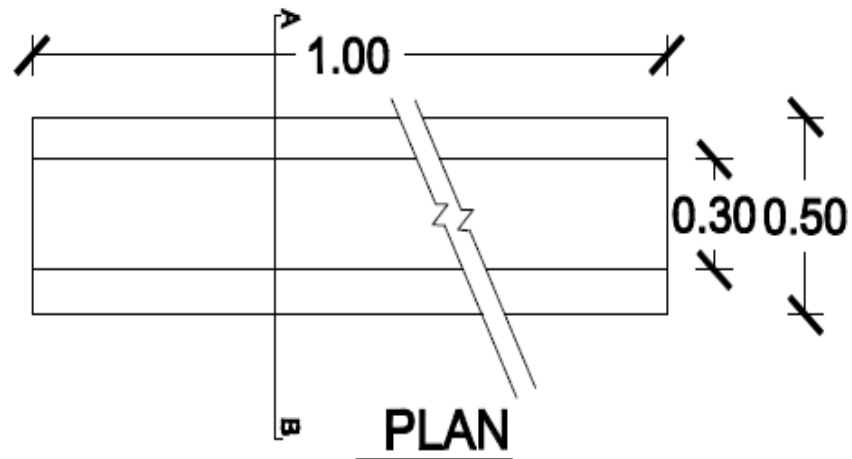
$$1.0\text{m} \times \frac{1.0+1.2}{2} \text{m} \times 1.0\text{m} = 1.10\text{m}^3$$

$$@ \text{Rs.}39.00/\text{m}^3 = \text{Rs.}43.00$$

2. Supplying and planting of live hedges on toe of bunds
 with local shrubs/cutting etc.
 per Running metre in L.S

	=	<u>Rs. 7.00</u>
Total	=	<u>Rs.50.00</u>

(Rupees Fifty) only.



**DRAWING OF
PERIPHERAL BUND.**

NOT TO
SCALE

All dimensions are in
metres
DRAWN BY

MODEL NORMS PER HECTARE FOR AGRO – HORTICULTURE WITH CITRUS FRUIT (INTEGRATED WATERSHED

MANAGEMENT PROGRAMME)

(Rate as per PWD, SOR for R&B 2008 – 2009)

Spacing - 8m x 6.3m

Plant Density - 200 Nos.

A. Preliminary works

I. Site clearance

3 mandays @ Rs.100/- per manday - Rs. 300.00

II. Pit digging (pit size 0.45m x 0.45m x 0.45m)

200 Nos. @ Rs.5/- each - Rs.1000.00

Total - Rs.1300.00

B. First year Planting

I. Cost of planting materials

200 Nos. @ Rs.10/- each - Rs.2000.00

II. Cost of planting 200 Nos. @ Rs. 3/- each

- Rs. 600.00

III. Weeding two times

20 mandays @ Rs.100/- per manday - Rs.2000.00

Total - Rs.4600.00

C. Second year Planting

I. Refilling vacancy (10%)

- Rs. 360.00

II. Weeding two times

20 mandays @ Rs.100/- per manday - Rs.2000.00

III Plant protection measures including
cost of chemical

- Rs. 340.00

Total - Rs.2700.00

Grand Total A+B+C = Rs.1300.00 + Rs.4600.00 + Rs.2700.00 = Rs.8600.00

(Rupees Eight thousand six hundred) only.

MODEL NORMS PER HECTARE FOR IMPROVEMENT OF DEGRADED FOREST (INTEGRATED WATERSHED

MANAGEMENT PROGRAMME)

(Rate as per PWD, SOR for R&B 2008 – 2009)

B. Preliminary works

J. Site clearance

3 mandays @ Rs.100/- per manday - Rs. 300.00

II. Pit digging (pit size 0.30m x 0.30m x 0.30m)

100 Nos. @ Rs.4/- each - Rs. 400.00

Total - Rs. 700.00

B. First year Planting

I. Cost of planting materials

100 Nos. @ Rs.8/- each - Rs. 800.00

II. Cost of planting 100 Nos. @ Rs. 2/- each

- Rs. 200.00

III. Round Weeding around the plant four times

5 mandays @ Rs.100/- per manday - Rs. 500.00

IV. Fire protection measures

4 mandays @ Rs.100/- per manday - Rs. 400.00

Total - Rs.1900.00

C. Second year Planting

I. Refilling vacancy (10%)

- Rs. 100.00

III. Round Weeding around the plant four times

5 mandays @ Rs.100/- per manday - Rs. 500.00

III. Fire protection measures

4 mandays @ Rs.100/- per manday - Rs. 400.00

Total - Rs.1000.00

Grand Total A+B+C = Rs.700.00 + Rs.1900.00 + Rs.1000.00 = Rs.3600.00

(Rupees Three thousand six hundred) only.

MODEL ESTIMATE FOR CONSTRUCTION OF WATER HARVESTING STRUCTURE

(The rate based as per P.W.D Schedule of rates for Roads, Bridges and
E & D Works 2008 - 2009)

Name of Beneficiary -

Name of Location/Village -

- 1/5 (a) Earthwork in excavation for abutment and wing walls of bridges and culverts, up to the desired founding level including dewatering, bailing out of water and protecting the foundation sides by adequate shoring, scaffolding and including leveling the foundation longitudinally and transversely etc.

$$1 \times 6.00 \times 1.00 \times 0.50 = 3.00 \text{ m}^3$$

$$1 \times 1.90 \times 1.50 \times 0.35 = 0.99 \text{ m}^3$$

$$1 \times 1.90 \times 0.20 \times 0.30 = 0.11 \text{ m}^3$$

$$\underline{4.10 \text{ m}^3}$$

$$@ \text{Rs.}124.00/\text{m}^3$$

Rs. 508.40

- 2/26 Providing cement concrete work in proportion 1:4:8 with hard broken stone aggregates 40mm down graded, including necessary carriage of stone and sand within a distance of 200m and curing, complete as directed.

$$1 \times 6.00 \times 1.00 \times 0.10 = 0.60 \text{ m}^3$$

$$@ \text{Rs.}2136.00/\text{m}^3$$

Rs. 1281.60

- 3/41 Providing shuttering with dressed planks not less than 25mm thick properly joined including battens, props to the proper level and removing the same after the concrete hardened.

$$1 \times 6.00 \times 1.10 = 6.60 \text{ m}^2$$

$$1 \times 6.00 \times 1.20 = 7.20 \text{ m}^2$$

$$2 \times 5.00 \times 0.40 = 4.00 \text{ m}^2$$

$$4 \times 1.70 \times 0.30 = 2.40 \text{ m}^2$$

$$4 \times 1.20 \times 0.30 = 1.44 \text{ m}^2$$

$$4 \times 0.40 \times 0.30 = 0.48 \text{ m}^2$$

$$2 \times 1.20 \times 0.20 = 0.48 \text{ m}^2$$

$$2 \times 0.40 \times 0.20 = 0.16 \text{ m}^2$$

$$2 \times 1.90 \times 0.20 = 0.76 \text{ m}^2$$

$$\underline{23.16 \text{ m}^2}$$

$$@ \text{Rs.}295.00/\text{m}^2$$

Rs. 6832.20

- 4/28 Providing cement concrete work in abutments, wing walls and return walls in proportion 1:3:6 with hard broken stone aggregates 40mm down graded including necessary carriage of stone and sand within a distance of 200m etc.

$$1 \times 6.00 \times 1.00 \times 0.40 = 2.40 \text{ m}^3$$

$$1 \times 6.00 \times \frac{1.00 + 0.50}{2} \times 1.10 = 4.95 \text{ m}^3$$

$$2 \times 2.25 \times 0.50 \times 0.40 = 0.90 \text{ m}^3$$

$$2 \times 1.70 \times 0.50 \times 0.20 = 0.34 \text{ m}^3$$

$$2 \times 1.20 \times 0.30 \times 0.20 = 0.14 \text{ m}^3$$

$$2 \times 0.40 \times 0.30 \times 0.20 = 0.05 \text{ m}^3$$

$$1 \times 1.90 \times 0.50 \times 0.20 = 0.19 \text{ m}^3$$

$$1 \times 1.90 \times 1.50 \times 0.10 = 0.28 \text{ m}^3$$

$$\underline{9.25 \text{ m}^3}$$

$$@ \text{Rs.} 2344.00/\text{m}^3$$

Rs.21682.00

- 5/24 Providing stone pitching with one man size boulders not less than 25cm X 25cm X 30cm long including filling the interstices with spoils and carriage of stone within a distance of 200m complete as directed.

$$1 \times 1.90 \times 1.50 \times 0.25 = 0.71 \text{ m}^3$$

$$@ \text{Rs.} 512.00/\text{m}^3$$

Rs. 363.52

- 6/27 Providing 12mm thick cement plastering including cleaning surface, curing and carriage of sand within 200m complete.

$$1 \times 6.00 \times 1.10 = 6.60 \text{ m}^2$$

$$1 \times 6.00 \times 1.20 = 7.20 \text{ m}^2$$

$$2 \times 5.00 \times 0.40 = 4.00 \text{ m}^2$$

$$4 \times 1.70 \times 0.30 = 2.04 \text{ m}^2$$

$$4 \times 1.20 \times 0.30 = 1.44 \text{ m}^2$$

$$4 \times 0.40 \times 0.30 = 0.48 \text{ m}^2$$

$$2 \times 1.20 \times 0.20 = 0.48 \text{ m}^2$$

$$2 \times 0.40 \times 0.20 = 0.16 \text{ m}^2$$

$$2 \times 1.90 \times 0.20 = 0.76 \text{ m}^2$$

$$\underline{23.16 \text{ m}^2}$$

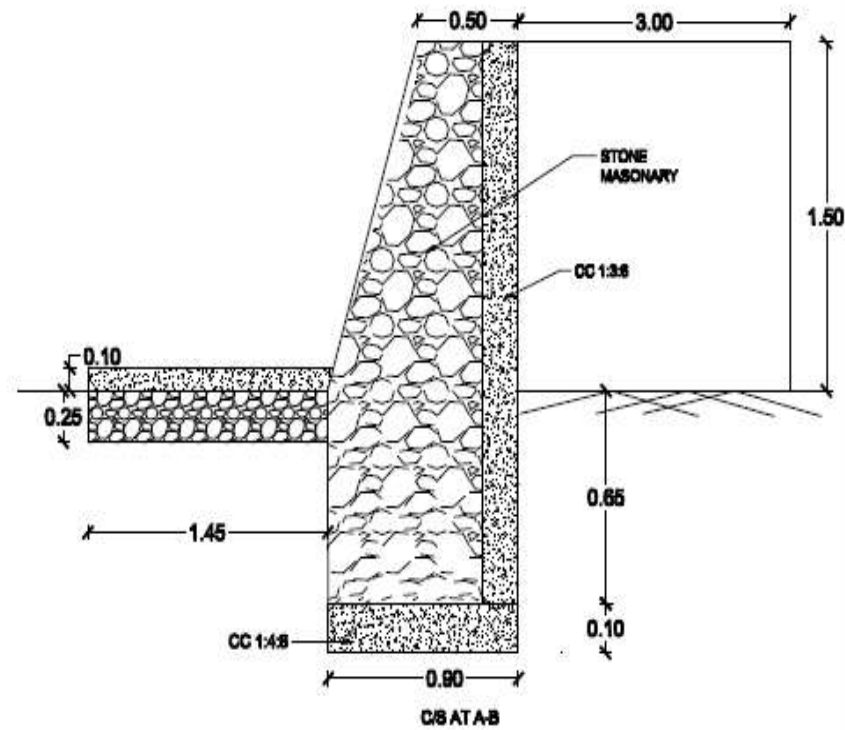
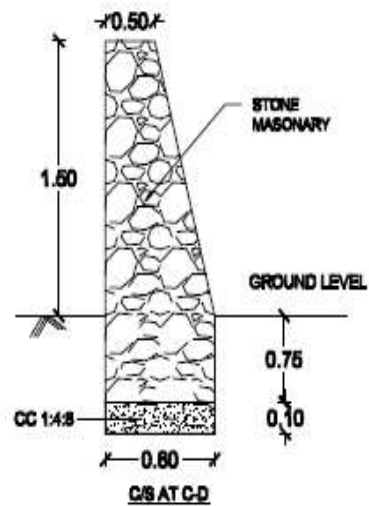
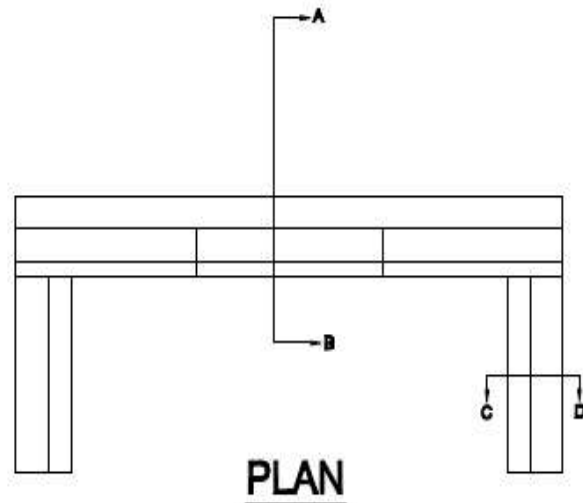
$$@ \text{Rs.} 93.00/\text{m}^2$$

Rs. 2153.88

TOTAL: Rs.32821.60

Say Rs.32,800.00

(Rupees Thirty two thousand eight hundred) only



CONSTRUCTION OF WATER HARVESTING STRUCTURE

NOT TO
SCALE

All dimensions are in metres
DRAWN BY

ESTIMATE FOR CONSTRUCTION OF DUG OUT POND.

(Rate Based as per MPWD scheduled or rates for Roads and Bridges for Eastern circle, Shillong for the year 2008-09)

HEIGHT : 2.0 m.

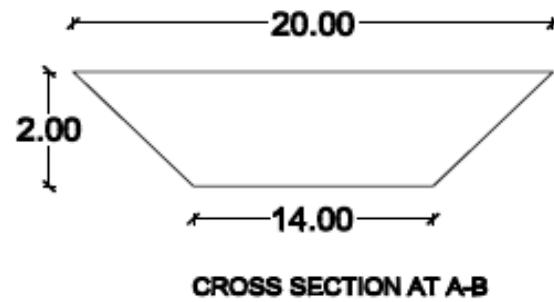
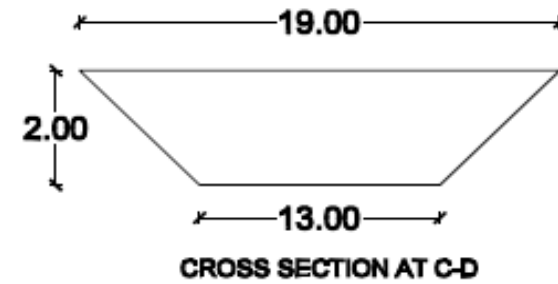
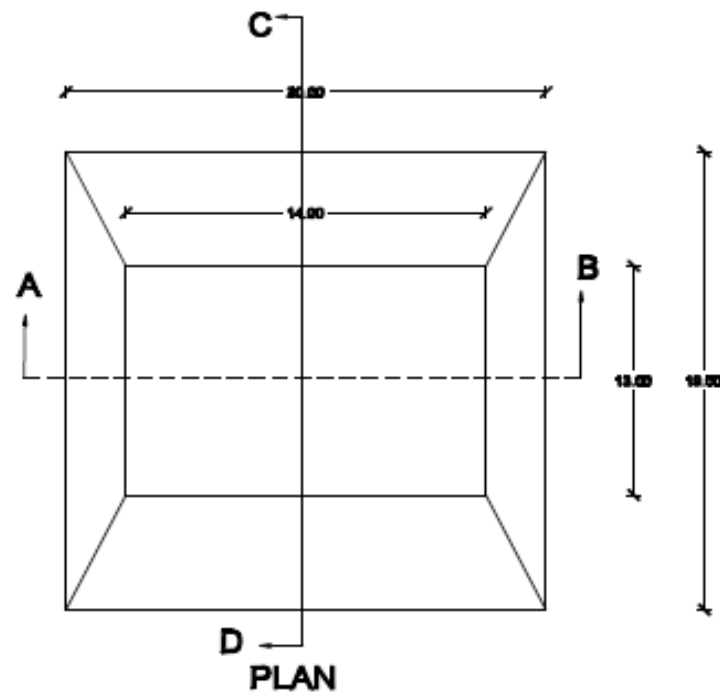
Sl no	PARTICULARS	NO	DIMENSION			QTY	UNIT	RATE (Rs)	AMOUNT (RS)
			L	B	H				
1/3 (b)	Earthwork in excavation to the proper grade including light dressing, providing cambering and super elevation as directed and removal of spoil up to 30m lead and all lift.	1	20	19	0.25	95.00	cu.m		
		4	17	16	0.25	272.00	cu.m		
		1	14	13	0.25	45.50	cu.m		
		TOTAL				412.50	cu.m	39	16087.50

GRAND TOTAL

16087.50

**SAY :- ₹
16,000.00**

RUPEES SIXTEEN THOUSAND ONLY.



DUG-OUT POND

NOT TO
SCALE

All dimensions are in
metres

DRAWN BY

MODEL ESTIMATE FOR CONSTRUCTION OF C.C. CHECK DAM

(The rate based as per P.W.D Schedule of rates for Roads, Bridges and
E & D Works 2008 - 2009)

- 1/5 (a) Earthwork in excavation for abutment and wing walls of bridges and culverts, up to the desired founding level including dewatering, bailing out of water and protecting the foundation sides by adequate shoring, scaffolding and including leveling the foundation longitudinally and transversely etc.

$$\begin{aligned} 1 \times 5.80 \times 1.00 \times 0.50 &= 2.90 \text{ m}^3 \\ 1 \times 4.85 \times 1.50 \times 0.30 &= \frac{2.18 \text{ m}^3}{5.08 \text{ m}^3} \\ &\text{@ Rs.124.00/m}^3 \end{aligned}$$

Rs. 629.92

- 2/26 Providing cement concrete work in proportion 1:4:8 with hard broken stone aggregates 40mm down graded, including necessary carriage of stone and sand within a distance of 200m and curing, complete as directed.

$$\begin{aligned} 1 \times 5.80 \times 1.00 \times 0.10 &= 0.58 \text{ m}^3 \\ &\text{@ Rs.2136.00/m}^3 \end{aligned}$$

Rs. 1238.88

- 3/41 (a) Providing shuttering with dressed planks not less than 25mm thick properly joined including battens, props to the proper level and removing the same after the concrete hardened.

$$\begin{aligned} 1 \times 5.80 \times 1.10 &= 6.38 \text{ m}^2 \\ 1 \times 5.80 \times 1.20 &= 6.96 \text{ m}^2 \\ 2 \times 3.50 \times 0.40 &= 2.80 \text{ m}^2 \\ 1 \times 7.85 \times 0.05 &= \frac{0.39 \text{ m}^2}{16.53 \text{ m}^2} \\ &\text{@ Rs.295.00/m}^2 \end{aligned}$$

Rs. 7876.35

- 4/28 Providing cement concrete work in abutments, wing walls and return walls in proportion 1:3:6 with hard broken stone aggregates 40mm down graded including necessary carriage of stone and sand within a distance of 200m etc.

$$\begin{aligned}
 1 \times 5.80 \times 1.00 \times 0.40 &= 2.32 \text{ m}^3 \\
 1 \times 5.80 \times \frac{1.00 + 0.50}{2} \times 1.10 &= 4.78 \text{ m}^3 \\
 2 \times 1.50 \times 0.50 \times 0.40 &= 0.60 \text{ m}^3 \\
 1 \times 4.85 \times 1.50 \times 0.10 &= \underline{0.73 \text{ m}^3} \\
 &8.43 \text{ m}^3 \\
 &\text{@ Rs.2344.00/m}^3 \qquad \text{Rs.19759.92}
 \end{aligned}$$

- 5/24 Providing stone pitching with one man size boulders not less than 25cm X 25cm X 30cm long including filling the interstices with spoils and carriage of stone within a distance of 200m complete as directed.

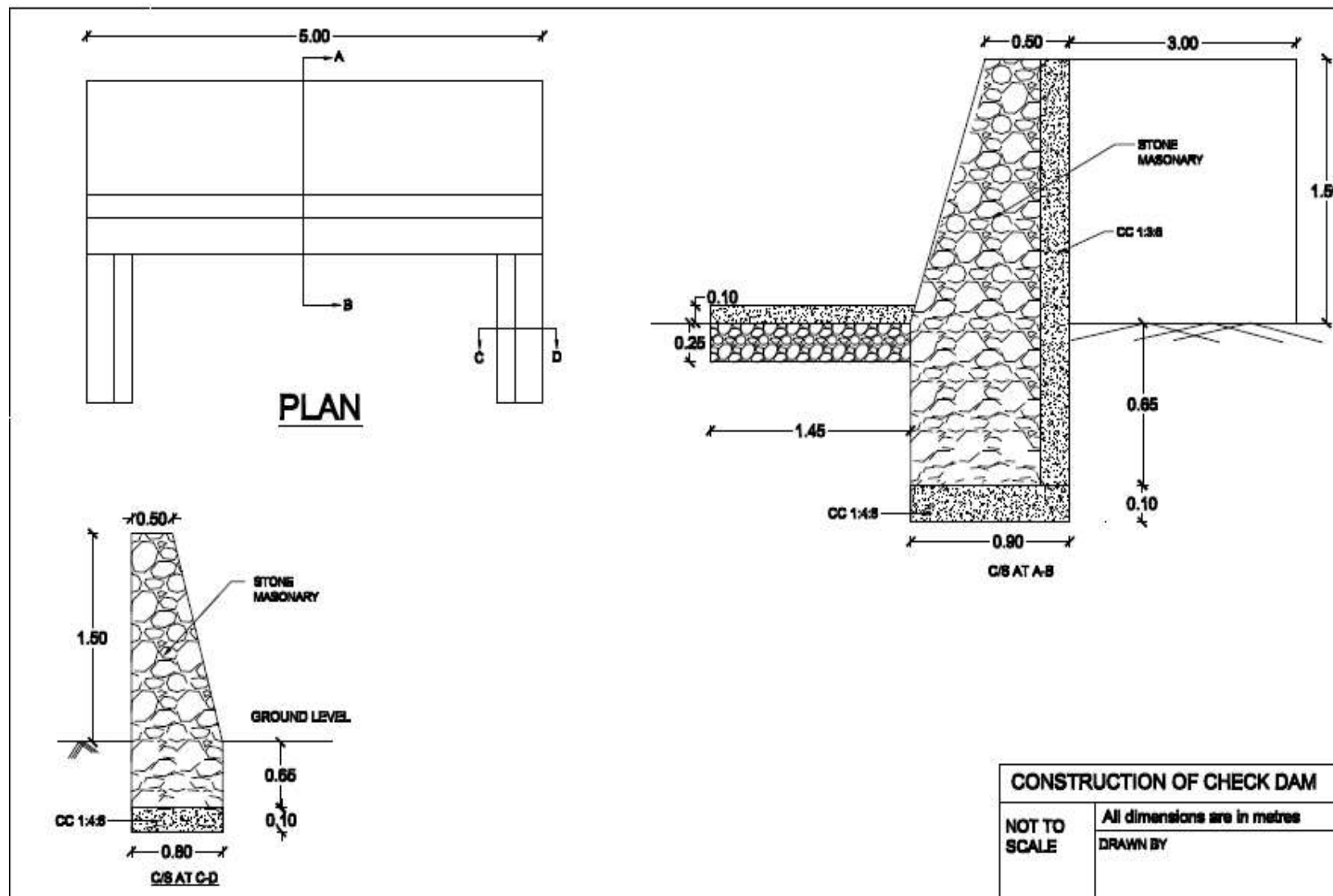
$$\begin{aligned}
 1 \times 4.85 \times 1.50 \times 0.25 &= 1.82 \text{ m}^3 \\
 &\text{@ Rs.512.00/m}^3 \qquad \text{Rs. 931.84}
 \end{aligned}$$

- 6/27 Providing 12mm thick cement plastering including cleaning surface, curing and carriage of sand within 200m complete.

$$\begin{aligned}
 1 \times 5.80 \times 1.10 &= 6.38 \text{ m}^2 \\
 1 \times 5.80 \times 1.20 &= 6.96 \text{ m}^2 \\
 2 \times 3.50 \times 0.40 &= 2.80 \text{ m}^2 \\
 1 \times 5.80 \times 0.50 &= 2.90 \text{ m}^2 \\
 1 \times 4.85 \times 1.50 &= \underline{7.28 \text{ m}^2} \\
 &26.32 \text{ m}^2 \\
 &\text{@ Rs.93.00/m}^2 \qquad \text{Rs. 2447.76} \\
 \text{TOTAL:} &\underline{\text{Rs.29884.67}}
 \end{aligned}$$

Say Rs.29,900.00

(Rupees Twenty nine thousand nine hundred) only.



COST NORMS FOR RUN – OFF DISPOSAL CHANNEL
(INTEGRATED WATERSHED MANAGEMENT PROGRAMME)
(Rate as per PWD, SOR for R&B 2008 – 2009)

Specification - Top Width - 1.00m
Bottom Width - 0.70m
Depth - 1.2m

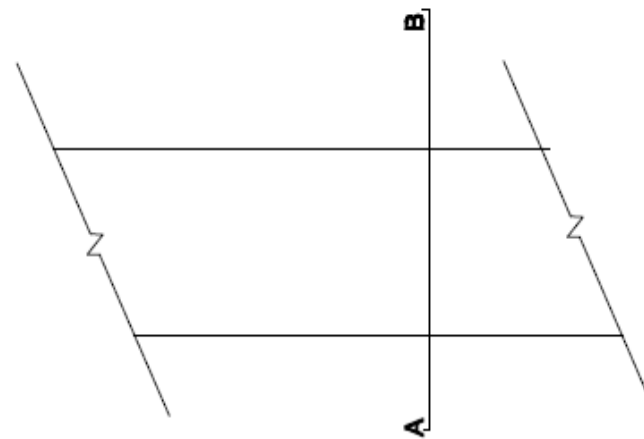
1/3 (a) Earthwork in excavation etc. in ordinary soil.

$$1\text{m} \times \frac{1.00 + 0.7}{2} \times 1.2\text{m} = 1.02 \text{ m}^3$$

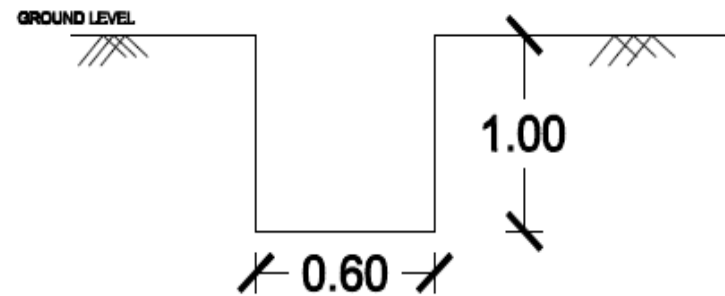
$$\begin{array}{rcl} @ \text{Rs.}26.00/- \text{ per m}^3 & = & \underline{\text{Rs.}26.52} \\ \text{Total} & = & \text{Rs.}26.52 \end{array}$$

Say Rs.26.00

(Rupees Twenty six) only.



PLAN



CROSS SECTION AT A-B

**DRAWING OF RUN OFF
CHANNEL.**

NOT TO
SCALE

All dimensions are in
metres
DRAWN BY





ENTRY POINT ACTIVITY UMRAPIONG WATERSHED