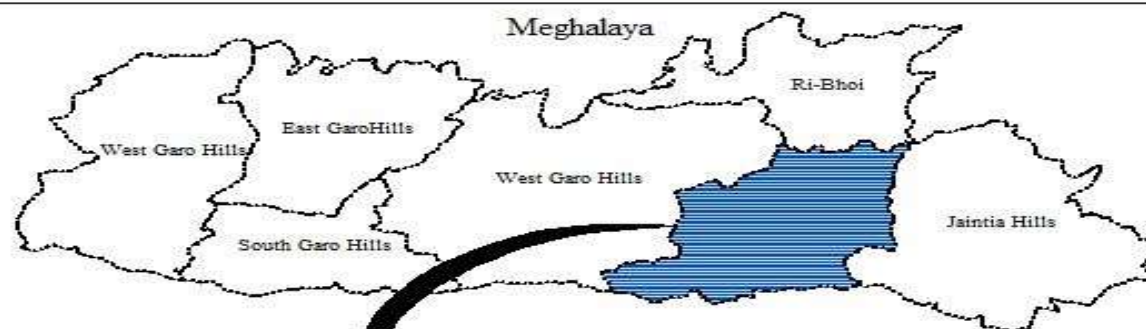


**DETAILED PROJECT REPORT OF
WAH UMLYNGDOH AND UMJANI WATERSHED
INTEGRATED WATERSHED MANAGEMENT
PROJECT – IX- 2010-2011. EAST KHASI HILLS DISTRICT
UNDER MAWPHLANG C & RD BLOCK
2010-2011
EAST KHASI HILLS DISTRICT**



**SOIL AND WATER CONSERVATION DEPARTMENT
TERRITORIAL DIVISION : SHILLONG**

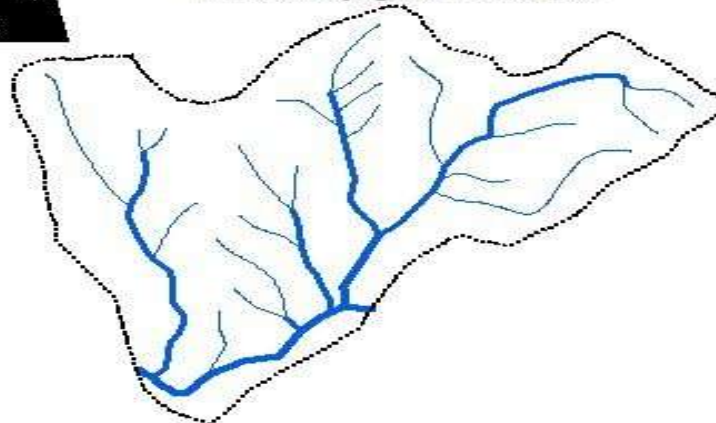
Location Map



East Khasi Hills



Wah Um Lyngdoh Watershed



SUMMARY

Name of the State	:	Meghalaya
Name of the District	:	East Khasi Hills District
Name of the C&RD Block	:	Mawphlang C & RD Block
Name of the Village	:	(i) Krang Nonglum (ii) Krang Nongrum (iii) Krang Nongrum Centre (iv) Krang Mawkhar Marbaniang (v) Phudmyrdong (vi) Mawkohtep (vii) Jani Mawiong
Name of the Project	:	East Khasi Hills – IWMP – IX
Total Geographical Area	:	1456 Ha
Total Treatment Area	:	1000 Ha
Total Project Cost	:	150 lakhs
Project Duration	:	5 Years
Project Implementing Agency	:	Soil & Water Conservation Territorial Division, Shillong.

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CHAPTER I

INTRODUCTION AND BACKGROUND

CHAPTER I

INTRODUCTION AND BACKGROUND

1.1 Project Background: Wah Umlyngdoh

The Wah Umlyngdoh (IWMP-IX) project is located in Mawphlang C&RD Block, East Khasi Hills District of Meghalaya. Consisting of a single micro-watershed, the project area is drained by the Wah Umlyngdoh River and its tributaries are Wah Umsohlang, Wah Malyngkait, Wah Kyndong kaji, Wah Liewlong, Wah Umshoh, Wah Mawratrat, and Wah Kyndongsladieng flowing in a north to south direction. The total area is 527 Ha. with 500 to be treated under the Integrated Watershed Management Programme (IWMP).

The Project area is located at a distance of about 45 kms from Shillong the District Headquarter and also the State Capital. A total of Four villages are covered under the project. These are –

- 1 Krang Nonglum
- 2 Krang Nongrum
- 3 Krang Nongrum centre
- 4 Krang Mawkhar Marbaniang

1.2 Micro-watershed Information:

The micro-watershed code is 3C1B5a2d as codified by the North East Space Application Centre (NESAC). The total area of the micro-watershed is 527 Ha., with 500 hectares to be treated under the Integrated Watershed Management Programme (IWMP).

1.3 Need and Scope for Watershed Development:

The micro-watershed 3C1B5a2d falls under the High Priority category as per the prioritization of watersheds by the North East Space Application Centre (NESAC). All the 4 (Four) villages have road connectivity. The farmers comprised of Landless Farmer, Small Farmer and Marginal Farmer and 182 households are below the poverty line, which is 65% of the total households. The main stay of the inhabitants of these villages is Agriculture they cultivate Paddy, potato, vegetable and some horticulture crop etc.

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

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

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

- i. MGNREGS
- iv. Swarnjayanti Gram Swarozgar Yojana (SGSY)
- v. Indira Awas Yojana (IAY)

1.5 Project Background: Umjani

The Umjani (IWMP-IX) project is located in Mawphlang C&RD Block, East Khasi Hills District of Meghalaya. Consisting of a single micro-watershed, the project area is drained by the Umjani River and its tributaries are kyndong tongum, kyndong phudmyrdong, kyndong phud mawlong kyndong kari and kyndong umdum flowing in a north to south direction. The total area is 929 Ha. with 500 to be treated under the Integrated Watershed Management Programme (IWMP).

The Project area is located at a distance of about 45 kms from Shillong the District Headquarter and also the State Capital. A total of Three villages are covered under the project. These are –

- i. Phudmyrdong
- ii. Mawkohtep
- iii. Jani Mawiong

1.6 Micro-watershed Information:

The micro-watershed code is 3B16Ha2f as codified by the North East Space Application Centre (NESAC). The total area of the micro-watershed is 929 Ha., with 500 hectares to be treated under the Integrated Watershed Management Programme (IWMP).

1.7 Need and Scope for Watershed Development:

The micro-watershed 3B16Ha2f falls under the High Priority category as per the prioritization of watersheds by the North East Space Application Centre (NESAC). All the 3 (three) villages have road connectivity. The farmers comprised of Landless Farmer, Small Farmer and Marginal Farmer and 148 households are below the poverty line, which is 65% of the total households. The main stay of the inhabitants of these villages is Agriculture they cultivate Paddy, potato, vegetable and some horticulture crop etc.

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

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

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

1 MGNREGS

2 Swarnjayanti Gram Swarozgar Yojana (SGSY)

3 Indira Awas Yojana (IAY)

CHAPTER II

BASIC INFORMATION OF THE PROJECT AREA

CHAPTER II

BASIC INFORMATION OF THE PROJECT AREA

2.1 Location: Wah Umlyngdoh

The Project area is located within the area of Sohiong Lyngdohship under Mawphlang C&RD Block, East Khasi Hills District. It is situated at a distance of about 45 km from Shillong the District Headquarter which is also the State Capital. The geographical location is between $91^{\circ} 45' 33.39''$ to $91^{\circ} 47' 37.16''$ E Longitude and $25^{\circ} 34' 52.55''$ to $25^{\circ} 36' 26.68''$ N Latitude. There are 4 villages within the Watershed which are as follows –

1. Krang Nonglum
2. Krang Nongrum
3. Krang Nongrum Centre
4. Krang Mawkhar Marbaniang

2.2 Physiography:

The physiography of the micro-watershed is highly undulating. The altitude ranges from a minimum of 1600m to a high of 1900m above mean sea level. In the lower reaches (valley lands) the slope ranges from 28% to 35%, however, in the middle and upper reaches it is greater than 49 %, and can reach up to 180%.

Table 2.1: Physiographic details

Elevation (metres)	Slope Range (%)	Order of watershed Sub/Micro-watershed	Major streams	Topography
1600 m to 1820 m	28% to 180 %	Micro Watershed	Wah Umlyngdoh	Gentle Sloping

2.3 Drainage: The major stream draining the micro-watershed is the Wah Umlyngdoh which is a 4th order stream flowing in a north-south direction. The slopes of the micro-watershed are dissected by numerous small tributaries flowing to the Wah Umlyngdoh.

2.4 Soil: Soil Texture ranges from moderate loam to fine clay loam. 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.

2.1 Location: Umjani

The Project area is located within the area of Sohiong Lyngdohship under Mawphlang C&RD Block, East Khasi Hills District. It is situated at a distance of about 24 km from Shillong the District Headquarter which is also the State Capital. The geographical location is between $91^{\circ} 45' 23.47''$ to $91^{\circ} 46' 21.73''$ E Longitude and $25^{\circ} 28' 20.55''$ to $25^{\circ} 36' 26.68''$ N Latitude. There are 3 villages within the Watershed which are as follows –

- i. Phudmyrdong
- ii. Mawkohtep
- iii. Jani Mawiong

2.2 Physiography:

The physiography of the micro-watershed is highly undulating. The altitude ranges from a minimum of 1460m to a high of 1900m above mean sea level. In the lower reaches (valley lands) the slope ranges from 36% to 42%, however, in the middle and upper reaches it is greater than 60 %, and can reach up to 180%.

Table 2.1: Physiographic details

Elevation (metres)	Slope Range (%)	Order of watershed Sub/Micro-watershed	Major streams	Topography
1460 m to 1840 m	36% to 180 %	Micro Watershed	Umjani	Gentle Sloping

2.3 Drainage: The major stream draining the micro-watershed is the Umjani River which is a 4th order stream flowing in a north-south direction. The slopes of the micro-watershed are dissected by numerous small tributaries flowing to the Umjani River.

2.4 Soil: Soil Texture ranges from moderate loam to fine loamy. 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 States	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	IWMP-IX	Water erosion				
				a	Sheet	825 Ha	2500-4000	10.50-15.00 Tonne /Ha/year.
				b	Rill	276 Ha		
				c	Gully	152Ha		
				Sub total		1253 Ha		

2.5 Climate: The area are hot in summer and remain cold throughout the winter. The area on the higher reaches is warm during summer and cold during winter. The average annual rainfall is 2200mm.

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 rainfall in mm (preceding 5 years' average)	Major crops	
						a) Type	b) Area (ha)		a) Name	b) Area (ha)
1.	Meghalaya	Central Thermic Plateau	527 Ha	East Khasi Hills	Wah Umlyngdoh watershed IWMP-IX	Clay loam and Fine Loamy, Mixed, Thyrmic Humaquepts	527 Ha	2200 mm	Paddy, Potato, Vegetables Yam, Maize etc	55 Ha 66 Ha 70 Ha 20 Ha 39 Ha
2.		Central Thermic Plateau	929 Ha	do	Umjani watershed IWMP-IX	Loamy Soil and fine loamy	929 Ha	2200 mm	Paddy, Potato, Vegetables Yam, Maize etc	54 Has 65 ha 75 Ha 18 Ha 24 Ha
							1456 Ha	Total		486Ha

2.6 Agriculture: Agriculture is the primary occupation of the people of the area. The principal agricultural crops grown are potato, sweet potato, maize, yam, Paddy and vegetables. Fruit crops are also suited in these area.

Table 2.4: Crop yield and production

Crops	Area (ha)	Average Yield (Qtl) per ha.	Total Production (Qtl.)
Paddy	109	15	1635
Potato	131	64	8384
vegetable	145	30	4350
Yam	38	18	684
Maize	63	15	945

2.7 Natural Vegetation: The tree species common to the watershed area includes – *Pinus Petula*. And somelocal varieties. However, due to charcoal burning and felling down of trees the forest cover of the area has reduced considerably.

2.8 Socio-Economic Profile: Economically, the area is perhaps the most backward in the district. The main reason is due to the absence of road communication, primitive way of agricultural practices like jhumming and the difficult terrain of the area.

Demographic Status: The total households in the watershed project is 506 with a total population of 2908, of which 1361 are male and 1547 are female. The detail of the household in each of the villages in the watershed project is as follows:

1.	Krang Nonglum	-	69 Nos
2.	Krang Nongrum	-	123 Nos
3.	Krang Nongrum Centre	-	41 Nos
4.	Krang Mawkhar Marbaniang	-	46 Nos
5.	Phudmrdong	-	133 Nos
6.	Mawkohtep	-	46 Nos
7.	<u>Jani Mawiong</u>	-	48 nos
		-	506 Nos

Infrastructure facilities :

- 2.1.1 *Roads:* All the villages within the Project Area are connected by road.
- 2.1.2 *School:* there are only 10 L.P Schools and secondary school within the Project Area run by the Mission and by the Government.
- 2.1.3 *Electricity :* Connections have been provided to all the villages.
- 2.1.4 *Health :* One Primary Health Centre at Krang
- 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 as the supply is not sufficient to meet the daily requirement.
- 2.1.6 *Market :* There is a weekly market held once in a week at Krang. However, the main market where the people sell their produce is at Mawngap and also at Shillong.

Table 2.5: Infrastructure Status.

1	2	3		4			
Name of District	Name of Project	Parameters:		Status			
East Khasi Hills	Wah Umlyngdoh IWMP-IX AND Umjani watershed IWMP-IX	(i)	No. of villages connected to the main road by an all-weather road.	All connected by an all-weather road (Both)			
		(ii)	No. of village provided with electricity	Electricity connected (Both)			
		(iii)	No. of households without access to drinking water				
		(iv)	No. of educational institutions: Primary (P)/ Secondary (S)/ Higher Secondary (HS)/ Vocational institution (VI)	(P) 10 Nos.	(S) 3 No	(HS)	(VI)
		(v)	No. of village with access to Primary Health Centre	4 Nos			
		(vi)	No. of village with access Veterinary Dispensary	Nil			
		(vii)	No. of village with access Post Office	4 Nos.			
		(viii)	No. of village with access Banks	Nil			
		(ix)	No. of village with access Markets/ mandis	4 Nos			
		(x)	No. of village with access Agro-Industries	Nil			
		(xi)	Total quantity of surplus milk	Nil			
		(xii)	No. of milk collection centres (e.g. Union (U)/ Society (S)/ Private agency (PA)/ Others (O)	(U)	(S)	(PA)	(O)
		(xiii)	No. of villages with access to Aganwadi Centres	6 Nos. Aganwadi centre.			
		(xiv)	Any other facilities with no. of villages (please specify)	Nil			

2.9 Livestock: there are only 3 kinds of livestock farming being farmed in the area viz. Piggery, Poultry and Bee-Keeping or Apiculture.

Table 2.6: Existing livestock population

Type of Animal	Population
Piggery	330
Poultry	548
Dairy	58
	936

2.10 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:

Name of District	Name of the Projects	Types of Farmer	No. of households	No. of BPL households	Land holding (ha)		
					Irrigated	Rainfed	Total
East Khasi Hills	Wah Umlyngdoh watershed IWMP-IX AND Umjani watershed IWMP-IX	(i) Large	Nil		Nil		
		(ii) Small	73	-	120 Ha	550 Ha	670 Ha
		(iii) Marginal	384	210		576 Ha	576 Ha
		(iv) Landless	49	49			
		Grand Total	506	259			1246

Table 2.5: Common Property Resources in the Project Area

1	2	3	4				5			
Name of District	Name of the Projects	CPR Particulars	Total Area (ha) Area owned/ In possession of				Area available for treatment (ha)			
			Pvt. Person	Govt. (specify deptt.)	PRI	Any other (Pl. specify)	Pvt. Person	Govt. (specify deptt.)	PRI	Any other (Pl. specify)
East Khasi Hills	Wah Umlyngdoh watershed IWMP-IX AND Umjani watershed IWMP-IX	(i) Wasteland/ degraded land	690 Ha			140 Ha				445 Ha
		(ii) Pastures				70 Ha				
		(iii) Private Agriculture land	446 Ha				455 Ha			100 Ha
		(iv) Village woodlot								
		(v) Forest	110 Ha							
		(vi) Village Ponds/ Tanks								
		(vii) Community Buildings		8 nos		4				
		(viii) Weekly Markets				Iew Krang				
		(ix) Permanent Markets				Iewduh				
		(x) Temples/ Places of worship				6 nos.				
		(xi) Others (Pl. specify)								
			1246 Ha			210 Ha	455 Ha			545

2.11 Land use and land cover : As per the land use land cover map generated SLNA (State Level Nodal Agency) the Watershed area has been broadly classified into the following land uses.

a) Built-up Area	=	159 Ha
b) Agricultural land-crop land-kharif crop	=	486 Ha
c) Tree clad Area-close	=	337 Hat
d) Tree clad Area-open	=	433 Ha
e) Wastelands-barren Rocky/Stony waste	=	<u>41 Ha</u>
Total	=	1456 Ha

2.12 Problems of the Area : Soil – Water plant resources are Nature’s gift to mankind, over grazing, deforestation, faulty cultivation, Bun cultivation in the watershed areas have led to devastating effect downstream. During the rainy period the watershed get excess amount of rainfall and causes erosion. Erosion lead to destruction of farmlands, reduce crop production, drop in flow of water in dry season, flooding, siltation of reservoirs and canals etc.

The problem of agriculture land in the watershed area is that people practicing permanent cultivation are very less due to the shortages of irrigated water. The people still practice the traditional farming system. In most of the area of the watershed the people practices agriculture on slope varying from 5 to 33% without any conservation measures. With the increase in the population there is also an increase in the demand for food and shelter. This increasing demand for essential goods has made people encroach to the forest area. These forests areas are being converted into habitation and agricultural land creating danger not only soil erosion but also ecological imbalance in the watershed. But in general, maintenance of the agricultural land is very poor and terraces need proper maintenance and protection.

The problem of the forest land is due to the increase of human and cattle population. The forest area has been destroyed gradually and drastically as a result most of the area were cover by shrub forest and scattered tree species. This result in the shortages of timber and fuel wood. On the other hand the disappearance of the forest leads to erosion.

The people in the watershed as per Participatory Rural Appraisal (PRA) clearly show that they are interested in the horticulture cultivation. Every household have their own Orchard but people cultivate horticultural crops with the traditional type of cultivation without any conservation measures. These have led to the decreasing of producing year after year and abandon the plantation.

CHAPTER III

PROJECT PLANNING & INSTITUTION BUILDING

CHAPTER III

PROJECT PLANNING & INSTITUTION BUILDING

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 State Level Nodal Agency (SLNA). 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	3
	Whether technical back-stopping for the project has been arranged? If yes, mention the name of the Institute.	Yes, NESAC, SLNA
	Baseline survey	Yes
	Hydro-geological survey	No
	Contour mapping	No
	Participatory Net Planning (PNP)	yes

1	2	2
	Remote sensing data-especially soil/ crop/ run-off cover	Yes
	Ridge to Valley treatment	Yes
	Online IT connectivity between	
	(1) Project and DRDA cell/ZP	Yes
	(2) DRDA and SLNA	Yes
	(3) SLNA and DoLR	Yes
	Availability of GIS layers	
	1. Cadastral map	No
	2. Village boundaries	No
	3. Drainage	Yes
	4. Soil (Soil nutrient status)	Yes
	5. Land use	Yes
	6. Ground water status	No
	7. Watershed boundaries	Yes
	8. Activity	Yes
	Crop simulation models [#]	No
	Integrated coupled analyzer/ near infrared visible spectroscopy/ medium spectroscopy for high speed soil nutrient analysis	No
	Normalized difference vegetation index (NDVI) [#]	Yes
	Weather Stations	No
B.	Inputs	
	1. Bio-pesticides	No
	2. Organic manures	Yes
	3. Vermi-compost	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	Yes
	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	Wah Umlyngdoh watershed IWMP-IX AND Umjani watershed IWMP-IX	(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	shg(T) Divn@yahoo.com

3.3 Institution Building

i) Watershed Committee (WC)

The Watershed Committee of the Wah Umlyngdoh and Umjani, IWMP IX. was constituted with the active involvement of the villagers with strong support of the Traditional Institutions (Village Durbar/Council). The Lower Wah Sohra Watershed Committee has been registered under the Society Registration Act 1860.

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	S C	ST	SF	MF	LF	Land-less	UG	SH G	GP	Any other	Educational qualification	Functions assigned#
East Khasi Hills	East Khasi Hills District I WMP – IX	WahUmlyngdoh and	No.E16/5/ of 2010/208 4 th /April/ 2011	President	M											Cl-XII	A-I
				Secretary	M											B.A	Do
		Umjani Watershed committee	No.E/16/5/ 0f 2010/207 4 th /April/ 2011	Member	20 M											Cl-VII To B.A	Do
				Member	7 F											Do	Do
				Member													

- A. PNP and PRA
- C. Maintenance of Accounts
- E. Supervision of construction activities
- G. Verification & Measurement
- I. Social Audit

- B. Planning
- D. Signing of cheques and making payments
- F. Cost Estimation
- H. Record of labour employed
- J. Any other (please specify).

ii) Self Help Group

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

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

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	East Khasi Hills District IWMP – IX	1no	4 nos	4 nos	9 nos	(i) Landless	12	15	27	12	15	27	NA	NA	NA
						(ii) SF	10	16	26	10	16	26			
						(iii) MF	25	26	51	25	26	51			
						(iv) LF									

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
						(i) Landless									
						(ii) SF									
						(iii) MF									
						(iv) LF									
Total		Nil	Nil	Nil	Nil				Nil			Nil			Nil

CHAPTER IV

PROJECT ACTIVITIES

CHAPTER IV PROJECT ACTIVITIES

4.1 Preparatory Phase:

i) Entry Point Activities (EPA)

(Financial – Rs. in lakh)

1	2	3	4	5	6	7	8	9	10	11
Sl. No.	State	District	Names of Project	Amount earmarked for EPA	Entry Point Activities planned	Estimated cost	Expenditure incurred	Balance	Expected outcome	Actual outcome
1	Meghalaya	East Khasi Hills	East Khasi Hills – IWMP-IX	6.0 Lakhs	Construction of Drinking Well Cum Washing Platform, construction of Check Dam cum washing place (8 Nos)	6.0	6.0	-	Good drinking water and washing place	Good drinking water and washing place

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	Wah Um Lyngdoh Watershed IWMP-IX AND Umjani watershed IWMP-IX	2 Nos Watershed Committees,	8 Nos	6 Nos	Participatory Rural Appraisal	NA	Done	Done	Done	Done	-	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	No	Area to be treated (ha)	Storage capacity	Estimated cost (In lakhs)	No	Area to be treated (ha)	Storage capacity	Estimated cost (In lakhs)
1	Meghalaya	East Khasi Hills	East Khasi Hills IWMP-IX	(i) Tank	-	-	-					-	-	-	-	-	-	-	-
				(ii) Pond								29 nos	83 Ha	1500 m ³	4.64	29 nos	83 ha	43500 m ³	4.64
				(iii) Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				(iv) Check Dam	-	-	-					19 nos	78 ha	1200 m ³	14.19	19 nos	78 ha	22800 m ³	14.19
				(v) Water Harvesting								4 nos	110 ha	3500 m ³	1.312	4 nos	110 Ha	14000 m ³	1.312
			Total									52 nos	271 ha	6200 m³	20.142	52 nos	271 ha	6200 m³	20.142

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	No	Area irrigated (ha)	Storage capacity	Expenditure incurred	Area irrigated (ha)	Storage capacity	Estimated incurred		
-	-	-	-	29 nos	35 ha	1500 m ³	4.64	35 ha	43500 m ³	4.64	43500 m ³	35 ha
				19 nos	38 ha	1200m ³	14.19	38 ha	22800 m ³	14.19	22800 m ³	38 ha
-	-	-	-	4 nos	10 ha	3500m ³	1.312	10 ha	14000m ³	1.312	14000m ³	10 ha
			Total	52 nos	83 ha	62000 m³	22.0304	156 ha	80300m³	20.142	80300m³	83 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					
				(i)Open wells		Nil		Nil		Nil		Nil		Nil		Nil		Nil		Nil								
				(ii)Bore wells																								
				(iii)Any others (Pl. specify)																								
				Total for the project																								

4.2.3 Activities executed by User Groups in the Project Areas.

1	2	3						
Names of Districts	Names of Projects	Major activities of the UGs –Targets				No. of UGs involved	Estimated Cost	Amount of WDF to be collected (Rs.)
		Structure/ activity proposed						
		Sl. No.	Type	No.#	Treatment (ha)			
East Khasi Hills	Wah Umlyngdoh IWMP – IX AND Umjani watershed IWMP-IX	1	Dug Out Pond	14 nos	40 Ha	14 nos	2.24	0.112
		2	Improvement of Degraded Forest	10 Nos	110 Ha	8 Nos	3.96	0.198
		3	Check Dam	19 nos	78 Ha	19 nos	5.681	0.284

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	
1.	Dug out pond	14 nos	40.	14 Nos	2.24		1600		0.112
2.	Improvement of Degraded Forest,	10 nos	110	8 nos	3.96	-	1200	-	0.198
3	Check Dam	19 nos	78	19 nos	5.681	-	3500	-	0.284

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	Wah Umlyangdoh Watershed IWMP – IX AND Umjani watershed IWMP-IX	Piggery poultry farm	20 units	1.80
		Piscuculture	10 units	1.50
		Mud block making	10 units	1.40
		Weaving Handloom	10 units	1.80
		Handicraft/Basket Making	18 units	1.50

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		

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		Non Farm Activities		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)	
East Khasi Hills	IWMP – IX	340 Ha	25.09	494 Ha	27.676			166 Ha	22.234	306 units	7.65			70 units	10.00	10 units	3.00			85 units	13.85	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) Pri-vate	(ii) Commu-nity	(iii) Others (pl. specify)	(i) UG (ii)SHG (iii) Others (pl. specify)	No. of units No./ cu.m. rmt)	Estimated cost (Rs. in lakh)				Expected month & year of completion (mm/yyyy)	No. of units (No. cu.m./ rmt)	Expendi-ture 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	IWM P – IX																					
		Louse Boulder Contour bunding				Private	-		Individu al Farmer	80Ha				6.00	2 years							31/3/ 2013
		Bench terracing				-Do-			Do	20 Ha				4.00	2 years							31/3/ 2013
		Peripheral bunds				-Do-			Do	66 Ha				12.234	3 years							31/3/ 2014
		Water Harvesting structure				-Do-			-Do-	110 Ha				1.312	1 years							31/3/ 2013
		Dug out pond				-Do-			-Do-	83 Ha				4.64	2 years							31/3/ 2014
		Check Dam /Water Distribution Works				-Do-			-Do-	78 Ha				5.681	1 year							31/3/ 2013
		Protection Wall				-Do-			-Do-	198 Ha				14.1546	2 years							31/3/ 2014
		Run off disposal Channel				-Do-			-Do-	25 Ha				1.8884	2 years							31/3/ 2014
			Total								668 Ha				49.91							

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	668 Ha	Na	-	Na	-	Na	-	-	-	-	-	-	-	-	-	-	-

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)
East Khasi Hills	Wah Umlyngdoh IWMP – IX AND Umjani watershed IWMP-IX	Afforestation/ Agro-forestry	R	-	-	-			Local Durbar	110 ha	33000 Nos	11.11	3 Years	110 ha	33000 Nos	11.11	31/3/2014
		Regeneration															
		Agro-Horticulture	R						SHG & Others	120 ha	19200 nos	10.02	3 Years	120 ha	19200 nos	10.02	31/3/2014
		Others Improvement of degraded Forest							Community & Others	110 Ha	11000 Nos	3.96	3 Years	110 Ha	11000 Nos	3.96	31/3/2014
		Total								340 ha	63200 Nos	25.09		340 ha	63200 Nos	25.09	

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	S T	Others	Women	Total	SC	ST	Others	Women	Total

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 (pl. specify)	(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	Wah Umlyngdoh IWMP – IX AND Umjani watershed IWMP-IX	Tailoring			10 units	SHG & Individual	0.80	2 Years		
		Carpentry			10 units	- Do -	0.50	2 Years		
		Agriculture implements			27 units	-do-	1.35	2 years		
		Hollow Block			7 units	-do-	0.70	2 Years		
		Kitchen Gardening			306 units.	individual	7.65	3 years		
		Poultry/Piggery			50 units.	SHG & Individual	4.00	2 Years		
		Piggery/Poultry Farm			20 units	-do-	6.00	2 years		
		Pisciculture			15 units	-do-	3.00	1 year		
		Mud Block Making			8 units	-do-	3.00	2 years		
		Weaving /Handloom			16 units	-do-	3.00	2 years		
		Handicraft/basket making			18 units	-do-	4.50	3 years		
		ToTal			475 units		34.50			

(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	S T	Others	Women	Total	SC	ST	Others	Women	Total

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	Wah umlyngdoh IWMP – IX AND Umjani watershed IWMP-IX	Krang nonglum, Krang Nongrum, Nongrum centre and Mawkhar Marbaniang, Phud Myrdong, maKohtep and jani Mawiong	Drinking Water	Drinking Water cum Washing Platform (3 nos.)	-	1.80	Community	0.09							
				Improvement of Degraded Forest -	110 Ha	1.60	Community	0.08							
				Afforestation	110 Ha	1.60	Community	0.08							
		Total			220 ha	5.00		0.25							

CHAPTER V

PROJECT PHASING & BUDGETING

CHAPTER V

PROJECT PHASING & BUDGETING

ACTION PLAN OF WAH UMLYNGDOH AND UMJANI WATERSHED UNDER IWMP – IX 2010 - 11

TERRITORIAL DIVISION : SHILLONG.

Name of District: East Khasi Hills
Name of C&RD Block: Mawphlang

Name of Villages :- Krang Nonglum, Krang Nongrum, Krang Nongrum Centre
krang Mawkhar Marbaniang, Mawkohtep, Jani Mawiong and Phudmyrdong
(Total – 7 nos.)

Project cost 150.00 Lakhs
Project Area – 1000 Ha.

Sl. No	Activities	allotment		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	Phy	Fin
1	2			3	4	5	6	7	8	9	10	11	12	13	14
I	MANAGEMENT COST:														
A.	Administrative cost:	10%	15.0	-	-	2 %	3.00	5%	7.50	3 %	4.50	-	-	10 %	15.0
i.	Honourarium of WDT Members @ Rs. 5000/ month –2 nos.	3 yrs	3.60	-	-	12 months	1.20	12 months	1.20	12 months	1.20	-	-	3 yrs	3.60
ii.	Hon ^m of Watershed Volunteers @ Rs. 2500/- month – 2 nos.	3 yrs	1.80	-	-	12 months	0.60	12 months	0.60	12 months	0.60	-	-	3 yrs	1.80
iii.	Hon ^m WCM @ Rs. 100/members/ month for 30 nos.	3 yrs	1.08	-	-	12 months	0.36	12 months	0.36	12 months	0.36	-	-	3 yrs	1.08
iv	Hon ^m Chartered Accountant	3 yrs	0.45	-	-	-	0.15	-	0.15	-	0.15	-	-	3 yrs	0.45
V	TA/DA of Field Asstt. @ 5000/ month	2.6 yrs	1.50	-	-	6 months	0.30	12 months	0.60	12 months	0.60	-	-	2.6 yrs	1.50
Vi	Hiring charges of office building @ 1000	3 yrs	0.36	-	-	12 months	0.12	12 months	0.12	12 months	0.12	-	-	3 yrs	0.36
vii.	Hiring charges of vehicle @ 5000/ month	2.3 yrs	1.35	-	-	3 months	0.15	12 months	0.60	12 months	0.60	-	-	2.3 yrs	1.35
viii.	Office expenses, POL, Stationeries, printing of SHG's books, pamphlets, tea, snacks etc, cost of camera.		4.86	-	-	-	0.12	-	3.87	-	0.87	-	-	-	4.86
	Total of A:	10%	15.0	-	-	2 %	3.00	5 %	7.50	3 %	4.50	-	-	10 %	15.0
	PREPARATORY PHASE :														
B.	Entry Point Activities:	4 %	6.00	4%	6.00	-	-	-	-	-	-	-	-	4 %	6.00
i.	Construction of drinking well cum Washing platform	3 unit	3.0		3.0	-	-	-	-	-	-	-	-	3 unit	3.0
ii.	Construction of Check Dam cum washing place	5 unit	3.0		3.0	-	-	-	-	-	-	-	-	5 unit	3.0
	Total of B:	4 %	6.00	4%	6.00	-	-	-	-	-	-	-	-	4 %	6.00
C.	Training:	5%	7.50	1 %	1.50	2%	3.00	1 %	1.50	1%	1.5	-	-	5 %	7.50
i.	Awareness Campaign & Capacity building	4 nos	0.80	2 nos	0.50	-	-	-	-	2 nos.	0.30	-	-	4 nos	0.80
ii.	Exposure visits – off. Campus	4 no	0.60	2 nos	0.30	-	-	-	-	2 no.	0.30	-	-	4 no	0.60
iii.	Capacity building of SHG's/ UG's.	8 nos.	2.55	2nos	0.25	2 nos.	1.00	2 nos.	1.0	2 nos.	0.30	-	-	8 nos.	2.55
iv.	Capacity building of WC Members.	8nos.	2.05	2nos	0.25	2 nos.	1.25	2 nos.	0.25	2 no.	0.30	-	-	8 nos.	2.05

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
v.	Capacity of WDT/WV	8 nos.	1.50	2nos	0.20	2 nos.	0.75	2 no.	0.25	2 no.	0.30	-	-	8 nos.	1.50
	Total of C:	5%	7.50	1 %	1.50	2%	3.00	1.0 %	1.50	1%	1.5	-	-	5 %	7.50
D.	Detailed Project Report:	1%	1.50	1 %	1.50	-	-	-	-	-	-	-	-	1 %	1.50
i.	Cost of Resources Inventories works		0.25	-	0.25	-	-	-	-	-	-	-	-	-	0.25
ii.	Cost of PRA Exercises		0.50	-	0.50	-	-	-	-	-	-	-	-	-	0.50
iii.	Cost of Land use Survey works		0.25	-	0.25	-	-	-	-	-	-	-	-	-	0.25
iv.	Cost of formulating		0.50	-	0.50	-	-	-	-	-	-	-	-	-	0.50
	Total of D:	1%	1.50	1 %	1.50	-	-	-	-	-	-	-	-	1 %	1.50
E.	Monitoring & Evaluation:	2%	3.00	-	-	0.5%	0.75	1.00%	1.50	0.50%	0.75	-	-	2 %	3.00
i.	Cost of Honorarium to evaluator.		1.50	-	-	0.3%	0.45	0.50%	0.75	0.20%	0.30	-	-	1%	1.50
ii.	Cost of printing report etc.		1.50	-	-	0.2%	0.30	0.50%	0.75	0.30%	0.45	-	-	1%	1.50
	Total of E:	2%	3.00	-	-	0.5%	0.75	1.00%	1.50	0.50%	0.75	-	-	2 %	3.00
	Total of I (A to E)	22%	33.00	6%	9.00	4.5 %	6.75	7.00 %	10.50	4.50 %	6.75	-	-	22 %	33.00
II	PROJECCT COST/WATERSHED WORKS PHASE:														
A.	Arable Land Treatment:														
i.	Contour Bunding – 80 ha @7500/-ha (Benefited Area – 80 Ha)	80 Ha	6.00	-	-	20 ha	1.50	60 Ha	4.50	-	-	-	-	80 Ha	6.00
ii	Bench Terracing – 20 ha @20,000/-ha (Benefited Area – 20 Ha)	20 Ha	4.00	-	-	10 Ha	2.00	10 Ha	2.00	-	-	-	-	20 Ha	4.00
iii	Agro Horticulture 120 ha @8350/ha (benefited Area 120 Ha)	120 Ha	10.02	-	-	120 Ha	1.32	120 Ha	5.856	120 Ha	2.844	-	-	120 Ha	10.02
	Pre yr-@1,100/-														
	1 st yr -@4,880/-														
	2 nd yr-@2,370/-														
iv	Peripheral Bunding –24468 Rm @50/-Rm (benefited area -66)	24468 Rm	12.234	-	-	7580 Rm	3.79	16096 Rm	8.048	792 Rm	0.396	-	-	24468 Rm	12.234
	Total of A		32.254	-	-		8.61		20.404		3.24				32.254
B.	Non- Arable Land Treatment:														
i.	Afforestation /Agro Forestry 110 ha @10,100/-ha (benefited Area 110 Ha)	110 Ha	11.11	-	-	110 Ha	1.87	110 Ha	6.05	110 Ha	3.19	-	-	110 Ha	11.11
	Pre yr -@1,700/-														
	1 st yr -@5,500/-														
	2 nd yr-@2,900/-														
ii	Improvement of existing degraded forest-110 ha @3,600/-ha (Benefited Area – 110 Ha)	110 Ha	3.96	-	-	110 Ha	0.77	110 Ha	2.09	110 Ha	1.10	-	-	110 Ha	3.96
	Total of B:		15.07	-	-		2.64		8.14		4.29				15.07
C	Drainage Line Treatment:														
i.	Water Harvesting Structures 4 nos @32,800/-no (Benefited Area – 110 Ha)	4 nos	1.312	-	-	-	-	4 nos	1.312	-	-	-	-	4 nos	1.312
ii.	Dug Out Pond -29 nos -@16,000/-no(Benefited Area – 83 Ha)	29 nos	4.64	-	-	-	-	19 nos	3.04	10 nos	1.60	-	-	29 nos	4.64
iii.	Check Dam. Water Distribution work 19 nos @ 29,900/-no (Benefited Area – 78 Ha)	19 nos	5.681	-	-	-	-	19 nos	5.681	-	-	-	-	19 nos	5.681
**	Check Dam (Convergence MGNREGS with IWMP at Krang Nongrum	1no	4.0184 MGNRE GS			1no	4.0184 MGNR EGS								

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
**	Check Dam (Convergence MGNREGS with IWMP at Krang Mawkhar Marbaniang	1no	0.604 MGNRE GS			1no	0.604 MGNR EGS								
**	Check Dam (Convergence MGNREGS with IWMP at Krang Nonglum	1no	3.250 MGNRE GS			1no	3.250 MGNR EGS								
iv	Protection – Retaining Wall 62 nos @22,830/-no (Benefited Area – 198 Ha)	62 nos	14.1546	-	-	-	-	54 nos	12.328	8 nos	1.8264	-	-	62 nos	14.1544
v	Run off Disposal Channel 7263 Rm @ 26/-Rm (Benefited Area – 25 Ha)	7263 Rm	1.8884	-	-	-	-	6133.76 Rm	1.5947 8	1129.24 Rm	0.2936	-	-	7263 Rm	1.8884
	Total of C :		27.676	-	-	-	-		23.956		3.72				27.676
	Total of A + B + C	50% (1000)	75.00			7.5 %	11.25	35 %	52.50	7.5%	11.25			50 % (1000)	75.00
D	Livelihood Activities for landless persons:	10%	15.00												
i.	Tailoring 10 units @ Rs 8,000/- unit	10 units	0.80					5 units	0.40	5 units	0.40	-	-	8units	0.80
ii.	Carpentry 10 units @ Rs 5000/- unit	10 units	0.50					6 units	0.30	4 units	0.20	-	-	10 units	0.50
iii.	Agriculture Implements 27 Units @ Rs 5000/- unit	27 units	1.35					10 units	0.50	17 units	0.85	-	-	27 units	1.35
iv.	Hallow Block Making 7 units @ Rs 10,000/- unit	7 units	0.70					5 units	0.50	2 units	0.20	-	-	7 units	0.70
v.	Kitchen Gardening 306 units @ Rs. 2500/- unit	306 units	7.65			60 units	1.50	64 units	1.60	182 units	4.55			306 units	7.65
Vi	Poultry/ piggery 50 units @ Rs 8,000/- unit	50 units	4.00					15 units	1.20	35 units	2.80	-	-	50 units	4.00
	Total of D:	10%	15.00			1%	1.50	3%	4.50	6%	9.00	-	-	10%	15.00
E.	Production System and Micro Enterprises (SHG's):	13%	19.50												
i.	Piggery poultry farm 20 units @ Rs 30,000/- unit	20 units	6.00			-	-	10 units	3.00	10 units	3.00	-	-	20 units	6.00
ii	Pisciculture – 10 units @ Rs @ 30,000/- unit	10 units	3.00			-	-	-	-	10 units	3.00	-	-	10 units	3.00
iii	Mud Block making 10 units @30,000/- unit	10 units	3.00			-	-	5 units	1.50	5 units	1.50	-	-	10 units	3.00
Iv	Handicraft / Basket Making 18 units @25,000/-unit	18 units	4.50			6 units	1.50	6 units	1.50	6 units	1.50			18 units	4.50
v	Weaving Handloom 10 units @30,000/- unit	10 units	3.00			-	-	5 units	1.50	5 units	1.50	-	-	10 units	3.00
	TOTAL OF E:	13 %	19.50			1%	1.50	5%	7.50	7%	10.50			13%	19.50
F.	Consolidation & Exit Phase:	5%	7.50					-	-	-	-	5 %	7.5	5%	7.50
i.	Repairs, Maintenance of CPR's.		3.00					-	-	-	-	-	3.00		3.00
ii.	Improving the sustainability of various Interventions		2.00					-	-	-	-	-	2.00		2.00
iii.	Documentation of successful experiences & Preparation of Completion Report	-	2.50					-	-	-	-	-	2.50	-	2.50
	Total of F:	5%	7.5									5%	7.50		7.50
	Total of II (A+B+C+D+E+F)	78.00%	117.00			9.50%	14.25	43.00%	64.50	20.50%	30.75	5%	7.50	78.00%	117.00
	Grand Total (I + II)	100%	150.00	6%	9.00	14.00%	21.00	50.00%	75.00	25.00%	37.50	5%	7.5	100%	150.00

VILLAGE WISE ACTION PLAN OF WAH UMLYNGDOH AND UMJANI WATERSHED UNDER IWMP-IX
TERRITORIAL DIVISION: SHILLONG

NAME OF DISTRICT: EAST KHASI HILLS.

NO. OF VILLAGES – 7 NOS.

NAME OF C & RD BLOCK: MAWPHLANG.

PROJECT AREA: 1000 HA

Sl. No	Activities	Allotment		Krang Nonglum		Krang Nongrum		Krang Nongrum centre		Krang Mawkhar Marbaniang		Phudmyrdong		Mawkohtep		Jani Mawiong		Total	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
		Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
I.	Watershed Works Phase :																		
A.	Arable Land Treatment:			HA		HA		HA		HA		HA		HA		HA		HA	
i	Contour Bunding -80 ha @Rs.7500/ha	80 ha	6.00	10	0.75	10	0.75	10	0.75	10	0.75	14	1.05	12	0.90	14	1.05	80	6.00
ii	Bench Terracing – 20 ha @Rs.20,000/ha	20 ha	4.00	3	0.60	2	0.40	2	0.40	3	0.60	4	0.80	2	0.40	4	0.80	20	4.00
iii	Agro-Horticulture – 120 ha @Rs.8350/ha	120 ha	10.02	16	1.336	15	1.2525	11	0.9185	18	1.503	25	2.0875	12	1.002	23	1.9205	120	10.02
Iv	Peripheral Bunding –(66 ha) 24468 Rm @Rs.50/-Rm	(66 ha) 24468 Rm	12.234	3044 Rm	1.522	3065 Rm	1.5325	3071 Rm	1.5355	3054 Rm	1.527	4103 Rm	2.0515	4038 Rm	2.019	4093 Rm	2.0465	(66ha) 24468 Rm	12.234
	Total of A		32.254		4.208		3.935		3.604		4.38		5.989		4.321		5.817		32.254
B.	Non Arable Land Treatment:																		
i	Afforestation/Agro-forestry – 110 ha @Rs.10,100/-ha	110 ha	11.11	15	1.515	13	1.313	12	1.212	15	1.515	25	2.525	14	1.414	16	1.616	110	11.11
ii	Improvement of Existing Degraded Forest – 110 ha @Rs.3600/-ha	110 ha	3.96	14	0.504	13	0.468	15	0.54	13	0.468	19	0.684	16	0.576	20	0.72	110	3.96
	Total of B		15.07		2.019		1.781		1.752		1.983		3.209		1.99		2.336		15.07
C.	Drainage Line Treatment :																		
i	Water Harvesting Structure -4 nos. (110 ha) @Rs.32,800/-no	4 nos (110ha)	1.312			1 no	0.328			1 no	0.328	1 no	0.328			1 no	0.328	4 nos	1.312
ii	Dug Out Pond-29 nos (83 ha) @Rs.16,000/- no	29 nos (83 ha)	4.64	3 nos	0.48	4 nos	0.64	4 nos	0.64	4 nos	0.64	5 nos	0.80	3 nos	0.48	6 nos	0.96	29 nos	4.64
iii	Check Dam/Water distribution works -19 nos (78 ha) @Rs.29,900/-no	19 nos. (78 ha)	5.681	2 nos	0.598	3 nos	0.897	3 nos	0.897	2 nos	0.598	3 nos	0.897	3 nos	0.897	3 nos	0.897	19 nos	5.681
**	Check Dam (convergence MGNREGS with IWMP at Krang Nongrum	1 no	4.0184			1 no	4.0184												

**	Check Dam (convergence MGNREGS with IWMP at Krang Mawkhar Marbaniang	1 no	0.604							1 no	0.604								
**	Check Dam (convergence MGNREGS with IWMP at Krang Nonglum	1 no	3.250	1 no	3.250														
Iv	Protection-Retaining Wall – 62 nos (198 ha) @Rs.22,830/-no	62 nos	14.1546	7 nos	1.5981	8 nos.	1.8264	9 nos	2.0547	7 nos	1.5981	12 nos	2.7396	7 nos	1.5981	12 nos	2.7396	62 nos	14.1546
V	Run Off Disposal Channel -7263 Rm (25 ha) @Rs.26/-Rm	7263 Rm (25 ha)	1.8884	920 Rm	0.2392	750 Rm	0.195	1079 Rm	0.28054			1809 Rm	0.47034	1200 Rm	0.312	1505 Rm	0.3913	7263 Rm (25 ha)	1.8884
	Total of C		27.676		2.9153		3.8864		3.87224		3.1641		5.23494		3.2871		5.3159		27.676
	Total of (A+B+C)	50%	75.00															50%	75.00
D	Livelihood Activities for landless persons:																		
i.	Tailoring 10 units @ Rs 8,000/- unit	10 units	0.80	2 units	0.16	1 unit	0.08	1 unit	0.08	1 unit	0.08	2 units	0.16	1 unit	0.08	2 units	0.16	10 units	0.80
ii.	Carpentry 10 units @ Rs 5000/- unit	10 units	0.50	1 unit	0.05	2 units	0.10	1 unit	0.05	1 unit	0.05	2 units	0.10	1 unit	0.05	2 units	0.10	10 units	0.50
iii.	Agriculture Implements 27 Units @ Rs 5000/- unit	27 units	1.35	3 units	0.15	3 units	0.15	4 units	0.20	3 units	0.15	5 units	0.25	4 units	0.20	5 units	0.25	27 units	1.35
iv.	Hallow Block Making 7 units @ Rs 10,000/- unit	7 units	0.70	1 unit	0.10	1 unit	0.10	1 unit	0.10			2 units	0.20	1 unit	0.10	1 unit	0.10	7 units	0.70
v.	Kitchen Gardening 306 units @ Rs. 2500/- unit	306 units	7.65	39 units	0.975	39 units	0.975	39 units	0.975	39 units	0.975	50 units	1.25	50 units	1.25	50 units	1.25	306 units	7.65
Vi	Poultry/ piggery 50 units @ Rs 8,000/- unit	50 units	4.00	6 units	0.48	6 units	0.48	6 units	0.48	7 units	0.56	8 units	0.64	8 units	0.64	9 units	0.72	50 units	4.00
	Total of D:	10%	15.00	52 units	1.915	52 units	1.885	52 units	1.885	51 units	1.815	69 units	2.60	65	2.32	69	2.58	10%	15.00
E.	Production System and Micro Enterprises (SHG's):																		
i.	Piggery poultry farm 20 units @ Rs 30,000/- unit	20 units	6.00	2 units	0.60	3 units	0.90	2 units	0.60	3 units	0.90	4 units	1.20	3 units	0.90	3 units	0.90	20 units	6.00
ii	Pisciculture – 10 units @ Rs @ 30,000/- unit	10 units	3.00	2 units	0.60	1 unit	0.30	1 unit	0.30	1 unit	0.30	2 units	0.60	1 unit	0.30	2 units	0.60	10 units	3.00
Iii	Mud Block making 10 units @30,000/- unit	10 units	3.00	1 unit	0.30	2 units	0.60	1 unit	0.30	1 unit	0.30	2 units	0.60	1 unit	0.30	2 units	0.60	10 units	3.00
Iv	Handicraft / Basket Making 18 units @25,000/-unit	18 units	4.50	3 units	0.75	2 units	0.50	2 units	0.50	2 units	0.50	4 units	1.00	2 units	0.50	3 units	0.75	18 units	4.50
v	Weaving Handloom 10 units @30,000/- unit	10 units	3.00	1 unit	0.30	1 unit	0.30	2 units	0.60	1 unit	0.30	2 units	0.60	1 unit	0.30	2 units	0.60	10 units	3.00
	TOTAL OF E:	13%	19.50	9 units	2.55	9 units	2.60	8 units	2.30	8 units	2.30	14 units	4.00	8 units	2.30	12 unit	3.45	13%	19.50
	Grand Total (A+B+C+D+E)	73%	109.5		13.6073		14.0874		13.41324		13.6421		21.03294		14.218		19.4989	73%	109.5
																	Total MGNREGS		7.8724

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 Distri- cts	Names of Projects	Year of sanc- tion	Project duration (dd/mm/ yyyy)		Area of the projec- ts	Projec- t cost (Rs. In lakh)	Names of Micro watersheds & Code nos. (as per DoLR's unique codificatio- n)	Area (ha) of the projects				Area details (ha) (falling within the projects)				
					From	To												
										Cultivated rainfed area	Cultivat- ed irrigat- ed area	Uncultivated wasteland		Pvt. Agri- Land	Fore- st land	Com- m unity land	Others (pl. specif- y)	Total area (ha)
												a) Tem- porary fallow	b) Per- manent					
1.	Meghalaya	East Khasi Hills	Wah Umlyng doh	2010 - 2011	2010	2015	500Ha	75.00	3CIB5a2d	250 Ha	Nil	277 Ha	-	250 Ha	97 Ha	120 Ha	60 Ha	527 Ha
			Umjani IWMP	2010 - 2011	2010	2015	500 Ha	75.00	3B16Ha2f	236 Ha	Nil	687Ha	6 ha	236 Ha	240 Ha	328 Ha	125 Ha	929 Ha
	TOTAL						1000 ha	150		486 Ha	Nil	964 ha	6 ha	486 Ha	337 Ha	448 Ha	185 ha	1456 Ha

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	Name of private sector	Financial contribution	Name	Financial contribution	Name	Financial contribution	Name	Financial contribution	
East Khasi Hills	Wah Umlyngdoh watershed IWMP-IX	67.50 Lakhs	7.50 Lakhs	MGNREGS Mawphlang C&RD Block	7.8724	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	82.8724
	Umjani watershed IWMP-IX	67.50 Lakhs	7.50L akhs	NIL	NIL									75.0
		135.00	15.00											157.8724

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 (Saving s/ 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 (Saving s/ current others)	Name & Designation of authorized persons who operate the account.
1.	Meghalaya	East Khasi Hills	IWMP-IX	SBI, Polo Shillong	30984185205	Saving	Shri. A.S.Kharlukhi DS&WCO.	Wah Umlyngdoh Watershed Committee	MRB Sohiong	SBCNI-310	Saving	i.Project Leader ii. Chairman iii. Secretary
								Umjani Watershed Committee	MRB Sohiong	87000007930	Saving	i.Project Leader ii. Chairman iii. Secretary

Details of Convergence of IWMP with other Schemes:

1	2	3	4	5	6	7
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) [#]		
East Khasi Hills	Wah umlyngdoh IWMP – IX	MGNREGS Mawphlang C&RD Block	Rs. 7.8724	CHECK DAM		Block Level and District Level
	Umjani watershed IWMP-IX	NIL	NIL			

Note:

(i) Krang Nonglum:

(ii) Krang Nongrum

(iii) Krang Mawkhar Marbaniang

Rs.3.250/- (Wages & Labour)

Rs.4.0184/-(Wages & Labour)

Rs.0.604/-(Wages & Labour)

Construction of Check Dam.

Construction of Check Dam.

Construction of Check Dam.

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				

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

CHAPTER VI

CAPACITY BUILDING

CHAPTER VI CAPACITY BUILDING

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

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

1	2	3	4	5	6	7	8	9				
S. No	State	Name of the Training Institute	Full Address with contact no., website & e-mail	Name & Designation of the Head of Institute	Type of Institute [#]	Area(s) of specialization ^{\$}	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 utilised	
					a)DoLR	b)Any other (pl. specify)	a)DoLR	b)Any other (pl. specify)
SLNA	52		33		1.50		1.50	
DRDA/ZP cell	12		29					
PIAs	130		32					
WDTs	4		8					
UGs	200		80					
SHGs	350		130					
WCs	50		53					
GPs								
Community	1500		393					
Others (Pl. specify)								
Total	2298		758					

Table 6.3: Information, Education & Communication (IEC) activities for the year 2010-11 as on 31/03/11 (dd/mm/yyyy)*

1	2	3	4	5
Activity	Executing agency	Estimated expenditure (Rs.)	Expenditure incurred (Rs.)	Outcome (may quantify, wherever possible)
Awareness	Soil & Water Conservation (T) Division	0.50		
Capacity Building		1.00		
Total		1.50		

CHAPTER VII
EXPECTED OUTCOME

CHAPTER VII EXPECTED OUTCOME

Table 7.1 Employment related outcomes:

1										2				
Wage employment										Self employment				
No. of mandays					No. of beneficiaries					No. of beneficiaries				
SC	ST Men	Others	Women	Total	SC	ST Men	Others	Women	Total	SC	ST Men	Others	Women	Total
	35000		42000	77000		485		740	1225		73		35	108

Table 7.2 Migration Details:

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

* From column no. 2, total number of States; from column no. 3, total no. of Districts; from column no. 4, total no. of projects; from column no. 5, total no. of villages; from column no. 6, total no. of persons migrating; from column no. 7, average no. of days for annual migration; from column no. 9, average distance of migration from the village and 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)	
35950	35.95	160	1.045	185	10.26	11.305

* 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	East khasi hills District IWM- IX	Krang Nonglum	Community forest	Fw,	Whole Day		450		450	NIL
		Krang Nongrum	Community forest	Do	Do		280		280	NIL
		Krang Nongrum Centre		Do	Do		150		150	NIL
		Krang Mawkhar Marbaniang	Community forest	Do	Do		120		120	NIL
		Phudmyrdong,	Community forest	Do	Do		340		340	NIL
		Mawkohtep	Community forest	Do	Do		120		120	NIL
		Jani Mawiong	Community forest	Do	Do		95		95	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-IX	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 IX	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)
East Khasi Hills	East Khasi Hills District IWMP-IX	-	-	-	-

* From column no. 2, total number of States implementing the programme, from column no. 3, total no. of Districts; from column no. 4, total no. of projects, from column no. 6, practice-wise totals may be mentioned at the end of the table for the entire country.

\$ Sprinkler, Drip, PVC pipe, etc.

Vermi-compost, organic manuring, Mulching, Check basin, Alternate furrow, Ridges & furrow & other scientific practices.

Table 7.6: Vegetation/ crop related outcomes:

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

1	2	3	4						5						6					
Names of the Districts	Name of Projects	Name of crops	Pre-project						Mid-term						Post-project					
			Area (ha)		Average Yield (Qtl) per ha.		Total Production (Qtl)		Area (ha)		Average Yield per ha (qtl)		Total production (qtl)		Area (ha)		Average Yield per ha (qtl)		Total production (qtl)	
			Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.
East Khasi Hills	East Khasi Hills District IWMP-IX	Paddy		70		14		1050	140	70	16	15	640	1050	140	90	16	15	2240	1350
		Potato		103		64		6592	160	150	64	64	10240	9600	165	180	64	64	10560	11520

* 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.
1	Meghalaya	East Khasi Hills	Wah Umlyngdoh Watershed IWMP IX AND Umjani watershed IWMP-IX	Potato		60		55		3300		75		58		4350		120		60	7200	
				Cabbage		60		18		1080		80		18		1440		150		18	2700	10500
				Tomato		28		18		504		45		18		810		80		18	1440	3150
				Cauliflower		30		14		420		40		14		560		80		15	1200	1850
																						15500
			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					
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.
1	Meghalaya	East Khasi Hills	East Khasi Hills District IWMP IX AND	Tomato		40		18		720	30	75	18	18	1260	1350	60	110	18	18	1080	1980
			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 IX	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:
Increase/ Decrease in Forest/vegetative cover:

1	2	3	4			5		
District	Name of project	Duration of Project	Existing 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	East Khasi Hills District IWMP IX	5years	As per LULC Map	NA	337 Ha	220 HA	220 Ha	220 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 7.6.6 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	East Khasi Hills District IWMP IX	5years	NIL	NIL	NIL	120Ha	Yet to be cover	120Ha

* 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 IX	5 yrs			NA	110 Ha	110 Ha	110 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	Names 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	East Khasi Hills IWMP IX	Milch-animals										
		Animals for other purpose										
		Piggery	330	6600 Kg	11.88	40 units	1000 Kgs	20.00	70 Units High Breeding	9300 Kgs	13.95	
		Poultry	548	1096 Kg	2.192	30 Nos kuroiler	75Kgs	0.1875	325 nos	650 Kgs	1.16	
	Total for all projects		878	7696kg	6.44	70 Nos	1075 Kgs	20.1875	395	9950 kgs	15.11	
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	Project	Name of activity	Funds required for the activity (Rs.)	Sources of funding (Rs.)				Actual Expenditure incurred on activity (Rs.)	No. of beneficiaries trained					No. of beneficiaries taking up activity				
				Project Fund	Benefi-ciary	Others (pl. specify)	Total		SC	ST ME N	Others	Women	Total	SC	ST	Others	Women	Total
East Khasi Hills	East Khasi Hills IWMP IX	Tailoring	1.00	0.80	0.20		1.00	1.00		45		72	117		45		72	117
		Hollow Block	1.00	0.70	0.3		1.00	1.00		40		10	50		40		10	50
		Carpentry	0.725	0.50	0.225		0.725	0.725		15		Nil	15		15		Nil	15
		Poultry/ Piggery	4.80	4.00	0.80		4.80	4.80		55		50	105		55		50	105

(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	Nil			

Table 7.7.4 Details of other livelihoods created for farmers:

1	2	3	4	5				6	7				8			
District	Project	Name of activity	Funds required for the activity (Rs.)	Sources of funding (Rs.)				Actual Expenditure incurred on activity (Rs.)	No. of farmers trained				No. of farmers taking up activity			
				Project Fund	Beneficiary	Others (please specify)	Total		SF	MF	LF	Total	SF	MF	LF	Total
East Khasi Hills	East Khasi Hills IWMP- IX	Piggery/Poultry	8.00	6.00	2.00		8.00	8.00				75				75
		Agricultural Implement	2.10	1.35	0.75		2.10	2.10				50				50
		Kitchen Gardening	12.775	7.65	5.125		12.775	12.775				17				17

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

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

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

**Table 7.8 Marketing related outcomes:
Backward-Forward linkages ***

1	2	3	4	5	6
District	Project	Type of Marketing Facility	Pre-project (no.)	During the project (no.)	Post-project (no.)
East Khasi Hills	East Khasi Hills District IWMP- IX	Backward linkages			
		Seed certification			
		Seed supply system			
		Fertilizer supply system			
		Pesticide supply system			
		Credit institutions		8 Nos	17 Nos
		Water supply	2 Nos	5 Nos	8 Nos
		Extension services		15 Nos	20 Nos
		Nurseries			
		Tools/machinery suppliers		5 Nos	6 Nos
		Price Support system		4 Nos	3 No
		Labour	700 Nos	3450 Nos	4320 Nos
		Any other (please specify)			
		Forward linkages			
		Harvesting/threshing machinery	1 No	2 No	1 No
		Storage (including cold storage)		1 No	1No
		Road network	5 Nos	6 Nos	8 Nos
		Transport facilities	5 Nos	7 Nos	11 Nos
		Markets / Mandis	1 No	1 No	1 No
		Agro and other Industries	Nil	Nil	Nil
		Milk and other collection centres	Nil	Nil	1 no
		Labour	700 Nos	3450 Nos	4320 Nos
		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
S. No.	State	Item	Unit	Pre-project Status	Post-project Status	Remarks
	Meghalaya	Status of water table		Very Poor	Good&Improved	
		Ground water structures repaired/ rejuvenated		NA	Repaired & 8 Nos	
		Quality of drinking water		Moderate Potable	Improved	
		Availability of drinking water		Average	Improved	
		Increase in irrigation potential		Nil	247 Ha and Sufficient	
		Change in cropping/ land use pattern		Mono Cropping	Double Cropping /multiple cropping	
		Area under agricultural crop				
		i Area under single crop		143 Ha	120 Ha	
		ii Area under double crop		50 Ha	85 Ha	
		iii Area under multiple crop		55 Ha	135 Ha	
		Net increase in crop production area				
		Increase in area under vegetation		Nil	220Ha	
		Increase in area under horticulture			120 Ha	
		Increase in area under fuel & fodder				
		Increase in milk production				
		No. of SHGs		5 Nos	22 Nos	
		Increase in no. of livelihoods			20 Nos	
		Increase in income			87,000	
		Migration				
		No. of school going children		545 Nos	935 Nos	
		SHG Federations formed				
		Credit linkage with banks			30 Nos	
		Resource use agreements			13 Nos	
		WDF collection & management			2 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-IX	Wah Umlyngdoh & Umjani	As per Treatment Plan	117.0 lakhs	175.50 lakhs	117.0 lakhs		1.25	

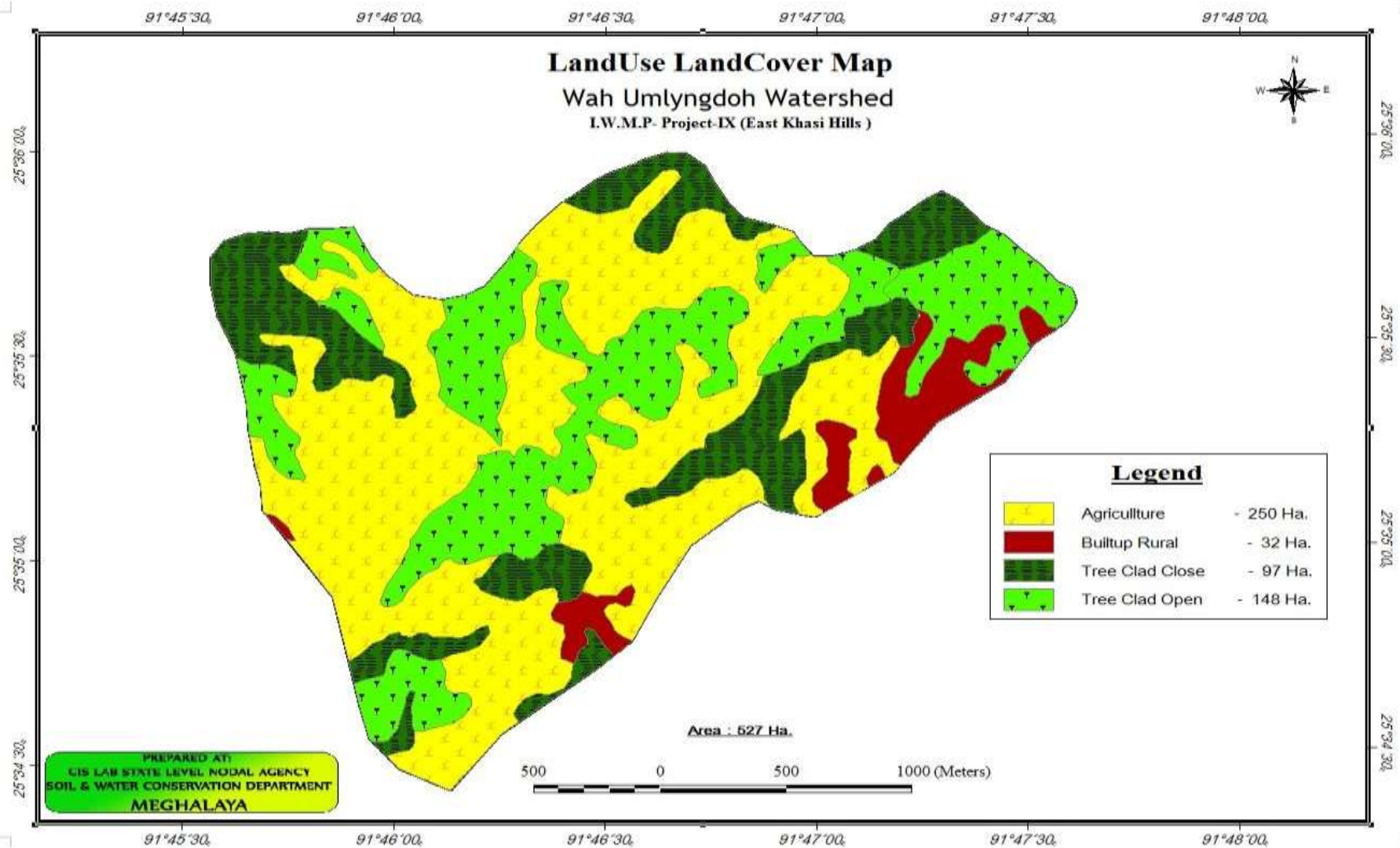
* from column no. 2, total no. of States implementing the programme, from column no. 3, total no. of Districts; from Column no. 4, no. of projects, from column no. 5, no. of WCs, from column no. 6, no. of structures/ activities, from column no. 7 to 10, category-wise# totals, may be mentioned at the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

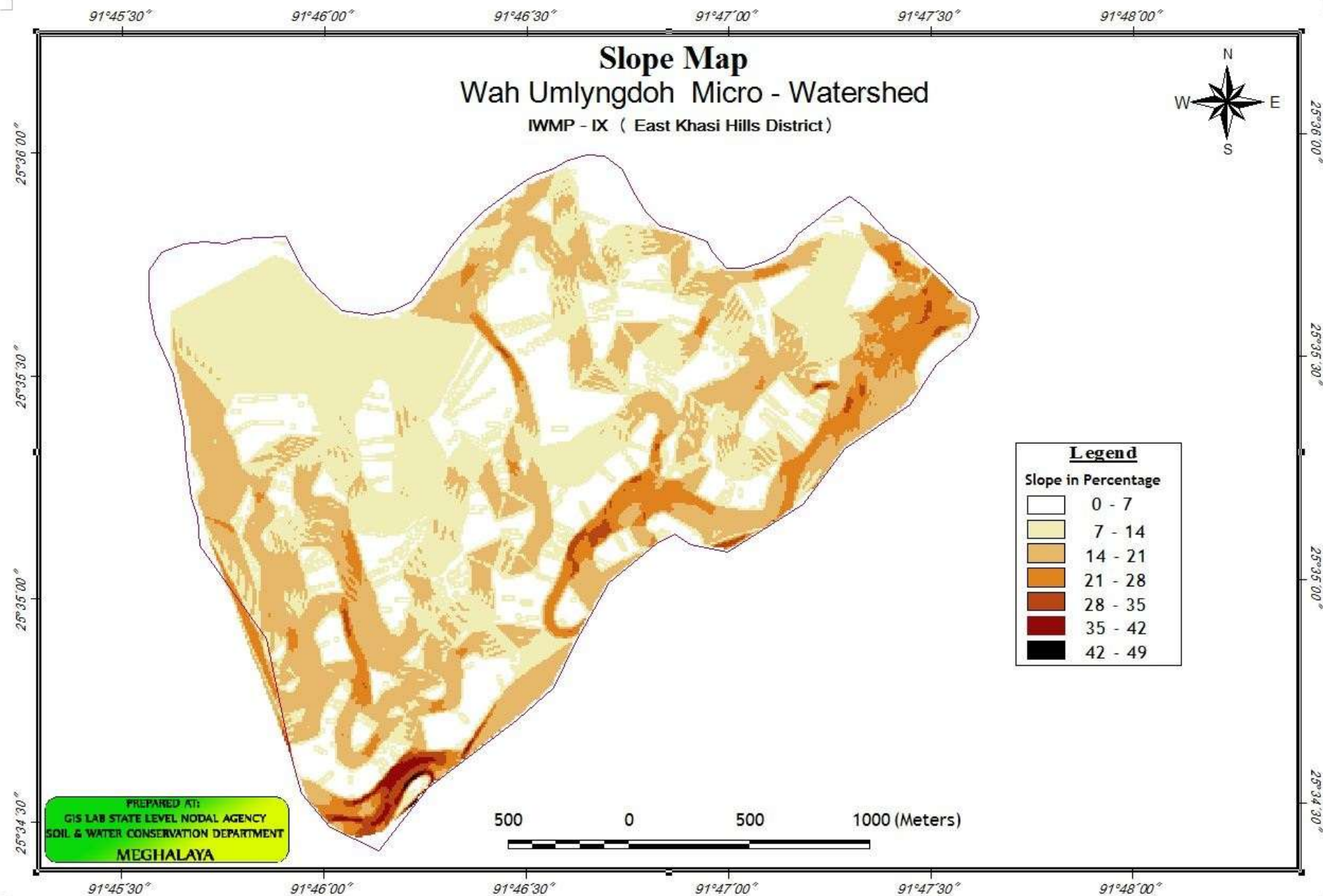
[#] B:C ratio more than 1 – cost effective
less than 1 – Not cost effective

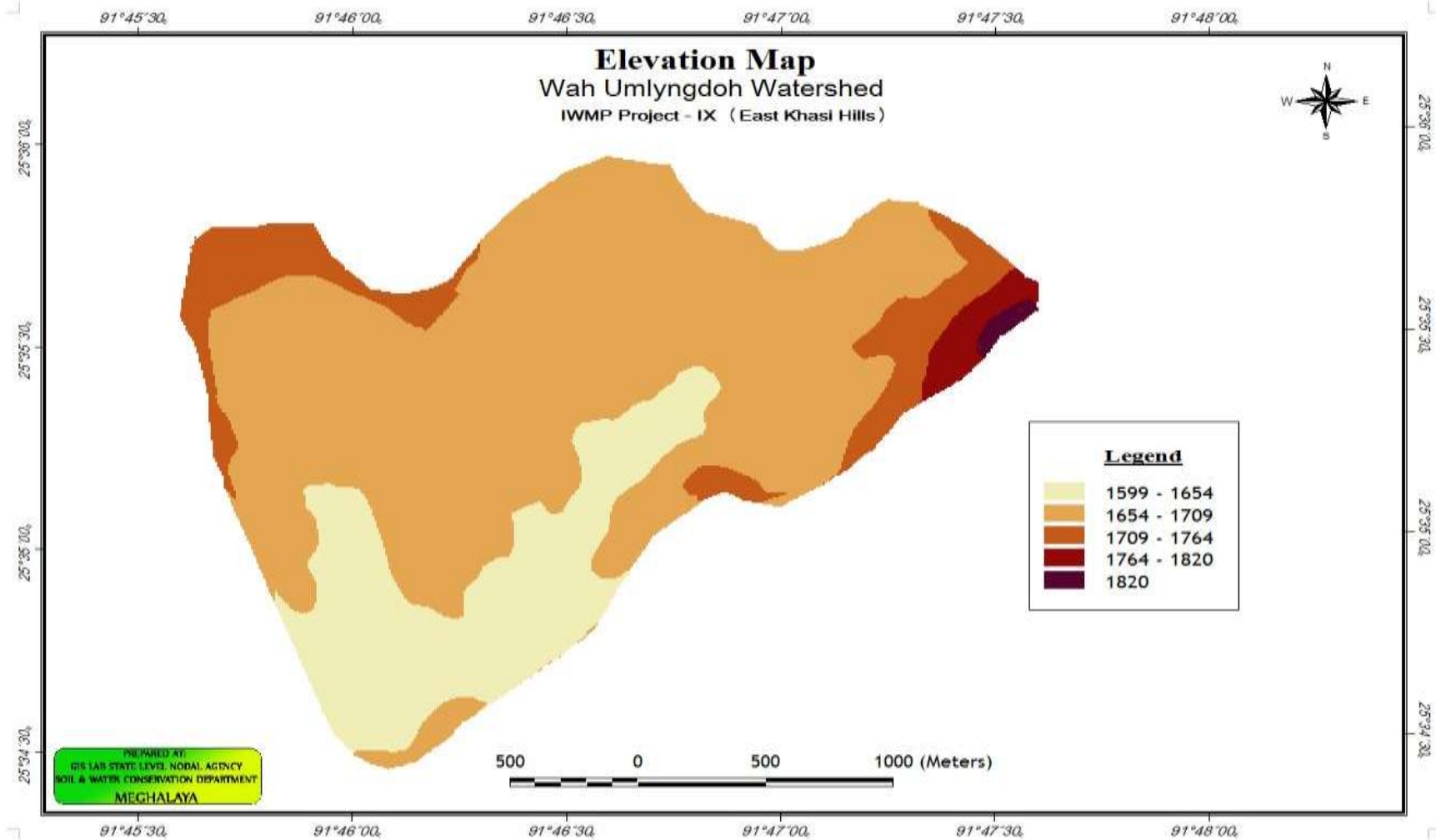
ANNEXURE I

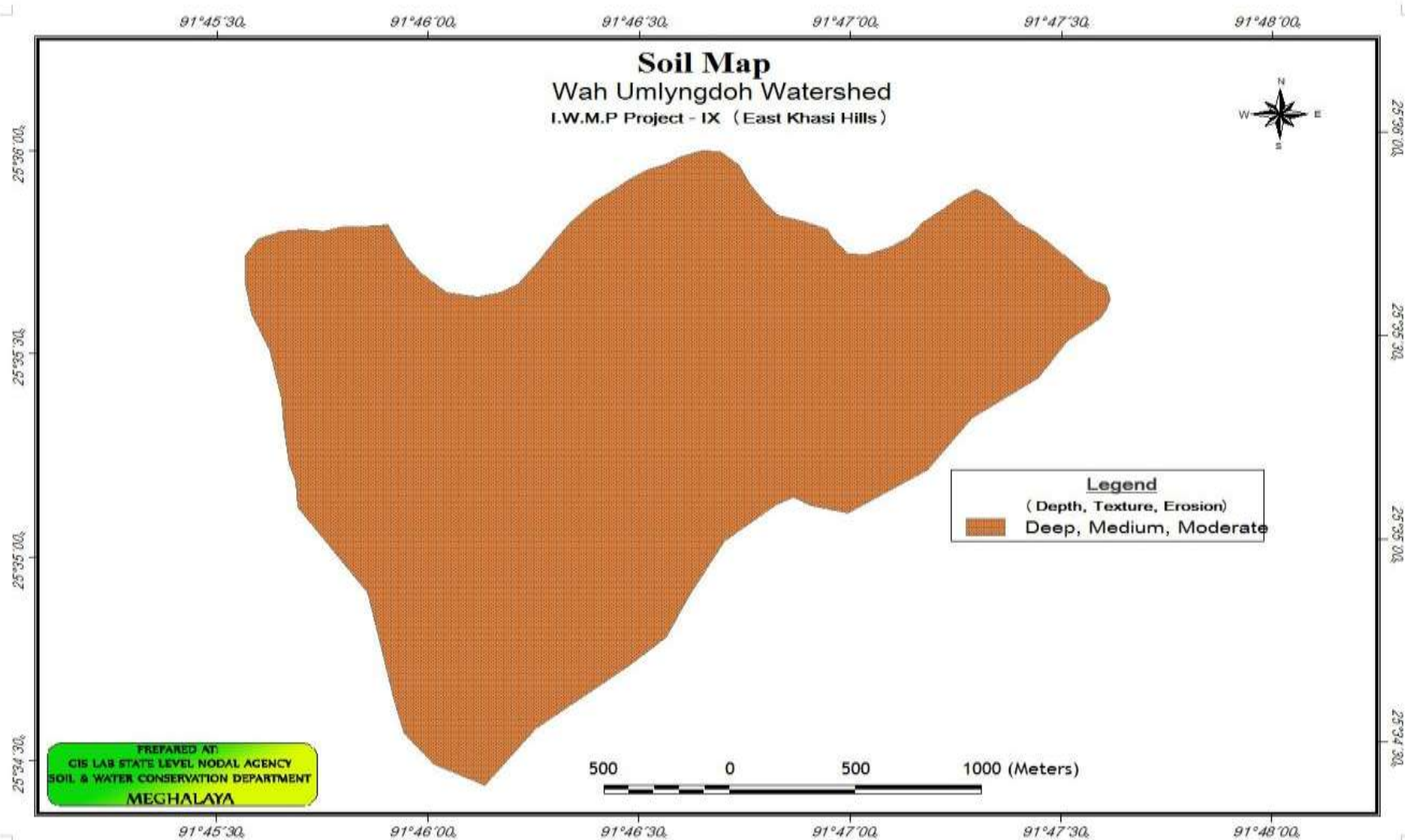
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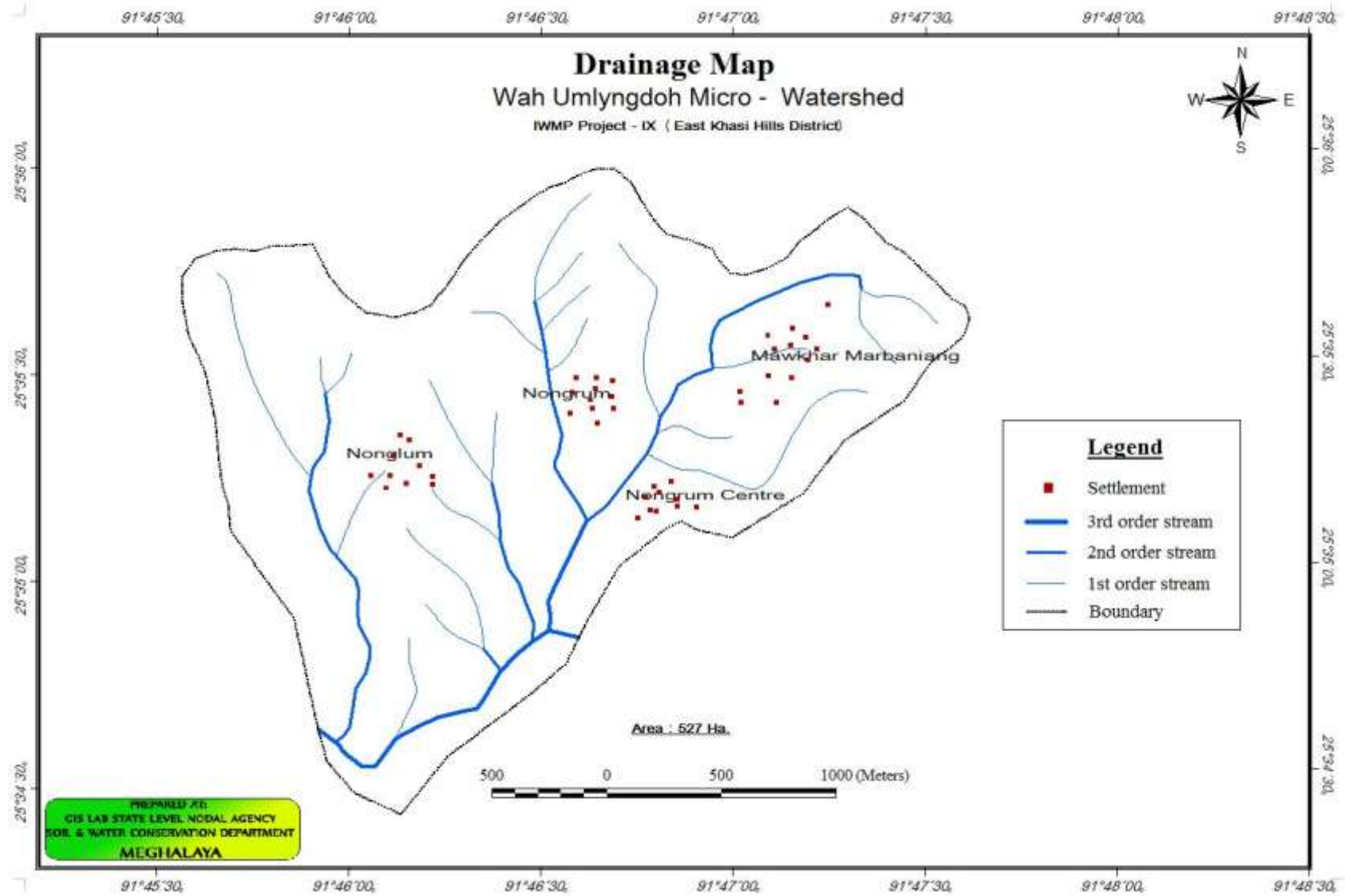
WAH UMLYNGDOH AND UMJANI – IWMP-IX







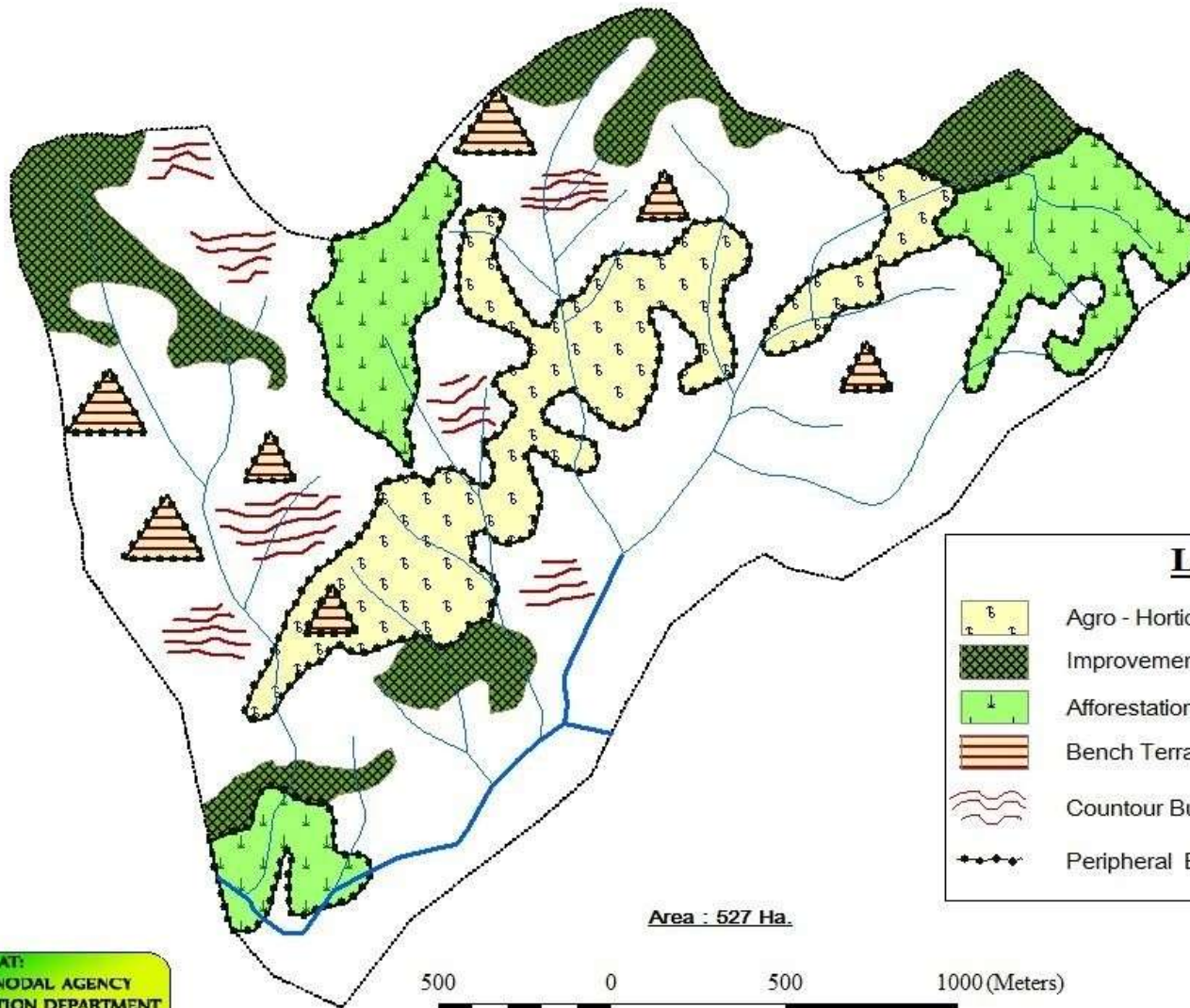




LandUse LandCover Map

Wah Umlyngdoh Watershed

I.W.M.P- Project-IX (East Khasi Hills)

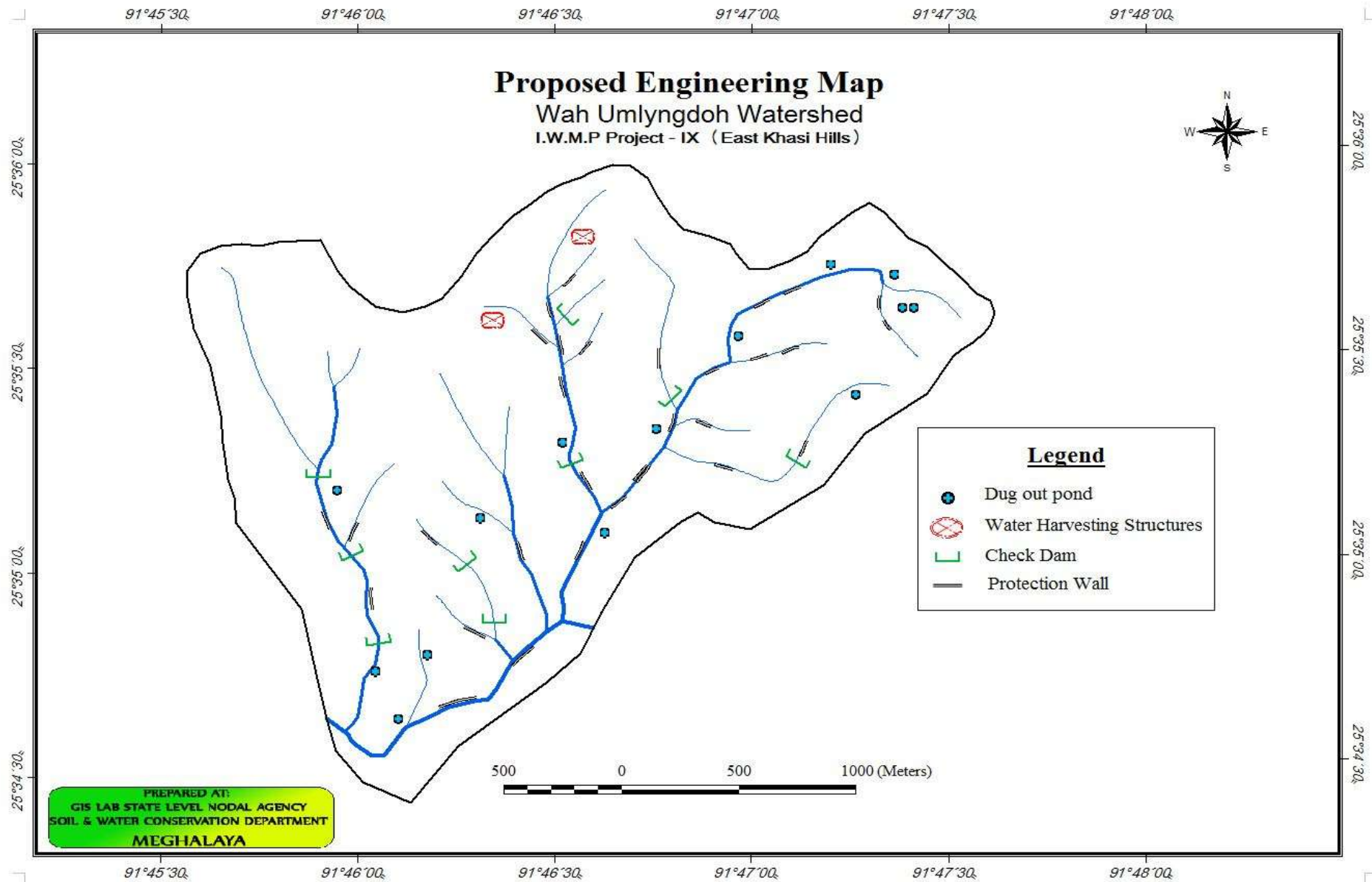


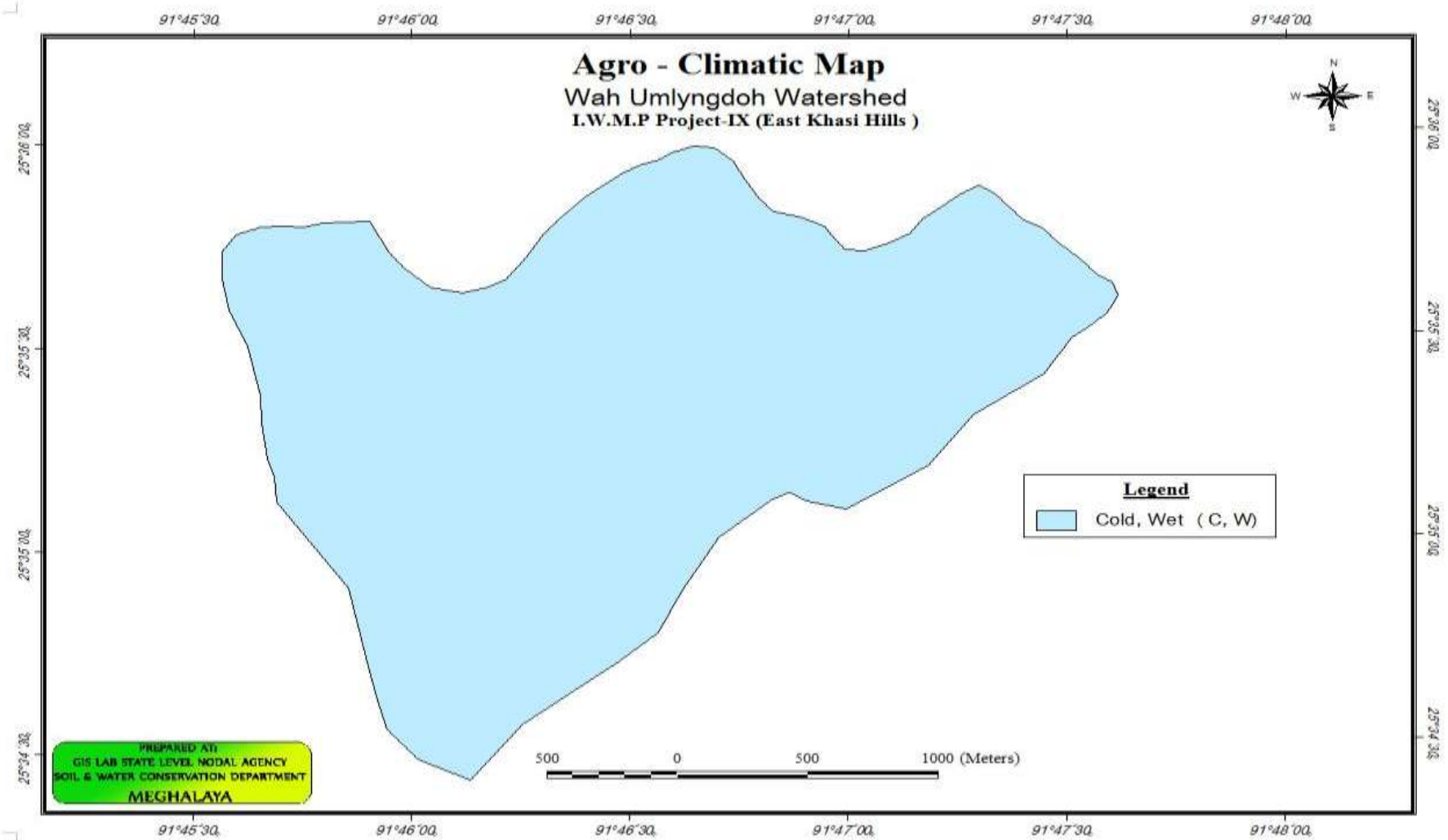
Legend		
	Agro - Horticulture	- 60 Ha.
	Improvement of existing forest	- 55 Ha.
	Afforestation / Agro Forestry	- 55 Ha.
	Bench Terracing	- 10 Ha.
	Countour Bunding	- 40 Ha.
	Peripheral Bunding	-12234 Rm

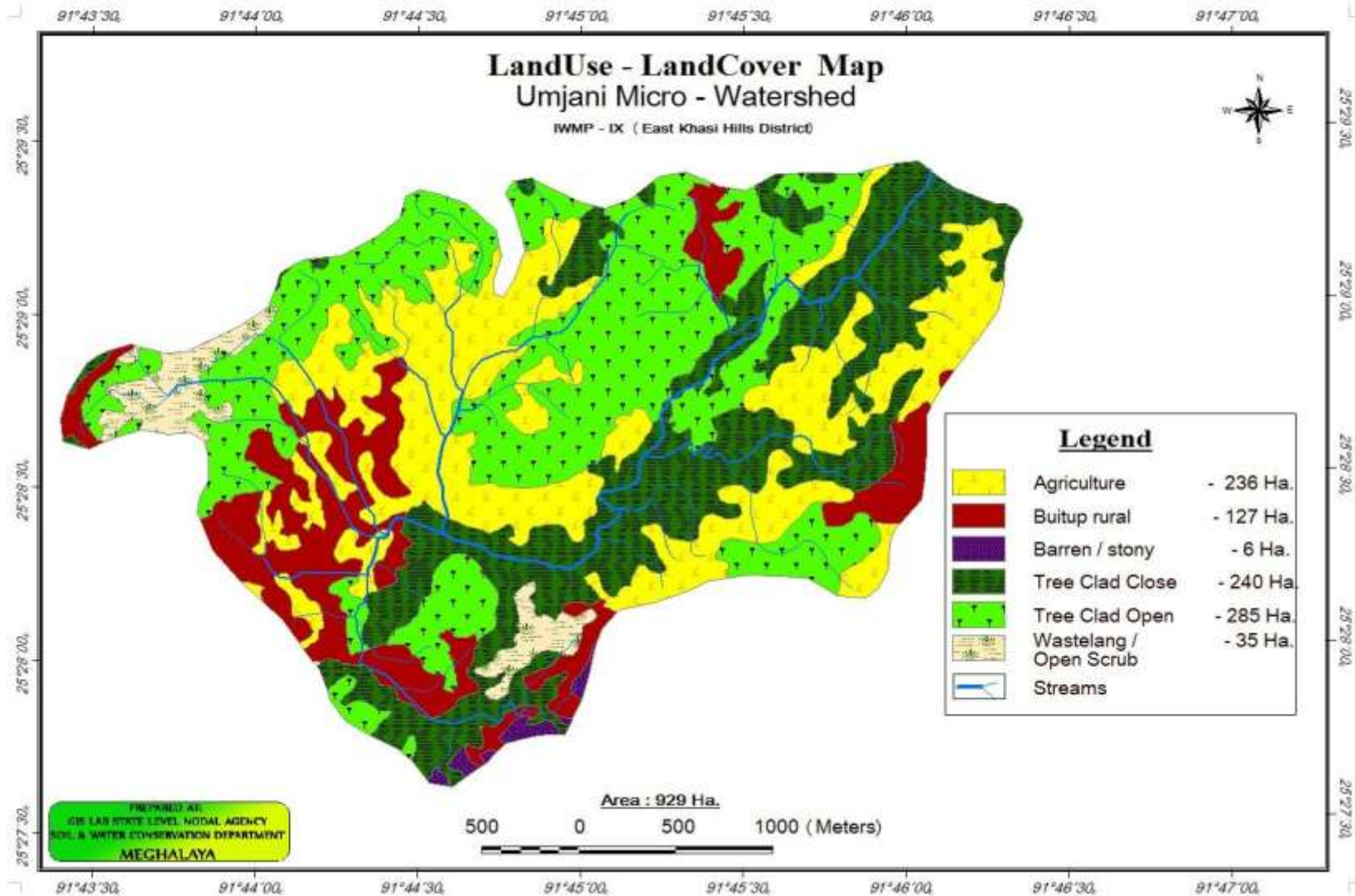
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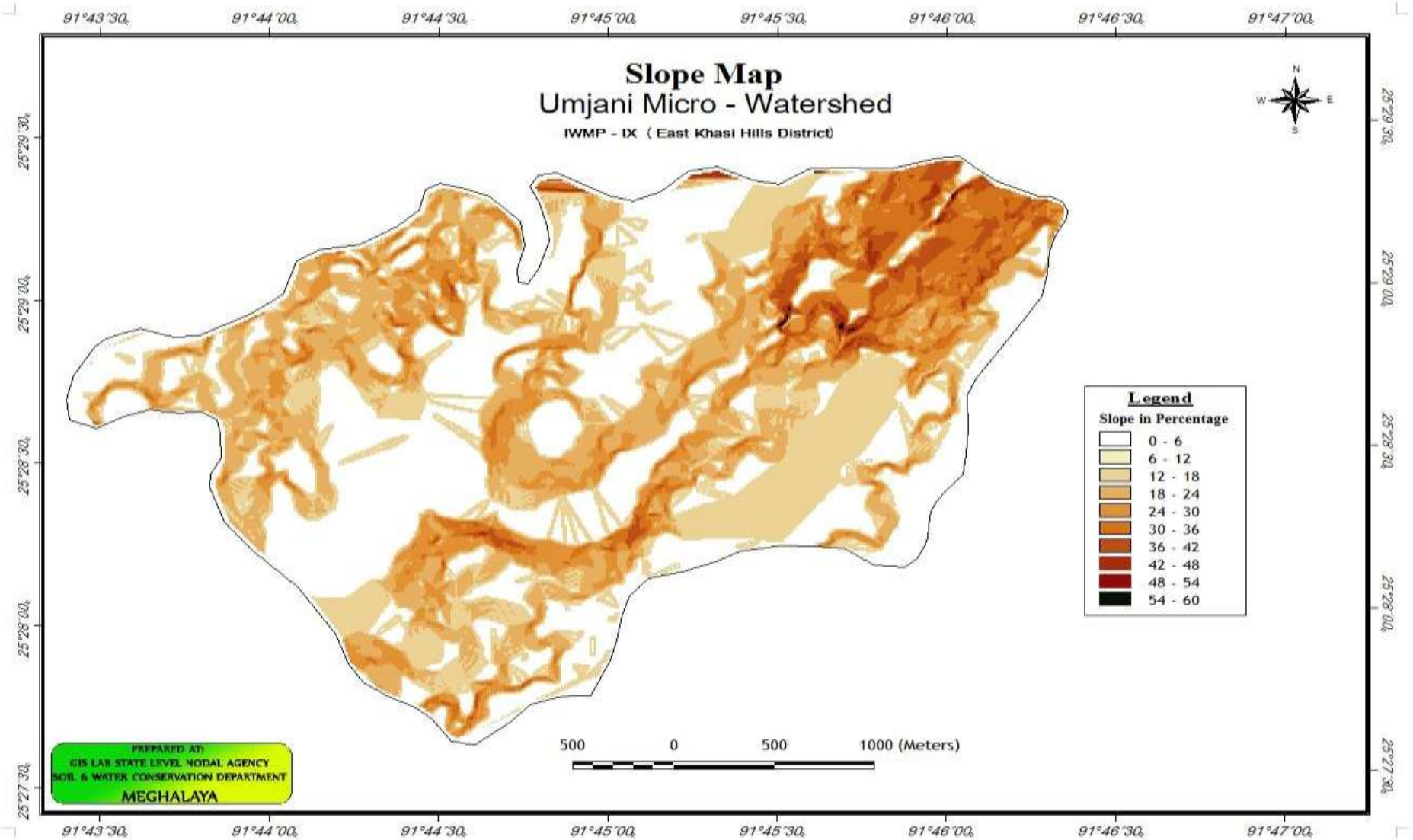


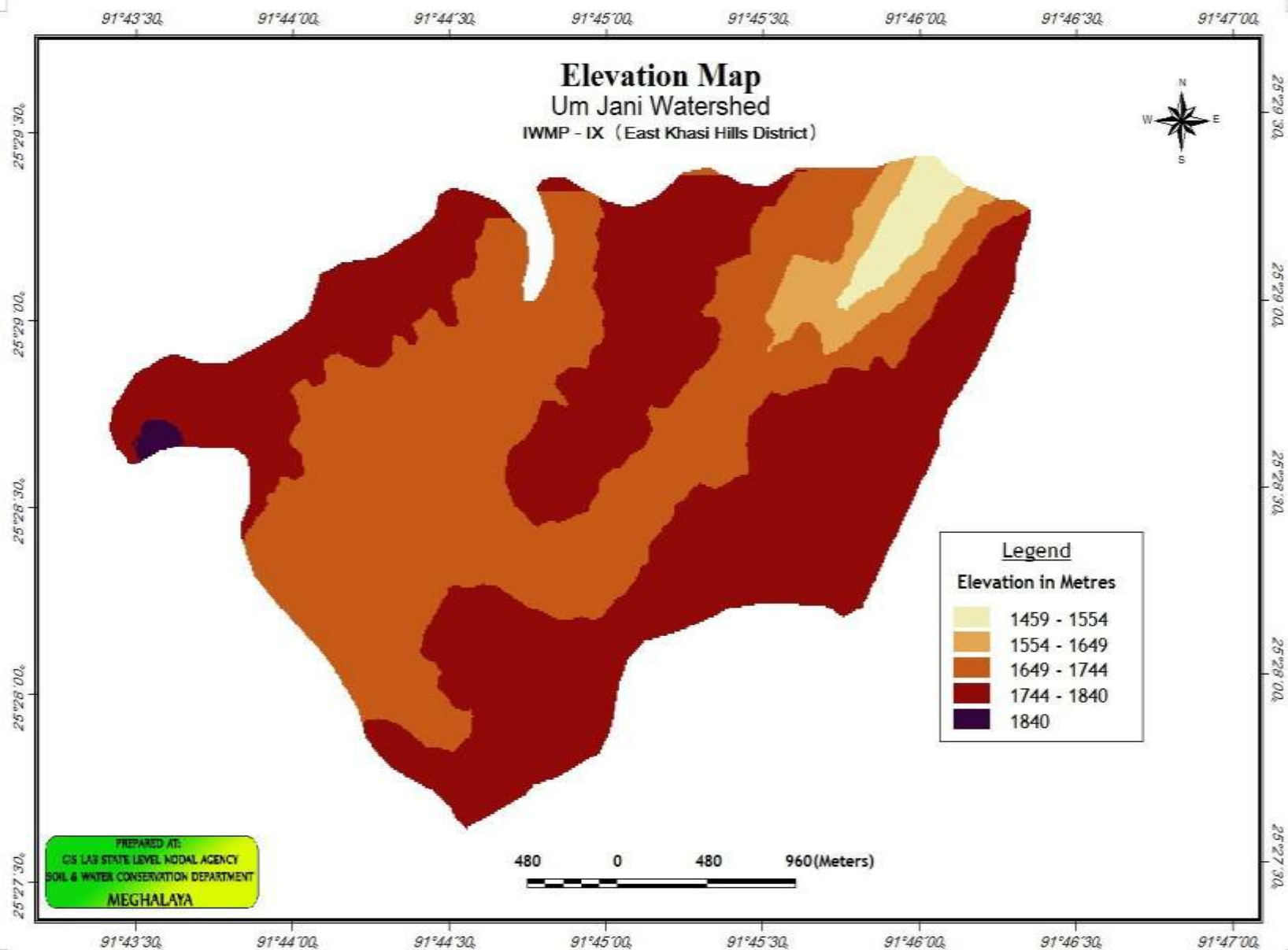
PREPARED AT:
GIS LAB STATE LEVEL NODAL AGENCY
SOIL & WATER CONSERVATION DEPARTMENT
MEGHALAYA

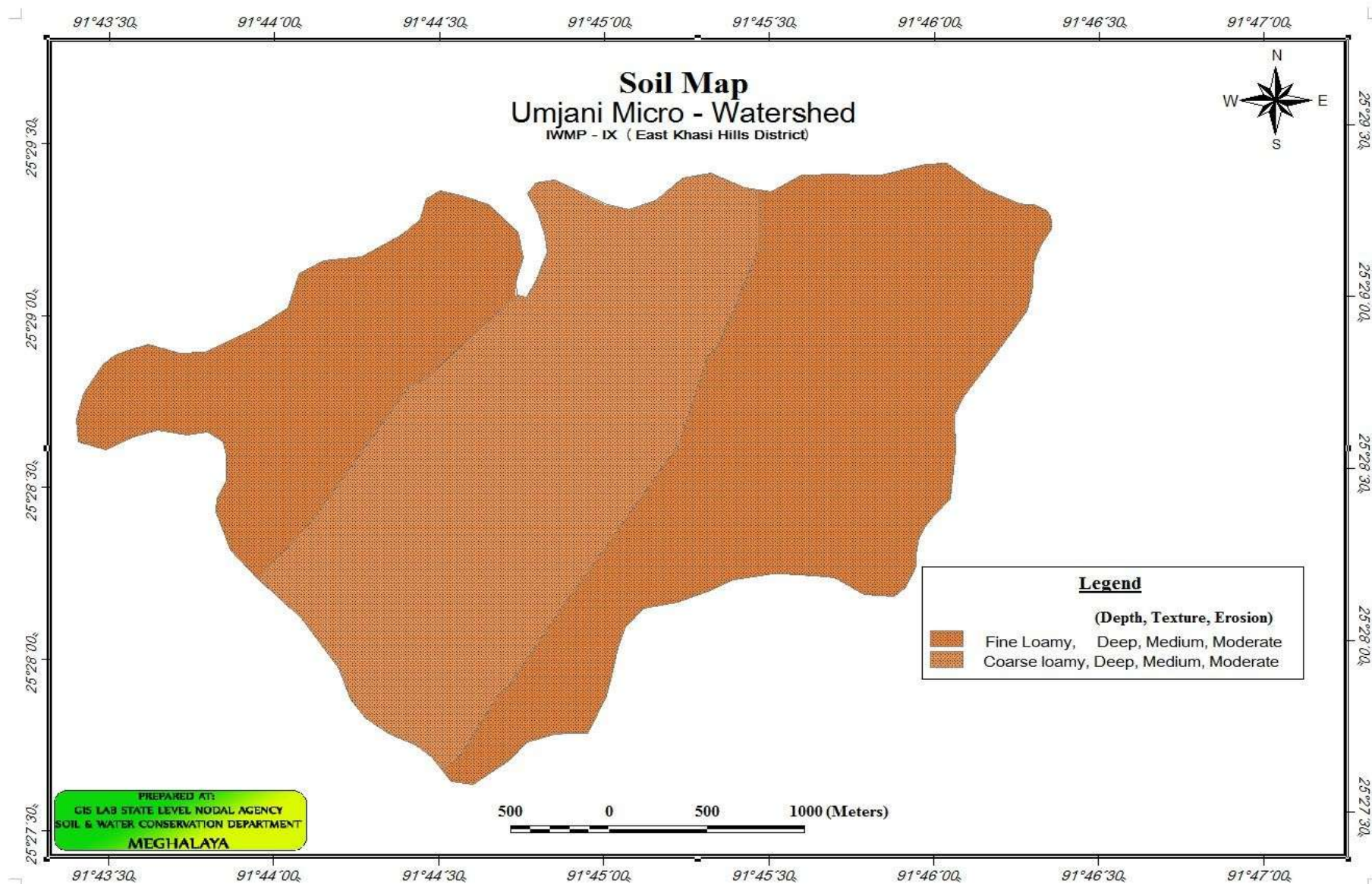


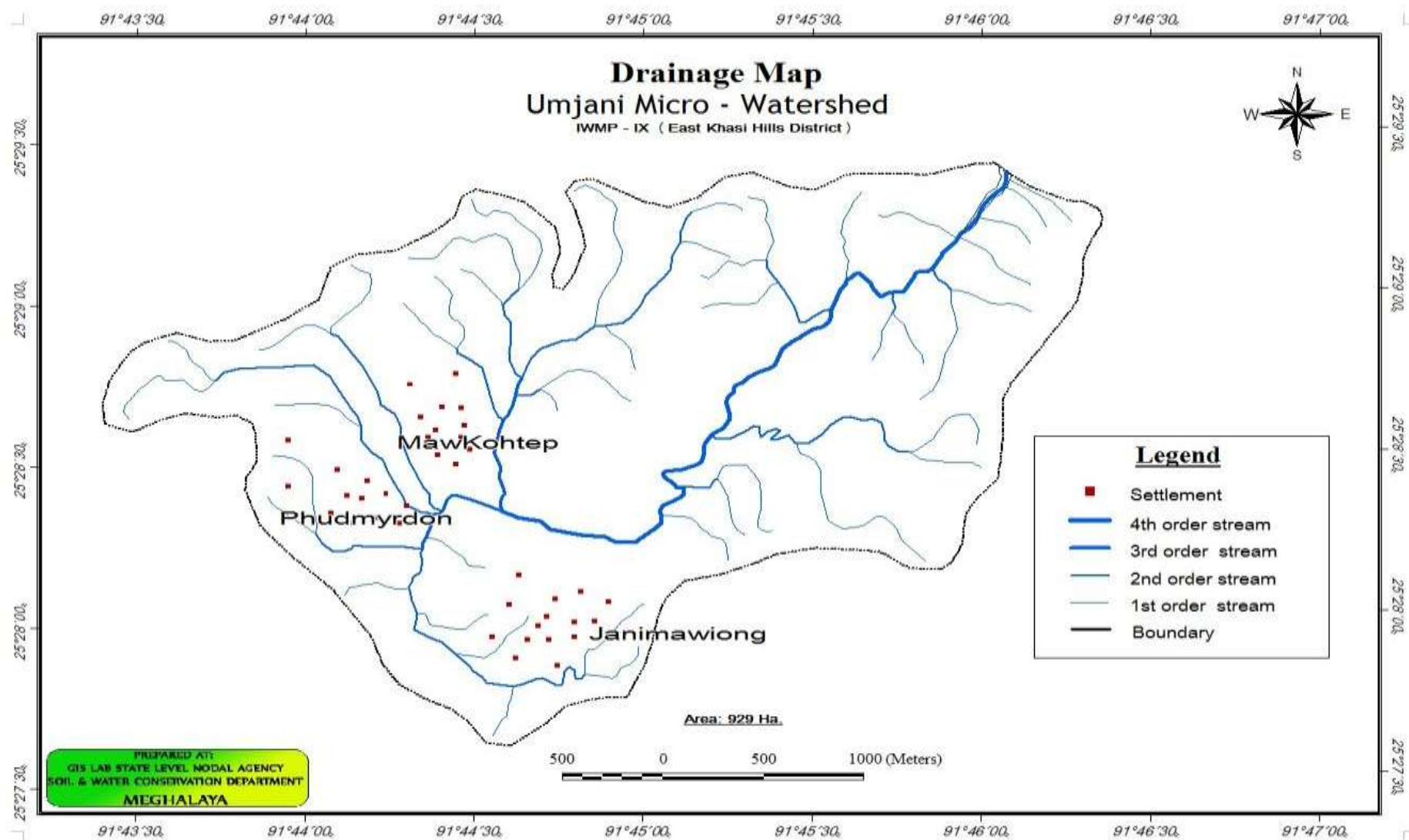


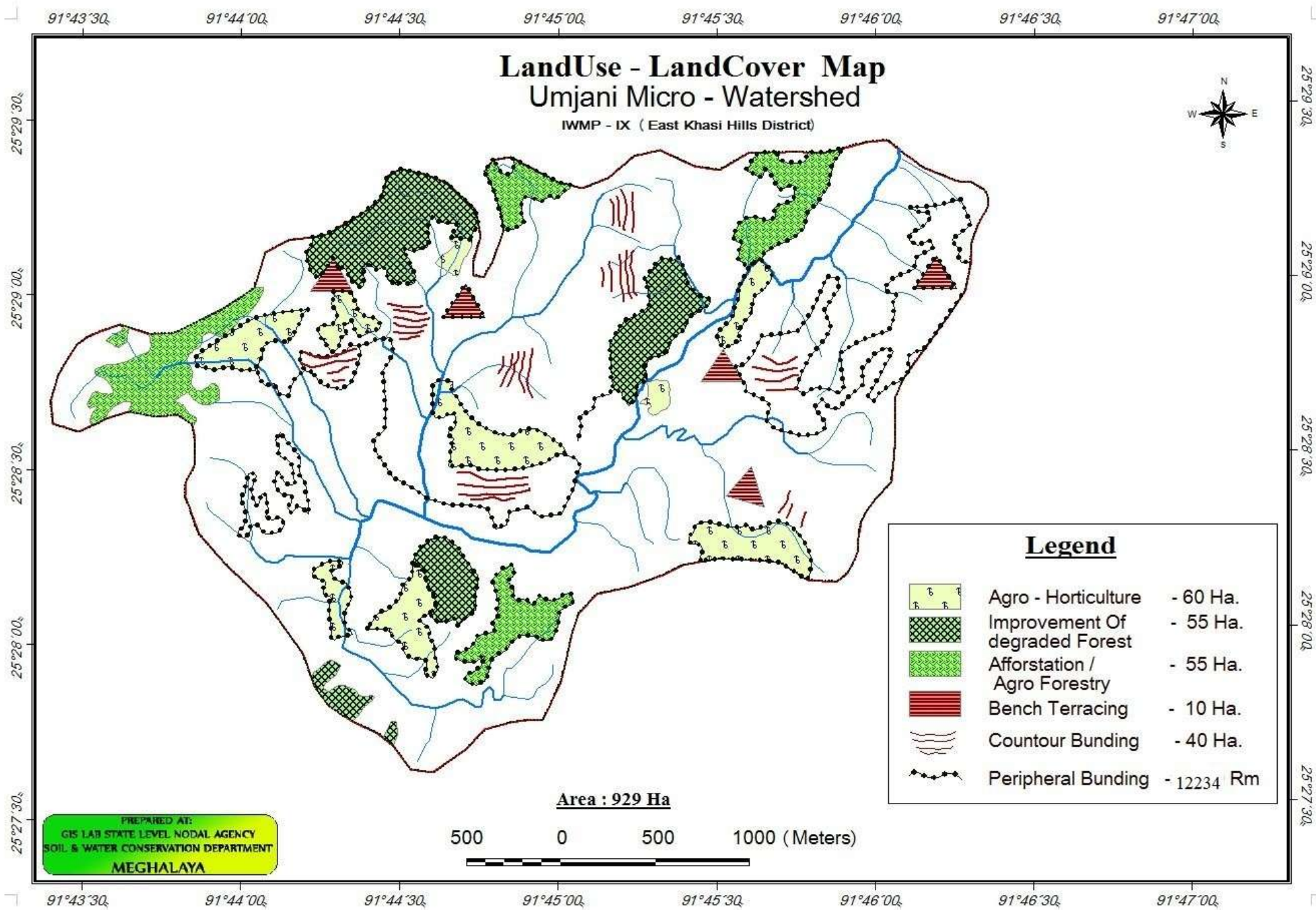


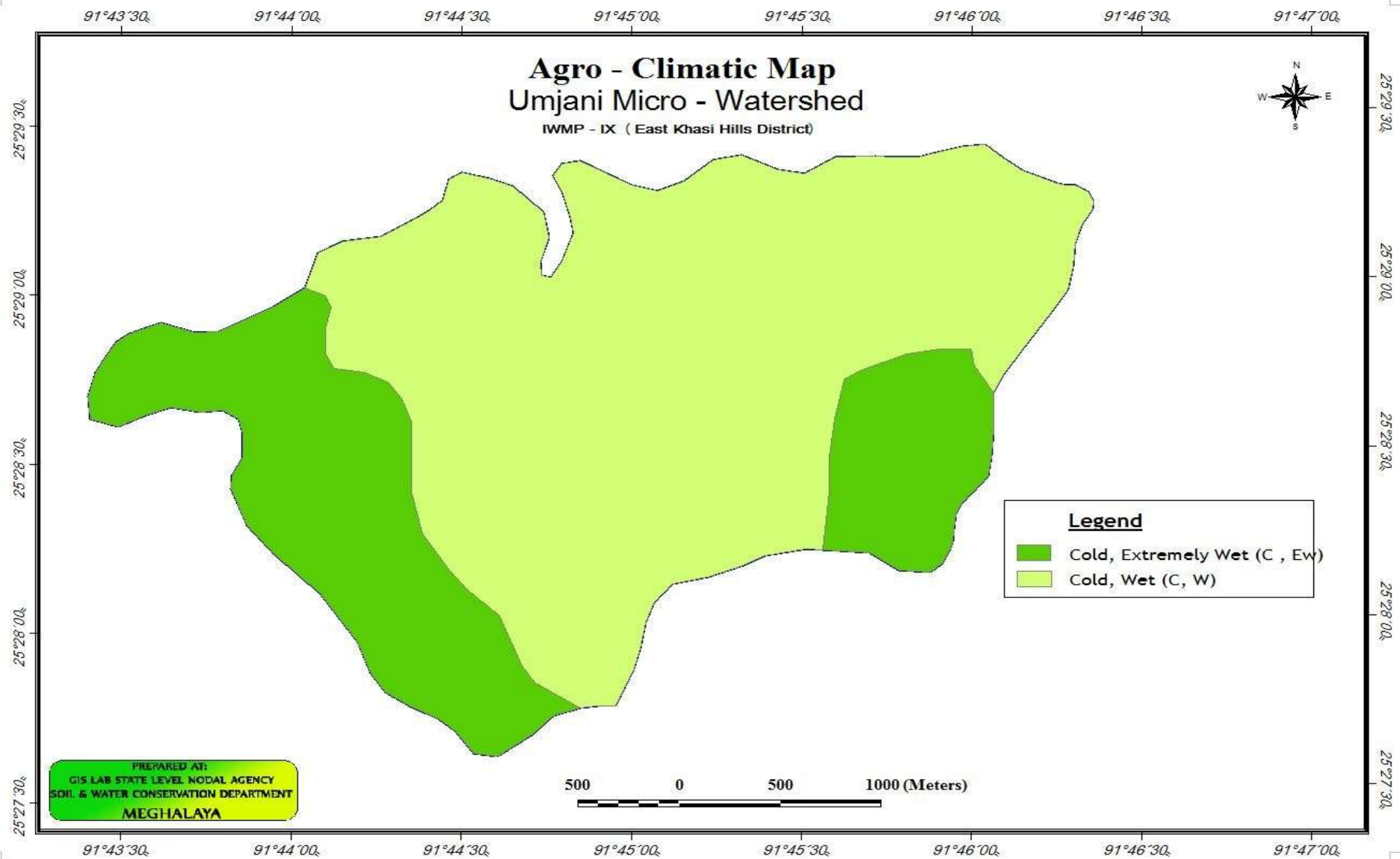


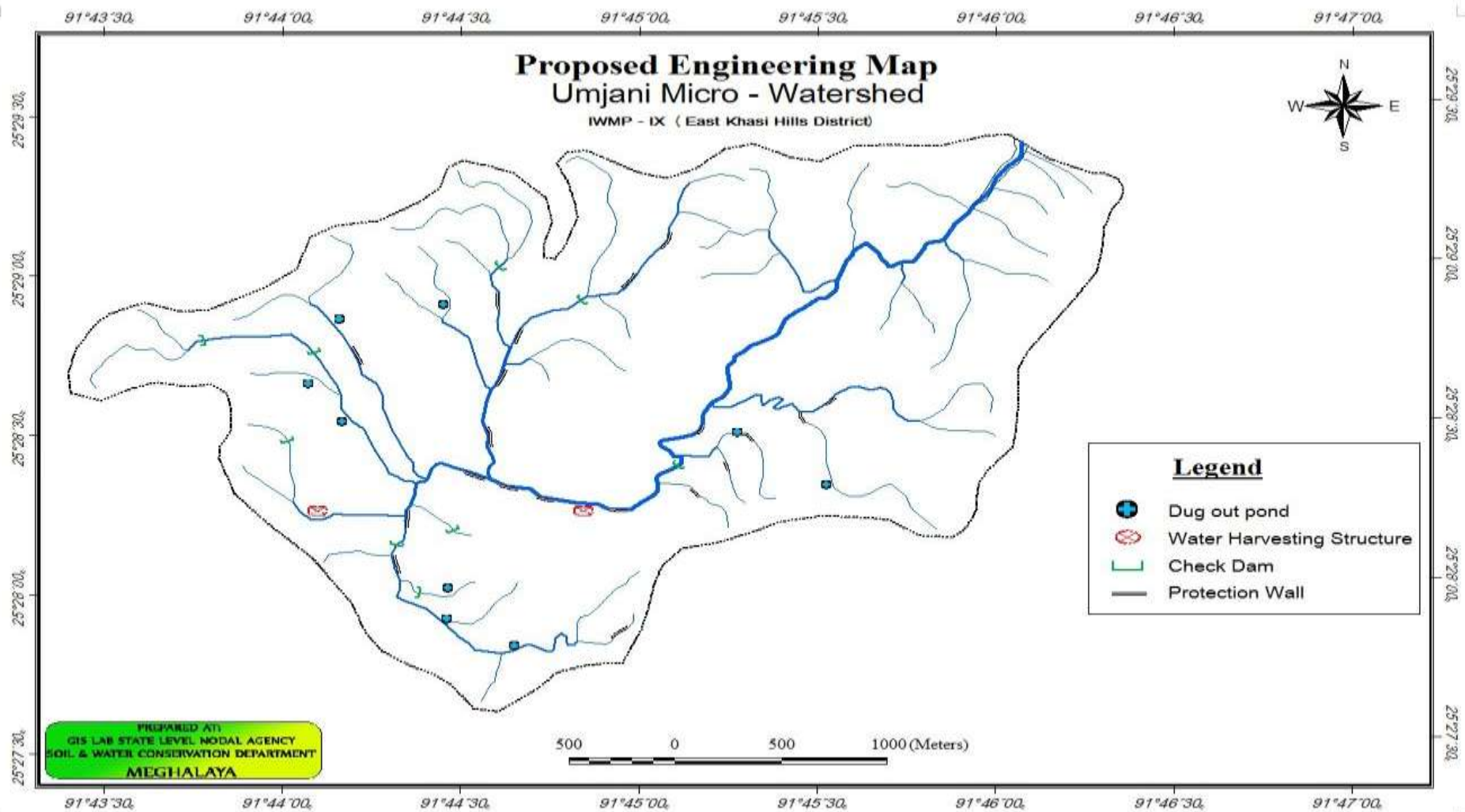












ANNEXURE II

SOCIO-ECONOMIC SURVEY DETAILS

NAME OF THE VILLAGE – MARBANIANG-MAWKHAR (KRANG) (Socio economic Survey)

Sl. No	Name of the Head of Family	Nos. of population			Total nos. of child below 12yrs both female and male out of col.5	Occupation	Literacy		Land holding area in ha/household	Name of crops grown	Average yield of each crop in Kg/ha	Livestock in nos.			Total income of each family per anum(Rs)	Remarks
		Male	Female	Total			Illiterate	Literate				Cow	Poultry	Piggery		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Shri.Swit Nongrang	5	4	9	3	farmer	0	9	4.00	Paddy Potato	7qtls 18qtls	0	0	4	80000	
2	Smti.Iarikmen Dohtdong	2	3	5	3	farmer	0	5	4.00	Paddy Potato	10qtls 12qtls	0	0	0	50000	
3	Smti.Skilmon Dohtdong	5	5	10	2	farmer	4	6	5.00	Paddy Potato	7qtls 19qtls		5	2	70000	
4	Smti.Soralinda Dohtdong	4	5	9	2	farmer	5	4	6.00	Paddy Potato	10qtls 21qtls	0	2	0	80000	
5	Smti.Elistimai Dohtdong	1	2	3	1	farmer	0	3	2.00	Paddy Potato	4qtls 12qtls	0	0	2	40000	
6	Smti.Bistolin Dohtdong	4	3	7	1	farmer	4	3	4.00	Paddy Potato	8qtls 18qtls	0	0	0	60000	
7	Smti.Diberlin Dohtdong	3	4	7	5	farmer	3	4	3.00	Paddy Potato	4qtls 9qtls	0	0	0	45000	
8	Smti.Riphilin Dohtdong	3	4	7	5	farmer	4	3	3.00	Paddy Potato	4qtls 12qtls	0	0	2	45000	
9	Smti.Reskola Dohtdong	1	2	3	2	farmer	2	1	3.00	Paddy Potato	8qtls 16qtls	0	0	0	40000	
10	Smti.Wanshailang Dohtdong	2	1	3	1	farmer	1	2	3.00	Paddy Potato	7qtls 12qtls	0	0	2	45000	
11	Smti.Aitrolin Nongrum	1	2	3	1	farmer	1	2	3.00	Paddy Potato	8qtls 15qtls	0	0	1	40000	
12	Shri.Phrel Mawlong	1	2	3	1	farmer	1	2	2.00	Paddy Potato	4qtls 10qtls	0	0	1	40000	
13	Shri.Klan Mawlong	4	5	9	0	farmer	0	9	4.00	Paddy Potato	8qtls 10qtls	0	4	0	75000	
14	Smti.Thrin Nongrum	3	2	5	2	farmer	2	3	3.00	Paddy Potato	7qtls 8qtls	0	0	0	50000	

15	Shri.Skor Kharthangmaw	3	6	9	6	Farmer	5	4	5.00	Paddy Potato	10qtls 12qtls	0	5	2	80000	
16	Shri.Sparkus Kharthangmaw	1	2	3	1	farmer	1	2	3.00	Paddy Potato	7qtls 12qtls	0	0	3	40000	
17	Smti.Krutsila Kyrlian	2	6	8	6	farmer	6	2	3.00	Paddy Potato	6qtls 12qtls	0	4	3	70000	
18	Shri.Westing Mawlong	4	6	10	6	Farmer	3	7	5.00	Paddy Potato	7qtls 8qtls	0	6	3	70000	
19	Smti.Shailin Baswaiawmoit	2	5	7	4	farmer	5	2	3.00	Paddy Potato	10qtls 12qtls	0	4	0	50000	
20	Smti.Sbaimon Basaiaawmoit	2	3	5	3	farmer	4	1	3.00	Paddy Potato	7qtls 12qtls	0	2	0	45000	
21	Smti.Iora Mawlong	3	6	9	6	farmer	6	3	4.00	Paddy Potato	6qtls 12qtls	0	3	0	65000	
22	Shri.Dwek Nongbsap	4	6	10	7	farmer	6	4	4.00	Paddy Potato	4qtls 12qtls	0	2	0	70000	
23	Shri.Wed Stepwar	2	5	7	5	Farmer	6	1	4.00	Paddy Potato	4qtls 8qtls	0	0	3	70000	
24	Shri.Broding Nongbsap	2	4	6	4	farmer	2	4	3.00	Paddy Potato	4qtls 9qtls	0	0	2	50000	
25	Smti.Mesterla Mawlong	2	5	7	4	farmer	5	2	3.00	Paddy Potato	4qtls 12qtls	0	0	0	50000	
26	Smti.Dlian Mawlong	2	6	8	5	farmer	4	4	2.00	Paddy Potato	8qtls 12qtls	0	8	0	60000	
27	Smti.Snolin Mawlong	2	3	5	3	farmer	3	2	3.00	Paddy Potato	7qtls 12qtls	0	0	0	40000	
28	Smti.Sorbia Mawlong	4	4	8	4	farmer	5	3	2.00	Paddy Potato	8qtls 15qtls	0	0	0	60000	
29	Smti.Aitrisha Mawlong	6	3	9	6	farmer	6	3	3.00	Paddy Potato	4qtls 10qtls	0	2	0	60000	
30	Smti.Ladiar Dohtdong	5	6	11	6	farmer	4	7	4.00	Paddy Potato	8qtls 10qtls	0	0	5	70000	
31	Smti.Armi Nongsiej	3	4	7	4	farmer	3	4	3.00	Paddy Potato	7qtls 8qtls	0	3	0	50000	
32	Smti.Prila Nongsiej	2	4	6	2	farmer	5	1	3.00	Paddy Potato	10qtls 12qtls	0	2	0	45000	
33	Smti.Estralin Nongsiej	2	3	5	3	farmer	3	2	4.00	Paddy Potato	7qtls 12qtls	0	4	0	40000	
34	Smti.Riphilda Nongsiej	1	3	4	2	farmer	2	2	2.00	Paddy Potato	6qtls 12qtls	0	0	0	40000	

35	Smti.Deralin Basaiaawmoit	1	3	4	2	farmer	3	1	2.00.	Paddy Potato	4qtls 12qtls	0	0	0	40000	
36	Smti.Stora Basaiaawmoit	4	2	6	4	farmer	4	2	2.00	Paddy Potato	4qtls 8qtls	0	2	0	50000	
37	Shri.Brin Nongrum	2	4	6	0	farmer	3	3	3.00	Paddy Potato	4qtls 9qtls	0	0	4	50000	
38	Smti.Einidra Kharthangmaw	2	3	5	3	farmer	3	2	3.00	Paddy Potato	4qtls 12qtls	0	0	2	45000	
39	Smti.Traika Kharthangmaw	1	3	4	2	farmer	2	2	3.00	Paddy Potato	8qtls 12qtls	0	0	0	40000	
40	Smti.Stiewdalin Kharthangmaw	1	1	2	0	farmer	0	2	4.00	Paddy Potato	7qtls 12qtls	0	0	0	50000	
41	Smti.Siu Mawlong	3	3	6	4	farmer	1	5	3.00	Paddy Potato	7qtls 8qtls	0	4	4	50000	
42	Smti.Wislidon lang Dohtdong	1	1	2	0	Farmer	0	2	4.00	Paddy Potato	10qtls 12qtls	0	2	0	40000	
43	Smti.Sminora Mawlong	2	4	6	4	farmer	4	2	3.00	Paddy Potato	7qtls 12qtls	0	2	0	50000	
44	Shri.Stoklet Nongrum	3	5	8	5	farmer	5	3	2.00	Paddy Potato	6qtls 12qtls	0	0	0	40000	
45	Smti.Ribanta Nongrum	1	3	4	2	Farmer	1	2	2.00	Paddy Potato	4qtls 12qtls	0	0	0	50000	
46	Smti.Risbelin Mawlong	2	4	6	4	farmer	4	2	3.00	Paddy Potato	4qtls 8qtls	0	0	0	45000	
		125	166	291									68	42		

NAME OF THE VILLAGE – NONGRUM CENTRE KRANG (Socio economic Survey)

Sl. No	Name of the Head of Family	Nos. of population			Total nos. of child below 12yrs both female and male out of col.5	Occupation	Literacy		Land holding area in ha/household	Name of crops grown	Average yield of each crop in Kg/ha	Livestock in nos.			Total income of each family per anum(Rs)	Remarks
		Male	Female	Total			Illiterate	Literate				Cow	Poultry	Piggery		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Smti.Treilian Kysian	4	3	7	3	farmer	3	4	5.00	Paddy Potato	7qtls 8qtls	0	0	2	40000	
2	Smti.Sngi Kysian	2	3	5	3	farmer	2	3	5.00	Paddy Potato	10qtls 12qtls	0	3	0	20000	
3	Smti.Rilinda Kharbani	4	5	9	6	farmer	3	6	5.00	Paddy Potato	7qtls 12qtls	0	0	2	25000	
4	Smti.Brodian Kysian	6	6	12	6	farmer	8	4	9.00	Paddy Potato	9qtls 21qtls	0	8	0	80000	
5	Smti.Roselinda Mawlong	4	4	8	6	farmer	5	3	4.00	Paddy Potato	4qtls 12qtls	0	0	1	20000	
6	Shri.Krul Kysian	3	2	5	3	farmer	2	3	5.00	Paddy Potato	4qtls 8qtls	0	0	1	30000	
7	Shri.Prul Kysian	0	2	2	0	farmer	0	2	1.00	Paddy Potato	4qtls 9qtls	0	0	0	10000	
8	Shri.Noril Kysian	3	4	7	0	farmer	4	3	5.00	Paddy Potato	9qtls 21qtls	0	0	0	40000	
9	Shri.Jrul Kysian	1	2	3	0	farmer	1	2	2.00	Paddy Potato	8qtls 12qtls	0	3	2	50000	
10	Smti.Itsnora Kysian	2	4	6	3	farmer	0	6	1.00	Paddy Potato	7qtls 12qtls	0	0	0	20000	
11	Smti.Bitstona Kysian	2	2	4	2	farmer	0	4	1.00	Paddy Potato	8qtls 15qtls	0	0	0	20000	
12	Smti.Sarka Kysian	3	3	6	2	farmer	0	6	1.00	Paddy Potato	4qtls 10qtls	0	0	0	20000	
13	Smti.Shermon Sawkmie	2	4	8	0	farmer	4	4	1.00	Paddy Potato	8qtls 10qtls	0	3	0	30000	
14	Shri.Kellin Sawkmie	5	3	8	6	Farmer	5	3	1.00	Paddy Potato	7qtls 8qtls	0	0	0	15000	

15	Smti.Shandalin Sawkmie	4	1	5	3	farmer	3	2	1.00	Paddy Potato	10qtls 12qtls	0	0	0	15000	
16	Shri.Jarmon Sawkmie	7	5	12	5	farmer	7	5	1.00	Paddy Potato	7qtls 12qtls	0	2	0	25000	
17	Smti.Ailitsira Kyrlian	2	2	4	2	farmer	2	2	1.07	Paddy Potato	6qtls 12qtls	0	3	0	20000	
18	Smti.Shimtihun Kharthangmaw	0	2	2	1	Bussiness	0	2	1.00	Paddy Potato	7qtls 8qtls	0	4	0	15000	
19	Smti.Phrimon Mawlong	2	2	4	0	farmer	3	1	3.00	Paddy Potato	10qtls 12qtls	0	0	0	10000	
20	Smti.Erda Mawlong	5	4	9	3	farmer	3	4	3.00	Paddy Potato	7qtls 19qtls	0	0	3	35000	
21	Smti.Medrian Mawlong	4	5	9	0	farmer	6	3	7.00	Paddy Potato	12qtls 25qtls	0	0	5	50000	
22	Smti.Metrl Mawlong	4	6	10	6	Farmer	7	3	9.00	Paddy Potato	10qtls 22qtls	0	4	0	45000	
23	Smti.Saramon Mawlong	2	5	7	2	farmer	4	3	6.00	Paddy Potato	4qtls 8qtls	0	0	0	15000	
24	Shri.Nor Kyrlian	3	2	5	0	farmer	3	2	5.00	Paddy Potato	4qtls 19qtls	0	0	0	20000	
25	Smti.Skomon Mawlong	3	3	6	0	farmer	4	2	4.00	Paddy Potato	4qtls 12qtls	0	0	0	30000	
26	Smti.Snoril Mawlong	3	6	9	4	farmer	5	4	4.00	Paddy Potato	8qtls 12qtls	0	0	0	36000	
27	Smti.Merista Mawlong	3	2	5	0	farmer	3	2	6.00	Paddy Potato	7qtls 21qtls	0	20	15	20000	
28	Smti.Shairalin K.Thangmaw	6	2	8	3	farmer	6	2	5.00	Paddy Potato	8qtls 15qtls	0	0	0	25000	
29	Smti.Mestin Mawlong	4	4	8	2	farmer	5	3	6.00	Paddy Potato	12qtls 23qtls	2	3	2	50000	
30	Smti.Phrelin Mawlong	5	3	8	4	farmer	5	3	7.00	Paddy Potato	8qtls 26qtls	2	4	0	60000	
31	Smti.Thrila Mawlong	2	3	4	0	farmer	3	1	4.00	Paddy Potato	7qtls 8qtls	0	6	0	65000	
32	Smti.Kwela Mawlong	4	5	9	0	Farmer	7	2	8.00	Paddy Potato	10qtls 25qtls	0	4	2	70000	
33	Smti.Biolin Mawlong	4	3	7	2	farmer	3	4	7.00	Paddy Potato	7qtls 30qtls	0	0	1	80000	
34	Smti.Biolian Mawlong	6	7	13	6	farmer	7	6	7.00	Paddy Potato	6qtls 28qtls	0	8	2	75000	
35	Smti.Smeril Mawlong	1	3	4	0	farmer	2	2	6.00	Paddy Potato	4qtls 24qtls	0	0	2	30000	

36	Smti.Dralin Mawlong	4	3	7	1	farmer	4	3	4.00	Paddy Potato	4qtls 8qtls	0	0	0	30000	
37	Smti.Medra Mawlong	4	6	10	4	farmer	5	5	5.00	Paddy Potato	4qtls 9qtls	0	0	2	35000	
38	Shri.Dhom K.Thangmaw	2	6	8	0	farmer	6	2	6.00	Paddy Potato	4qtls 12qtls	0	5	0	60000	
39	Shri.Lebel Kysian	5	3	8	2	farmer	5	3	7.00	Paddy Potato	8qtls 24qtls	0	2	0	80000	
40	Smti.Phirini Kysian	1	3	4	0	farmer	3	1	4.00	Paddy Potato	7qtls 21qtls	0	4	2	85000	
41	Smti.Shiramon Mawlong	3	3	6	0	Farmer	4	2	5.00	Paddy Potato	8qtls 15qtls	0	8	0	65000	
		134	146	280								4	74	27		

NAME OF THE VILLAGE – KRANG NONGLUM (Socio economic Survey)

Sl. No	Name of the Head of Family	Nos. of population			Total nos. of child below 12yrs both female and male out of col.5	Occupation	Literacy		Land holding area in ha/house hold	Name of crops grown	Average yield of each crop in Kg/ha	Livestock in nos.			Total income of each family per anum(Rs)	Remarks
		Male	Female	Total			Illiterate	Literate				Cow	Poultry	Piggery		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Shri.E.Mawlong	5	3	8	5	Teacher	0	8	2.00	Paddy Potato	7qtls 8qtls	0	8	2	100000	
2	Smti.Siar Kyrlian	3	7	10	5	Farmer	6	4	3.00	Paddy Potato	10qtls 12qtls	0	0	0	25000	
3	Shri.Ion Kyrlian	1	1	2	0	Carpenter	0	2	0	0	0	0	0	0	35000	
4	Smti.Wanri Mawlong	2	1	3	1	Teacher	0	3	2.00	Paddy Potato	7qtls 8qtls	0	2	0	45000	
5	Shri.W.Mawlong	5	4	9	3	Teacher	3	6	3.00	Paddy Potato	10qtls 12qtls	0	0	5	100000	
6	Shri.O.jyrwa	4	6	10	5	farmer	5	5	2.00	Paddy Potato	7qtls 12qtls	2	0	0	40000	
7	Shri.J.Kurbah	4	3	7	2	farmer	5	2	6.00	Paddy Potato	13qtls 182qtls	0	3	2	60000	
8	Smti.S.Mawlong	5	1	6	0	farmer	4	2	2.00	Paddy Potato	4qtls 12qtls	0	0	0	20000	
9	Smti.T.Mawlong	4	3	7	2	Farmer	4	3	3.00	Paddy Potato	4qtls 8qtls	0	4	0	22000	
10	Shri.W.Kharbani	2	1	3	1	Teacher	0	3	5.00	Paddy Potato	4qtls 9qtls	0	3	0	80000	
11	Smti.N.Mawlong	3	2	5	1	Farmer	3	2	10.00	Paddy Potato	18qtls 26qtls	0	0	2	80000	
12	Smti.M. Kharkrang	2	3	5	1	Farmer	4	1	2.00	Paddy Potato	7qtls 8qtls	0	0	0	25000	
13	Smti.S.Kurbah	4	3	7	2	Farmer	3	4	1.50	Paddy Potato	10qtls 12qtls	0	0	0	20000	
14	Smti.R.Nongrum	2	2	4	0	farmer	3	1	1.00	Paddy Potato	7qtls 12qtls	0	0	0	15000	
15	Shri.H.Kurbah	5	6	11	3	Farmer	7	4	5.00	Paddy Potato	6qtls 12qtls	0	2	2	45000	

16	Shri.Dmil Kysian	3	2	5	0	Farmer	3	2	2.00	Paddy Potato	4qtls 12qtls	0	3	0	30000	
17	Shri.Lem Stepwar	6	4	10	3	farmer	7	3	1.00	Paddy Potato	4qtls 8qtls	0	0	2	25000	
18	Smti. S. Kharkrang	3	7	10	5	Farmer	5	5	1.00	Paddy Potato	4qtls 12qtls	0	2	0	30000	
19	Smti.N. Kharkrang	7	4	11	6	Farmer	7	5	1.50	Paddy Potato	8qtls 12qtls	0	0	4	60000	
20	Shmti. W. Kurbah	3	2	5	3	Farmer	3	2	1.00	Paddy Potato	7qtls 12qtls	0	2	0	20000	
21	Shri. M.Mawlong	2	1	3	1	Farmer	0	3	1.00	Paddy Potato	8qtls 15qtls	0	0	2	20000	
22	Smti. Dralin Kurbah	2	3	5	0	Farmer	0	4	1.00	Paddy Potato	4qtls 10qtls	0	2	0	60000	
23	Shri.L. Kysian	4	6	10	6	Farmer	5	5	2.00	Paddy Potato	8qtls 10qtls	8	3	2	70000	
24	Smti. Kjek Kurbah	0	1	1	0	Famer	1	0	1.00	Paddy Potato	7qtls 8qtls	0	0	2	4000	
25	Smti. Mij Nongsiej	2	3	5	2	Farmer	2	3	0.50	Paddy Potato	7qtls 8qtls	0	0	0	20000	
26	Smti. Aisralin Nongsiej	0	3	3	2	farmer	0	3	0.50	Paddy Potato	10qtls 12qtls	0	0	0	15000	
27	Smti. Marialda Mawlong	5	3	8	5	Farmer	4	4	1.50	Paddy Potato	7qtls 12qtls	0	4	0	40000	
28	Smti. Mistella Mawlong	0	1	1	0	farmer	0	1	2.00	Paddy Potato	6qtls 12qtls	0	0	0	15000	
29	Smti.Merbit Mawlong	2	2	4	0	farmer	2	2	2.00	Paddy Potato	4qtls 12qtls	0	2	0	40000	
30	Smti.Yudalis Mawlong	3	1	4	2	farmer	1	3	1.00	Paddy Potato	4qtls 9qtls	0	0	0	30000	
31	Smti. Mylisdalin Mawlong	2	2	4	2	Farmer	0	4	1.00	Paddy Potato	4qtls 12qtls	0	0	0	20000	
32	Smti. Bhatalin Mawlong	2	1	3	1	Farmer	0	3	1.00	Paddy Potato	8qtls 12qtls	0	0	0	20000	
33	Smti. Drip Mawlong	3	4	7	4	farmer	3	4	2.00	Paddy Potato	7qtls 12qtls	0	2	2	25000	
34	Smti. Mistina Mawlong	7	4	11	1	Govt-servant	4	7	3.00	Paddy Potato	8qtls 15qtls	0	5	2	85000	
35	Smti. Mirbi Mawlong	3	5	8	1	Farmer	5	3	1.00	Paddy Potato	4qtls 10qtls	0	2	0	30000	

36	Shri.Prolin Kharthangmaw	4	7	11	0	Business	2	9	4.00	Paddy Potato	8qtls 16qtls	0	4	2	75000	
37	Shri. Herbud Nongrum	3	1	4	2	farmer	0	4	2.00	Paddy Potato	7qtls 12qtls	0	3	0	30000	
38	Smti. Aitrolin Mawlong	2	2	4	2	farmer	2	2	2.00	Paddy Potato	10qtls 12qtls	0	0	0	28000	
39	Smti. B. Mawlong	4	5	9	1	farmer	5	4	2.00	Paddy Potato	7qtls 12qtls	0	0	0	29000	
40	Shri.Mun Mawlong	2	2	4	2	Farmer	0	4	1.00	Paddy Potato	6qtls 12qtls	0	0	0	25000	
41	Smti. Dera Nongsiej	3	1	4	2	Farmer	2	2	1.00	Paddy Potato	4qtls 8qtls	0	0	0	20000	
42	Shri.Kitbok Mawlong	3	2	5	2	Farmer	2	3	1.00	Paddy Potato	4qtls 9qtls	0	0	0	20000	
43	Shri.Dmal Shabong	4	1	5	0	Farmer	5	0	0	Paddy Potato	4qtls 12qtls	0	0	0	20000	
44	Smti. Stodian Mawlong	3	3	6	1	farmer	4	2	1.00	Paddy Potato	8qtls 12qtls	0	0	0	18000	
45	Smti. Baiahunlang Mawlong	2	1	3	1	Farmer	0	3	0.50	Paddy Potato	7qtls 12qtls	0	0	0	17000	
46	Smti. Balari Mawlong	1	1	2	0	Govt. servant	0	2	1.00	Paddy Potato	8qtls 15qtls	0	4	0	100000	
47	Smti. Berijah Mawlong	2	3	5	3	farmer	1	4	1.50	Paddy Potato	4qtls 10qtls	0	0	0	30000	
48	Smti.Hiardia Mawlong	2	3	5	0	farmer	4	1	1.00	Paddy Potato	8qtls 10qtls	0	0	0	28000	
49	Smti. Santira Mawlong	1	2	3	1	Farmer	0	3	0.50	Paddy Potato	7qtls 8qtls	0	0	0	20000	
50	Smti. Swian Nongrum	3	3	6	2	Farmer	4	2	1.50	Paddy Potato	10qtls 12qtls	0	0	0	26000	
51	Smti. Klerit Mawlong	5	5	10	2	Farmer	7	3	2.00	Paddy Potato	7qtls 12qtls	0	2	0	45000	
52	Shri. Sawir Kyrlian	3	4	7	0	Farmer	4	3	2.50	Paddy Potato	6qtls 12qtls	0	0	0	43000	
53	Shri. Hortli Kurbah	4	5	9	3	Business	3	6	4.50	Paddy Potato	4qtls 12qtls	2	0	2	90000	
54	Smti. Arai Kyrlian	4	1	5	1	Farmer	0	5	3.00	Paddy Potato	4qtls 8qtls	0	4	2	60000	

55	Smti. Storiati Kyrlian	2	3	5	0	Farmer	3	2	3.00	Paddy Potato	4qtls 9qtls	0	0	1	38000	
56	Smti. Alme Kyrlian	0	1	1	0	Govt. Servant	0	1	3.00	Paddy Potato	4qtls 12qtls	0	15	1	100000	
57	Smti. Plin Kharthangmaw	2	4	6	2	Farmer	2	4	2.50	Paddy Potato	7qtls 8qtls	0	0	2	40000	
58	Smti. Larisha Kharthangmaw	3	4	7	4	Farmer	2	5	3.00	Paddy Potato	10qtls 12qtls	0	5	2	50000	
59	Shri. Bentipbor Kyrlian	2	1	3	1	Govt. servant	0	3	1.00	Paddy Potato	7qtls 12qtls	0	4	0	70000	
60	Smti. Bilinder Mawlong	3	2	5	2	Farmer	2	3	1.00	Paddy Potato	6qtls 12qtls	0	0	0	30000	
61	Smti. Guldalis Mawlong	0	1	1	0	Farmer	0	1	1.00	Paddy Potato	4qtls 12qtls	0	0	0	28000	
62	Smti. Kyrlian Kyrlian	1	1	2	1	Farmer	0	2	1.00	Paddy Potato	4qtls 8qtls	0	0	0	30000	
63	Smti. Beriwit Kharkrang	3	3	5	2	Farmer	2	3	3.00	Paddy Potato	4qtls 9qtls	0	0	0	45000	
64	Smti. Sian Kharkrang	3	2	5	2	Farmer	2	3	2.00	Paddy Potato	7qtls 13qtls	0	3	0	35000	
65	Smti. Airalin Kyrlian	2	3	5	2	Farmer	2	3	1.00	Paddy Potato	10qtls 12qtls	0	2	0	26000	
66	Smti. Kyntiewlin Kyrlian	2	1	3	1	Farmer	0	3	2.00	Paddy Potato	7qtls 12qtls	0	3	0	40000	
67	Smti. Triler Kyrlian	2	4	6	0	Farmer	4	2	3.50	Paddy Potato	6qtls 12qtls	0	4	2	50000	
68	Smti. Smultender Kharthangmaw	1	1	2	1	Farmer	0	2	0	0	0	0	0	0	20000	
69	Smti. Methran Sawkmie	2	1	3	1	Tailoring	0	3	0	0	0	0	4	2	50000	
		193	189	382								12	91	2		

NAME OF THE VILLAGE – KRANG NONGRUM (Socio economic Survey)

Sl. No	Name of the Head of Family	Nos. of population			Total nos. of child below 12yrs both female and male out of col.5	Occupation	Literacy		Land holding area in ha/house hold	Name of crops grown	Average yield of each crop in Kg/ha	Livestock in nos.			Total income of each family per anum(Rs)	Remarks
		Male	Female	Total			Illiterate	Literate				Cow	Poultry	Piggery		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Smti.Snoret Ryntathiang	2	4	6	3	Farmer	4	2	2.00	Paddy Potato	7qtls 8qtls	0	0	1	14000	
2	Shri.Roting Mawlong	5	5	10	7	Farmer	8	2	1.50	Paddy Potato	10qtls 12qtls	0	2	1	15000	
3	Smti.Medrasibon Ryntathing	2	3	5	3	Farmer	4	1	1.00	Paddy Potato	7qtls 12qtls	0	2	0	12000	
4	Smti.Triniah Kyrlian	1	3	4	1	Farmer	3	1	0.50	Paddy Potato	6qtls 12qtls	0	2	1	10000	
5	Shri.Wotborlin Mawlong	2	1	3	0	Farmer	1	2	0.50	Paddy Potato	4qtls 12qtls	0	3	1	12000	
6	Smti.Edbet Mawlong	4	3	7	5	farmer	7	0	0.50	Paddy Potato	4qtls 8qtls	0	2	1	10000	
7	Smti.Hona Kyrlian	1	4	5	2	farmer	3	2	2.00	Paddy Potato	4qtls 9qtls	0	0	2	14000	
8	Smti.Aina Kyrlian	2	1	3	0	farmer	2	1	1.50	Paddy Potato	4qtls 12qtls	0	2	0	11000	
9	Smti.Hundalin Ryntathiang	1	2	3	2	Farmer	2	1	0.50	Paddy Potato	8qtls 12qtls	0	0	0	10000	
10	Smti.Herwit Dohdong	4	3	7	5	Farmer	6	1	0.50	Paddy Potato	7qtls 12qtls	0	2	1	11000	
11	Shri.Hopring Kurbah	5	6	11	5	Farmer	8	3	1.50	Paddy Potato	8qtls 15qtls	0	0	1	13000	
12	Shri.Pher Kharthangmaw	2	1	3	1	Farmer	2	1	1.00	Paddy Potato	4qtls 10qtls	0	2	0	12000	
13	Smti.Shamtilin Kyrlian	2	1	3	1	Farmer	3	0	0.50	Paddy Potato	8qtls 10qtls	0	0	0	10000	
14	Smti.Hershon Marbaniang	3	4	7	3	Teacher	1	6	0.50	0	0	0	4	0	24000	

15	Smti.Likshor Mawlong	5	4	9	3	Farmer	7	2	1.50	Paddy Potato	9qtls 16qtls	0	0	1	14000	
16	Smti.Bantilin Ryntathiang	1	1	2	0	Farmer	0	2	0.50	Paddy Potato	4qtls 6qtls	0	0	0	10000	
17	Smti.Biaka Ryntathiang	2	2	4	2	farmer	4	0	0.50	Paddy Potato	7qtls 10qtls	0	2	0	10000	
18	Shri.Drostring Kharthangmaw	6	3	9	3	Farmer	8	1	1.50	Paddy Potato	8qtls 12qtls	0	3	1	13000	
19	Shri.Drek Kurbah	3	1	4	0	Farmer	0	4	0.50	Paddy Potato	5qtls 9qtls	0	0	1	10000	
20	Shri.Tral Mawlong	2	3	5	3	Farmer	5	0	0.50	Paddy Potato	4qtls 6qtls	0	0	0	11000	
21	Shri.Lebarson Dohtdong	3	1	4	3	Farmer	4	0	1.00	Paddy Potato	4qtls 7qtls	0	2	0	13000	
22	Shri.Treikot Ryntathiang	4	3	7	4	Farmer	5	2	0.50	Paddy Potato	5qtls 12qtls	0	0	2	15000	
23	Smti.Mesta Kysian	6	2	8	3	Farmer	4	4	2.50	Paddy Potato	5qtls 10qtls	0	4	1	20000	
24	Smti.Janta Kharmuti	6	3	9	0	Famer	7	2	0.50	Paddy Potato	4qtls 10qtls	0	0	1	12000	
25	Smti.Sibanti Kysian	2	1	3	1	Farmer	2	1	0.50	Paddy Potato	5qtls 7qtls	0	0	0	10000	
26	Shri.Drot Kurbah	3	5	8	0	farmer	5	3	1.50	Paddy Potato	5qtls 11qtls	0	4	1	14000	
27	Smti.Aisirabon Ryntathiang	1	1	2	0	Farmer	1	1	0.50	0	0	0	0	0	10000	
28	Smti.Elita Ryntathiang	1	2	3	0	farmer	1	2	2.00	Paddy Potato	5qtls 7qtls	0	0	1	14000	
29	Smti.Broda Kysian	2	2	4	0	farmer	3	1	0.50	Paddy Potato	3qtls 8qtls	0	2	0	10000	
30	Shri.Starbor Mawlong	4	3	7	4	farmer	6	1	0.50	Paddy Potato	4qtls 9qtls	0	3	1	12000	
31	Smti.Drur Kurbah	1	7	8	0	Farmer	6	2	2.00	Paddy Potato	8qtls 12qtls	0	0	1	13000	
32	Smti.Phrul Kysian	2	2	4	0	Farmer	4	0	1.50	Paddy Potato	8qtls 12qtls	0	0	1	12000	
33	Smti.Ridaris Kysian	2	1	3	1	farmer	3	0	0.50	0	0	0	0	0	10000	
34	Smti.Meskella Ryntathiang	5	1	6	4	Farmer	5	1	0.80	Paddy Potato	5qts 9qtls	0	2	1	14000	

35	Shri.Kestar Nongrang	6	4	10	6	Farmer	8	2	1.50	Paddy Potato	8qtls 15qtls	0	4	1	13000	
36	Smti.Krolian Ryntathiang	0	1	1	0	Farmer	1	0	0.50	Paddy Potato	3qtls 8qtls	0	0	1	10000	
37	Smti.Risjailin KYrsian	4	1	5	3	farmer	3	2	0.50	Paddy Potato	3qtls 7qtls	0	0	0	10000	
38	Smti.Lakyntiew Kysian	1	2	3	1	farmer	2	1	0	0	0	0	0	0	10000	
39	Shri.Pristam Kharkrang	5	2	7	5	farmer	5	2	1.50	Paddy Potato	8qtls 15qtls	0	5	1	14000	
40	Shri.Kyod Dohtdong	1	2	3	0	Farmer	2	1	1.50	Paddy Potato	8qtls 15qtls	0	3	1	14000	
41	Shri.Ristarsing Dohtdong	1	1	2	0	Farmer	2	0	0.50	Paddy Potato	5qtls 7qtls	0	0	0	14000	
42	Shri.Stainbor Kharthangmaw	5	4	9	1	Farmer	6	3	1.00	Paddy Potato	7qtls 14qtls	0	0	0	12000	
43	Smti.Teirilang Dohtdong	2	2	4	2	Farmer	3	1	0.50	Paddy Potato	5qtls 8qtls	0	0	0	14000	
44	Shri.Wanbor Nongrum	2	5	7	4	farmer	6	1	0.50	Paddy Potato	4qtls 7qtls	0	0	0	11000	
45	Shri.Khrensing Kharbuki	3	3	6	3	Govt. servant	3	3	0.50	Paddy Potato	4qtls 6qtls	0	0	1	40000	
46	Smti.Risukjai Dohtdong	1	1	2	0	Farmer	2	0	0.50	Paddy Potato	4qtls 6qtls	0	0	0	10000	
47	Shri. Pring Kharkrang	2	6	8	4	farmer	7	1	1.00	Paddy Potato	8qtls 15qtls	0	0	1	14000	
48	Smti.Trilian Dohtdong	1	2	3	0	farmer	3	0	1.00	Paddy Potato	8qtls 12qtls	0	2	1	10000	
49	Smti.Ribialis Dohtdong	5	6	11	7	Farmer	8	3	2.00	Paddy Potato	8qtls 14qtls	0	0	0	15000	
50	Shri.Working Kharkrang	4	2	6	2	Farmer	5	1	0.60	Paddy Potato	6qtls 12qtls	0	2	0	10000	
51	Smti.Shrolin Mawlong	2	3	5	2	Farmer	4	1	0.80	Paddy Potato	4qtls 9qtls	0	0	0	11000	
52	Smti.Aisiful Nongrang	1	2	3	1	Farmer	3	0	0.50	Paddy Potato	4qtls 8qtls	0	0	0	10000	
53	Shri.Morbit Mawlong	0	7	7	3	Farmer	5	2	0.50	Paddy Potato	5qtls 7qtls	0	0	0	10000	
54	Smti.Ibashisha Mawlong	1	1	2	0	Farmer	0	2	0.50	Paddy Potato	5qtls 7qtls	0	0	0	10000	

55	Shri.Draining Khyllait	2	2	4	2	Farmer	3	1	0.50	Paddy Potato	5qtls 7qtls	0	0	0	11000	
56	Shri.Harel Mawnai	2	1	3	0	Farmer	2	1	1.50	Paddy Potato	6qtls 11qtls	0	2	0	12000	
57	Smti.Ridalin Mawlong	1	2	3	1	Farmer	2	1	0.50	Paddy Potato	5qtls 7qtls	0	2	1	11000	
58	Smti.Rilian Mawlong	2	4	6	1	Farmer	5	1	1.00	Paddy Potato	8qtls 15qtls	0	0	0	11000	
59	Smti.Spirda Mawlong	1	1	2	1	Farmer	2	0	0.50	Paddy Potato	5qtls 8qtls	0	0	0	10000	
60	Smti.Risa Mawlong	2	4	6	4	Farmer	6	0	2.00	Paddy Potato	9qtls 16qtls	0	0	0	10000	
61	Smti.Shishalin Mawlong	4	4	8	2	Farmer	4	4	0.50	Paddy Potato	5qtls 7qtls	0	0	1	12000	
62	Smti.Bluda Mawlong	2	1	3	1	Farmer	3	0	0.50	Paddy Potato	5qtls 7qtls	0	2	0	10000	
63	Shri.Dran Kharkrang	1	2	3	1	Farmer	3	0	0.50	Paddy Potato	5qtls 7qtls	0	0	0	11000	
64	Smti.Dalin Mawlong	1	3	4	2	Farmer	4	0	0.50	Paddy Potato	4qtls 7qtls	0	1	1	10000	
65	Smti.slian Mawlong	2	1	3	0	Farmer	3	3	1.50	Paddy Potato	6qtls 13qtls	0	0	0	13000	
66	Smti.Ephresia Mawlong	2	1	3	2	Farmer	3	0	0.50	Paddy Potato	5qtls 7qtls	0	0	0	10000	
67	Smti.Kwitsira Ryntathiang	3	1	4	3	Farmer	3	1	0.50	Paddy Potato	5qtls 7qtls	0	0	0	10000	
68	Smti.Slindalin Khongsit	3	8	11	4	Farmer	5	6	2.50	Paddy Potato	8qtls 19qtls	0	3	0	30000	
69	Smti.Kandaman Roi Kyrlian	1	3	4	2	Farmer	0	4	3.00	Paddy Potato	9qtls 25qtls	0	2	0	25000	
70	Smti.Ioris Kyrlian	4	4	8	2	Farmer	5	3	5.00	Paddy Potato	15qtls 27qtls	0	2	0	40000	
71	Smti.Crisfully Kyrlian	1	1	2	1	Farmer	0	2	1.50	Paddy Potato	5qtls 11qtls	0	0	0	15000	
72	Smti.Aidaplang Nongrum	1	3	4	2	Farmer	0	4	1.50	Paddy Potato	7qtls 13qtls	0	0	0	15000	
73	Smti.Robida Nongrum	4	5	9	4	Farmer	5	4	1.50	Paddy Potato	7qtls 13qtls	0	0	0	20000	
74	Smti.Storit Nongrum	4	3	8	2	Farmer	5	3	3.00	Paddy Potato	12qtls 18qtls	0	2	1	30000	

75	Smti.Siantina Nongrum	1	1	2	0	Farmer	0	2	1.50	Paddy Potato	7qtls 13qtls	0	0	0	20000	
76	Smti.Sholin Kurbah	2	3	5	0	Farmer	5	0	0.50	Paddy Potato	3qtls 7qtls	0	0	0	15000	
77	Smti.Thaislimai Kurbah	3	3	6	3	Farmer	3	3	0.50	Paddy Potato	7qtls 13qtls	0	0	0	10000	
78	Smti.Jan Mawlong	3	3	6	2	Farmer	4	2	1.00	Paddy Potato	7qtls 15qtls	0	0	0	10000	
79	Smti.Thmilda Mawlong	1	4	5	4	Farmer	1	4	0.50	Paddy Potato	7qtls 13qtls	0	0	0	10000	
80	Smti.Riwan Kysian	3	1	4	2	Farmer	0	4	1.00	Paddy Potato	7qtls 17qtls	0	0	0	12000	
81	Smti.Morsori Nongrum	0	3	3	1	Farmer	0	3	1.50	Paddy Potato	9qtls 19qtls	0	0	1	12000	
82	Smti.Lashil Kysian	4	3	7	0	Farmer	4	3	2.50	Paddy Potato	8qtls 23qtls	0	0	0	30000	
83	Smti.Brim K.thangmaw	3	3	6	0	Farmer	3	3	3.00	Paddy Potato	12qtls 23qtls	0	0	0	20000	
84	Smti.Slibon Kysian	4	4	8	2	Farmer	3	5	4.00	Paddy Potato	17qtls 25qtls	0	0	2	40000	
85	Smti.Nistibar Khongsit	1	2	3	0	Farmer	1	2	1.50	Paddy Potato	7qtls 13qtls	0	0	1	20000	
86	Smti.Dil Kysian	3	2	5	3	Farmer	2	3	2.50	Paddy Potato	7qtls 23qtls	0	0	1	25000	
87	Smti.Ioria Kysian	3	3	6	1	Farmer	3	3	3.00	Paddy Potato	10qtls 23qtls	0	0	1	25000	
88	Smti.Storit Kysian	3	4	7	0	Farmer`	4	3	2.50	Paddy Potato	7qtls 23qtls	0	4	0	40000	
89	Smti.Lidia Kysian	3	4	7	0	Farmer	4	3	1.50	Paddy Potato	7qtls 13qtls	0	0	2	30000	
90	Smti.Robilan Kysian	4	2	6	4	Farmer	2	4	2.00	Paddy Potato	9qtls 15qtls	0	0	0	30000	
91	Smti.Noriion Kysian	2	3	5	1	Farmer	3	2	2.00	Paddy Potato	9qtls 14qtls	0	0	2	30000	
92	Smti.Stola Kysian	6	4	10	4	Farmer	4	6	3.00	Paddy Potato	10qtls 23qtls	0	0	0	25000	
93	Smti.Spius Kysian	1	3	4	1	Farmer	0	4	4.00	Paddy Potato	10qtls 28qtls	0	0	2	30000	
94	Smti.Merimit K.Thangmaw	2	3	5	2	Farmer	3	2	0.50	Paddy Potato	5qtls 8qtls	0	0	4	80000	

95	Smti.Sormiah K.Thangmaw	3	5	8	2	Farmer	5	3	3.00	Paddy Potato	11qtls 23qtls	0	4	2	50000	
96	Smti.Aitimay Ryntathiang	5	5	10	3	Farmer	4	6	4.00	Paddy Potato	10qtls 28qtls	0	4	2	60000	
97	Smti.Tlimon Ryntathiang	0	2	2	0	Farmer	0	2	4.00	Paddy Potato	9qtls 25qtls	0	0	0	20000	
98	Smti.Heriia Ryntathiang	3	3	6	4	Farmer	2	4	1.50	Paddy Potato	7qtls 13qtls	0	0	0	25000	
99	Smti.Mistilin Ryntathiang	3	3	6	3	Farmer	2	4	3.00	Paddy Potato	8qtls 18qtls	0	0	0	15000	
100	Smti.Sweda Kyrlian	4	4	8	3	Farmer	4	4	1.50	Paddy Potato	9qtls 17qtls	0	0	0	20000	
101	Smti.Mertilin Kyrlian	0	2	2	1	Farmer	0	2	2.50	Paddy Potato	7qtls 21qtls	0	0	0	20000	
102	Smti.Joyfully Mawlong	2	2	4	3	Farmer	0	4	3.00	Paddy Potato	7qtls 18qtls	0	0	0	20000	
103	Smti.Aitihun Kyrlian	0	2	2	1	Farmer	0	2	2.50	Paddy Potato	10qtls 16qtls	0	0	0	20000	
104	Shri.Kephlat Kyrlian	5	3	8	2	Farmer	5	3	2.50	Paddy Potato	9qtls 25qtls	0	0	2	40000	
105	Smti.Horini Mawlong	7	6	13	5	Farmer	11	2	4.00	Paddy Potato	12qtls 32qtls	0	0	2	55000	
106	Smti.Binolin Mawlong	3	2	5	2	Farmer	5	0	1.00	Paddy Potato	7qtls 13qtls	0	0	0	12000	
107	Shri.Shaibor Mawlong	4	5	6	1	Farmer	5	4	1.50	Paddy Potato	9qtls 18qtls	0	0	2	45000	
108	Smti.Elibon Mawlong	3	4	7	1	Farmer	7	0	4.00	Paddy Potato	17qtls 28qtls	0	6	0	50000	
109	Smti.Praimon Mawlong	5	1	6	3	Farmer	5	1	5.00	Paddy Potato	17qtls 33qtls	0	3	2	60000	
110	Shri.Selestine Marwein	3	3	6	2	Farmer	4	2	2.50	Paddy Potato	12qtls 28qtls	0	4	3	60000	
111	Shri.Lesimon Mawlong	4	2	5	1	Farmer	4	2	5.00	Paddy Potato	17qtls 35qtls	2	7	3	70000	
112	Smti.Trída Nongrum	1	3	4	1	Govt. servant	3	1	3.00	Paddy Potato	12qtls 25qtls	0	6	0	150000	
113	Smti.Buhmon Mawlong	2	4	6	1	Farmer	5	1	5.50	Paddy Potato	17qtls 33qtls	0	4	0	60000	
114	Smti.Merimon Mawlong	3	3	6	0	Farmer	6	0	3.00	Paddy Potato	11qtls 23qtls	1	4	0	50000	

115	Shri.Kwet Marngar	6	5	11	2	Farmer	10	1	3.50	Paddy Potato	11qtls 32qtls	0	2	2	55000	
116	Smti.Stirian Nongrum	1	4	5	0	Farmer	5	0	1.50	Paddy Potato	5qtls 21qtls	0	0	0	30000	
117	Smti.Sbira Kharthangmaw	1	4	5	2	Farmer	5	0	3.00	Paddy Potato	11qtls 19qtls	0	4	0	35000	
118	Smti.Hosrian Kharthangmaw	2	4	6	2	Farmer	6	0	3.00	Paddy Potato	11qtls 25qtls	0	0	2	40000	
119	Shri.Roning Mawlong	3	3	6	3	Farmer	6	0	1.00	Paddy Potato	10qtls 23qtls	0	5	0	45000	
120	Smti.Ainolin Mawlong	4	1	5	2	Farmer	5	0	1.50	Paddy Potato	5qtls 20qtls	0	0	0	25000	
121	Smti.Aibel Mawlong	3	2	5	3	Farmer	5	0	1.00	Paddy Potato	5qtls 19qtls	0	0	0	20000	
122	Smti.Korbon Mawlong	5	3	8	2	Govt. servant	7	1	3.00	Paddy Potato	11qtls 23qtls	0	0	0	120000	
123	Shri.Sottisson Dohdong	2	2	4	2	Farmer	4	0	1.50	Paddy Potato	5qtls 19qtls	0	0	0	20000	
		326	384	710								3	106	43		

NAME OF THE VILLAGE – PHUDMYRDONG (socio economic survey)

Sl. No	Name of the Head of Family	Nos. of population			Total nos. of child below 12yrs both female and male out of col.5	Occupation	Literacy		Land holding area in ha/household	Name of crops grown	Average yield of each crop in Kg/ha	Livestock in nos.			Total income of each family per anum(Rs)	Remarks
		Male	Female	Total			Illiterate	Literate				Cow	Poultry	Piggery		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Shri.Tral Lyngdoh	1	6	7	4	farmer	3	4	1.30	Paddy Potato	4qtls 12qtls	0	0	0	14000	
2	Shri.Lightstar Sun	2	1	3	1	farmer	1	2	1.35	Paddy Potato	8qtls 12qtls	0	0	0	14000	
3	Shri.Bring Sun	2	1	3	0	farmer	0	3	1.35	Paddy Potato	7qtls 12qtls	0	0	0	12000	
4	Smti.Dioris Kurbah	3	2	5	3	farmer	1	4	1.20	Paddy Potato	8qtls 15qtls	0	0	0	16000	
5	Shri.Komstar Nongdhar	1	2	3	1	farmer	1	2	1.15	Paddy Potato	4qtls 10qtls	0	0	2	18000	
6	Shri.Tanbor Nongdhar	1	2	3	1	farmer	1	2	1.15	Paddy Potato	8qtls 10qtls	0	0	0	12000	
7	Shri.Wenis Kurbah	3	2	5	1	farmer	0	5	1.30	Paddy Potato	7qtls 8qtls	0	0	0	13000	
8	Mti.Shelda Kurbah	3	1	4	2	farmer	1	3	1.35	Paddy Potato	7qtls 8qtls	0	0	0	13000	
9	Shri.Raplang Sun	1	1	2	0	farmer	0	2	1.25	Paddy Potato	10qtls 12qtls	0	0	0	14000	
10	Shri.Shngainbor lang Sun	3	2	5	3	farmer	2	3	1.36	Paddy Potato	7qtls 12qtls	0	0	0	12000	
11	Shri.Kones Syiemiong	2	3	5	3	farmer	2	3	1.20	Paddy Potato	6qtls 12qtls	0	0	0	13000	
12	Shri.Slerin Kurbah	1	2	3	2	farmer	0	3	1.19	Paddy Potato	4qtls 12qtls	0	0	0	13000	
13	Shri.Pailang Syiemiong	1	2	3	1	farmer	1	2	1.05	Paddy Potato	4qtls 9qtls	0	0	1	18000	
14	Shri.Skelfast Kurbah	4	2	6	2	farmer	1	2	1.20	Paddy Potato	4qtls 12qtls	0	0	0	16000	

15	Shri.Baminot Kurbah	3	2	5	1	Teacher	1	4	0.95	Paddy Potato	8qtls 12qtls	0	0	2	18000	
16	Shri.Phlos Khaphuli	6	4	10	1	farmer	0	10	1.15	Paddy Potato	7qtls 12qtls	10	3	2	20000	
17	Shri.Tresstar Kurbah	2	2	4	2	farmer	1	3	1.07	Paddy Potato	8qtls 15qtls	0	0	2	20000	
18	Shri.Bristone Kharsati	4	4	8	3	Farmer	2	6	1.05	Paddy Potato	4qtls 12qtls	2	2	0	25000	
19	Shri.Wonding Mawlong	4	3	7	3	farmer	3	4	1.06	Paddy Potato	8qtls 12qtls	0	0	4	50000	
20	Shri.Bormen Kharsyntiew	3	4	7	3	farmer	2	5	1.20	Paddy Potato	7qtls 12qtls	0	0	1	18000	
21	Shri.Shottering Khaphuli	2	3	5	3	farmer	2	3	1.20	Paddy Potato	8qtls 15qtls	0	0	0	14000	
22	Shri.Pran Khaphuli	2	3	5	1	farmer	1	4	1.00	Paddy Potato	4qtls 10qtls	0	0	1	15000	
23	Smti.Kisdalin Sun	2	1	3	1	Business	1	2	0.95	Paddy Potato	8qtls 10qtls	0	0	1	14000	
24	Shri.Spanly Kurbah	2	3	5	2	farmer	3	2	1.20	Paddy Potato	7qtls 8qtls	0	0	2	15000	
25	Shri.Phiios Langstieh	4	4	8	3	farmer	2	6	1.17	Paddy Potato	7qtls 8qtls	0	3	2	16000	
26	Shri.Obrel Sun	1	0	1	0	farmer	0	0	1.15	Paddy Potato	10qtls 12qtls	0	0	3	18000	
27	Shri.Alminus Kurbah	4	3	7	4	farmer	2	5	1.21	Paddy Potato	7qtls 12qtls	0	0	6	18000	
28	Shri.Orel Kurbah	3	3	6	2	farmer	0	6	1.17	Paddy Potato	6qtls 12qtls	0	0	3	18000	
29	Shri.Phlostar Khaphuli	4	4	8	2	farmer	3	5	0.95	Paddy Potato	4qtls 12qtls	0	0	0	36000	
30	Smti.Linda Khongsit	3	3	6	2	farmer	0	6	1.20	Paddy Potato	4qtls 9qtls	0	0	4	30000	
31	Smti.Aidis Khongsit	2	4	6	3	farmer	2	4	1.15	Paddy Potato	4qtls 12qtls	0	0	3	18000	
32	Smti.Regina Khongsit	2	1	3	1	farmer	1	2	1.10	Paddy Potato	8qtls 12qtls	0	0	0	25000	
33	Smti.Kristina Khongsit	2	1	3	1	farmer	1	2	0.95	Paddy Potato	7qtls 12qtls	0	0	0	20000	
34	Smti.Skira Khongsit	1	2	3	1	farmer	1	2	1.15	Paddy Potato	8qtls 15qtls	0	0	0	16000	

35	Smti.Drit Kurbah	1	2	3	0	farmer	0	3	1.10	Paddy Potato	4qtls 10qtls	0	0	0	50000	
36	Shri.Kolin Khongsit	5	3	8	3	farmer	2	6	1.15	Paddy Potato	8qtls 16qtls	0	4	3	74000	
37	Smti.Shelter Khongsit	1	2	1	1	farmer	0	2	1.07	Paddy Potato	7qtls 12qtls	0	0	0	18000	
38	Shri.Dominik Langstieh	5	3	8	1	farmer	3	5	1.25	Paddy Potato	10qtls 12qtls	0	3	0	16000	
39	Shri.Ainistar Kharkrang	2	1	3	1	farmer	1	2	1.10	Paddy Potato	7qtls 12qtls	0	0	2	18000	
40	Shri.Robinstar Kharkrang	2	1	3	1	farmer	1	2	1.35	Paddy Potato	6qtls 12qtls	0	0	2	18000	
41	Shri.Phlan Kurbah	1	1	2	0	farmer	0	2	1.10	Paddy Potato	4qtls 12qtls	0	2	0	19000	
42	Shri.Wanbor Kharkrang	3	3	6	4	Teacher	2	4	1.10	Paddy Potato	8qtls 12qtls	0	0	0	21000	
43	Smti.Markwis Kharkrang	3	3	6	3	farmer	0	6	1.20	Paddy Potato	7qtls 12qtls	0	0	2	30000	
44	Shri.Laibor Kharphuli	3	5	8	4	farmer	3	5	1.16	Paddy Potato	8qtls 15qtls	0	3	4	60000	
45	Smti.Kleri Kharkrang	2	3	5	3	Business	2	3	1.20	Paddy Potato	4qtls 10qtls	0	0	0	18000	
46	Shri.Bokshai Kharphuli	2	2	4	2	farmer	2	2	1.04	Paddy Potato	8qtls 10qtls	0	0	1	18000	
47	Shri.Nangstar Khyriem	3	3	6	4	farmer	3	3	1.30	Paddy Potato	7qtls 8qtls	0	0	0	20000	
48	Shri.Arkles Kharkrang	3	3	6	3	farmer	2	4	1.03	Paddy Potato	7qtls 8qtls	0	0	0	20000	
49	Shri.Shemphang Thabah	4	2	6	4	farmer	2	4	1.20	Paddy Potato	10qtls 12qtls	0	0	0	18000	
50	Shri.Patrick Sun	4	2	6	3	farmer	2	4	1.11	Paddy Potato	7qtls 12qtls	0	3	0	30000	
51	Shri.Khrak Khyriem	2	4	2	2	farmer	0	2	1.05	Paddy Potato	6qtls 12qtls	0	0	0	20000	
52	Shri.Bornik MMarbaniang	4	3	7	0	farmer	1	6	1.23	Paddy Potato	4qtls 12qtls	0	0	0	18000	
53	Shri.Phransar Thabah	4	3	7	3	farmer	2	5	1.22	Paddy Potato	4qtls 9qtls	0	0	0	16000	
54	Shri.Sing Kharphuli	2	2	4	2	farmer	2	2	1.06	Paddy Potato	4qtls 12qtls	0	0	0	18000	

55	Smti.Bahun Khongsit	2	1	3	1	farmer	1	2	1.10	Paddy Potato	8qtls 12qtls	0	0	1	16000	
56	Smti.Jai Jai Khongsit	1	1	2	0	teacher	0	2	1.10	Paddy Potato	7qtls 12qtls	0	0	2	16000	
57	Shri.Kyrshan Langstieh	2	2	4	2	farmer	2	2	1.12	Paddy Potato	8qtls 15qtls	0	0	2	23000	
58	Shri.Lidon Thabah	3	4	7	4	farmer	3	4	1.06	Paddy Potato	4qtls 10qtls	0	0	0	25000	
59	Shri.Koman Kharphuli	3	4	7	4	farmer	2	5	1.18	Paddy Potato	8qtls 16qtls	0	0	0	25000	
60	Shri.Kim Khyriem	5	2	7	3	farmer	3	4	1.12	Paddy Potato	7qtls 12qtls	0	0	2	20000	
61	Shri.Jeo Langstieh	3	2	5	3	Farmer	2	3	1.17	Paddy Potato	10qtls 12qtls	0	0	0	14000	
62	Shri.Khain Pathaw	2	3	5	1	farmer	1	4	1.30	Paddy Potato	7qtls 12qtls	0	0	1	14000	
63	Shri.Mukshon Kurbah	1	1	2	0	Farmer	0	2	1.10	Paddy Potato	6qtls 12qtls	0	0	2	16000	
64	Smti.Tmis Kurbah	0	1	1	0	farmer	0	1	1.04	Paddy Potato	4qtls 12qtls		0	1	14000	
65	Shri.Lanstar Janong	1	2	3	1	Teacher	1	2	1.22	Paddy Potato	8qtls 12qtls	0	0	1	20000	
66	Shri.Alesbaster Sun	2	2	4	1	farmer	0	4	1.08	Paddy Potato	7qtls 12qtls	0	5	3	50000	
67	Shri.Skil Kharngi	4	2	6	0	farmer	0	6	1.12	Paddy Potato	8qtls 15qtls	0	4	2	35000	
68	Shri.Hestar Nongdhar	3	3	6	3	farmer	2	4	1.15	Paddy Potato	4qtls 10qtls	0	3	4	30000	
69	Shri.Wandor Kharphuli	4	3	7	2	farmer	1	6	1.09	Paddy Potato	8qtls 10qtls	0	3	0	40000	
70	Shri.Kephas Khongsit	3	3	6	4	farmer	2	4	1.06	Paddy Potato	7qtls 8qtls	0	3	0	35000	
71	Shri.Phinebor Khyriem	2	2	4	2	farmer	2	2	1.05	Paddy Potato	7qtls 8qtls	0	0	0	18000	
72	Shri.Dashbool Khongsit	1	3	4	2	farmer	2	2	1.20	Paddy Potato	10qtls 12qtls	0	0	0	18000	
73	Shri Kras Kharphuli	1	3	4	2	farmer	2	2	1.10	Paddy Potato	7qtls 12qtls	0	0	2	18000	
74	Shri.D.Nongdhar	2	1	3	1	farmer	1	2	1.14	Paddy Potato	6qtls 12qtls	0	0	1	16000	

75	Shri.Dekos Warjri	1	2	3	1	farmer	1	2	1.10	Paddy Potato	4qtls 12qtls	0	0	1	14000	
76	Shri.Dras Marbaniang	4	2	6	2	farmer	1	5	1.10	Paddy Potato	4qtls 9qtls	0	2	0	16000	
77	Shri.Swal Janong	4	3	7	2	farmer	0	7	1.25	Paddy Potato	4qtls 12qtls	0	4	3	38000	
78	Shri.Shur Sun	1	3	4	2	farmer	2	2	1.38	Paddy Potato	8qtls 12qtls	0	0	2	18000	
79	Shri.Pailang Syiemiong	2	2	4	2	Teacher	2	2	1.10	Paddy Potato	7qtls 12qtls	0	0	1	15000	
80	Shri.Slan Thabah	5	3	8	3	Business	2	6	1.10	Paddy Potato	8qtls 15qtls	0	3	4	30000	
81	Smti.Issilian Langstieh	5	3	8	2	farmer	2	6	1.23	Paddy Potato	4qtls 10qtls	0	0	0	16000	
82	Shri.Kwanstar Kharphuli	3	3	6	4	farmer	3	3	1.00	Paddy Potato	8qtls 16qtls	0	0	0	16000	
83	Shri.Kopal Kumar Bora	3	2	5	3	farmer	2	3	1.15	Paddy Potato	7qtls 12qtls	0	0	0	16000	
84	Shri.Eswor Nongsiej	3	3	6	3	Teacher	2	4	1.25	Paddy Potato	10qtls 12qtls	0	0	0	16000	
85	Shri.Livingstone Kharphuli	3	3	6	4	farmer	2	4	1.10	Paddy Potato	7qtls 12qtls	0	0	2	22000	
86	Shri.Dwanstar Kharphuli	3	3	6	3	farmer	3	3	1.20	Paddy Potato	6qtls 12qtls	0	0	0	20000	
87	Shri.Charles Thabah	5	3	8	4	farmer	3	5	1.00	Paddy Potato	4qtls 12qtls	0	0	0	20000	
88	Smti.Joyful Langstieh	0	2	2	0	farmer	0	2	1.30	Paddy Potato	4qtls 12qtls	0	0	0	13000	
89	Shri.Duncan Raoy Kharphuli	2	2	4	2	farmer	1	3	1.35	Paddy Potato	8qtls 12qtls	0	2	2	30000	
90	Smti.Tilda Langstieh	3	2	5	0	farmer	0	5	1.35	Paddy Potato	7qtls 12qtls	0	2	2	25000	
91	Shri.Yud Langstieh	1	0	1	1	farmer	0	0	1.00	Paddy Potato	8qtls 15qtls	0	0	2	18000	
92	Shri.Phaskud Kurbah	2	1	3	1	farmer	1	2	1.15	Paddy Potato	4qtls 10qtls	0	0	3	20000	
93	Shri.Tyngshain Kharphuli	3	1	4	2	farmer	2	2	1.15	Paddy Potato	8qtls 10qtls	0	0	1	18000	
94	Shri.Swel Janong	1	2	3	0	farmer	1	2	1.30	Paddy Potato	7qtls 8qtls	0	0	2	19000	
95	Shri.Phlar Kurbah	3	3	6	3	farmer	3	3	1.35	Paddy Potato	7qtls 8qtls	0	0	0	16000	

96	Shri.Hamstar Warjri	3	6	9	5	farmer	4	5	1.25	Paddy Potato	10qtls 12qtls	0	4	0	30000	
97	Shri.Shleibor Kharphuli	2	2	4	2	farmer	2	2	1.20	Paddy Potato	7qtls 12qtls	0	0	0	30000	
98	Shri.Jopsing Nongdhar	3	1	4	0	farmer	0	4	1.20	Paddy Potato	6qtls 12qtls	0	0	0	20000	
99	Shri.Albert Kharphuli	2	2	4	2	farmer	2	2	1.19	Paddy Potato	4qtls 12qtls	0	0	0	20000	
100	Shri.Tlanful Thabah	2	3	5	3	farmer	2	3	1.05	Paddy Potato	4qtls 9qtls	0	0	0	14000	
101	Shri.Lekstar Langstieh	6	3	9	4	farmer	3	6	1.20	Paddy Potato	4qtls 12qtls	0	5	0	15000	
102	Shri.Rangbad Marbaniang	2	3	5	3	Farmer	2	3	0.95	Paddy Potato	8qtls 12qtls	0	0	0	14000	
103	Shri.Wasprin Kharphuli	3	3	6	4	teacher	2	4	1.40	Paddy Potato	7qtls 12qtls	0	0	0	14000	
104	Shri.Phranite Langstieh	2	2	4	1	farmer	3	1	1.30	Paddy Potato	8qtls 15qtls	0	0	0	12000	
105	Shri.Lurshai Nongrang	3	4	7	4	Farmer	2	5	1.20	Paddy Potato	4qtls 10qtls	0	2	0	16000	
106	Smti.Baiaihun Langstieh	1	1	2	0	Farmer	0	2	1.30	Paddy Potato	8qtls 16qtls	0	0	0	12000	
107	Shri.J.Kharmaw - phlang	3	3	6	2	Farmer	2	4	1.06	Paddy Potato	7qtls 12qtls	0	0	0	14500	
108	Shri.Phestar Khongsit	2	2	4	2	Farmer	3	3	1.50	Paddy Potato	10qtls 12qtls	0	0	0	16000	
109	Shri.Makstar Malngiang	3	3	6	2	farmer	3	3	1.20	Paddy Potato	7qtls 12qtls	0	0	0	18000	
110	Shri.Spaiman Lyngdoh	3	4	7	4	farmer	3	4	1.00	Paddy Potato	4qtls 12qtls	0	0	0	20000	
111	Shri.Lambor Khongsit	3	3	6	3	Teacher	2	4	1.10	Paddy Potato	4qtls 12qtls	0	2	0	20000	
112	Shri.Brab Khongsit	2	4	7	2	farmer	1	6	1.20	Paddy Potato	8qtls 12qtls	0	0	1	16000	
113	Shri.Jestar Khongsit	2	2	4	2	farmer	2	2	1.17	Paddy Potato	7qtls 12qtls	0	0	0	15000	
114	Shri.Teibor Thabah	4	2	6	2	farmer	2	4	1.15	Paddy Potato	8qtls 15qtls	0	2	0	18000	
115	Shri.Dening Rani	4	4	8	3	farmer	2	6	1.21	Paddy Potato	4qtls 10qtls	0	4	2	68000	
116	Shri.Phlastar Janong	2	2	4	2	farmer	2	2	1.17	Paddy Potato	8qtls 10qtls	0	0	0	16000	

117	Smti.Phidora Langstieh	1	1	2	0	farmer	0	2	0.95	Paddy Potato	7qtls 8qtls	0	0	0	16000	
118	Shri.J Hynniewta	4	1	5	3	farmer	2	3	1.20	Paddy Potato	7qtls 8qtls	0	0	0	16000	
119	Shri.Sportsing Kharphuli	4	1	5	1	farmer	0	5	1.15	Paddy Potato	10qtls 12qtls	0	3	0	28000	
120	Shri.Honstar Marbaniang	1	2	3	0	Teacher	1	2	1.10	Paddy Potato	7qtls 12qtls	0	0	3	35000	
121	Shri.Arbes Kharphuli	2	2	4	0	farmer	1	3	0.95	Paddy Potato	6qtls 12qtls	0	4	0	68000	
122	Shri.B.Sohtun	2	3	5	0	farmer	2	3	1.15	Paddy Potato	4qtls 12qtls	0	0	1	20000	
123	Shri.Vonsenvius Khongsit	4	3	7	3	Business	0	7	1.10	Paddy Potato	4qtls 9qtls	0	3	2	75000	
124	Shri.Jupsing Kurbah	4	3	7	2	Farmer	2	5	1.15	Paddy Potato	4qtls 12qtls	0	0	2	18000	
125	Shri.Kerles Khongsit	2	2	4	2	farmer	2	2	1.07	Paddy Potato	8qtls 12qtls	0	0	0	20000	
126	Shri.Haiar Nongsiej	1	2	3	1	farmer	1	2	1.25	Paddy Potato	7qtls 12qtls	0	3	0	30000	
127	Shri.Piles Langstieh	2	3	5	2	farmer	2	3	1.10	Paddy Potato	8qtls 15qtls	0	0	0	16000	
128	Shri.Kolas Nongdhar	3	2	5	2	farmer	1	4	1.30	Paddy Potato	4qtls 10qtls	0	0	0	16000	
129	Smti.Janailin Kurbah	2	3	5	2	farmer	0	5	1.35	Paddy Potato	8qtls 16qtls	0	0	0	17000	
130	Smti. Pdik Kurbah	1	4	5	0	farmer	0	5	1.35	Paddy Potato	7qtls 12qtls	0	0	0	18000	
131	Shri.Tanbor Nongdhar	1	2	3	1	farmer	1	2	1.00	Paddy Potato	10qtls 12qtls	0	0	2	16000	
132	Shri.Starboard Lyngdoh	2	3	5	3	Farmer	1	4	1.20	Paddy Potato	7qtls 12qtls	0	0	0	16000	
133	Shri.Shoster Kurbah	1	3	4	2	farmer	2	2	1.15	Paddy Potato	6qtls 12qtls	0	0	0	12000	
	Total	337	326	663								12	83	114		

NAME OF THE VILLAGE – MAWKOHTEP (socio economic survey)

Sl. No	Name of the Head of Family	Nos. of population			Total nos. of child below 12yrs both female and male out of col.5	Occupation	Literacy		Land holding area in ha/household	Name of crops grown	Average yield of each crop in Kg/ha	Livestock in nos.			Total income of each family per anum(Rs)	Remarks
		Male	Female	Total			Illiterate	Literate				Cow	Poultry	Piggery		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Shri.Ioanis Jana	7	3	10	0	farmer	1	9	1.30	Paddy Potato	4qtls 8qtls	2	4	4	20000	
2	Shri.Lurshai Sun	1	4	5	2	farmer	1	3	1.32	Paddy Potato	4qtls 9qtls	0	0	0	15000	
3	Shri.Newyear Lyngdoh	5	2	7	0	farmer	1	6	1.35	Paddy Potato	4qtls 12qtls	0	2	2	15000	
4	Smti.Maria Sun	0	1	1	0	farmer	0	1	1.20	Paddy Potato	8qtls 12qtls	0	3	2	15000	
5	Shri.Arklen Kurbah	2	1	3	0	farmer	0	3	1.05	Paddy Potato	7qtls 12qtls	0	0	2	15000	
6	Smti.Dhin Sun	3	5	8	3	farmer	4	4	1.15	Paddy Potato	8qtls 15qtls	0	2	2	14000	
7	Smti.Tina Kurbah	3	4	7	1	farmer	1	6	1.20	Paddy Potato	4qtls 10qtls	0	0	0	14000	
8	Smti.Sidalin Sun	0	3	3	1	farmer	0	3	1.35	Paddy Potato	8qtls 10qtls	0	0	0	13000	
9	Smti.Sophia Sun	0	1	1	0	farmer	1	0	1.25	Paddy Potato	7qtls 8qtls	0	0	0	12000	
10	Smti.Aiti Sun	2	2	4	0	farmer	1	3	1.25	Paddy Potato	10qtls 12qtls	0	0	0	13000	
11	Shri.Asuk Kharphuli	2	2	4	2	farmer	1	3	1.20	Paddy Potato	7qtls 12qtls	0	0	2	15000	
12	Shri.Lison Marbaniang	3	1	4	2	farmer	1	3	1.19	Paddy Potato	6qtls 12qtls	0	4	2	20000	
13	Shri.Starlang Sun	3	3	6	3	farmer	2	4	1.05	Paddy Potato	4qtls 12qtls	0	3	2	20000	
14	Shri.Koslan Kurbah	4	3	7	3	teacher	1	6	1.10	Paddy Potato	4qtls 8qtls	0	4	0	20000	

15	Shri.Din Shabong	2	3	7	0	farmer	1	6	0.95	Paddy Potato	4qtls 9qtls	0	0	0	20000	
16	Shri.Swik Kurbah	5	4	9	3	farmer	2	7	1.20	Paddy Potato	4qtls 12qtls	0	3	2	20000	
17	Smti.Lakshmi Janong	3	4	7	3	farmer	2	5	1.07	Paddy Potato	4qtls 8qtls	0	0	2	15000	
18	Shri.Kobin Janong	1	0	1	0	Bussiness	0	1	1.15	Paddy Potato	4qtls 12qtls	0	0	2	13000	
19	Shri.Ken Thabah	8	3	11	2	farmer	2	9	1.20	Paddy Potato	8qtls 12qtls	3	4	0	20000	
20	Shri.Aibor Nongbri	5	3	8	3	farmer	3	5	1.20	Paddy Potato	7qtls 12qtls	0	0	0	15000	
21	Smti.Driak Sun	3	2	5	0	farmer	1	4	1.20	Paddy Potato	8qtls 15qtls	0	0	0	15000	
22	Smti.Phral Marbaniang	3	4	7	1	Teacher	1	6	1.10	Paddy Potato	4qtls 10qtls	0	0	0	15000	
23	Shri.Son Kurkalang	1	2	3	1	farmer	1	2	1.00	Paddy Potato	8qtls 10qtls	0	0	0	13000	
24	Shri.April Lapasan	2	1	3	1	farmer	1	2	1.20	Paddy Potato	7qtls 8qtls	0	0	0	11000	
25	Shri.Ram Thapa	3	2	5	0	farmer	2	3	1.10	Paddy Potato	10qtls 12qtls	0	4	2	15000	
26	Smti.Ksan Sun	1	1	2	0	farmer	1	1	1.20	Paddy Potato	7qtls 12qtls	0	0	0	11000	
27	Shri.Donbor Thabah	3	3	6	0	farmer	1	5	1.20	Paddy Potato	6qtls 12qtls	0	0	0	15000	
28	Smti.Skiet Sun	1	1	2	0	farmer	1	1	1.17	Paddy Potato	4qtls 12qtls	0	4	2	15000	
29	Shri.Blik Kurbah	2	5	7	2	farmer	1	6	0.95	Paddy Potato	4qtls 8qtls	0	0	2	18000	
30	Smti.Isilian Sun	3	4	7	1	farmer	1	6	1.20	Paddy Potato	4qtls 9qtls	4	3	2	20000	
31	Shri.Diwon Malngiang	2	2	4	0	farmer	2	2	1.15	Paddy Potato	4qtls 12qtls	0	0	0	15000	
32	Shri.Ricky Dohling	3	1	4	1	Farmer	1	3	1.10	Paddy Potato	7qtls 8qtls	0	0	0	15000	
33	Shri.Jester Sun	2	1	3	0	farmer	2	1	0.95	Paddy Potato	10qtls 12qtls	0	0	0	15000	
34	Shri.Sden Thabah	5	6	11	2	farmer	3	8	1.15	Paddy Potato	7qtls 12qtls	4	5	2	20000	

35	Smti.Amela Sun	4	5	9	1	farmer	2	7	1.10	Paddy Potato	6qtls 12qtls	0	3	2	20000	
36	Smti.Krul Sun	4	5	9	1	farmer	2	7	1.15	Paddy Potato	4qtls 12qtls	2	4	2	20000	
37	Shri.Borning Sun	1	4	5	1	farmer	1	4	1.18	Paddy Potato	4qtls 8qtls	0	0	0	20000	
38	Shri.Klai Kurbah	4	1	5	0	farmer	1	4	1.25	Paddy Potato	4qtls 9qtls	2	3	2	20000	
39	Shri.Phaistar Nongrang	2	3	5	1	farmer	0	5	1.10	Paddy Potato	Paddy Potato	4	8	3	50000	
40	Shri.Slaining Shabong	5	4	9	2	farmer	1	8	1.10	Paddy Potato	4qtls 8qtls	0	3	2	20000	
41	Smti.Triel Sun	5	4	9	2	Farmer	1	8	1.20	Paddy Potato	4qtls 12qtls	4	4	2	30000	
42	Shri.Wilton Rani	2	2	4	1	Business	1	3	1.20	Paddy Potato	8qtls 12qtls	0	0	0	12000	
43	Smti.Krir Khyriem	2	3	5	1	farmer	1	4	1.30	Paddy Potato	7qtls 12qtls	0	0	0	14000	
44	Shri.Denis Ranee	2	4	6	1	farmer	0	6	1.26	Paddy Potato	8qtls 15qtls	0	8	0	15000	
45	Shri.Tangong Ryntathiang	3	1	4	1	farmer	1	3	1.20	Paddy Potato	4qtls 10qtls	0	4	2	15000	
46	Shri.Markos Lyngdoh	3	2	5	1	farmer	1	4	1.10	Paddy Potato	8qtls 10qtls	0	4	0	15000	
		130	129	259								27	86	49		

NAME OF THE VILLAGE – JANI MAWIONG (socio economic survey)

Sl. No	Name of the Head of Family	Nos. of population			Total nos. of child below 12yrs both female and male out of col.5	Occupation	Literacy		Land holding area in ha/house hold	Name of crops grown	Average yield of each crop in Kg/ha	Livestock in nos.			Total income of each family per anum(Rs)	Remarks
		Male	Female	Total			Illiterate	Literate				Cow	Poultry	Piggery		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Shri.Arnes Kharpuli	2	2	4	0	farmer	1	3	1.30	Paddy Potato	7qtls 8qtls	0	2	0	15000	
2	Shri.Akram Lyngdoh	2	3	5	2	Driver	2	3	1.35	Paddy Potato	10qtls 12qtls	0	3	0	14000	
3	Shri.Balengkupar Lyngdoh	2	2	4	2	farmer	2	2	1.35	Paddy Potato	7qtls 12qtls	0	0	0	15000	
4	Shri.Shairas Kurbah	2	3	5	3	farmer	2	2	1.00	Paddy Potato	6qtls 12qtls	0	0	0	14000	
5	Shri.Halanstar Kurbah	2	3	5	3	farmer	3	2	1.15	Paddy Potato	4qtls 12qtls	0	4	0	16000	
6	Shrui.Kyrshan Langstieh	1	2	3	1	farmer	1	2	1.15	Paddy Potato	4qtls 8qtls	0	0	0	16000	
7	Shri.Traibor Thabah	1	3	4	2	farmer	1	3	1.30	Paddy Potato	4qtls 9qtls	0	0	0	17000	
8	Shri.Bromis Kharpuli	6	2	8	1	farmer	2	6	1.35	Paddy Potato	4qtls 12qtls	0	0	0	18000	
9	Shri.Strong Sun	1	1	2	0	Bussiness	1	1	1.25	Paddy Potato	8qtls 12qtls	0	0	0	22000	
10	Smti.Trona Langstieh	1	2	3	0	farmer	1	2	1.20	Paddy Potato	7qtls 12qtls	0	0	0	22000	
11	Shri.Khlainding Kharryngki	2	1	3	1	Driver	2	1	1.20	Paddy Potato	8qtls 15qtls	0	0	0	22000	
12	Shri.Banjop Myrthong	3	1	4	2	Farmer	1	3	1.19	Paddy Potato	4qtls 10qtls	0	0	0	18000	
13	Shri.Boren Kharpuli	5	2	7	3	Bussiness	3	4	1.05	Paddy Potato	8qtls 10qtls	0	4	2	22000	
14	Shri.Konding Khongsit	4	2	6	1	farmer	4	2	1.20	Paddy Potato	7qtls 8qtls	0	0	1	20000	

15	Shri.Albert Marbaniang	2	2	4	2	Farmer	2	2	0.95	Paddy Potato	10qtls 12qtls	0	0	1	22000	
16	Smti.Joyful Kharpuli	4	2	6	4	Farmer	3	3	1.40	Paddy Potato	7qtls 12qtls	0	0	0	14000	
17	Shri.Kyrshan Sylliang	1	3	4	3	farmer	2	2	1.30	Paddy Potato	6qtls 12qtls	0	4	1	16000	
18	Shri.Yarsing Kurbah	1	2	3	1	Farmer	1	2	1.30	Paddy Potato	7qtls 8qtls	0	2	0	16000	
19	Smti.Midola Kurbah	0	1	1	0	Farmer	1	0	1.06	Paddy Potato	10qtls 12qtls	0	0	0	12000	
20	Shri.Kerbok Langstieh	3	1	4	0	Farmer	3	1	1.50	Paddy Potato	7qtls 12qtls	0	0	3	22000	
21	Shri.Martin Shangpliang	7	5	12	3	Driver	5	7	1.20	Paddy Potato	6qtls 12qtls	0	2	0	22000	
22	Shri.Sweetson Langstieh	2	6	8	4	Driver	4	4	1.00	Paddy Potato	4qtls 12qtls	0	0	0	20000	
23	Shri.Khlur Kurbah	2	2	4	2	Bussiness	2	2	1.10	Paddy Potato	4qtls 8qtls	0	0	0	22000	
24	Shri.Kwestar Khongsit	3	2	5	3	Driver	3	2	1.20	Paddy Potato	4qtls 9qtls	0	0	0	20000	
25	Shri.Estonar Janong	3	4	7	1	Business	2	5	1.17	Paddy Potato	4qtls 12qtls	0	0	0	26000	
26	Shri.Phastar Khongsit	2	2	4	2	farmer	3	1	1.15	Paddy Potato	8qtls 12qtls	0	0	0	20000	
27	Shri.Phrek Marbaniang	3	2	5	2	Bussiness	2	3	1.21	Paddy Potato	7qtls 12qtls	0	0	0	26000	
28	Smti.Violet Sun	3	3	6	2	farmer	2	4	1.17	Paddy Potato	8qtls 15qtls	0	0	0	18000	
29	Smti.Blissida Sun	0	2	2	0	farmer	0	2	0.95	Paddy Potato	4qtls 10qtls	0	0	0	22000	
30	Smti.Smiris Sun	3	2	5	0	farmer	0	5	1.20	Paddy Potato	8qtls 10qtls	0	4	0	20000	
31	Shri.Rayson Kurbah	4	3	7	0	Driver	5	2	1.15	Paddy Potato	7qtls 8qtls	0	0	0	12000	
32	Shri.Rajesh Kurbah	2	2	4	2	Business	2	2	1.10	Paddy Potato	10qtls 12qtls	0	0	0	16000	
33	Shri.Karbiroo Sun	4	3	7	2	farmer	3	4	0.95	Paddy Potato	7qtls 12qtls	0	0	0	16000	
34	Shri.Shanbor Khyriem	2	1	3	2	farmer	2	1	1.15	Paddy Potato	6qtls 12qtls	0	0	0	16000	

35	Shri.Phedrik Mawlong	2	3	5	3	Business	3	2	1.10	Paddy Potato	4qtls 12qtls	0	3	0	24000	
36	Shri.Waisar Ryntathiang	5	3	8	0	Farmer	0	8	1.15	Paddy Potato	4qtls 8qtls	0	2	2	22000	
37	Smti.Ephiia Langstieh	2	1	3	1	farmer	2	1	1.07	Paddy Potato	4qtls 9qtls	0	0	0	16000	
38	Shri.Syllastar Kurkalang	2	2	4	2	farmer	2	2	1.25	Paddy Potato	4qtls 12qtls	0	0	0	18000	
39	Shri.Shan Dkhar	2	1	3	1	farmer	1	2	1.10	Paddy Potato	7qtls 8qtls	0	0	0	16000	
40	Shri.Rostar Wahlang	5	3	8	2	Driver	3	5	1.35	Paddy Potato	10qtls 12qtls	0	4	0	22000	
41	Shri.Tonding Khongsit	3	4	7	2	Farmer	3	4	1.10	Paddy Potato	6qtls 12qtls	0	0	2	18000	
42	Shri.Banjop Kurbah	2	1	3	1	Farmer	1	2	1.10	Paddy Potato	4qtls 12qtls	0	0	0	18000	
43	Shri.Eliphaz Thabah	2	1	3	1	Farmer	3	0	1.20	Paddy Potato	4qtls 8qtls	0	0	0	16000	
44	Shri.Aber Khongsit	2	1	3	1	farmer	2	1	1.16	Paddy Potato	4qtls 9qtls	0	2	0	18000	
45	Shri.Tombor Lyngkhai	2	4	6	4	Driver	4	2	1.20	Paddy Potato	4qtls 12qtls	0	0	0	21000	
46	Shri.Kyrshan Kurbah	2	1	3	2	Farmer	0	3	1.04	Paddy Potato	8qtls 12qtls	0	0	0	17000	
47	Shri.Bronus Sun	1	1	2	0	farmer	0	2	1.30	Paddy Potato	7qtls 12qtls	0	2	0	16000	
48	Smti.Betsida Langstieh	0	2	2	1	farmer	2	0	1.03	Paddy Potato	8qtls 15qtls	0	2	0	14000	
		115	107	222									40	12		

ANNEXURE III
COST ESTIMATES

ESTIMATE FOR CONSTRUCTION OF CHECK DAM

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

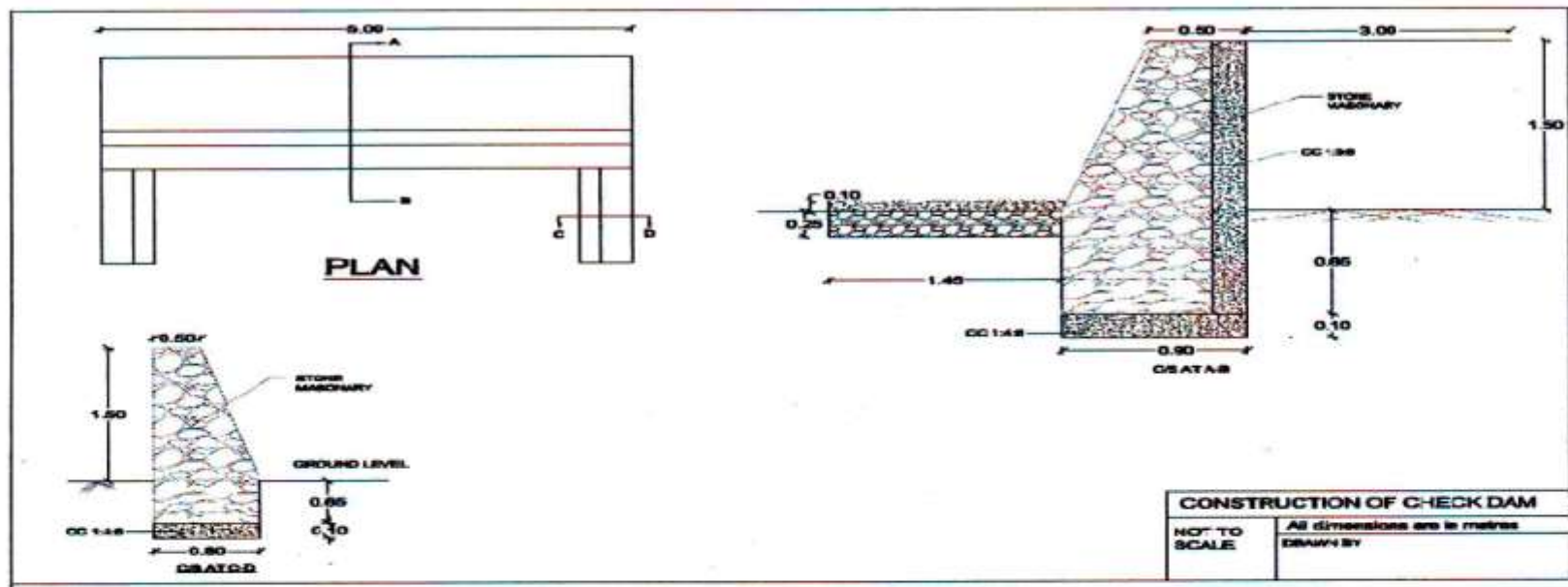
LOCATION :-

SI no	PARTICULARS	NO	DIMENSION			QTY	UNIT	RATE	AMOUNT (RS)
			L	B	H				
1/4 (b)	Earthwork in excavation for foundation for abutment and wing walls of bridges and culvert, upto the founding level including dewatering, bailing out of water and protecting the sides of foundation by adequate shoring, scaffolding. The foundation is leveled both longitudinally and transversely as directed DAM WING WALL (U/S) APRON	1	5	0.9	0.75	3.38	CU.M		
		2	3	0.8	0.75	3.60	CU.M		
		1	5	1.45	0.25	1.81	CU.M		
		TOTAL				8.79	CU.M	152	1335.7
2/26	Providing cement concrete work in proportion 1;4;8 with hard broken stones aggregates 40mm down graded, including necessary carriage of stone and sand within a distance of 200m and curing , complete as directed DAM WING WALL	1	5	0.9	0.1	0.45	CU.M		
		2	3	0.8	0.1	0.48	CU.M		
		TOTAL				0.93	CU.M	2136	1986.48
3/41(a)	Providing shuttering with dressed planks not less than 25mm thick properly joined including battens, props to the proper level and removing of the same after the concrete is hardened complete as directed DAM APRON	1	5	1.5		7.50	SQ.M		
		2	1.45	0.1		0.29	SQ.M		
		TOTAL				7.79	SQ.M	295	2298.05
4/28	Providing cement concrete work in proportion 1;3;6 with hard broken stones aggregates 40mm down graded, including necessary carriage of stone and sand within a distance of 200m and curing , complete as directed DAM APRON	1	5	0.1	2.15	1.08	CU.M		
		1	5	1.45	0.1	0.72	CU.M		
		TOTAL				1.80	CU.M	2344	4219.2

5/20(a)	Providing regular stone masonry in retaining walls, breast walls, and wing walls with hammer dressed or blunt chisel dressed stones of heavy section (size not less than 25 cm x25cm x30 cm) with proper key stones not less than 25cmx25cmx75cm, in cement mortar1;6 including carriages of stones within 200m and filling in trenches and providing weep hole at 1;2 to 1:5 apart complete as directed							
	DAM	1	5	0.8	0.65	2.60	CU.M	
		1	5	0.65	1.5	4.88	CU.M	
	WING WALLS	2	3	0.8	0.65	3.12	CU.M	
		2	3	0.55	1.5	4.95	CU.M	
	TOTAL					15.55	CU.M	1060
7/24	Providing stone pitching with one man size boulders not less than 25cm x 25cm x 30 cm including filling the interstices with spoils and carriages of stone within a distance of 200m completed as directed							
	APRON	1	5	1.45	0.25	1.81	CU.M	
TOTAL					1.81	CU.M	512	928.00
9/26	Providing 12mm thick cement plastering including cleaing the surface, curing carriage of sand within 200m complete							
	DAM	1	5	0.5		2.5	SQ.M	
		1	5	1.5		7.5	SQ.M	
	W/WALLS	2	3	0.5		3	SQ.M	
		2	3	1.5		9	SQ.M	
	APRON	1	5	1.45		7.25	SQ.M	
	TOTAL					29.25	SQ.M	93

SAY ₹ 29,900.00

(RUPEES TWENTY NINE THOUSAND NINE HUNDRED) ONLY.



ESTIMATE FOR CONSTRUCTION OF WATER HARVESTING STRUCTURE.

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

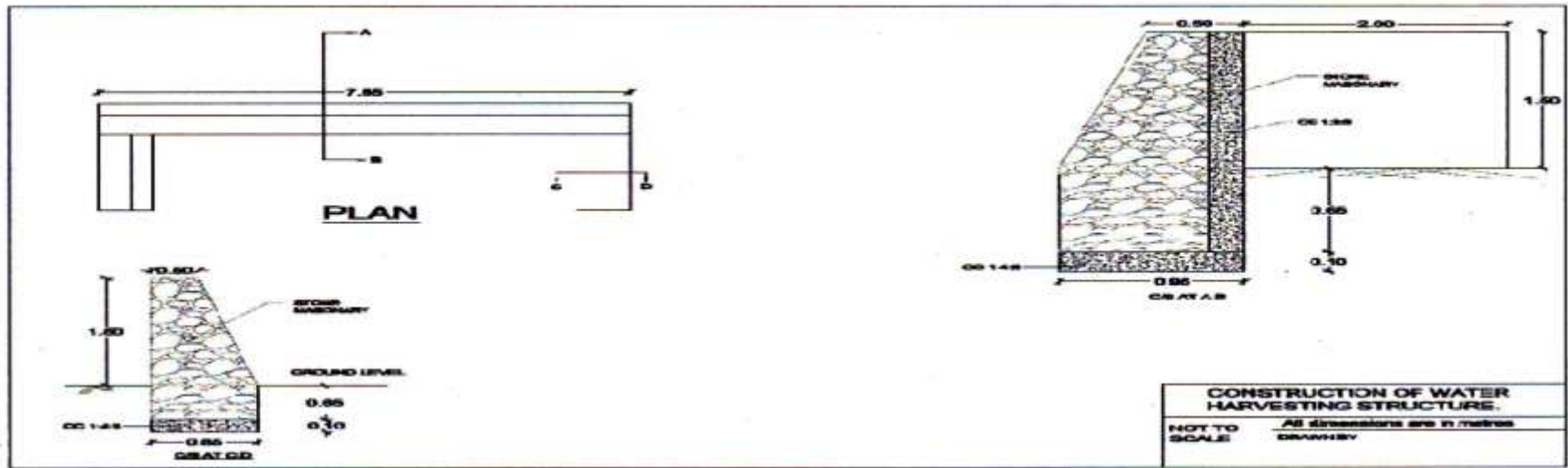
Sl no	PARTICULARS	NO	DIMENSION			QTY	UNIT	RATE ₹	AMOUNT ₹
			L	B	H				
1/4 (b)	Earthwork in excavation for foundation for abutment and wing walls of bridges and culvert, upto the founding level including dewatering, bailing out of water and protecting the sides of foundation by adequate shoring, scaffolding. The foundation is leveled both longitudinally and traversely as directed								
		1	7.85	0.95	0.75	5.59	CU.M		
		2	2	0.85	0.75	2.55	CU.M		
		TOTAL				8.14	CU.M	152	1237.756
2/26	Providing cement concrete work in proportion 1:4:8 with hard broken stones aggregates 40mm down graded, including necessary carriage of stone and sand within a distance of 200m and curing , complete as directed								
		1	7.85	0.95	0.1	0.75	CU.M		
		2	2	0.85	0.1	0.34	CU.M		
		TOTAL				1.09	CU.M	2136	2319.16
3/41(a)	Providing shuttering with dressed planks not less than 25mm thick properly joined including battens, props to the proper level and removing of the same after the concrete is hardened complete as directed								
		1	7.85	1.5		11.775	SQ.M		
		TOTAL				11.78	SQ.M	295	3473.63
4/28	Providing cement concrete work in proportion 1:3:6 with hard broken stones aggregates 40mm down graded, including necessary carriage of stone and sand within a distance of 200m and curing , complete as directed								
		1	7.85	0.1	2.15	1.69	CU.M		
		TOTAL				1.69	CU.M	2344	3956.086
5/20(a)	Providing regular stone masonry in retaining walls, breast walls, and wing walls with hammer dressed or blunt chisel dressed stones of heavy section (size not less than 25 cm x25cm x30 cm) with proper key stones not less than 25cmx25cmx75cm, in cement mortar1:6 including carriages of stones within 200m and filling in trenches and providing weep hole at 1:2 to 1:5 apart complete as directed								
		1	7.85	0.85	0.65	4.34	CU.M		
		1	7.85	0.68	1.5	7.95	CU.M		
		2	2	0.85	0.65	2.21	CU.M		
		2	2	0.68	1.5	4.05	CU.M		
		TOTAL				18.55	CU.M	1060	19657.97
6/26	Providing 12mm thick cement plastering including cleaing the surface, curing carriage of sand within 200m complete								
		1	7.85	0.5		3.925	SQ.M		
		1	7.85	1.5		11.775	SQ.M		
		2	2	0.4		1.6	SQ.M		
		2	2	1.5		6	SQ.M		
		TOTAL				23.30	SQ.M	93	2166.90

GRANDTOTAL

32811.49

SAY ₹ 32,800.00

(RUPEES THIRTY TWO THOUSAND EIGHT HUNDRED)



ESTIMATE FOR CONSTRUCTION OF PERIPHERAL BUNDING.
WIDTH - (0.60 + 0.40)/2

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

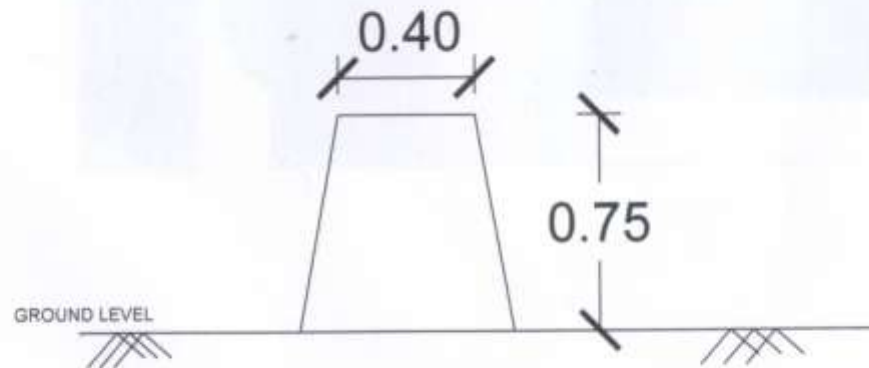
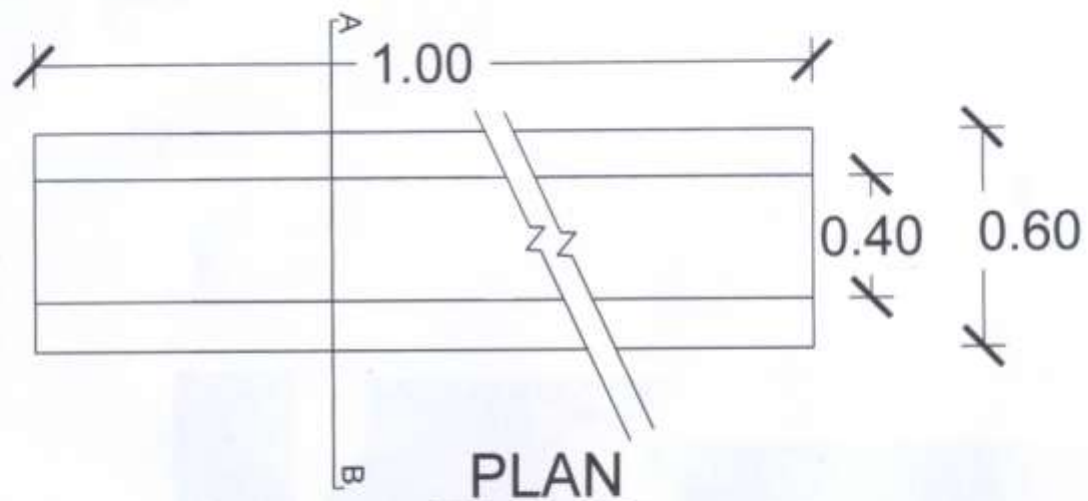
Sl no	PARTICULARS	NO	DIMENSION			QTY	UNIT	RATE (Rs)	AMOUNT (RS)
			L	B	H				
1/8	Earthwork in filling with approved earth like sandy soil, moorum etc, in an embankment in layers not exceeding 20cm thick including breaking clods, dressing and ramming and lead upto 30m and lift upto 150cm								
		1	1	0.5	0.75	0.38	cu.m		
		TOTAL				0.38	cu.m	134	50.25

GRAND TOTAL

50.25

Say ₹ 50.00 Per Running metre.

(RUPEES SEVEN THOUSAND FIVE HUNDRED) ONLY.



DRAWING OF
PERIPHERAL BUND.

NOT TO
SCALE

All dimensions are in
metres
DRAWN BY

ESTIMATE FOR CONSTRUCTION OF CONTOUR BUNDING.
WIDTH - (0.50 + 0.30)/2

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

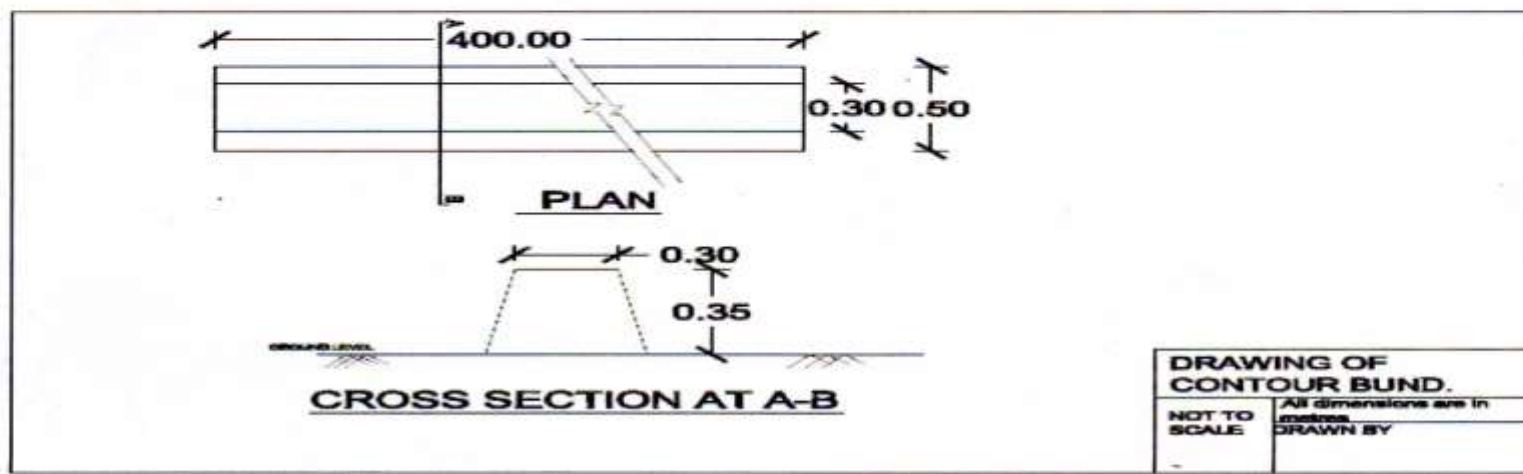
SI no	PARTICULARS	NO	DIMENSION			QTY	UNIT	RATE ₹	AMOUNT ₹
			L	B	H				
1/8	Earthwork in filling with approved earth like sandy soil, moorum etc, in an embankment in layers not exceeding 20cm thick including breaking clods, dressing and ramming and lead upto 30m and lift upto 150cm	1	400	0.4	0.35	56.00	cu.m		
		TOTAL				56.00	cu.m	134	7504.00

**GRAND
TOTAL**

7504.00

Say ₹ 7,500.00 Per Hectare

**RUPEES SEVEN THOUSAND FIVE HUNDRED
ONLY.**



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)

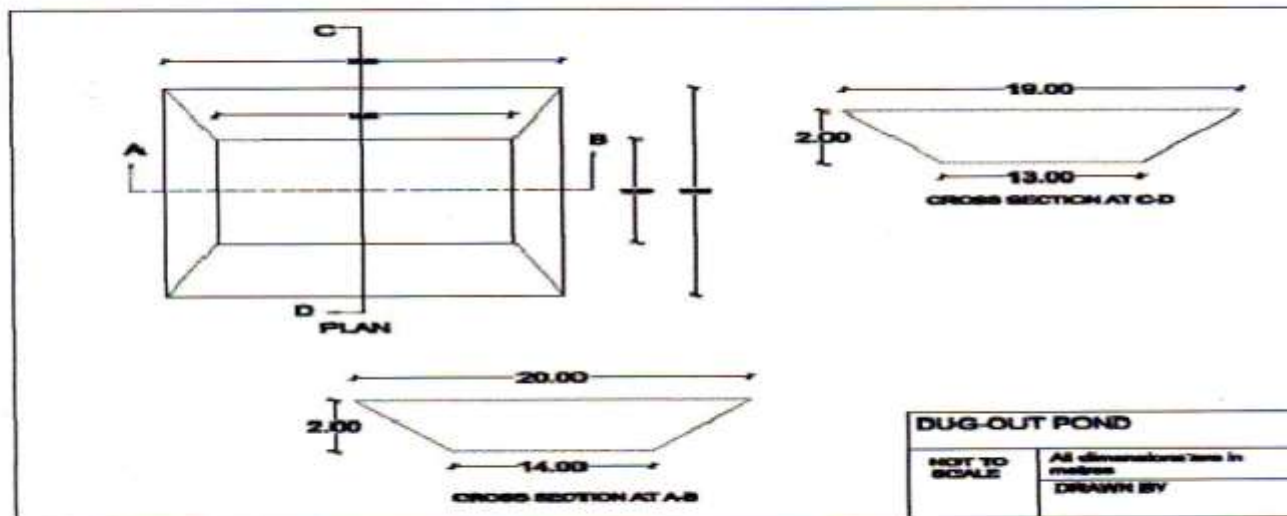
HEIGHT : 2.0 m.

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.



ESTIMATE FOR CONSTRUCTION OF PROTECTION WALL.

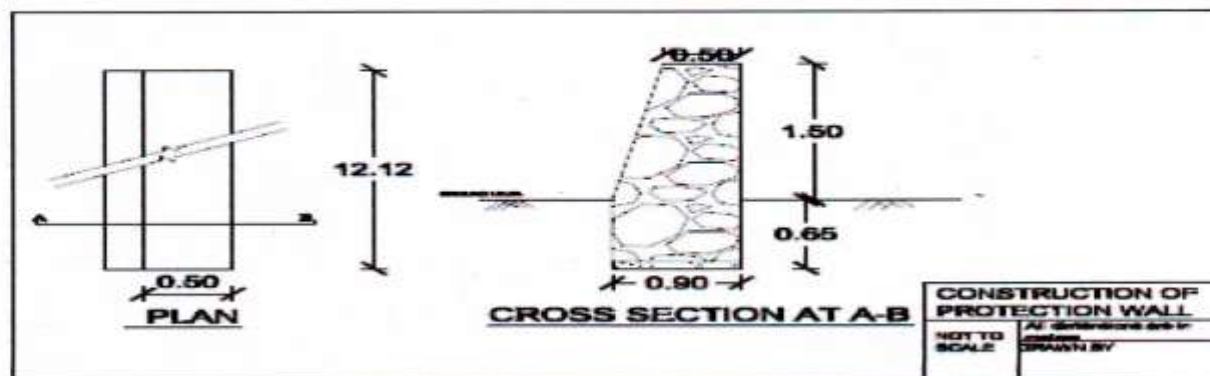
(Rate Based as per MPWD scheduled or rates for Road and Bridges for Eastern circle, Shillong for the year 2008-09)

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

Sl no	PARTICULARS	NO	DIMENSION			QTY	UNIT	RATE	AMOUNT (RS)	
			L	B	H					
1/6 (a)	Earthwork in excavation for foundation of hume pipe, culvert, slab drain, retainingmg wall face well up to the desired founding level including dewatering, bailing out of water and protecting the sides of foundation by adequate shoring, scaffolding. The foundation is leveled both longitudinally and transversely as directed	1	12.12	0.9	0.65	7.09	CU.M			
		TOTAL			7.09	CU.M	93	659.39		
2/26	Providing cement concrete work in proportion 1;4;8 with hard broken stones aggregates 40mm down graded, including necessary carriage of stone and sand within a distance of 200m and curing , complete as directed	1	12.12	0.9	0.1	1.09	CU.M			
		TOTAL			1.09	CU.M	2136	2329.95		
3/20(a)	Providing regular stone masonry in retaining walls, breast walls, and wing walls with hammer dressed or blunt chisel dressed stones of heavy section (size not less than 25 cm x25cm x30 cm) with proper key stones not less than 25cmx25cmx75cm, in cement mortar1;6 including carriages of stones within 200m and filling in trenches and providing weep hole at 1;2 to 1:5 apart complete as directed	1	12.12	0.9	0.55	6.00	CU.M			
		1	12.12	0.7	1.5	12.73	CU.M			
		TOTAL			18.73	CU.M	1060	19848.92		
		GRAND TOTAL								22838.26

SAY :- Rs. 22,830.00

(Rupees Twenty Two Thousand Eight Hundred Thirty) only.



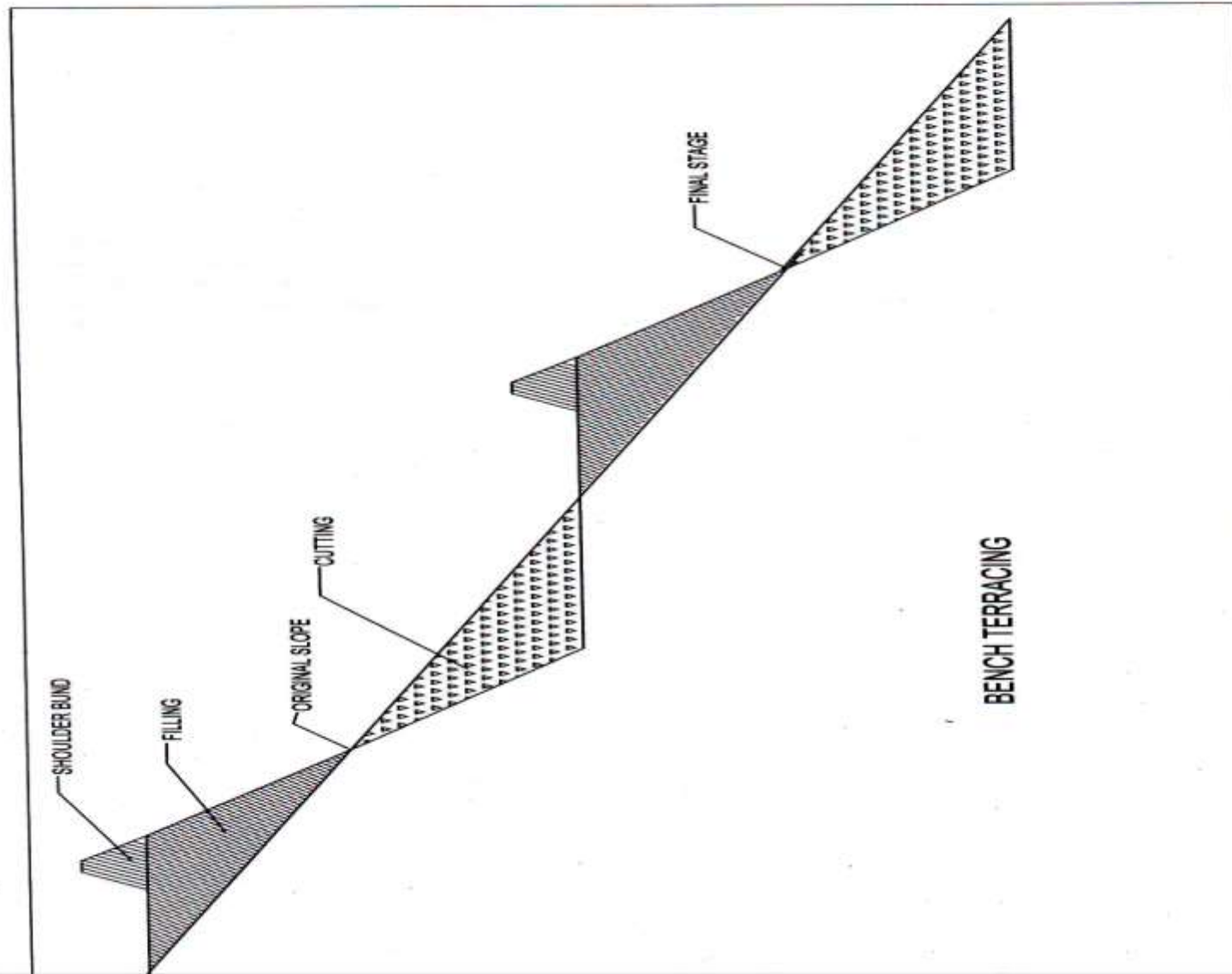
MODEL ESTIMATE FOR CONSTRUCTION OF BENCH TERRACING.

(Based as per SOR for Roads & Bridges for eastern shilling circle for the year 2008-2009).

SL No.	Technical Parameters.	SLOPE GROUP		
		6 – 10 %	10 – 20 %	20 – 33 %
1.	Average Terrace width Recommended (m).	12	8	5
2.	Vertical interval $VI=W \times S / 100 - S$.	1.04	1.41	1.80
3.	Terrace Length (m)= $A/W + VI$	767.00	1063.00	1471.00
4.	Earthwork = $12.5 \times W \times SM^3$	1200.00	1500.00	1656.25
5.	Shoulder Bund Length.	779.00	1071.00	1476.00
6.	Shoulder bund cross section (m^2).	0.08	0.08	0.08
7.	Earthwork for shoulder bund (m^3).	62.32	85.68	118.08
8.	Area available for cultivation (ha).	0.87	0.79	0.65

COST ESTIMATE.

i.	Jungle clearance including Uprooting of stumps.	2242.00	2242.00	2242.00
ii.	Cost of terracing @ ₹26/ m^3	31200.00	39000.00	43063.00
iii.	Cost of shoulder @ ₹13/ m^3	810.00	1114.00	1535.00
iv.	Dressing, shaping and grading of bench terraces .	550.00	550.00	550.00
v.	Water disposal structure (LS)	1050.00	1150.00	1250.00
TOTAL COST:		35852.00	44056.00	48640.00



ESTIMATE FOR CONSTRUCTION OF RUN OFF CHANNEL.

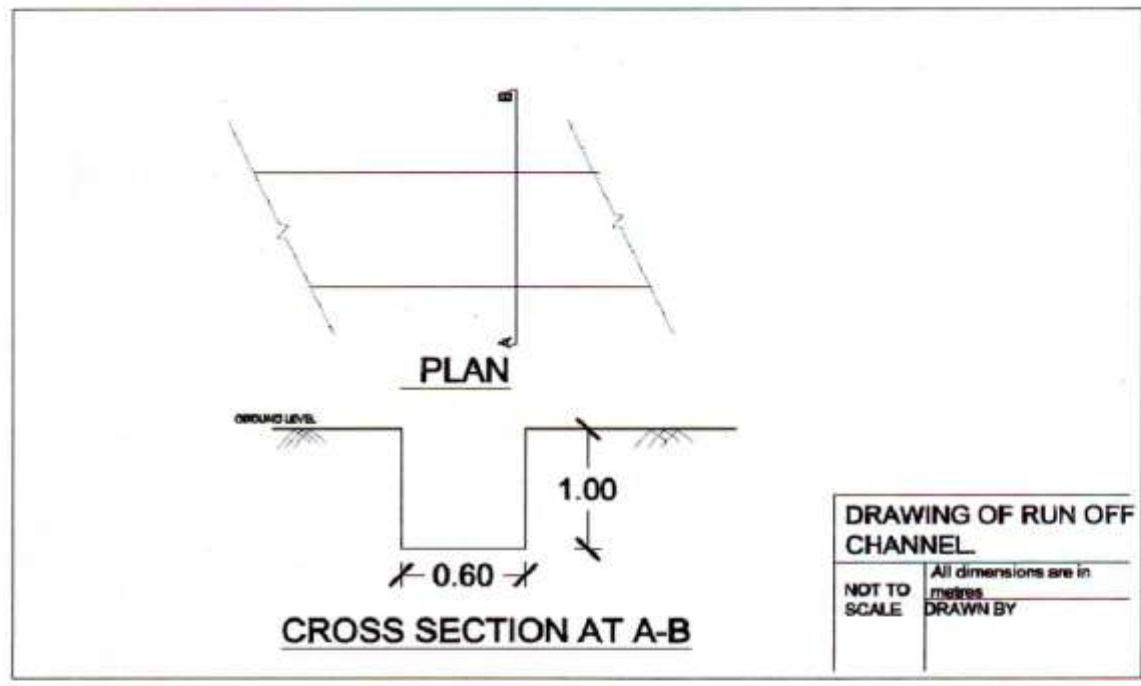
(Rate Based as per MPWD scheduled or rates for Road and Bridges for Eastern circle, Shillong for the year 2008-09)

SIZE OF DRAIN : 0.60 m X 1.0 m.

Sl no	PARTICULARS	NO	DIMENSION			QTY	UNIT	RATE	AMOUNT ₹
			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 spoilup to 30m lead and all lift								
		1	1	0.6	1	0.6			
		TOTAL				0.6	cu.m	42	25.2

SAY ₹ 26.00/RM

RUPEES TWENTY SIX ONLY



ANNEXTURE IV

**CONVERGENCE CERTIFICATE FROM DEPUTY
COMMISSIONER EAST KHASI HILLS DISTRICT. SHILLONG**

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

ANNEXURE V

CERTIFICATE OF REGISTRATION OF SOCIETIES
MoA DETAILS ETC



Certificate of Registration of Societies

ACT 12 OF 1983

No. E.16/5/ of 2010/207

I hereby certify that Umjani Watershed Committee

has this day been registered under Meghalaya Societies Registration Act,
12 of 1983.

Given under my hand at Shillong

this 4th day of April

Two thousand and eleven

Registration fee of Rs. Two hundred and fifty only.


Joint Registrar Of Societies
East Khasi Hills District
Shillong
Meghalaya, Shillong.



Certificate of Registration of Societies

ACT 12 Of 1983

No. E.16/5/ of 2010/208

I hereby certify that Wah Umlyngdoh Watershed Committee

has this day been registered under Meghalaya Societies Registration Act,
12 of 1983.

Given under my hand at Shillong

this 4th day of April

Two thousand and eleven

Registration fee of Rs. Two hundred and fifty only.


Joint Registrar Of Societies
East Khasi Hills District
Registrar of Societies,
Meghalaya, Shillong.

DORBAR SHNONG KRANG NONGRUM

Sohiong lyngdohship, B.P.O. KRANG

Via - MAWPHLANG - 793121

EAST KHASI HILLS, MEGHALAYA (INDIA)

Ref.No.K.N. _____

Date: 14th 3-11.

N. O. C

Nga u bah Phrolin Mawlong Sordar jong ka Shnong
Krang Nongrum, ngam don kano kano ka objection na ka
bynta ka jingpyntrei jong ka Soil and water conservation
Mawphlang, Chapoh ka Mah umlyngdoh water shed.

Khuklei shibun Ch.


Shri. P. Mawlong
Sordar
Shnong Krang Nongrum
Sohiong Lyngdohship

Ha

NOC

J Range Officer

Soil & Water Conservation
Mawphlang Range

Nga U Erola Mawlong Sordar Krang
Nongrum Centre nga la shah singuibha
ban trei kano kano ka Scheme kaba hap
hapoh hmlyngdoh Soil & Water Conservation
Watershed na ka bynta ka roi ka par
hapoh ka Shnong ka thau.

Khublei Shibun

Sordar Shnong
Krang Nongrum
Centre

E. mawlong
Range Officer
Mawphlang Range
Jaintia Hills
Mizoram

KRANG NONGLUM SHILIANG IEW

SHIONG LYNGDOHSHIP
EAST KHASI HILLS

REF NO.....

DATE 14th March 11

NO objection certificate

Nga u Bah smrit fong Mawlong Sorden
Shnong Krang Nonglum Shiliang Iew, ngam den
kano kano ka objection naka bynta ka fong -
pyntrei fong ka sail censurwenti Mawphlang
Renge hapah ka wah lumbagdeh watershed.

Emmbung
Mr. E. Mawlong
Sorder
Shnong Krang Nonglum
Shiliang Iew

MAWKHAR MARBANIANG KRANG

N.O.C:

Nga U Sordar Shnong Mawkhar – Marbaniang Krang nga pynshisha bad nga shim ruh ka jingkit khlieh, kum u Sordar shnong ba ha kaba iadei bad ka Development hapoh shnong baroh ki shah sngewbha, khamtam eh ha kaba iadei bad ka jingpyntrei ka Soil Conversation Development kaba hap hapoh ka Watershed Wah Umlyngdoh Committee.

Khublei Shibun

SKOR Kharthangmanu

*Sordar Shnong
Mawkhar Marbaniang Krang
Wah Umlyngdohship*

Dated: Mawkhar Marbaniang

The: 7-3-11

DORBAR SHNONG MAWKOHTEP

Sohiong Lyngdohship
East Khasi Hills District : 793121.

Ref.No.....

Dated : Mawkohtep.

The : 22.03.2011

"No Objection Certificate"

Nga u Sordar Shnong Mawkohtep ngam don kano kano ka jingujor ne pyrshah iaka jingpyntrei jong ka Soil & Water Conservation Department ba kan wan ban pyntrei hapoh Shnong haki jaka ba lait bad bala shoh ia ki ban pyntrei naka bynta ka jingmyntoi iaki nongshong shnong hi baroh kawei.

Ricky Dohling
Sordar Shnong
Mawkohtep
Sohiong Lyngdohship
Sordar Shnong
Mawkohtep

DORBAR SHNONG PHUDMYRDONG

Sohiong Lyngdohship

EAST KHASI HILLS DISTRICT : MEGHALAYA

Ref.No.....

Date :

NO OBJECTION CERTIFICATE

Ka Dorbar shnong Phudmyrdong kam don kano kano ka jing uxor pyrshah ia ka Scheme kaba pyntrei na ka Soil Water Conservation Department Mawphlang Shillong na ka bynta ka roi ka par jong ka shnong ka thaw kaba hap ha ka Umjani Water Shed.


Sordar Shnong
Phudmyrdong
Sohiong Lyngdohship.

DORBAR SHNONG JANI MAWIONG

Myllem Syiemship
EAST KHASI HILLS DISTRICT : MEGHALAYA

Ref.No.....

Date : _____

NO OBJECTION CERTIFICATE

Ka Dorbar Shnong Jani Mawiong kam don kano kano ka jing uxor pyrshah ia ka Scheme kaba pyntrei na ka Soil Water Conservation Department Mawphlang Shillong na ka bynta ka roi ka par jong ka shnong ka thaw kaba hap ha ka Umjani Water Shed.


Rangbah Shnong
Jani Mawiong
Myllem Syiemship.
Myllem Syiemship

ANNEXURE VI

MEETINGS AND PRA EXERCISES

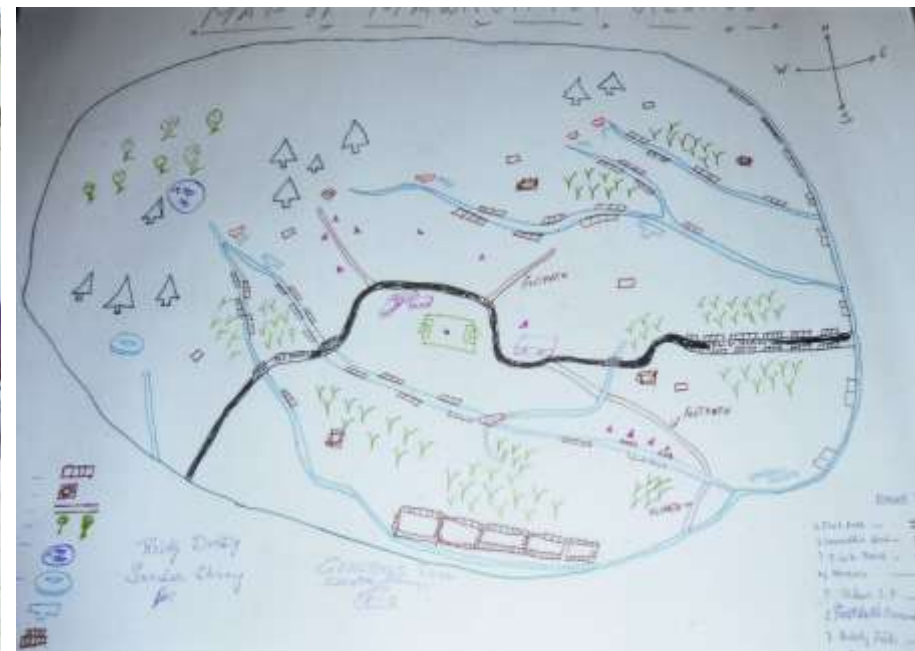
PHOTO OF MEETING OF THE VILLAGE COMMITTEE AT WAH UMLYNGDOH IWMP WATERSHED



PHOTO OF MEETING OF THE VILLAGE COMMITTEE AT WAH UMJANI IWMP WATERSHED



PRA EXERCISE CONDUCTED AT PHUD MYRDONG UNDER UMJANI
WATERSHED IWMP-IX-2010-2011





PRA EXERCISE CONDUCTED AT KRANG NONGLUM UNDER WAH UMLYNGDOH
WATERSHED IWMP-IX-2010-2011





ANNEXURE VII

ENTRY POINT ACTIVITIES AT KRANG NONGLUM UNDER WAH UMLYNGDOH IWMP WATERSHED



ANNEXURE VIII

ENTRY POINT ACTIVITIES AT PHUD MYRDONG AND MAWKOHTEP UNDER UMJANI IWMP WATERSHED

