DETAILED PROJECT REPORT

PHUDSTEIN, PHUDSHETDOH INTEGRATED WATERSHED MANAGEMENT PROJECT

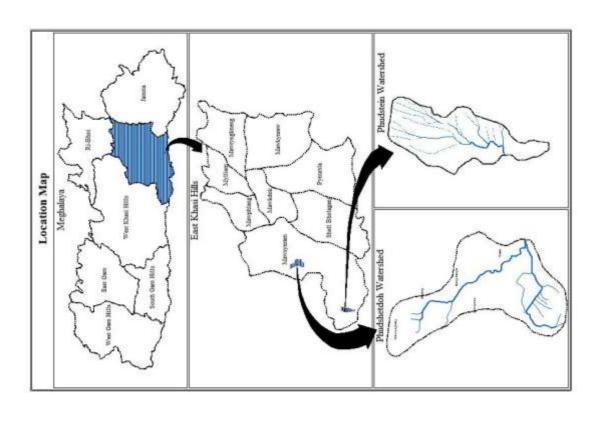
IWMP - V

2010 - 2011

MAWSYNRAM C& RD BLOCK

EAST KHASI HILLS DISTRICT

MEGHALAYA



SUMMARY

Name of the Sate : Meghalaya

Name of the District : East Khasi Hills District

Name of the C&RD Block : Mawsynram C. & R. D. Block

Name of the Villages : (i) Dangar,(ii) Dombah (iii) Pynden Dakni (iv) Umsawrang (v) Mawryngkang (vi)Langsymphat

(vii) Mawteibah (viii) Mawlynnu (ix) Weiloi

Name of the Project : East Khasi Hills – IWMP – V

Total Geographical Area : 1384 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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PANORAMIC VIEW OF PHUDSTEIN MICRO WATERSHED

CHAPTER I INTRODUCTION AND BACKGROUND

CHAPTER I

INTRODUCTION AND BACKGROUND

1.1 Project Background:

The Phudshetdoh& Phudstein (IWMP. V)project are located in Mawsynram C&RD Block, East Khasi Hills District of Meghalaya. Consisting of a two microwatersheds. The total area is 1384 Ha, out of which, 1000 Ha is to be treated under the Integrated Watershed Management Programme (IWMP).

The Project area is located at a distance of about 50 km and about 90 Km from Shillong, the District Headquarters and also the State Capital. A total of nine villages are covered under the project are:-

- (i) Dangar (Phudstein Micro Watershed)
- (ii) Dombah (Phudstein Micro Watershed)
- (iii) Pynden dakni (Phudstein Micro Watershed)
- (iv) Umsawrang (Phudstein Micro Watershed)
- (v) Mawryngkang (Phudshetdoh Micro Watershed)
- (vi) Mawteibah (Phudshetdoh Micro Watershed)
- (vii) Langsymphud (Phudshetdoh Micro Watershed)
- (viii) Mawlynnu (Phudshetdoh Micro Watershed)
- (ix) Weiloi (Phudshetdoh Micro Watershed)

1.2 Micro-watershed Information:

The micro-watershed code of phudstein is 3C1B51a and phudshetdoh is 3C1B5a1bas codified by the North East Space Application Centre (NESAC). The total area of the two micro-watersheds is 1384 Ha, out of which, 1000 Ha is to be treated under the Integrated Watershed Management Programme (IWMP).

1.3 Need and Scope for Watershed Development:

The two micro-watersheds are located on the southern slopes of the deep gorges of the Central (mawsynram platform) Plateau. Two of the nine villages do not have any road connectivity. Most of the people in the watershed are labourers and marginal farmers and 128 households are below the poverty line, which is 26.84 % of the total households.

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
- ii. Border Area Development Programme (BADP)
- iii.Total Sanitation Campaign (TSC)
- iv. Swarnjayanti Gram Swarozgar Yojana (SGSY)
- v. Indira Awas Yojana (IAY)

CHAPTER II BASIC INFORMATION OF THE PROJECT AREA

CHAPTER II BASIC INFORMATION OF THE PROJECT AREA

2.1 Location:

The Project area is located within the area of Bhowal syiemship and Raid Saw Symper under Mawsynram C&RD Block East Khasi Hills District The geographical location of phodshetdoh micro watershed is between 91° 54' to 91° 55' E Longitude and 25° 11' to 25° 15' N Latitude. The geographical location of Phudstein micro watershed is 91°22'30" to 91°24'45" E longitude and 25°11'15" to 25°13'46" N Lattude. There are 9 villages within the two Micro-Watersheds which are as follows –

- (i) Dangar (ii) Dombah (iii) Pyndendakni (iv) Umsawrang (v) Mawryngkang (vi) Mawteibah (vii) Langsymphud (viii) Mawlynnu
- (ix) Weiloi

At present, two villages are not connected by good motorable road.

2.2 Physiography:

The physiography of the two micro-watersheds are highly undulating with moderate steep to steep slope. The altitude ranges from a minimum of 300m to a high of 1600m above mean sea level. In the lower reaches (valley lands) the slope ranges from 25% to 35%, however, in the middle and upper reaches it is greater than 45%, and can reach up to 75%.

Table 2.1: Physiographic details

Elevation (metres)	Slope Range (%)	Order of watershed Sub/Micro-watershed	Major streams	Topography
300 m to 1600 m	25% to 75 %	Micro Watershed	Phudstein Phudshetdoh	Undalating Slope Undulating

2.3 Drainage: Phudstein and Phudshetdoh are fed by a network of rivulets and tributaries, a drainage pattern controlled by the structure faults, flowing in the south direction and entering Bangladesh.

2.4 Soil: Soil Texture is loamy sand. Soils are excessively drained and moderately rapid permeability. These soils are deep; occur on moderate steep slope hills with severe erosion hazards. Vegetation cover is required to check soil loss.

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

1	2	3	4	5	6	7	8	9		
Sl. No.	Names of State	Name of District	Name of Projects	Cause	Types of erosion	Area affected (ha)	Run-off (mm/ year)	Average soil loss (Tonnes/ ha/ year)		
				Water	erosion:					
			Fo	East	a	Sheet	760	2570-3200		
		East	Khasi	b	Rill	420	2700-3200	10.50 – 15.00		
1	Meghalaya	Khasi	Hills –	С	Gully	204	2700-3200	10.30 – 13.00		
		I	Hills		ills IWMP V	Sub	total	1384		
					rosion	Nil	Nil	Nil		

2.5 Climate: The area in the foothills or low lying areas and mid-slopes are hot in summer and remain warm throughout the winter. The area on the higher reaches is warm during summer and cold during winter. The average annual rainfall is 11451 mm due to proximity with Mawsynram.

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.	Name of	Name of the Agro-				Area (in	Names of	Names of	Major soil types	Major soil types			ops						
No.	State	climatic zone	ha)	the districts	the Projects	a) Type	b) Area (ha)	(preceding 5 years' average)	a) Name	b) Area (ha)									
						Texture is sandy clay loam.			Betel nut	80									
							Soils are permeable and		Betel leaf	8									
		C a sath a sus			strongly acidic in nature. These		Oranges	30											
		Slopes		s		lopes						East East		East Khasi	71	1384Ha		Paddy	110
1	Meghalaya	and Valley	1384Ha	Khasi Hills	Hills – IWMP – V	1 4 4 1 1211 241	1145	11451 mm	Black Pepper	4									
		vancy	vancy			3					severe erosion hazards.			Bannana	16				
						Vegetation cover is required to check soil loss.			Potato	130									
								Total		378 Ha									

2.1 Agriculture: Villagers grow agricultural crops like paddy, Maize, Potato, Sweet potato and Tapioca for local consumption. The principal cash crops which contributed to their income are Betel nut, Betel leaf, Black pepper, and Bay leaf.

Fruit crops are well suited in the lower reaches which include Elaegnus latifolia, orange, banana, jackfruit, and papaya. The fruit crop in higher altitude of the watershed are Pear, Plum, Peach, Cherry and Bay Berry.

Table 2.4: Crop yield and production

Crops	Area (ha)	Average Yield (Qtl) per ha.	Total Production (Qtl.)
Potato	130	65	8450
Tapioca	30	40	1200
Betel nut	80	9	720
Betel leaf	8	9	72
Black Pepper	4	6	24
Oranges	30	40	1200
Banana	16	9	144
Maize	40	14	560
Paddy	110	15	1650
Total	448		

- **2.2 Natural Vegetation:** The tree species common to the watershed area includes *Pinus kesiya, Quercus* spp. *Castanopsis* spp. *Toona ciliata,Albizia* spp. *Aporosa* spp. *Bahunia variegataDuabanga* spp. *Michelia champaca* and *Ficus* spp. However, due to jhum cultivation the forest cover of the area has reduced considerably.
- **2.3 Socio-Economic Profile:** Economically, the area is one of the backward areas in the district. The main reason is due to the absence of good road communication, primitive way of agricultural practices like jhumming and the difficult terrain of the area.

<u>Demographic Status</u>: The total households in the watershed project are 450 nos with a total population of 2379, of which 1161 are male and 1218 are female. The detail of the household in each of the villages in the watershed project is as follows:

(i) Dangar-116 (ii) Dombah-22 (iii) Pyndendakni-40 (iv) Umsawrang-18 (v) Mawryngkang-43 (vi) Mawteibah-24 (vii) Langsymphud-74 (viii) Mawlynnu-49 and (ix) Weiloi-64.

Infrastructure facilities:

- 2.1.1 Roads: Many of the villages within the Project Area are connected by good road except two villages, Pyndendakni and Umsawrang.
- 2.1.2 *School:* There are only 9 L.P Schools and two U.P School within the Project Area run either by the Mission or by the Government.
- 2.1.3 *Electricity:* Connections have been provided but some villages are yet tobe fully electrified due to poverty.
- 2.1.4 *Health:* One Public Health Centre at Dangar and one Health Sub-centre at Laitmawsiang. The local population has to either depends on fascilities available at Mawsynram and Shillong.
- 2.1.5 *Water Supply:* Drinking water supply has been provided by the PHE Deptt. However, during lean season the entire population has 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 Balat. However, the main market where the people sell their produce is at Mawsynram and also at Shillong.

Table 2.5: Infrastructure Status.

1	2		3		4		
Name of District	Name of Project		Parameters:		Stat	us	
East Khasi Hills	Khasi			Many villages are connected with PWD roads excepting two villages has to take I hour on foot journey			
		(ii)	No. of village provided with electricity	All electrifie	ed		
		(iii)	No. of households without access to drinking water	220			
		(iv)	No. of educational institutions:	(P)	(S)	(HS)	(VI)
	Primary (P)/ Secondary (S)/ Higher Secondary (HS)/ Vocational institution (VI)		Primary (P)/ Secondary (S)/ Higher Secondary (HS)/ Vocational institution (VI)	9 Nos.	-	-	-
		(v)	No. of village with access to Primary Health Centre	Nil			
		(vi)	No. of village with access Veterinary Dispensary	Nil			
		(vii)	No. of village with access Post Office	Nil			
		(viii)	No. of village with access Banks	Nil			
		(ix)	No. of village with access Markets/ mandis	Nil			
		(x)	No. of village with access Agro-Industries	Nil			
		(xi)	Total quantity of surplus milk	Nil			
		(xii) No. of milk collection centres		(U)	(S)	(PA)	(O)
	(e.g. Union (U)/ Society (S)/ Private agency (PA)/ Others (O)		(e.g. Union (U)/ Society (S)/ Private agency (PA)/ Others (O))	Nil	Nil	Nil	Nil
		(xiii)	No. of villages with access to Aganwadi Centres	9 Nos.			
		(xiv)	Any other facilities with no. of villages (please specify)	Nil			

2.4 Livestock: there are only 3 kinds of livestock farming being farmed in the area viz. Piggery, Poultry and Cattle.

Table 2.6: Existing livestock population

Type of Animal	Population
Piggery	258
Poultry	1195
Cattle	870
	2323

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

Table 2.7: Land Holding:

1	2	3	4	5	6			
Name of	Name of the	Types of Farmer	No. of No. of BPL		Land holding (ha)			
District	Project	71	households	households	Irrigated	Rainfed	Total	
	(i) Large		-	-				
East	East Khasi	(ii) Small	30	-		110 Ha	110 Ha	
Khasi	Hills –		(iii) Marginal	321	45	1	268 Ha	268 Ha
Hills	IWMP V	(iv) Landless	99	83	1	-	-	
		Sub - Total	450	128		378 Ha	378 Ha	

 Table 2.5: Common Property Resources in the Project Area

1	2	3			4				5		
Name of	Name of	CPR	Total Area (ha) Area owned/ In possession of				1	Area available for treatment (ha)			
District	the Projects	Particulars	Pvt. Person	Govt. (specify deptt.)	PRI	Any other (Community)	Pvt. Person	Govt. (specify deptt.)	PRI	Any other (Community)	
East Khasi	East Khasi Hills –	(i) Wasteland/ degraded land	-	-		457 Ha	-	-	-	230 На	
Hills	IWMP V	(ii) Pastures	-	-	-	-	-	-	-	-	
		(iii) Private Agriculture land	378 Ha	-	-	-	590 Ha				
		(iv) Village woodlot	-	-	-	-					
		(v) Forest	219 Ha	-	-	175 Ha				180 Ha	
		(vi) Village Ponds/ Tanks	ı	-	-	-					
		(vii) Community Buildings	ı	7 nos.	-	-					
		(viii) Weekly Markets	ı	-	-	Balat and Mawsynram					
		(ix) Permanent Markets	ı	-	-	Balat and Mawsynram					
			(x) Temples/ Places of worship	-	-	-	Church-3 no				
		(xi) Others (Pl. specify)		-	-	155 Ha					
		Total	597 Ha	-	-	787 Ha	590 Ha	-	-	410 Ha	

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

	CLASSIFICATION		Phudstein	Phudshetdoh	Total
a)	Built-up Area	-	07.00 Ha	148.00 Ha	155 Ha
b)	Agricultural land-crop land-kharif crop	-	101.00 Ha	125.00На	226 Ha
c)	Tree clad Area-close	-	129.00 Ha	134.00 Ha	263 Ha
d)	Tree clad Area-open	-	327.00 Ha	51.00 Ha	378 Ha
e)	Wastelands-barren Rocky/Stony waste	-	03.00 Ha	340.00 Ha	343 Ha
f)	Sandy Riverine	-	<u>21.00 Ha</u>		21 Ha
	Total	-	588.00 Ha	798.00 Ha	1386 Ha

2.7 Problems of the Area: Soil Erosion is the main problem in the project area where acres of cultivated land are lost due to steep slopes of the area. The primary problem of the area is jhumming. Majority of the population depends on Jhum Cultivation for their livelihood. Mention may also be made here that the land use categorized as Tree-clad Area-open in the land used land cover map generated using Satellite Images of 2005 – 2006 are actually Orange Areanut, black pepper and Betel leaf cultivation areas. However, to control or to overcome the problems of shifting cultivation an innovative approach has been formulated and documented in the Action Plan or the Treatment Plan through Agro Horticulture and agro forestry development. The method of identification of the problems is through the Participatory Rural Appraisal Exercises conducted in all the villages within the Watershed.

CHAPTER III PROJECT PLANNING&INSTITUTION BUILDING

CHAPTER III

PROJECT PLANNING&INSTITUTION BUILDING

3.1 Scientific Planning

- i) <u>Base Line Survey</u>: 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) <u>Participatory Rural Appraisal</u>: To further obtain information on the project area, the people, resources, various PRA techniques like resource mapping, social mapping, seasonal calendars, matrix ranking, Venn diagrams were used.
- iii) GIS & Remote Sensing: To facilitate the process of prioritization and planning Geographic Information System was use. The land use and land cover (LULC) maps were prepared by the North Eastern Space Application Centre (NESAC) using the LISS III images (2006). The activities were located on the field by using GPS and accordingly transferred to the maps on GIS platform.

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

1	2	2
Sl.No.	Scientific criteria/ inputs used	No. of projects in which scientific criteria were used
A.	Planning	
	Cluster approach	3
	Whether technical back-stopping for the project has been arranged? If yes, mention the	Yes,
	name of the Institute.	NESAC, Nongsder
	Baseline survey	Yes
	Hydro-geological survey	No
	Contour mapping	No
	Participatory Net Planning (PNP)	No

1	2	2
	Remote sensing data-especially soil/ crop/ run-off cover	Yes
	Ridge to Valley treatment	Yes
	Online IT connectivity between	
	(1) Project and DRDA cell/ZP	Yes
	(2) DRDA and SLNA	Yes
	(3) SLNA and DoLR	Yes
	Availability of GIS layers	
	1. Cadastral map	No
	2. Village boundaries	No
	3. Drainage	Yes
	4. Soil (Soil nutrient status)	Yes
	5. Land use	Yes
	6. Ground water status	No
	7. Watershed boundaries	Yes
	8. Activity	Yes
	Crop simulation models [#]	No
	Integrated coupled analyzer/ near infrared visible spectroscopy/ medium spectroscopy for high speed soil nutrient analysis	No
	Normalized difference vegetation index (NDVI)#	Yes
	Weather Stations	No
В.	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 Institution Building

i) Watershed Committee (WC)

The Watershed Committee of the Phudstein and Phudshetdoh are constituted with the active involvement of the villagers with strong support of the Traditional Institutions (Village Durbar/Council). The two Watershed Committee had 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)	Designa tion	M/F	SC	ST	SF	MF	LF	Land-less	UG	SHG	GP	Any other	Educa- tional qualify- cation	Function/s assigned#
	East			Chairman	2M	-	ST							2		Cl – X	A to I
East Khasi	Khasi	Phudstien		Secretary	2M	•	ST								2	CL-XII	A to I
Hills	Hills	WC	04/04/2011	Member	16 M	-	ST				2	2	4	8		Cl – VI	Do
District	District – IWMP –	Puudshetdoh WC	0 1/0 1/2011	Member	6 F	-	ST					4	2			to B.A	Do
	V V	wC		Member													

A. PNP and PR

- 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	Names of		l no. of reg	istered S	SHGs	No. o	of men	nbers				S/ST in egory		of B ch cate	PL in egory
of the Districts	projects	With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total
East	EKH.					(i) Landless									
Khasi	IWMP	_	3 Nos	1	4 Nos	(ii) SF									
Hills	V	_	31108	Nos	41103	(iii) MF	7	5	12	7	5	12	NA	NA	NA
111113	V					(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	Names of		Total	no. of Ugs		No.	of mei	nbers			SC/S'	T in each		of BPL i	
Districts	Projects	Men	Wom en	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 mancia	1 13. 111 1ak	11)
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	Megh alaya	East Khasi Hills	East Khasi Hills – IWMP V	6.0 Lakhs	9 Nos Construction Spring Tap Chambers	6.0	6.0	0.0	N.A	N.A

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 activi ties	Baseline survey	Hydro - geolog ical survey	Identifyin g technical support agencies	Resour ce agree- ments	Preparat ion of DPR	Evaluatio n of DPR	Any other (please specify)	Cost incurred (Rs . In lakh)
East Khasi Hills	East Khasi Hills – IWMP V	2 no. W/C 9 nos. Sub Watershed Committee at each benefiting village	3 nos.	-	4 Nos Participatory Rural Appraisals	N.A	Done	Done	Done	Done	Entry Point Activity	1.50

4.2 Watershed Works Phase:

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

1	2	3	4	5		6								7					
						Pre Proje	ect						Propo	sed Projec	t				
S	Nam	Name						Augm		repair of actures	existing	Cor	struction	of new str	uctures		Tota	ıl target	
1. N o	e of State s	of Distri cts	Name of Projects	Type of structures	No	Area irriga ted (ha)	Stora ge capac ity	No	Area to be treate d (ha)	Storag e capaci ty	Estimat ed cost (in lakhs)	No	Area to be treated (ha)	Storage capacit y (per unit)	Estimate d cost (in lakhs)	No	Area to be treated (ha)	Storag e capaci ty (m³)	Estima ted cost
1				(i) Tank	-	-	-	9 Nos.	-	12 m ³	6.00	-	-	-	-	-	-	-	-
				(ii) Pond	1	-	-	-	-	-	-	39no s.	160 Ha	2500 m ³	12.48	39n os.	160 Ha	42500	12.48
				(iii) Lake	-	-	-	-	-	ı	-	-	-	-	-	-		-	-
		East	East Khasi	(iv) Check Dam	-	-	-	-	-	-	-	18no s	60На	1500 m ³	5.90	18 nos.	60 Ha	28500	5.90
	Meg hala ya	Khas i	Hills – IWMP V	(v) Percolatio n Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	<i>J</i>	Hills		(vi) Channel	-	1	-	ı	-	-	-	-	-	-	-	ı	-	-	-
				(vii) Any others (Protectio n wall)															
			Total					9 nos.	-	12 m ³	6.00	57 nos	220 Ha	3500 m ³	18.38	57n os.	220 Ha	71000 m ³	18.38

						8					9	10
				Acł	nievement	due to proj	ject					
Augm		repair of	existing	Co	nstruction	of new stru	ıctures	Тс	otal achievem	ient	Change in storage capacity (col 8-6)	Change in irrigated area (ha) Col. (8- 6)
No	Area irrigate d (ha)	Storage capacity	Expenditu re incurred (in lakhs)	No	Area irrigated (ha)	Storage capacity	Expenditur e incurred (in lakhs)	Area irrigated (ha)	Storage capacity	Estimated incurred		-
9 Nos	-	12 m^3	6.00	1	-	-	-	-	-	-	-	
-	-	-	-	25 nos.	30 Ha	2500 m ³	8.496	30 Ha	42500 m ³	8.496	42500 m ³	30 Ha
-	-	-	-	1	-	-	-	-	-	-	-	-
-	19 COLUMN 1500 3 0 520 COLUMN 20500 3 0 520							9.528	28500 m ³	60 Ha		
9 Nos.	-	12 m ³	6.00	44 nos.	90 Ha	3500 m ³	18.024	90 Ha	71000 m ³	18.024	71000m ³	90 Ha

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

1	2	3	4	5		6					7								8				9
					Pre	-project				Propo	osed targ	et					Achi	eveme	nt due to p	project			
	S. Names of No. States District	OI	of	Type of structures	No.	Area irrigated	exis	entation/ 1 ting recha structure	urging		structior arging st	of new cructures	Total	target		entation/ resting rechar			struction o		Total achi	ievement	Change in irrigated area (Col. 8-
		Districts	projects			(ha)	No.	Area to be irrigated (ha)	Estimat ed cost	No.	Area to be irrigate d (ha)	Estimate	Area to be irrigated (ha)	Estimate d cost	No.	irrigated	Expen di-ture incurre d	No	Area irri- gated (ha)	Expen di-ture incurre d	gated	Expendi -ture incurred	
				(i)Open wells																			
				(ii)Bore wells							-												
				(iii)Any others (Pl. specify)		Nil		Nil			Nil		Nil			Nil			Nil		Nil		
				Total for the project																			

4.2.3 Activities executed by User Groups in the Project Areas.

	2				3			
		Ma	jor activities o	f the UGs –	Γargets			
Names of Districts	Names of		Structure/ act	tivity propos	ed	No. of UGs	Estimate	Amount of WDF
	Projects	Sl. No.	Туре	No.#	Treatment (ha)	involved	d Cost	to be collected (₹)
East Khasi Hills	East Khasi Hills – IWMP V	1. 2.	Rice Mill Betel Nut Soak Tank	2 units 2 units	-	2 nos. 2 nos.	2.00 2.50	0.10 0.125

4.2.4 Activities executed by User Groups in the Project Areas:

				4									
	Major activities of the UGs – Achievements												
	Structure/	activity		No. of UGs	Expenditure	No. of	manda	ys	Amount of WDF				
Sl. No.	Туре	No.#	Treated Area (ha.)	involved	incurred (₹)	SC	ST	F	collected (₹)				
1. 2.	Rice Mill Betel Nut Soak Tank	2 nos. 2 nos.	-	2 nos. 2 nos.	2.00 2.50	-	1400 1600	-	0.10 0.125				

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

1	2		3	
		Maj	or activities of the SI	HGs
Names of the Districts	Names of projects	Name of activity	No. of SHGs involved	Average annual income from activity per SHG (Amount in ₹)
		1. Tailoring	-	-
		2. Hollow Block	-	-
	East Khasi Hills –	3. Piggery Farming	8 nos.	85,000
East Khasi Hills	IWMP V	4. Rice Mill	2 Nos	60,000
	I VV IVII V	5. Pisciculture	6 Nos	60,000
		6. Canes & Handicraft	-	-
		8. Grocery shop	-	-

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	Total as	ssistance re (Amou	ceived by t nt in ₹)	he SHG	Total annual	Total annual Savings (₹)			SHGs d as	Total Amount of loan sanctioned by the bank(s)	No. of
SHGs given training	Loan from revolving fund	Training	Material	Others (pl. specify)	Income generated (₹.)		I	II	III		SHGs federated

4.2.7 Other activities of watershed works phase:

1	2	3		4	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 demonstra- tions		Pasture develop- ment		Veterinary services		Fishery development		Coventional		Others (Off Farm Service)		Fotal cost incurred (₹). In lakhs)	
		(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)		
EKH	IWMP -V	260.0 Ha	14.56	370 Ha	33.0 Ha	-	-	370 Ha.	26.94	350	8.75	1	-	68	14.24	10	3.00	-	-	77	8.50	109.50	

4.2.8 Details of engineering structures in watershed works:

1	2	3		4		5			6	7					8							
			Type of treatment			Type of land			Executing agency			Т	arge	et		Achievement						
District	Project		(i) Ridge area (R)	(ii) Drainage line (D)	Drainage Land (line Dev. v				(i) UG (ii)SHG (iii) Others (pl. specify)	No. of units (No./ cum./ rmt)	Estimated cost (₹ in lakh) M W O T		₹in	month & year of completion	No. of units (No./ cu.m./ rmt)	Expend incurr (₹ in la		rrec lakl	d h)	Status of completion	Actual month & year of completion (mm/yyyy)	
		Staggered trenching																				
		Loose boulder Contour bund	R	-	-	P	-	-	Benefi- ciary	55 Ha				3 yrs	-	-	-	1	-	-	-	
		Graded bunding																				
		Bench terracing			L	P			Benefi- ciary	10 Ha				3 yrs								
		CC checks dams		D					Do	60 Ha				3 yrs								
		P/wall		D					Do	150 Ha				3 yrs								
		W H Structure		D					Do	160 Ha				3 yrs								
		Run off Disposal drain		D					Do	5410 Rm				3 yrs								
		Underground dykes																				
		Field bunds																				
		Any others (pl. specify)																				

Contd.

4.2.9 Details of engineering structures in watershed works.

							9												
	Outcomes																		
Reduction in	Area	Water le	evel (m)	Production (quintal)		Income (₹)			Ma	andays g	enerated		No. of beneficiaries						
	treated#									0.1									
run off (cu.m)	(ha)	Pre- project	Post project	Pre- project	Post project	Pre- project Post project		SC	ST	Others (Men)	Women	Total	SC	ST	Others	Women	Total		
Na	435	Na	-	Na	-	Na	-	-	23700	14300	9400	23700	-	120	70	50	120		

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

1	2	3		4		5			6			7		8					
			Type of treatment			Type of land			Executing agency		-	Γarget				Achievement	ment		
Dist rict	Pro ject		area ge line dev		(i) Priv ate	I Om	ie (ni i	(i) UG (ii)SHG (iii) Others (pl. specify)	Area (ha)	No. of plants	Estimat ed cost (₹. in lakh)	Expecte d month & year of comple- tion (mm/ yyyy)	Area (ha)	No. of plant s	Expenditure incurred (₹. in lakh)	Actual month & year of comple-tion (mm/ yyyy)			
		Afforestation																	
		Regeneration	R			✓				180 ha		6.48	3 yrs	-	-	-	-		
		Agro-forestry	R				✓			80 ha		8.08	3yrs	-	-	-	-		
		Fuel wood																	
		Fodder																	
		Agro- Horticulture			L	✓				132 ha		11.222	3 yrs	-	-	-	-		
		Pasture dev.																	
		Nursery raising														·			
		Others								-		-	=	-	-	-	-		

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							
							Outcon	nes						
Reduction in	Produ		Inco				Mandays g	enerated	ı		1	No. of bene	eficiaries	
run off	(quir	ntal)	(R	S .)		S								
(cu.m)	Pre-	Post	Pre-	Post	SC	T	Others	Women	Total	SC	ST	Others	Women	Total
(* 33323)	project	project	project	project		_								
<u> </u>														

4.2.12 Details of allied / other activities:

1	2	3		4		5		6		7
			T	ype of la	and	Executing agency	,	Гarget	Achi	evement
District	Project	Name of activity@	(i) Private	(ii) Comm unity	(iii) Others (landle ss)	(i) UG (ii)SHG (iii) Others (pl. specify)	Estimated cost (₹. in lakh)	Expected month & year of completion (mm/yyyy)	Expenditure incurred (₹. in lakh)	Actual month & year of completion (mm/yyyy)
		Tailoring 20 units				Individual	1.60	3 yrs.		
	1. Phudstein	Carpentry/ Agri-implements/ Basket making etc 40 units				Individual	2.00	3 yrs.		
East	2.	Fishery 10 units				Community	3.00			
	Phudshet	Piggery 28 units				Individual	2.24	3 yrs		
Khasi		Holow Block 8 units				Individual	0.40	3 yrs.		
Hills	doh	Piggery Farming 40 units				Individual	12.0	3 yrs.		
		Kitchen gardening 350 units				Individual	8.75	3 yrs.		
	IWMP V	Rice Mill 2 units				SHG's	2.00	3 yrs.		
		Betel Nut processing 2 units				SHG's	2.50	3 yrs		

(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						
				Out	comes						
Income (₹)			M	andays gen	erated]	No. of bene	eficiaries	
Pre-project	Post project	SC	ST	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		(5				7			
						Tar	get			A	chieveme	nt		
Districts	Names of projects	the villages	CPR particular ₹	Activity proposed	Target area under the activity	Estimated expenditure (₹)	Expected no. of beneficia-	contri bution	Area treated under the activity	Expenditu re incurred	Actual no. of benefici-	ma	o. of indays	WDF collecte
					(ha)	(1)	ries	to WDI (t)	(ha)	(₹)	aries	SC	ST	$F = \frac{u(x)}{x}$
		Dangar	D/Water		-	1.215		0.060						
		Dombah	Do		-	0.230		0.011						
		Pynden Dakni	Do		-	0.419		0.020						
		Umsawrang	Do		-	0.417		0.023						
		Mawryngkang	Do		-	0.450		0.022						
		Langsymphut	Do		-	0.775		0.038						
		Mawteibah	Do		-	0.250		0.012						
		Mawlynnu	Do		-	0.514		0.025	_					
		Weiloi	Do		-	0.670		0.033						
		TOTAL				5.000		0.244						

CHAPTER V PROJECT PHASING & BUDGETING

CHAPTER V PROJECT PHASING & BUDGETING

ACTION PLAN FOR IWMP PROJECT-V PHUDSTEIN AND PHUDSHETDOH MICRO WATERSHED 2010 – 11

Name of District: East Khasi Hills

No. of villages – 9 nos.

Name of C&RD Block:

MAWSYNRAM

Project Area – 1000 Ha.

Sl.		I st Y	ear	II nd Y	'ear	III rd	Year	IV th Y	ear	V th Y		Tot	al
No	Activities	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Ι	MANAGEMENT COST:												
Α.	Administrative cost:		0	2%	3	5%	7.5	3%	4.5	-		10%	15
				Months		months		months					
i.	Honourarium of WDT Members @ ₹ 5000/ month – 1 no.			12	0.6	12	0.6	12	0.6	-		3 yrs	1.8
ii.	Hon ^{rm} of Watershed Volunteers @ ₹ 2500/- month – 2 nos.			12	0.6	12	0.6	12	0.6	-		3 yrs	1.8
iii.	Hon ^{rm} WCO's @ ₹ 750/ month.			12	0.09	12	0.09	12	0.09	-		3 yrs	0.27
iv.	Hon ^{rm} WCM @ ₹ 100/members/ month for 25 nos.			12	0.30	12	0.3	12	0.3	-		3 yrs	0.9
v	Hon ^{rm} Office assistance @ ₹5000/- month.			12	0.6	12	0.6	12	0.6	-		3 yrs	1.8
vi	Hon ^{rm} Chartered Accountant			1	0.15	1	0.15	1	0.15	-		3 yrs	0.45
vii	TA/DA of Field Asstt. @ ₹ 5000/ month			6	0.3	12	0.6	12	0.6	-		2.5 yrs	1.5
viii	Hiring charges of office building @ ₹1000			12	0.12	12	0.12	12	0.12	-		3 yrs	0.36
ix.	Hiring charges of vehicle @ ₹5000/ month			1	0.05	12	0.6	12	0.6	-		2.5 yrs	1.25
X	Office expenses, POL, Stationeries, printing of SHG's books, pamphlets, tea, snacks etc, cost of camera.			-	0.19	-	3.84	-	0.84	-		-	4.87
	Total of A:			2.00%	3.00	5.00%	7.50	3.00%	4.5	0.0%	0	10.00%	15

	PREPARATORY PHASE :												
В.	Entry Point Activities:	4%	6	-	-	-	-	-	-	-	-	4%	6
i.	Drinking well & Washing place	9 units	6	-	-	-	-	-	-	-	-	9 units	6
	Total of B:	4%	6			-		-		-	-	4%	6
C.	Training:	1%	1.5	2%	3	1%	1.5	1%	1.5	1	-	5%	7.5
i.	Awareness Campaign & Capacity building	1 no	0.6	-		-						1 no	0.6
ii.	Exposure visits – off. Campus			2 nos	0.6	-		1 no.	0.3	ı		3 nos	0.9
iii.	Capacity building of SHG's/ UG's.	2 nos.	0.3	7 nos.	1	4 nos.	1	2 nos.	0.6	-	-	15 nos.	2.9
iv.	Capacity building of WC Members.	2 nos.	0.3	4 nos.	0.75	1no.	0.25	1 no.	0.3	I	-	8 nos.	1.6
v.	Capacity of WDT/WV	2 nos.	0.3	4 nos.	0.65	1 no.	0.25	1 no.	0.3	ı	-	8 nos.	1.5
	Total of C:	1.00%	1.5	2.00%	3	1.00%	1.5	1.00%	1.5	-	-	5.00%	7.5
D.	Detailed Project Report:	1%	1.5			-	-	-	-	-	-	1%	1.5
i.	Cost of Resources Inventories works	-	0.25	-	-	-	-	-	-	ı	-	-	0.25
ii.	Cost of PRA Exercises	-	0.5	-	-	-	-	-	-	-	-	-	0.5
iii.	Cost of Land use Survey works		0.05										
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	-	0.25	-	-	-	-	-	-	-	-	-	0.25
iv.	Cost of formulating	-	0.25	-	-	-	-	-	-	-	-	-	0.25
iv.	· ·	- 1%		-	-	-		- -	-			- - 1%	
iv.	Cost of formulating	1%	0.5	-	-				-	-	-		0.5
	Cost of formulating Total of D: Monitoring & Evaluation:(internal		0.5 1.5	0.20%	0.3				0.45	-	-	1%	0.5 1.5
Е.	Cost of formulating Total of D: Monitoring & Evaluation:(internal monitoring and social audit)		0.5 1.5	0.20%		-	-	-		-	-	1% 2%	0.5 1.5
E.	Cost of formulating Total of D: Monitoring & Evaluation:(internal monitoring and social audit) Monitoring	-	0.5		0.3	0.50%	0.75	0.3%	0.45	-	-	1% 2% 1%	0.5 1.5 3 1.5

П	PROJECT COST/WATERSHED WORKS PHASE:										
Α.	Arable Land Treatment:										
	Loose boulder Contour Bunds @ ₹ 7500/ ha for										
i.	55 ha	-	-	25Ha	1.88	30 Ha	2.25			55 Ha	4.125
ii	Bench terracing 10 ha ₹ 20,000(i)IWMP	-	-	5 Ha	1.00	5 Ha	1			10 Ha	2.00
iii.	Agro-Horticulture Devt. ₹8600/ ha for 80 ha for Citrus	-	-	80 Ha	1.04	80 Ha	3.68	80 Ha	2.16	80 Ha	6.88
	b) Temperate @ Rs8350 for 52 Ha			52 Ha	0.572	52 Ha	2.5376	52 Ha	1.23	52 Ha	4.342
						10900					
iv	Peripheral Bunding @ Rs 50/Rm			8286Rm	4.14	Rm	5.45			19186	9.593
	Total of A:	-	-	-	8.63	-	14.92	-	3.39	-	26.94
B.	Non- Arable Land Treatment:										
i.	Afforestation 80 Ha @ ₹ 10,100	-	-	80 Ha	1.36	80 Ha	4.4	80 Ha	2.31	80 Ha	8.08
ii	Improvement of existing Degraded Forest – 1										
	180 ha @ ₹3600/-	-	-	180 Ha	1.26	180 Ha	3.42	180 Ha	1.8	180 Ha	6.480
	Total of B:	-	-	-	2.62	-	7.82	-	4.11	-	14.56
C	Drainage Line Treatment:										
i.	Water Harvesting Structures -39 nos	-	ı			35Nos	11.2	4 Nos	1.28	39 Nos	12.48
ii.	Check Dam, 18 Nos	-	-			15 Nos	4.92	3 Nos	0.984	18 Nos	5.90
iii	Protection wall -60 Nos	-	-			55 Nos	12.65	5 Nos	1.05	60 Nos	13.70
iv	Run off Disposal drain					3800 Rm	0.99	1610 Rm	0.42	5410 Rm	1.41
	Total of C:	-	-	-	0	-	29.76	-	3.734	-	33.49
	Total of $A + B + C$	_	-	7.50%	11.25	35.00%	52.50	7.50%	11.25	50.00%	75.0

		1											
D	Livelihood Activities for landless persons:		1		,		1			1	1		,
i.	Tailoring @ ₹ 8,000	-	-			10 units	0.80	10 units	0.8			20 units	1.60
ii.	Carpentry/ @ ₹ 5000	-	-			24 units	1.20	16 units	0.8			40 units	2.00
ii	Masonry/ Hallow block making @ ₹ 5000/-	-	-			8 units	0.40					8 units	0.40
iv	Poultry / Piggery @ ₹ 8,000/-					10 units	0.80	18 units	1.44			28 units	2.24
v	Kitchen Gardening @ ₹ 2500/-			60 units	1.5	52 units	1.30	238 units	5.95			350 units	8.75
	Total of D:	-	-	1.0%	1.5	3.0%	4.5	6.0%	9.0			10.0%	15.0
Е.	Production System and Micro Enterprises (SHG's):									•			
i.	Betel nut soaking Tank @ ₹ 50,000/-	-	-	3 units	1.5		0.00	2 units	1			5 units	2.5
ii	Pisciculture @ ₹ 30,000/	-	-			5 units	1.50	5 units	1.50			10 units	3
iii	Piggery / Poultry @ ₹ 30,000/	-	-			20 units	6.00	20 units	6.00			40 units	12
iv	Rice Mill @ ₹. 50,000/	-	-				0.00	4 units	2.00			4 units	2
	Total of E:			1.00%	1.50	5.00%	7.5	7.00%	10.5			13.00%	19.5
F.	Consolidation & Exit Phase:												
i.	Repairs, Maintenance of CPR's.	-	-	-	-	=	-	-	-	-	3	-	3
ii.	Improving the sustainability of various Interventions	-	-	-	-	-	-	-	-	-	2	-	2
iii.	Documentation of successful experiences & Preparation of Completion Report	-	-	-	-	-	-	-	-	-	2.5	-	2.5
	Total of F:	-	-			-	-	-	-	_	7.5	-	7.5
	Total of II (A+B+C+D+E+F)			9.5%	14.25	43.0%	64.5	20.49%	30.74	5%	7.5	78.0%	117.0
	Grand Total (I + II)	6%	9.00	14%	21.0	50%	75.0	25.0%	37.49	5%	7.5	100%	150.0
	MNREGA COMPONENT					MNREGA	27.914	MNREGA	14.5			MNREGA	42.364

VILLAGE WISE ACTION PLAN OF PHUDSTEIN & PHUDSHETDOH MICRO WATERSHED UNDER IWMP – V TERRITORIAL DIVISION : SHILLONG.

NAME OF DISTRICT : EAST KHASI HILLS NAME OF C&RD BLOCK : MAWSYNRAM

NO. OF VILLAGES – 9 NO PROJECT AREA – 1000 H

SL			DAN	GAR	DOM	BAH	UMSAW	RANG	PYNDE	NDAKNI	MAWRY	NGKANG	LANGS	YMPHUT	MAW	ГЕІВАН	MAW	LYNNU	WEI	LOI	TOT	AL
NO	ACTIVITIES	UNITS	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	FIN	PHY	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	1
3	Watershed Works Phase																					
(A)	Arable Land Treatment																					
(i)	Loose Boulder Bunds	0.08	13	0.98	2	0.15	5	0.38	5	0.38	6	0.45	7	0.525	2	0.15	10	0.75	5	0.38	55	4.
(ii)	Bench Terracing	0.2	-	0	-	0	-	0	-	0	2	0.4	2	0.4	2	0.4	2	0.4	2	0.4	10	
	(a) IWMP																					
	(b) MNREGA																					
(iii)	Agro – Horticulture (a) Citrus	0.09	40	3.44	10	0.86	20	1.72	10	0.86											80	6
	(b) Temperate	0.08	-		-		-		-		14	1.169	14	1.169	8	0.668	8	0.668	8	0.67	52	
(iv)	Peripheral bunding	0	1000	0.5	1200	0.6	1606	0.8	2400	1.2	2500	1.25	3600	1.8	1960	0.98	3960	1.48	1960	0.98	19186	9.1
	Total of A – Arable Land Treatment :			4.9		1.6		2.9		2.44		3.27		3.894		2.198		3.298		2.42	13100	3.
(B)	Non Arable Land Treatment																					
(i)	Afforestation/Agro Forestry	0.1	20	2.02	5	0.51	10	1.01	10	1.01	7	0.707	10	1.01	6	0.606	8	0.808	4	0.4		
																					80	8
(ii)	Improvement of Degraded Forests	0.04	100	3.6	10	0.36	10	0.36	20	0.72	-		-				20	0.72	20	0.72	180	6
	Total of B - Non Arable Land Treatment :			5.6		0.9		1.4		1.73		0.71		1.01		0.606		1.528		1.12		

(C)	Drainage Line Treatment																					
(i)	Water Harvesting Works (a) IWMP	0.32	9	2.88	6	1.92	0		0		6	1.92	6	1.92			6	1.92	6	1.92	39	12
	(b) MNREGA	0.32	<u> </u>	2.88	0	1.92	0		0		0	1.92	0	1.92			0	1.92	0	1.92	0	
(ii)	Water Distribution Check Dam (a) IWMP	0.33	6	1.97	3	0.98	3	0.98	3	0.98	3	0.984									18	5.
	(b) MNREGA																				0	
(iii)	Protection Walls (50 ha) (a) IWMP	0.2	12	2.74	5	1.14	6	1.37	6	1.37	8	1.826	8	1.826	2	0.457	7	1.598	6	1.37	60	13
	(b) MNREGA			2.74		1.17		1.57		1.57		1.020		1.020				1.570		1.37	- 00	10
(iv)	Run Off Disposal Drains (20 ha)	26	500	0.13	500	0.13	500	0.13	500	0.13	1000	0.260	1500	0.39	500	0.13	310	0.081	100	0.03	5410	1
	Total of (C) Drainage Line Treatment :			7.7		4.2		2.5		2.48		4.99		4.136		0.587		3.599		3.32		
	TOTAL (A+B+C)			18		6.7		6.8		6.65		8.97		9.04		3.391		8.425		6.86	50.0%	7.
(D)	Livelihood Activities																				30.070	
	Livelinoou receivees																					0
(i)	Tailoring	0.08	3	0.24	1	0.08	1	0.08	2	0.16	2	0.16	3	0.24	2	0.16	3	0.24	3	0.24	20	0
(i) (ii)	Tailoring Carpentry/ Agriculture	0.08	3	0.24	1 3	0.08	1 4	0.08		0.16		0.16	3	0.24	2	0.16		0.24	3	0.24		
` ′	Tailoring				1 3 0		1 4 1		6		2 4 1						3 6 1				40	2
(ii)	Tailoring Carpentry/ Agriculture Implements	0.05	3	0.15	0	0.15	1	0.2	6	0.3	4	0.2	6	0.3	4 1	0.2	6	0.3	4 1	0.2	40 8	0
(ii)	Tailoring Carpentry/ Agriculture Implements Hollow block making	0.05	3	0.15		0.15		0.2	6	0.3	4	0.2	6	0.3	4	0.2	6	0.3		0.2	40	0 2
(ii) (iii) (iv) (v)	Tailoring Carpentry/ Agriculture Implements Hollow block making Piggery/Poultry Kitchen Gardening Total of (D):	0.05 0.05 0.08	3 1 4	0.15 0.05 0.32	0 3	0.15 0 0.24	3	0.2 0.05 0.24	6 1	0.3 0.05 0.24	3	0.2 0.05 0.24	6 1	0.3 0.05 0.24	4 1 3	0.2 0.05 0.24	6 1 3	0.3 0.05 0.24	4 1 3	0.2 0.05 0.24	40 8 28	2 0 2 8
(ii) (iii) (iv)	Tailoring Carpentry/ Agriculture Implements Hollow block making Piggery/Poultry Kitchen Gardening	0.05 0.05 0.08	3 1 4	0.15 0.05 0.32 2.5	0 3	0.15 0 0.24 0.5	3	0.2 0.05 0.24 0.5	6 1	0.3 0.05 0.24 0.63	3	0.2 0.05 0.24	6 1	0.3 0.05 0.24 0.5	4 1 3	0.2 0.05 0.24 0.5	6 1 3	0.3 0.05 0.24 1.125	4 1 3	0.2 0.05 0.24 1.5	40 8 28 350	2 0 2 8
(ii) (iii) (iv) (v)	Tailoring Carpentry/ Agriculture Implements Hollow block making Piggery/Poultry Kitchen Gardening Total of (D): Production System and	0.05 0.05 0.08	3 1 4	0.15 0.05 0.32 2.5	0 3	0.15 0 0.24 0.5	3	0.2 0.05 0.24 0.5	6 1	0.3 0.05 0.24 0.63	3	0.2 0.05 0.24	6 1	0.3 0.05 0.24 0.5	4 1 3	0.2 0.05 0.24 0.5	6 1 3	0.3 0.05 0.24 1.125	4 1 3	0.2 0.05 0.24 1.5	40 8 28 350	2 8 1

(iii)	Grocery Shop/Rice Mill	0.5	2	1	0	1	0.5		0	0	0	0	_	1		0	_	
						1							2				5	
(v)	Betel nut Soak Tank	0.5	2	1	0	0	0		0.5	0	0	0		0		0.5		
` ′								1							1		4	2
	Total of (E):			4.7	0.9		1.7		2.3	1.5	1.8	0.9		3.1		2.6		
				-			-										13.0%	. 19
	Grand Total :			26	8.5		9.5		10.3	12.12	12.17	5.441		13.48		11.7		1
	Grand Total .				0.0		7.0		10.0	12.12	12.17			10.10		11,,	73.0%	_

ESTIMATED COST AND THE YEAR IN WHICH PROPOSED FOR EXECUTION.

$NAME\ OF\ WATERSHED\ \underline{PHUDSTEIN\ IWMP\ 2010-2011\ PROJECT-V}\quad AREA\ OF\ WATERSHED\ \underline{500\ HA}\quad NAME\ OF\ VILLAGE\ \underline{UMSAWRANG}$

Sl	Work/Activity	Kind of Area	Size of	Estimated	Programme Year in which Proposed							
No	•		Area/Work	Cost (Lakh)	Under which	2010 -	2011 -	2012 -	2013 -	2014 -		
					Proposed	2011	2012	2013	2014	2015		
1	2	3	4	5	6	7	8	9	10	11		
(i)	Water											
	Conservation/Harvesting											
	• Check Dam cum Washing	CommunityLand		1.4834	MGNREGA		0.89004					
	Platform				IWMP		0.59336					
(ii)	Protection Work											
	Erosion Protection Works	Do		0.6116	MGNREGA		0.36696					
	in Agril. Lands/Protection				IWMP		0.24464					
	Wall											
			TOTAL:	2.095	MGNREGA		1.257					
					IWMP		0.838					
						TOTAL:	2.095					

ESTIMATED COST AND THE YEAR IN WHICH PROPOSED FOR EXECUTION.

NAME OF WATERSHED PHUDSTEIN IWMP 2010 – 2011 PROJECT – V AREA OF WATERSHED 500 HA NAME OF VILLAGE DOMBAH

Sl	Work/Activity	Kind of Area	Size of	Estimated	Programme		Year i	n which Prop	osed	
No			Area/Work	Cost (Lakh)	Under which	2010 -	2011 –	2012 –	2013 –	2014 –
					Proposed	2011	2012	2013	2014	2015
1	2	3	4	5	6	7	8	9	10	11
(i)	<u>Water</u>									
	Conservation/Harvesting									
	Check Dam cum Washing	CommunityLand		1.758	MGNREGA		1.0548			
	Platform	Do			IWMP		0.7032			
	Water Harvesting			1.6166	MGNREGA		0.96996			
	Structure				IWMP		0.64664			
			TOTAL:	3.3746	MGNREGA		2.02476			
					IWMP		1.34984			
						TOTAL:	3.3746			

ESTIMATED COST AND THE YEAR IN WHICH PROPOSED FOR EXECUTION.

NAME OF WATERSHED PHUDSTEIN IWMP 2010 – 2011 PROJECT – V AREA OF WATERSHED 500 HA NAME OF VILLAGE DANGAR

Sl	Work/Activity	Kind of Area	Size of	Estimated	Programme		Year	in which Prop	osed	
No	•		Area/Work	Cost (Lakh)	Under which	2010 -	2011 -	2012 -	2013 -	2014 –
					Proposed	2011	2012	2013	2014	2015
1	2	3	4	5	6	7	8	9	10	11
(i)	Water									
	Conservation/Harvesting									
	• Check Dam cum Washing	CommunityLand		1.4197	MGNREGA		0.85182			
	Platform	Do			IWMP		0.56788			
	• Check Dam cum Washing			1.9987	MGNREGA		1.19922			
	Platform	Do			IWMP		0.79948			
	• Check Dam cum Washing			1.9257	MGNREGA		1.15542			
	Platform	2 nos			IWMP		0.77028			
	• Protection Wall			10.494	MGNREGA			3.116	3.18	
					IWMP			2.078	2.12	
			TOTAL:	13.8381	MGNREGA		3.20646	3.116	3.18	
					IWMP		2.13764	2.078	2.12	
						TOTAL:	5.3441	5.194	5.30	

ESTIMATED COST AND THE YEAR IN WHICH PROPOSED FOR EXECUTION.

NAME OF WATERSHED PHUDSHETDOH IWMP 2010 – 2011 PROJECT – V AREA OF WATERSHED 500 HA NAME OF VILLAGE WEILOI

S1	Work/Activity	Kind of Area	Size of	Estimated	Programme		Year	in which Prop	osed	
No			Area/Work	Cost (Lakh)	Under which	2010 –	2011 -	2012 -	2013 –	2014 -
					Proposed	2011	2012	2013	2014	2015
1	2	3	4	5	6	7	8	9	10	11
(i)	Water Conservation/									
	Harvesting									
	Water Harvesting	CommunityLand		1.9997	MGNREGA		1.19982			
	Structure				IWMP		0.79988			
(ii)	Protection Work									
	Erosion Protection Works	Do		0.8009	MGNREGA		0.48054			
	in Agril. Lands/Protection				IWMP		0.32036			
	Wall									
(iii)	Terracing	Individual Land	8 ha	1.60	MGNREGA			0.80		
					IWMP			0.80		
			TOTAL:	4.4006	MGNREGA		1.68036	0.80		
					IWMP		1.12024	0.80		

ESTIMATED COST AND THE YEAR IN WHICH PROPOSED FOR EXECUTION.

NAME OF WATERSHED PHUDSHETDOH IWMP 2010 – 2011 PROJECT – V AREA OF WATERSHED 500 HA NAME OF PANCHAYAT/BLOCK/DISTRICT MAWSYNRAM C&RD BLOCK, EAST KHASI HILLS DISTRICT

Sl	Work/Activity	Kind of Area	Size of	Estimated	Programme		Year	in which Prop	osed	
No			Area/Work	Cost (Lakh)	Under which	2010 -	2011 -	2012 -	2013 -	2014 -
					Proposed	2011	2012	2013	2014	2015
1	2	3	4	5	6	7	8	9	10	11
(i)	Water Conservation/									
	<u>Harvesting</u>									
	• Check Dam cum	CommunityLand		1.5127	MGNREGA		0.90762			
	Washing Platform	Do			IWMP		0.60508			
	Check Dam cum			1.4403	MGNREGA		0.86418			
	Washing Platform				IWMP		0.57612			
(ii)	Terracing	Individual Land	8 ha	1.60	MGNREGA			0.80		
					IWMP			0.80		
			TOTAL:	4.553	MGNREGA		1.7718	0.80		
					IWMP		1.1812	0.80		

ESTIMATED COST AND THE YEAR IN WHICH PROPOSED FOR EXECUTION.

NAME OF WATERSHED <u>PHUDSHETDOH IWMP 2010 – 2011 PROJECT – V</u> AREA OF WATERSHED <u>500 HA</u> NAME OF VILLAGE <u>MAWRYNGKANG</u>

Sl	Work/Activity	Kind of Area	Size of	Estimated	Programme		Year	in which Prop	osed	
No			Area/Work	Cost (Lakh)	Under which	2010 -	2011 -	2012 –	2013 –	2014 -
					Proposed	2011	2012	2013	2014	2015
1	2	3	4	5	6	7	8	9	10	11
(i)	Water Conservation/									
	<u>Harvesting</u>									
	Drinking Well cum	CommunityLand	1 nos	1.9795	MGNREGA		1.1877			
	Washing Platform	Do			IWMP		0.7918			
	Check Dam cum		1 nos	1.4177	MGNREGA		0.85062			
	Washing Platform				IWMP		0.56708			
(ii)	Irrigation Facility	Do	1 nos	0.3296	MGNREGA		0.19776			
					IWMP		0.13184			
(iii)	Protection Wall	Do	1 nos	2.942	MGNREGA			1.765		
			1 1105		IWMP			1.177		
(iv)	Terracing	Individual Land	10 ha	2.0	MGNREGA			1.00		
			10 11α		IWMP			1.00		
			TOTAL:	8.6688	MGNREGA		2.23608	3.765		
					IWMP		1.49072	2.177		

ESTIMATED COST AND THE YEAR IN WHICH PROPOSED FOR EXECUTION.

NAME OF WATERSHED PHUDSHETDOH IWMP 2010 – 2011 PROJECT – V AREA OF WATERSHED 500 HA NAME OF VILLAGE LANGSYMPHUT

Sl	Work/Activity	Kind of Area	Size of	Estimated	Programme		Year	in which Prop	osed	
No	•		Area/Work	Cost (Lakh)	Under which	2010 -	2011 -	2012 –	2013 –	2014 –
					Proposed	2011	2012	2013	2014	2015
1	2	3	4	5	6	7	8	9	10	11
(i)	Water Conservation/									
	<u>Harvesting</u>									
	• Drinking Well cum	CommunityLand	1 nos	1.7766	MGNREGA		1.06596			
	Washing Platform	Do			IWMP		0.71064			
	• Water Harvesting		1 nos	1.6608	MGNREGA		0.99648			
	Structure				IWMP		0.66432			
(ii)	Protection Wall		2 nos	5.887	MGNREGA			3.532		
					IWMP			2.355		
(iii)	<u>Terracing</u>	Individual Land	8 ha	1.60	MGNREGA			0.80		
					IWMP			0.80		
			TOTAL:	10.9244	MGNREGA		2.06244	4.332		
					IWMP		1.37496	3.155		

ESTIMATED COST AND THE YEAR IN WHICH PROPOSED FOR EXECUTION.

NAME OF WATERSHED PHUDSHETDOH IWMP 2010 – 2011 PROJECT – V AREA OF WATERSHED 500 HA NAME OF VILLAGE MAWLYNNU NAME OF PANCHAYAT/BLOCK/DISTRICT MAWSYNRAM C&RD BLOCK, EAST KHASI HILLS DISTRICT

Sl	Work/Activity	Kind of Area	Size of	Estimated	Programme		Yea	r in which Pro	posed	
No			Area/Work	Cost (Lakh)	Under which	2010 -	2011 –	2012 -	2013 –	2014 -
					Proposed	2011	2012	2013	2014	2015
1	2	3	4	5	6	7	8	9	10	11
(i)	Water Conservation/									
	<u>Harvesting</u>									
	• Check Dam cum	CommunityLand	1 nos	1.4708	MGNREGA		0.88248			
	Washing Platform	Do			IWMP		0.58832			
	• Check Dam cum		1 nos	1.4863	MGNREGA		0.89178			
	Washing Platform				IWMP		0.59452			
(ii)	Irrigation facility C.C.	Do	1 nos	1.8812	MGNREGA		1.12872			
	Channel				IWMP		0.75248			
(iii)	Protection Work									
		Do	2 nos	4.0822	MGNREGA		0.68412	1.765		
					IWMP		0.45608	1.177		
(iv)	Terracing	Individual Land	8 ha	1.60	MGNREGA			0.80		
					IWMP			0.80		
		TOTAL:		10.5205	MGNREGA		3.5871	2.565		
					IWMP		2.3914	1.977		

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

1	2	3	4	5	(<u> </u>	7	8	9	10						11		
	Name of State	Name of Distric	Names of	Year of sanct	Pro dura (dd/i	ntion mm/	Area of the	Project cost (₹. In	Names of Micro watersheds & Code nos. (as	Area (ha) of the projects			ts			ea details within the	(ha)	
N o	State	ts	Projects	ion	From	То	projects	lakh)	per DoLR's unique codification)						(mining	Within the	, projects)	
										Cultiva ted rainfed area	Cultiva ted irrigate d area	Uncult waste		Pvt. Agri. Land	Forest land	Comm unity land	Others (pl. specify)	Total area (ha)
												a) Tempora ry fallow	b) Per manent					
1 N	Meghalaya	East Khasi Hills	East Khasi Hills – IWMP V	2010 -11	2010- 11	2014 -15	1000 Ha	150 Lakhs	1. Phudstein (3C1B51a) 2.Phudshetdoh (3C1B5a1b)	378 Ha	Nil	663	343	378	394	457	155	1384 Ha

Fund provision for the IWMP projects from all sources:

1	2	3	3					4						5
	NT					Funds	from other s	ources in	n addition to	IWMP f	unds	I		
Distri ct	Name of Project	IWMP	Fund		rgence nds	P	PP	Com	nmunity		utional ance		ers (Pl. ecify)	Total
		Central Share	State Share	Name of Scheme	Amount (₹ Lakhs)	Name of private sector	Financial contri- bution	Name	Financial contri- bution	Name	Financi al contri- bution	Nam e	Financia 1 contri- bution	
East Khasi Hills	East Khasi Hills – IWMP V	135 lakhs	15 lakhs	NREGS	42.364	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	192.36 4

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

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

1	2	3	4		5					6		
				Distt.	Agency's Proj	ect Account of	details		Watershed Com	mittee (WC)	account detail	s:
SI. No.	Names of States	Name of Districts	Names of Projects	Name of the Bank and Branch where project account has been opened	Account Number (to be obtained confiden- tially)	Account type (Savings/ Current/ Others)	Name & Designatio n of authorized persons who operate the account.	Name of Watershed Committee	Name of the Bank and Branch where project account has been opened	Account number (to be obtained confiden- tially	Account type (Savings/ current others)	Name & Designation of authorized persons who operate the account.
1	Megha laya	East Khasi Hills	East Khasi Hills – IWMP V	State Bank of India, Polo Branch	309841852 05	Savings	Shri A. S. Kharlukhi, DS&WCO	Phudstein Watershed committee & Phudshetd oh Watershed committee	Meghalaya Rural Bank, bara Bazar Shillong	CNI-305 CNI-306	Savings	Chairman W.C, Secretary W.C, Project Leader / WDT

Details of Convergence of IWMP with other Schemes:

	1	2	3	4	5	6	7
Sl. No.	District	Names of projects	Names of Departments with Schemes converging with IWMP	Fund made available to IWMP due to convergence (₹. in lakh)	Name of activity/task/structure undertaken with converged funds (a) Structures (b) livelihoods (c) Any other (pl. specify)#	Reference no. of activity/ task/ structure in DPR [@]	Level at which decision for convergence was taken ^{Rs}
1	East Khasi Hills	East Khasi Hills – IWMP V	* Community Rural Development Department NREGS	42.364	Construction of Bench Terracing, Water Harvesting Works And Protection Walls	-	Block Level & District Level

Public-Private Partnership in the IWMP projects: NIL

1	2	3		4			5	6	7	8	9
		Name of	Туре	of agreement	t signed		ncial bution				
District	Name of project	Name Private of Sector		b)Contract	c) Any other (pl. specify)	IWMP	Private sector	Partnership Interventions	Expected Outcomes	Actual Outcomes	Comments

^{*} 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 & Designati on of the Head of Institute	Type of Institute#	Area(s) of specialization ^{Rs}	Accreditation details	Reference ence Year	No. of trainees to be trained	No. of trainings conducted	No. of trainees trained
1		NIRD (NER)	Guwahati	Director	Central Govt.	Remote Sensing, Rural Devt.	NA	-			
2		SIRD	Nongsder	Director	State Govt.	CapacityBuilding	NA	-			
3	alaya	RRTC	Umran	Director	Don-Bosco	Agri-Horti, Animal Husbandry, Entrepreneurship	NA				
4	Meghalaya	ICAR	Umiam	Director	Central Govt.	Do	NA				
5		VTC	Kyrdem Kulai	Director	State Govt.	Animal Husbandry	NA				
6		FruitGar den	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)

Rs 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	Total no.	No. of persons	No. of persons to be trained	No. of persons trained during		f funding for aining		s utilized akhs)
Stakeholders	of persons	trained so far	during current financial year	current financial year	a) DoLR	b) Any other (Pl. specify)	a) DoLR	b) Any other (Pl. specify)
SLNA				-				
DRDA/ZP cell				-				
PIAs			25 Nos.	-				
WDTs			20 Nos.	-				
UGs			20 Nos.	-	1.50	-	1.50	-
SHGs			30 Nos.	-				
WCs			16 Nos.	-				
GPs			15 Nos.	-				
Community			350 Nos.	-	1			
Others								
Pl. specify)								

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

	1	2	3	4	5
	Activity	Executing agency	Estimated expenditure (₹)	Expenditure incurred (₹)	Outcome (may quantity, wherever possible)
1.	Awareness	S&WC (T) Division	0.50	0.50	
2.	PRA Exercises	S&WC (T) Division	-	-	
3.	Exposure Visits	S&WC (T) Division	-	-	
4.	CapacityBuilding	S&WC (T) Division	1.00	1.00	

CHAPTER VII EXPECTED OUTCOME

CHAPTER VII EXPECTED OUTCOME

Table 7.1 Employment related outcomes:

						1	1							2			
Sl	Name of				•	Wage em	ploym							lf employ			
No	Village			o. of man	lays	No. of beneficiaries						No. of beneficiaries					
		SC	ST	Others	Women	Total	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total	
1.	Dangar		100 %	8570	2370	10940		100 %	45	30	75		100 %	11	8	19	
2.	Dombah		100 %	1250	820	2070		100 %	10	5	15		100 %	3	2	5	
3.	Pynden Dakni		100 %	2750	1220	3970		100 %	15	10	25		100 %	3	2	5	
4.	Umsawrang		100 %	2550	1690	4240		100 %	10	8	18		100 %	4	4	8	
5.	Mawryngkang		100 %	2430	1620	4050		100 %	16	11	27		100 %	4	5	9	
6.	Langsymphud		100 %	4780	2190	6970		100 %	26	20	46		100 %	4	4	8	
7.	Mawteibah		100 %	1350	900	2250		100 %	18	12	30		100 %	4	2	6	
8.	Mawlynnu		100 %	2780	1850	4630		100 %	14	11	25		100 %	2	2	4	
9.	Weiloi		100 %	4610	1420	6030		100 %	24	16	40		100 %	3	3	6	
			-			45150	_				301					70	

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 (₹. in lakh)	identify majo	d migration or activities of esponsible (b) Livelihoods			
				N	I	L							

^{*} From column no. 2, total number of States; from column no. 3, total no. of Districts; from column no. 4, total no. of projects; from column no. 5, total no. of villages; from column no. 6, total no. of persons migrating; from column no. 7, average no. of days for annual migration; from column no. 9, average distance of migration from the village and form column no. 11, average income from occupation during migration, for the entire country may be given at the end of the Table.

Table 7.3 Economic benefits accrued to women:

1	[2	2		3	4
Wa	iges	Trai	ning	Liv	velihoods	
Woman days	Amount (Rsin lakh)	No. of women participants	Amount (₹in lakh)	No. of women beneficiaries	Value of assistance provided (₹ in lakh)	Total (₹ in lakh)
14080	14.08	150	0.15	40 nos.	5.60	5.75

^{*} 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	Names of the	Particular of CDD	Nature of	Period of	Bei		y details (r milies)	10. of	User Charges Æ\
Districts	projects	villages	of CPR	right	right	SC	St	Others	Total	(₹)
		Dangar	CommunityForest	Fw	12 months	-	224	-	224	Nil
East Kh	nasi Hills	Dombah	CommunityForest	Fw	12 months	-	50	-	50	Nil
Dis	strict	Pynden Dakni	CommunityForest	Fw	12 months	-	45	-	45	Nil
		Umsawrang	CommunityForest	Fw	12 months	-	38	-	38	Nil
ЕКН-Г	WMP-V	Mawryngkang	CommunityForest	Fw	12 months	-	62	-	62	Nil
		Langsymphud	CommunityForest	Fw	12 months	-	82	-	82	Nil
			CommunityForest	Fw	12 months	-	32	-	32	Nil
		Mawlynnu	CommunityForest	Fw	12 months	-	58	-	58	Nil
		Weiloi	CommunityForest	Fw	12 months	-	92	-	92	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 o	ther 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		Open wells	-	-	-	-	-
District	EKH-IWMP V	Bore wells	-	-	-	-	-
		Others (specify)	-	-	-	-	-

* 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		oility of drinki of monyhs in a	0	Qualit	g water	Comments	
District	project	Pre-project	Post- project	Change in availability	Pre- project	Post- project	Change in quality	Comments
East Khasi Hills District	EKH-IWMP V	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							
			Water savings in cu.m.							
District	Name of the project	Name of major crop	through water saving devices ^{Rs}	through water conserving agronomic practices [#]	Any other (pl specify)	Total				
Essa Wheel Hills District		Betel leaf	-	-	-	-				
East Khasi Hills District	EKH-IWMP V	Black Pepper	-	-	-	-				

^{*} 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.

Rs 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 Rabi crop area and yield in the project areas:

1	2	3				4						5						6		
					Pre-project Mid-term							Post-project								
Names of the Districts	Name of Projects	Name of crops	Area (ha)		Average Vield		Proc	Total roduction (Qtl) Area			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.
		Potato	-	130	-	60	-	7000	100	130	65	65	6500	8450	150	200	68	68	9750	13600
East	EKH-	Tapioca	-	30	-	40	-	1800	-	30	-	65	-	1950	-	40	-	65	-	260
Khasi	IWMP V	Betel leaf	-	8	-	9	-	72	-	8	-	9.5	-	76	20	40	10	9.5	200	380
Hills		Oranges	-	30	-	45	-	1350	-	30	-	47	-	1410	-	50	-	52	-	2600
District		Paddy	-	110	-	14	-	1540	20	110	16	15	320	1760	40	110	20	16	800	1760

^{*} 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 Kharif crop area and yield in the project areas:

1	2	3	4	5				6						7						8		
							Pre-	projec	t				Mid	-term					Post-	proje	et	
Sl No.	Names of States	Names of the Districts	Name of Projects	Name of crops	Ar (h		Yie (Qtl)	rage eld) per a.	Pro	otal ductio n Qtl)		rea a)			To Produ (Q		Ar (h		Aver Yie per (Qt	eld ha	Prod	otal uction (tl)
					Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.
	Meghalaya	East Khasi	EKH- IWMP	Betel leaf	-	8	-	9	-	72	20	8	9.5	9	190	72	40	20	10	9. 5	400	190
		Hills District	V	Black Pepper	-	4	-	6	-	2.4	20	-	6.5	-	130	-	-	40	-	-	-	272
				Potato	-	60	-	68	-	4080	-	80	-	70	-	5600		100	-	70	-	7000

^{*} 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					į	7					8			
]	Pre-p	roject					Mid-	-term					Post-p	roject	ţ	
Sl No.	Names of States	Names of the Districts	Name of Projects	Name of crops		rea na)	Yi (Qtl	rage eld) per a.	Prod	otal luctio n Otl)		rea na)	Aver Yic per (Q	eld ha	Tot Produ n (Q	uctio	Arc (ha		Aver Yie per (Q	eld ha	To Produ (Q	iction
					Irri	Rf.	Irr i	Rf.	Irri	Rf.	Irr i	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.
	Meghalaya	East Khasi	EKH- IWMP	Betel leaf	-	8.00	-	9	-	72	20 Ha	8	9	9	180	72	40	20	10	9. 50	400	190
		Hills District	V	Betel nut	1	80	1	9	-	720	1	80	1	9.5	-	760	-	80	-	10 .5	-	840
				Black Pepper	-	4	-	6	-	24	-	4	-	6	-	24	-	15	-	6. 7	-	100. 5

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

Irri. – Irrigated Rf– Rainfed

Table 7.6.4 Increase/ Decrease in area under fodder:

1	2	3		4			5	
			Existing	area under fod	der (ha)		Achievement (ha)	
District	Name of project	Duration of Project	Source/Name of report	Year of reference	Area already under fodder	Area under fodder proposed to be covered through IWMP	Area under fodder actually covered through IWMP	Change in area under fodder
East Khasi Hills District	EKH-IWMP V	5 yrs	NA	NA	NA	nil	nil	nil

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

Table 7.6.5 Increase/ Decrease in Forest/vegetation cover:

1	2	3		4			5	
			Existi	ing area tree co	over (ha)		Achievement (ha)	
District	Name of project	Duration of Project	Source/Name of report	Year of reference	Area already under forest/vegetative cover	Forest/vegetative cover area proposed to be covered under IWMP	Forest/vegetative cover area actually covered under IWMP	Change in forest/vegetative cover area
East Khasi Hills District	EKH- IWMP V	5 yrs	L.U.L.C Map	2006 - 07	246 Ha	180На	180 Ha	180 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	
			Existing ar	ea under hortic	ılture (ha)		Achievement (ha)	
District	Name of project	Duration of Project	Source/Name of report	Year of reference	Area already under horticulture	Area under horticulture proposed to be covered through IWMP	Area under horticulture actually covered through IWMP	Change in area under horticulture
East Khasi Hills District	EKH-IWMP V	5 yrs	PRA	2010-11	126 Ha	132 Ha	132 Ha	132Ha

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

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

1	2	3		4			5	
			Existing a	rea under fo	odder (ha)	A	chievement (ha)	
District	Name of project	Duration of Project	Source/Name of report	Year of reference	Area already under fuel- wood	Area under fuel- wood proposed to be covered under IWMP	Area under fuel- wood actually covered under IWMP	Change in area under fuel-wood
East Khasi Hills District	EKH-IWMP V	5 yrs	PRA	2010-11	230 На	180 Ha	180 Ha	180 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	Name of	Type of Animal		Pre-proj	ect		Mid-ter	m]	Post-proj	ect	Remarks
Districts	Projects	Type of Animal	No.	Yield	Income	No.	Yield	Income	No.	Yield	Income	Kemarks
		Milch- animals	nil	nil	nil	nil	nil	nil	nil	nil	nil	
East Khasi	EKH-	Piggery	258	-	3.3	525	-	8.75	750	-	20.00	
Hills District	IWMP V	Poultry	1195	-	3.85	1500	-	5.25	2500	-	10.00	
	Total for											
	the		1453	-	7.15	2025	-	16.00	3250	-	30.00	
	project											

^{*} 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		
Distric	Proj	Name of	Fund required	So	urces of	funding (₹)	Actual Expenditur	No	o. of be	eneficia	ries trai	ned	No	of be	neficia activ	ries taki ⁄ity	ing up
t	ect	activity	for the activity (₹)	Project Fund	Benefi -ciary	Others (pl. specify)	Total	e incurred on activity (₹)	SC	ST	Othe rs	Wome n	Tota l	S C	ST	Oth ers	Wome n	Total
		Tailoring	10000/-	8000/-	2000/-	-	10000/-	10000/-	-	20	-	10	20	-	20	-	10	20
East	EK	Carpentry	8000/-	5000/-	3000/-	-	8000/-	8000/-	-	40	40	-	40	-	40	40	-	40
Khasi Hills	H- IW	Hollow block	7000/-	5000/-	2000/-	-	7000/-	7000/-	-	8	8	-	8	-	8	8	-	8
District	MP	poultry	7000/-	5000/-	2000/-	-	7000/-	7000/-	-	28	18	10	18	-	18	18	10	18
	V	Kitchen - gardening	5000/-	2500/-	2500/-	1	5000/-	5000/-	-	99	99	-	99	1	99	99	-	99
		Piggery	35000	30000	5000	1	35000/-	35000/-	-	40	20	20	40	40	20	20	20	40

(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
	ons employed in the activity	Annual increase	Mig	Impact of livelih	Development	of backward-	Any other
man conj		in income due to	(No. of be	neficiaries)	forward	linkages	information
Total	Grand Total (8+9)	activity (₹)	Pre-project	Post-project	Pre-project	Post-project	(pl. Specify)
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

Table 7.7.4 Details of other livelihoods created for farmers:

1	2	3	4		5	5		6			7				8	
			Fund required	Sour		nding (Rs khs	s) in	Actual Expenditure	No.	of farn	ners t	rained	No	of farı up a		taking y
District	Project	Name of activity	for the activity (₹) in lakhs	Project Fund	Benefi -ciary	Others (pl. specify)	Total	incurred on activity	SF	MF	LF	Total	SF	MF	L F	Total
East	EKH-	i) Betelnut soaking	3.00	2.50	0.50	-	3.00	3.00	12	-	-	12	12	-	-	12
Khasi Hills	IWMP V	ii) Rice Mill	2.50	2.00	0.50	-	2.50	2.50	10	-	1	10	10	1	-	10
District	,	Kitchen gardening	9.94	8.28	1.66		9.94	9.94		331		331		331		331

^{*} 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			l 1		12
	ons employed in the activity	Annual increase in income due to	Mig	Impact of liveliheration eneficiaries)	Development	ne of backward- linkages	Any other information
Total	Grand Total (8+9)	activity (₹)	Pre-project	Post-project	Pre-project	Post-project	(pl. Specify)
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

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.)
		(A) Backward linkages			
East Khasi	EKH-	(i) Seed certification	-	-	-
Hills District	IWMP V	(ii) Seed supply system	-	-	-
		(iii) Fertilizer supply system	-	-	-
		(iv) Pesticide supply system	-	-	-
		(v) Credit institutions	-	4	10
		(vi) Water supply	-	-	2
		(vii) Extension services	-	20	30
		(viii) Nurseries	-	-	1 no.
		(ix) Tools/machinery suppliers	-	2	2
		(x) Price Support system	-	-	-
		(xi) Labour	-	4000	6000
		(xii) Any other (please specify)	-	-	-
		(A) Forward linkages		-	-
		(i) Harvesting/threshing machinery	-	-	-
		(ii) Storage (including cold storage)	-	1 no.	1 no.
		(iii) Road network	-	-	-
		(iv) Transport facilities	-	2 nos.	2 nos.
		(v) Markets / Mandis	1	1 no.	1 no.
		(vi) Agro and other Industries	-	-	-
		(vii) Milk and other collection centres	-	-	
		(viii) Labour	-	6000	8000
		(ix) Any other (please specify)	-	-	-

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

Table 7.9 Abstract of outcomes:

1	2	3	4	5	6	7
Sl. No.	State	Item	Unit	Pre-project Status	Post- project Status	Remarks
		Status of water table		Very poor - poor	Improved	
		Ground water structures repaired/ rejuvenated		ı	9 nos.	
		Quality of drinking water		Moderate potable	Improved	
		Availability of drinking water		Insufficient	Sufficient	
		Increase in irrigation potential		-	18 nos.	
		Change in cropping/ land use pattern		1	-	
		Area under agricultural crop				
		i Area under single crop		-	-	
		ii Area under double crop		226 ha	286 ha	
		iii Area under multiple crop		50 ha	286 ha	
		Net increase in crop production area				
		Increase in area under vegetation		-	180 ha	
		Increase in area under horticulture		-	132 ha	
		Increase in area under fuel & fodder		-	-	
		Increase in milk production		-	-	
		No. of SHGs		2 nos.	10 nos.	
		Increase in no. of livelihoods		1	12 nos.	
		Increase in income		1	45,000	
		Migration		-	-	
		No. of school going children		1650 nos.	1900 nos.	
		SHG Federations formed		-	-	
		Credit linkage with banks		-	5 nos.	
		Resource use agreements		-	7 nos.	
		WDF collection & management		-	-	
		Summary of lessons learnt	May be	attached as a separat	te 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 WCs	Name of structure/activity	Estimated cost (₹)	Expected quantifiable benefits (₹)	Expenditure incurred (₹)	Actual quantifiable benefit (₹)	Benefit: Cost ratio [#]	IRR
East Khasi Hills District	EKH- IWMP V	Phudstein & Phudshetdoh	As per Treatment Plan	117.0 lakhs	150.23 lakhs	117.0 lakhs		1.284	-

^{*} 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

BENEFIT COST RATIO

YEAR	TOTAL PROJECT COST	COST TO BE BORNE BY FARMERS	TOTAL COSTS	TOTAL BENEFITS	DISCOUNT FACTOR	DISCOUNTED COSTS	DISCOUNTED BENEFITS	REMARKS
1	9		9		0.870	7.830	0.000	
2	21	184.4313	205.4313	240.4704	0.756	155.306	181.796	
3	75	263.772	338.772	335.854	0.658	222.912	220.992	
4	37.5	337.81	375.3055	432.17	0.572	214.675	247.203	
5	7.5	425.156	432.6555	573.419	0.497	215.030	284.989	
6		435.55	435.5455	590.74	0.432	188.156	255.199	
7		435.55	435.5455	596.74	0.376	163.765	224.374	
8		435.5455	435.5455	606.739	0.327	142.423	198.404	
9		435.5455	435.5455	626.739	0.284	123.695	177.994	
10		435.5455	435.5455	636.739	0.247	107.580	157.275	
11		435.5455	435.5455	636.739	0.215	93.642	136.899	
12		435.5455	435.5455	636.739	0.187	81.447	119.070	
			4409.9828	5913.0894		1716.461	2204.194	

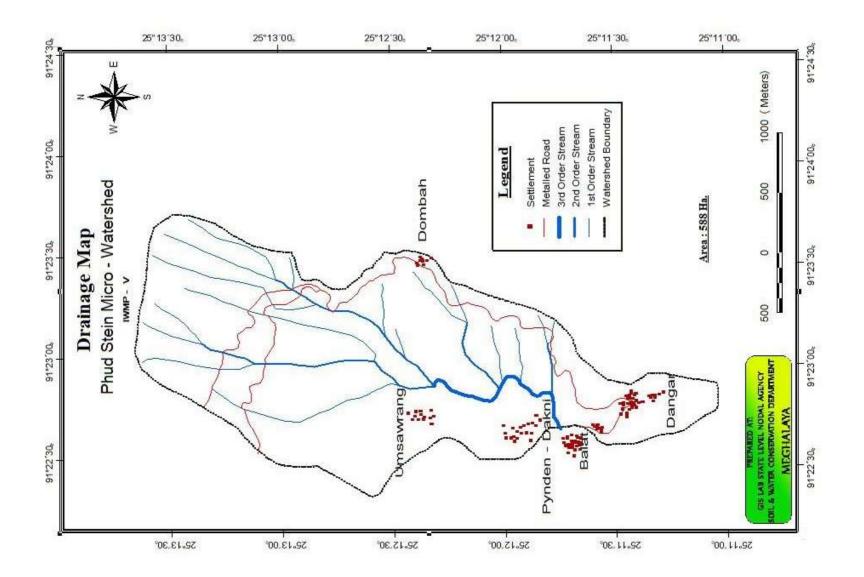
Benefit Cost Ratio = <u>Discounted Benefits</u> Discounted Costs

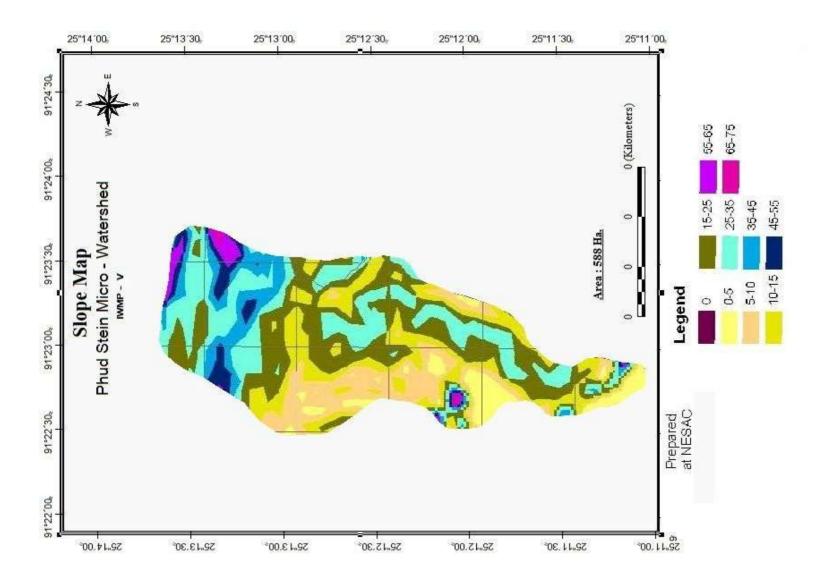
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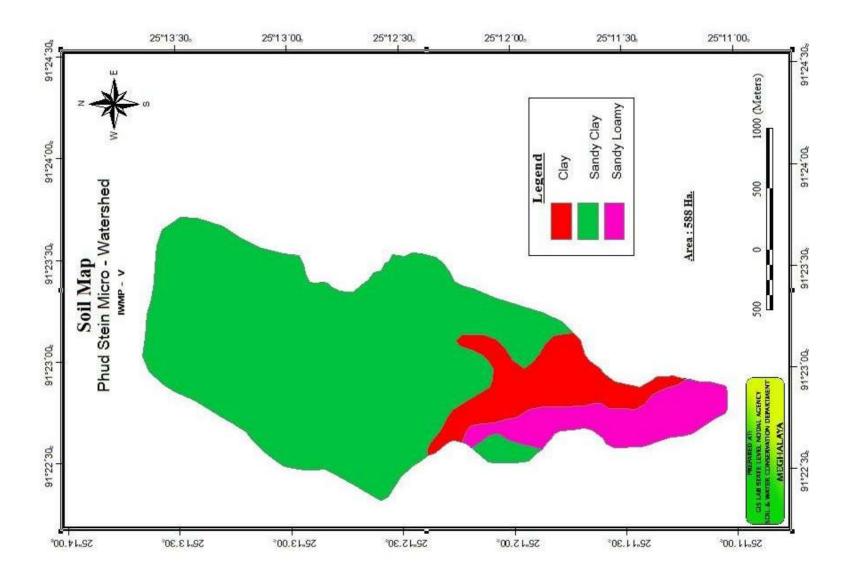
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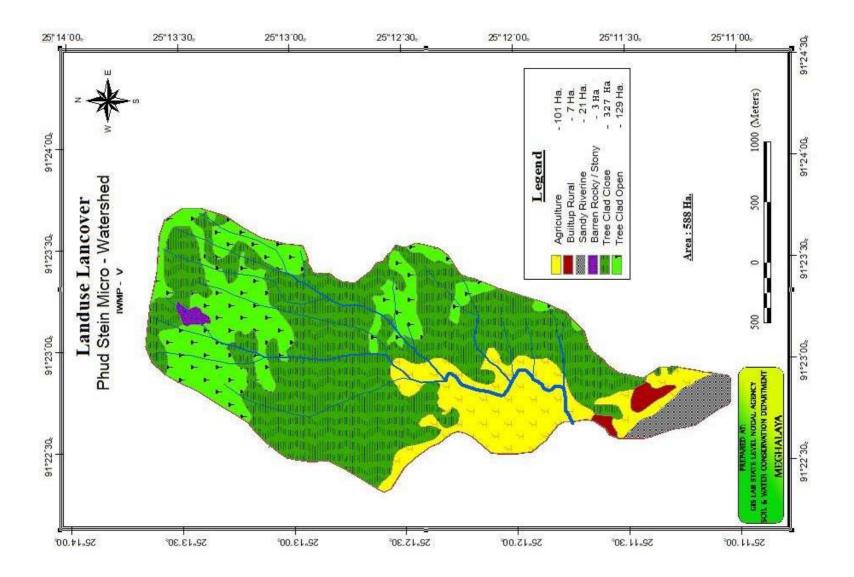
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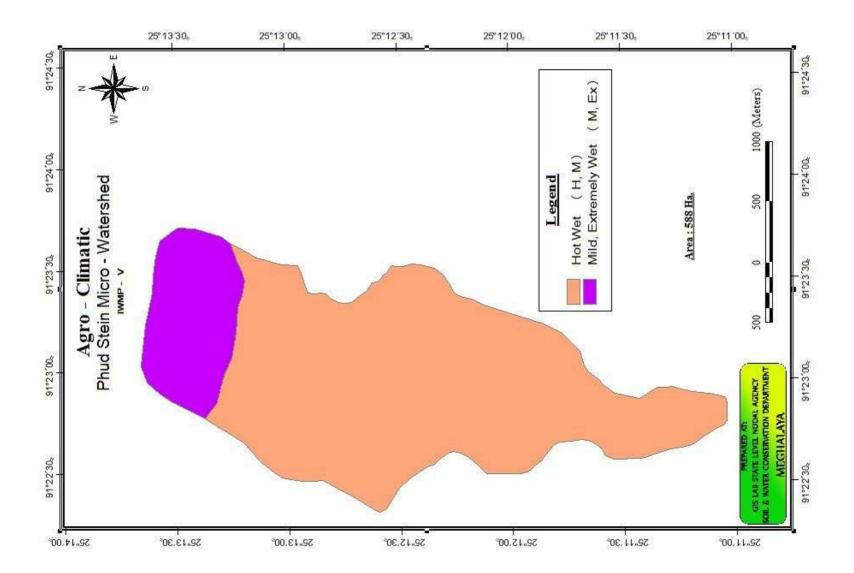
ANNEXURE I MAPS

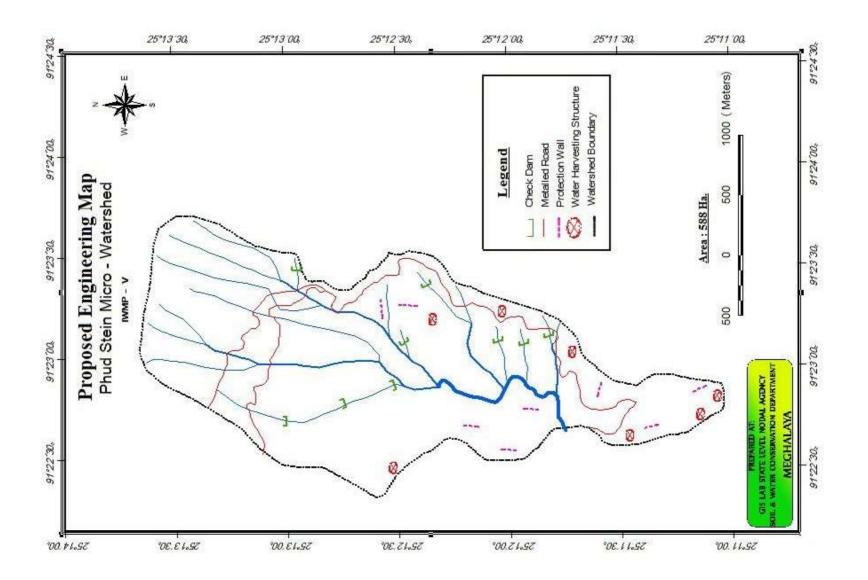


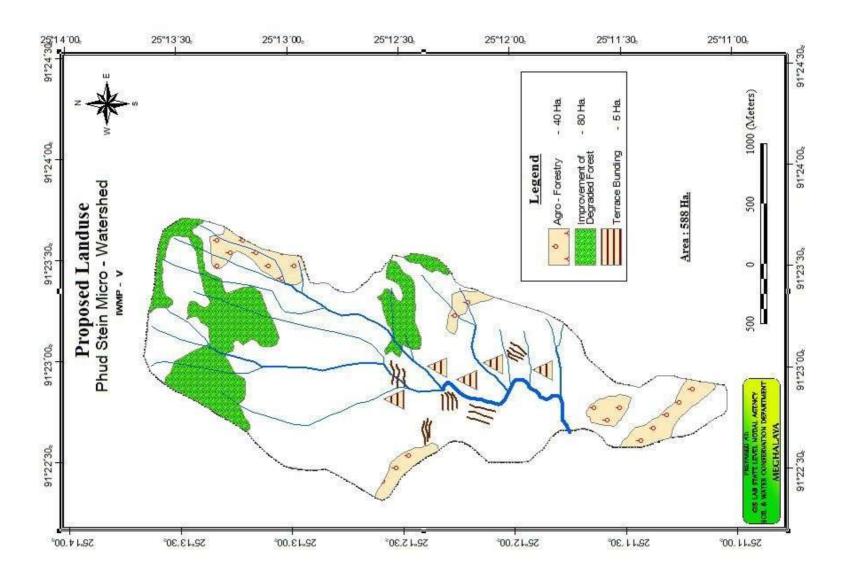


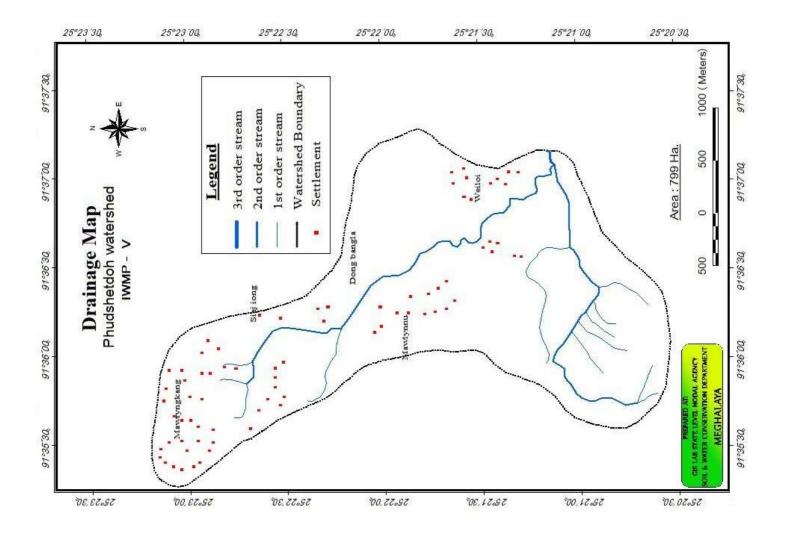


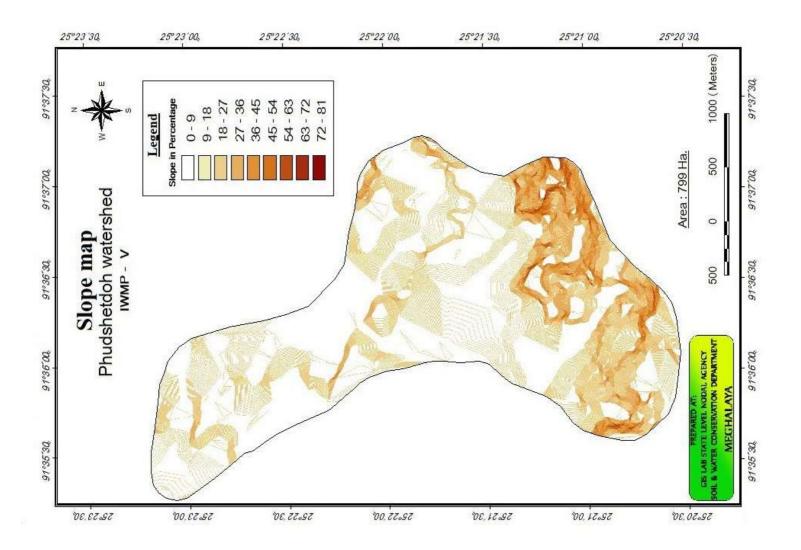


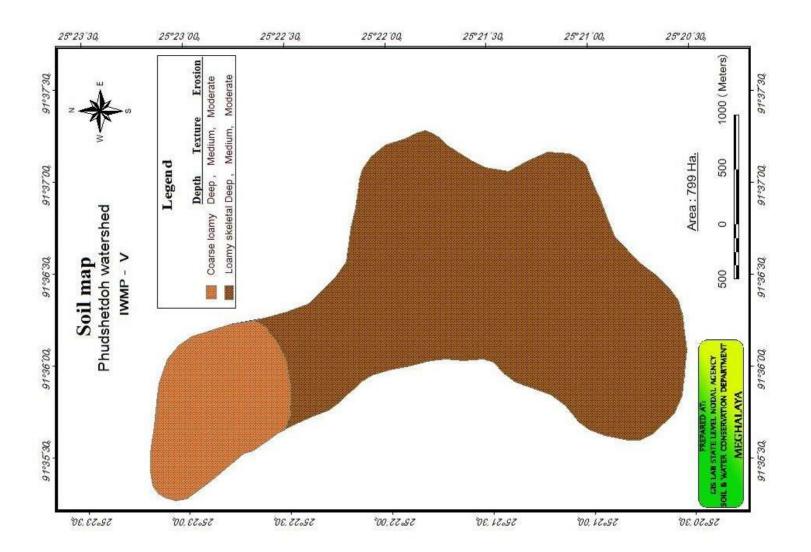


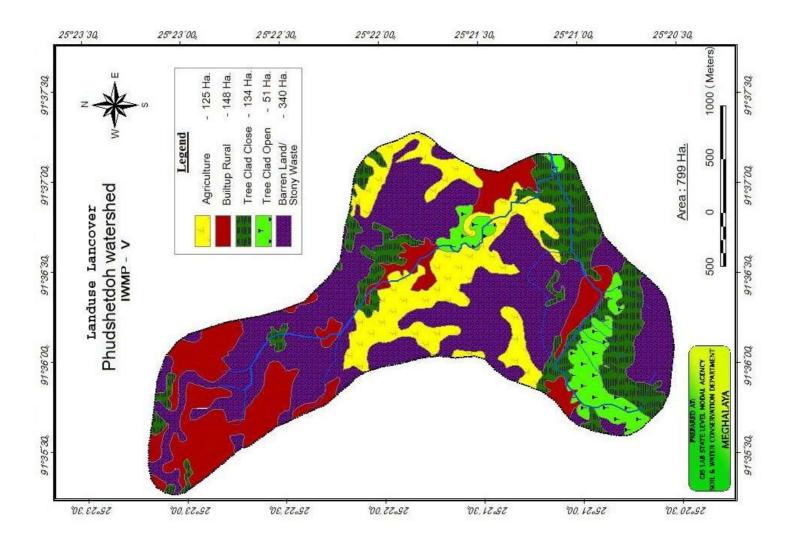


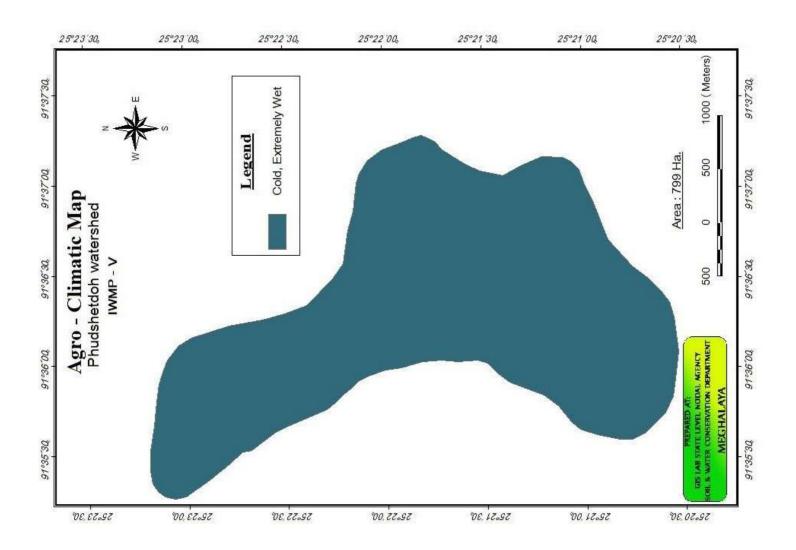


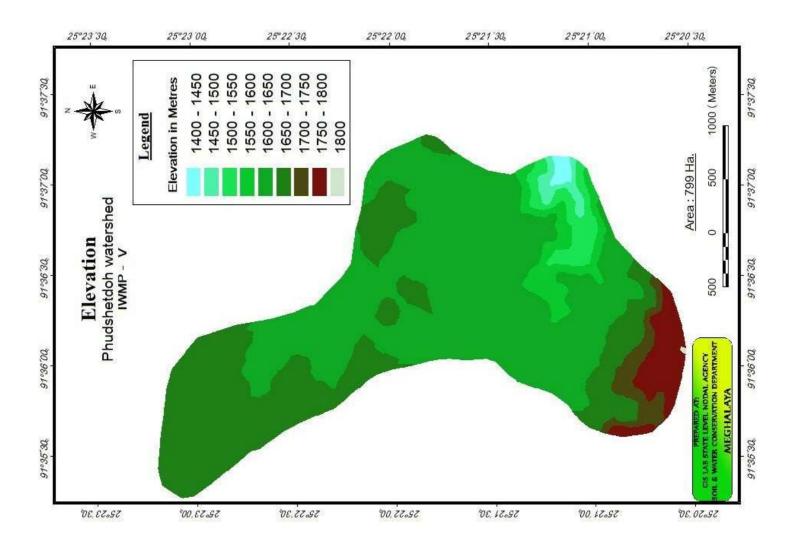


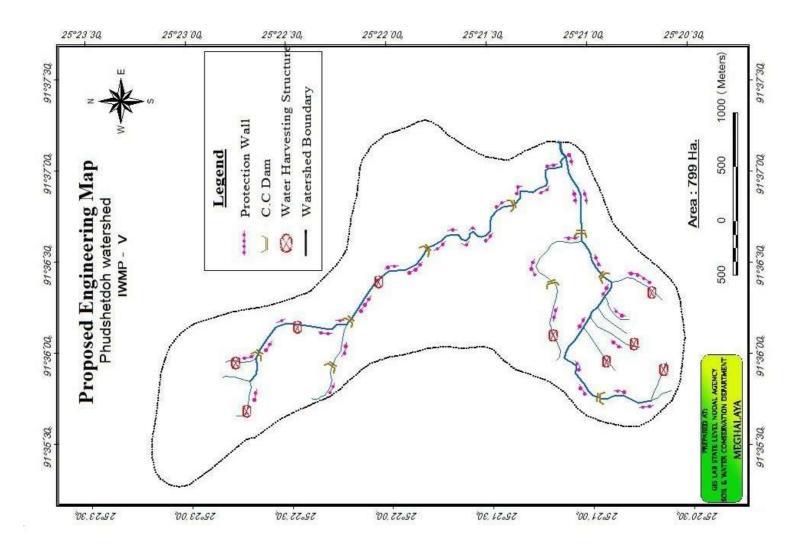


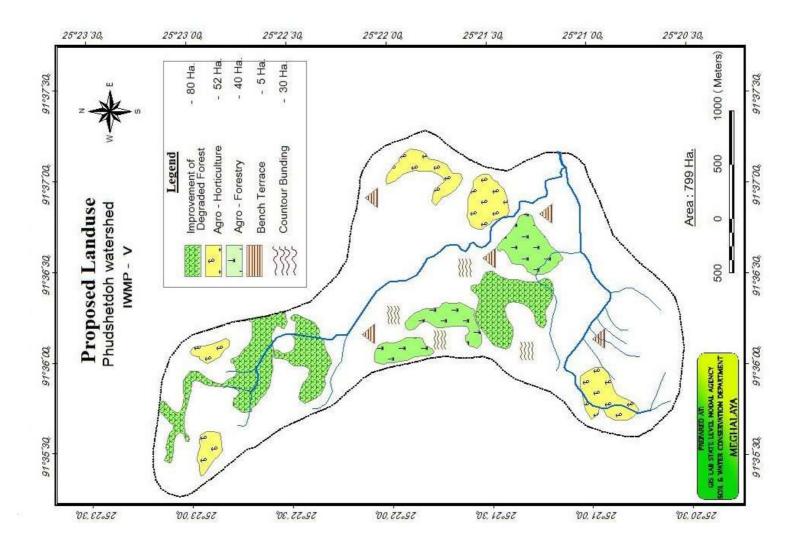












ANNEXTURE II SOCIO ECONOMIC SURVEY

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – SIEJIONG (MAWRYNGKANG)

NAME OF C&RD BLOCK – MAWSYNRAM

NAME OF DISTRICT – EAST KHASI HILLS DISTRICT

		Nos	s. of Popula	ation	Total nos. of		Lite	racy	Land h	olding area household	in ha/			Liv	estock in	nos.		Remarks
Sl No	Name of the Head of the Family	Male	Female	Total	child below 12 yrs both female & male out of col. 5	Occupation	Illiterate	Literate	Non arable land	Arable land	Total	Name of crops grown	Average yield of each crop in Kg/ha	Cow	Poult ry	Piggery	Total income of each family per anum (Rs.)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.	Spi Nongsiej	2	3	5	-	Farmer	-	5	0.50	0.5	1.0	Paddy potato	1000 Kg- 2000 kg	8	20	4	25,000	
2.	Starding shanpru	1	1	2	-	Farmer	-	2	0.25	0.75	1.0	Paddy potato	-do-	-	10	1	12,000	
3.	Loken Rapsap	2	2	4	-	Farmer	-	4	0.25	0.25	0.5	Paddy potato	-do-	5	15	2	15,000	
4.	Heros Marwein	2	1	3	-	Labourer	1	2	0.25	0.25	0.5	Paddy potato	-do-	2	8	1	18,000	
5.	Bimarlin Marwein	1	1	2	-	Farmer		2	0.25	0.25	0.5	Paddy potato	-do-	-	10	1	14,000	
6.	Ibalari Marwein	1	1	2	-	Farmer		2	0.25	0.25	0.5	Paddy potato	-do-		5	1	10,000	
7.	Aiiola Marwein	2	4	6	2	Business	2	4	0.50	0.50	1.0	Paddy potato	-do-	-	6	2	28,000	
8.	Tinoris Wanniang	2	5	7	3	Farmer	2	5	0.5	1.0	1.5	Paddy potato	-do-	1	10	2	35,000	
9.	Meckstarwel Nongsaw	2	1	3	1	Business	-	3	0.25	0.25	0.50	Paddy potato	-do-	4	12	2	14,000	
10.	Miiora Nongsiej	-	4	4	2	Farmer	2	2	0.25	0.25	0.50	Paddy potato	-do-	2	10	1	15,000	
11.	Subalin Nongsiej	1	2	3	1	Farmer	1	2	0.25	0.25	0.50	Paddy potato	-do-	-	8	1	12,000	
12.	Pisto Nongsiej	3	4	7	4	Farmer	4	3	1.0	1.0	2.0	Paddy	1000 kg	8	12	2	30,000	
13.	Blin Nongsiej	5	3	8	3	Farmer	4	4	0.25	0.25	0.50	Paddy	1000 kg	2	20	1	27,00	
14.	Jeswel Lyngdoh	4	5	9	6	Farmer	3	6	1.0	1.0	2.0	Paddy	800 kg	2	10	1	29,000	
15.	Dngin Nongsiej	-	3	3	-	Farmer	0	3	1.0	1.0	2.0	Paddy	600 kg	2	10	1	27,000	

16.	Eltira Lyngdoh	6	4	10	6	Farmer	5	5	1.0	1.0	2.0	Paddy	1000 kg	4	10	1	30,000
17.	Kril Wanniang	7	4	11	7	Farmer	4	7	0.5	0.5	1.0	Paddy	1000 kg	12	20	1	32,000
18.	Merian wanniang	7	4	11	3	Farmer	8	3	0.5	0.5	1.0	Paddy	1000 kg	4	8	1	30,000
19.	Hisbor Lyngdoh	3	4	7	5	Farmer	3	4	1.0	1.0	2.0	Paddy	600 kg	1	10	1	30,000
20.	Skilda Nongsioej	5	7	12	2	Farmer	6	6	0.5	0.5	1.0	Paddy	1000 kg	12	20	4	38,000
21.	Best k.Bani	4	2	6	3	Farmer	2	4	1.0	1.0	2.0	Paddy	600 kg		1	1	30,000
22.	Phrai Nongsiej	6	2	8	6	Farmer	4	4	0.75	0.75	1.50	Paddy	800 kg	4	20	1	32,000
23.	Shino Nongsiej	2	3	5	2	Farmer	2	3	1.0	1.0	2.0	Paddy	800 kg	2	10	1	28,000
24.	Rilinti Nongsiej	2	4	6	4	Farmer	4	2	1.0	1.0	2.0	Paddy	600 kg	1	2	1	20,00
25.	Brila Lyngdoh	2	3	5	2	Farmer	2	3	1.0	1.0	2.0	Paddy	800 kg	1	4	1	21,000
26.	Tiej K. Bani	2	1	3	1	Farmer	1	2	1.0	1.0	2.0	Paddy	600 kg	1	10	1	20,000
27.	Henmary Nongsiej	2	4	6	3	Farmer	1	5	1.0	1.0	2.0	Potato	800 kg	4	2	1	27,000
28.	Trolsila Nongsiej	2	3	5	3	Farmer	1	4	1.0	1.0	2.0	Paddy	600 kg	1	2	1	26,000
29.	Wandaplin Nongsiej	1	2	3	1	Farmer	1	2	1.0	1.0	2.0	Paddy	600 kg	0	2	1	24,000
30.	Eltimilin Nongsiej	3	3	6	4	Farmer	2	4	0.5	0.5	1.0	Potato	800 kg	0	4	1	24,000
31.	Ereslin Nongsiej	4	2	6	4	Farmer	2	4	0.5	0.5	1.0	Potato	600 kg	1	4	1	24,000
32.	Pyndaplin Nongsiej	1	2	3	1	Farmer	1	2	1.0	1.0	1.0	Potato	600 kg	1	8	1	24,000
33.	Holding Kurbah	1	1	2	-	Farmer	0	2	0.5	0.5	1.0	Paddy	800 kg	0	8	1	24,000
34.	Delondia Lyngdoh	3	2	5	Nil	Farmer	0	5	1.0	1.0	2.0	Paddy	600 kg	1	12	1	24,000
35.	Raja K. Syntiew	1	3	4	2	Farmer	0	4	1.0	1.0	2.0	Paddy	800 kg	2	20	1	22,000
36.	Jreng Nongsiej	2	2	4	1	Farmer	2	2	1.0	1.0	2.0	Potato	600 kg	2	10	1	24,000
37	Hamlet K. Bani	2	2	4	2	Farmer	1	3	1.0	1.0	2.0	Potato	800 kg	0	20	1	24,000
38	Pynshngain K. Lyngdoh	2	2	4	1	Farmer	2	2	1.0	1.0	2.0	Potato	600 kg	1	10	1	24,000
39	Kisborlang K.Bani	1	4	5	3	Farmer	0	5	1.0	1.0	2.0	Paddy	1000 kg	0	12	1	28,000
40	Leaderly K. Bani	3	1	4	2	Farmer	1	3	1.0	1.0	2.0	Paddy	800 kg	0	4	1	28,000
41	Sanborlang K.Bani	1	2	3	1	Farmer	1	2	1.0	1.0	2.0	Paddy	800 kg	0	4	1	28,000
42	Dwir Kurbah	3	6	9	7	Farmer	2	7	1.0	1.0	2.0	Paddy	1100 kg	4	20	1	30,000
43	Devistar K. Bani	1	1	2	Nil	Farmer	0	2	1.0	1.0	2.0	Paddy	800 kg	1	20	1	24,000
44	Smen Wanniang	1	-	1	Nil	Farmer	0	1	1.0	1.0	2.0	Potato	800 kg	0	4	1	22,000

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – DONG BANGLA (MAWTEIBAH)

NAME OF C&RD BLOCK – MAWSYNRAM

NAME OF DISTRICT - EAST KHASI HILLS DISTRICT

Sl No	Name of the Head of the Family	Nos	s. of Popula	ntion	Total nos. of child below 12 yrs both female	Occupation	Lite	racy	Land l	nolding area household	ı in ha/	Name of crops grown	Average yield of each crop in Kg/ha	L	ivestock in	nos.	Total income of each family per anum (Rs.)	Rem arks
		Male	Female	Total	& male out of col. 5		Illiterat e	Literate	Non arable land	Arable land	Total			Cow	Poultry	Piggery		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.	Tolin Kharnaior	1	5	6	2	Farmer	0	6	0.5	1.0	1.5	Paddy Potato	700kg 2000kg	4	30	2	32,400	
2.	Balentyne Mawlong	3	3	6	4	Teacher	0	6	0.5	0.5	1.0	-do-	-do-	4	16	1	31,300	
3.	Sirius Riwah	5	2	7	2	Farmer	0	7	0.5	1.0	1.5	-do-	-do-	3	40	3	32,760	
4.	Sharmingstar Riwah	4	2	6	4	Farmer	0	6	0.5	0.5	1.0	-do-	-do-	4	30	2	31,300	
5.	Blistina Malngiang	7	4	11	5	Farmer	1	10	0.5	0.5	1.0	-do-	-do-	2	12	2	51,480	
6.	Join Sing Lyngdoh	3	1	4	2	Business	0	4	0.5	1.0	1.5	-do-	-do-	0	20	1	16,200	
7.	Jumlin Kharnaior	6	3	9	6	Business	0	9	0.5	1.0	1.5	-do-	-do-	4	12	2	42,120	
8.	Medren Nongbet	3	3	6	2	Business	0	6	0.5	0.5	1.0	-do-	-do-	2	14	1	32,400	
9.	Kesida Kharnaior	5	9	14	4	Business	0	14	0.5	0.5	1.0	-do-	-do-	4	18	1	65,520	
10.	Hesilian Nongsiej	4	4	8	1	Business	0	8	0.5	1.0	1.5	-do-	-do-	6	25	2	43,200	
11.	Nolinda Lyngdoh	4	3	7	1	Business	0	7	0.5	1.0	1.5	-do-	-do-	7	20	2	32,760	
12.	Silona Lyngdoh	3	3	6	4	Farmer	0	6	0.5	1.0	1.5	-do-	-do-	3	10	1	31,300	
13.	Wanlambok Kharbani	2	3	5	0	Business	0	5	1.0	0.5	1.5	-do-	-do-	2	12	10	27,000	
14.	Krowing Kharbani	1	2	3	0	Business	0	3	1.0	1.0	2	-do-	-do-	3	20	8	17,200	
15.	Riewlan Khardewsaw	6	4	10	0	Business	0	10	1.0	0.5	1.5	-do-	-do-	5	12	3	54,000	
16.	Teimon Kharshandi	4	5	9	2	Farmer	0	9	1.0	0.5	1.5	-do-	-do-	2	8	1	48,600	
17.	Bling Shanpru	1	2	3	0	Farmer	0	3	1.0	1.0	2	-do-	-do-	3	6	1	17,200	
18.	Korbar Riwah	3	5	8	1	Farmer	0	8	1.0	1.0	2	-do-	-do-	4	12	2	37,440	
19.	Nehjun Mawlong	2	5	7	2	Business	0	7	1.0	1.0	2.0	-do-	-do-	5	14	2	32,760	
20.	Sailan Marwein	3	4	7	2	Business	0	7	1.0	0.5	1.5	-do-	-do-	6	10	2	32,760	
21.	Dan Shanpru	1	5	6	1	Farmer	0	6	1.0	1.0	2.0	-do-	-do-	2	12	1	32,400	
22.	Kro Marwein	4	2	6	3	Farmer	0	6	1.0	1.0	2.0	-do-	-do-	4	16	1	33,400	
23	Lisha Mawlong	3	2	5	3	Farmer	2	3	0.5	0.5	1.0	-do-	-do-	2	10	1	10,000	1
24	Noken Mawlong	3	4	1	3	Farmer	0	1	1	1	2.0	-do-	-do-	4	12	1	24,000	

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – DANGAR

NAME OF C&RD BLOCK – MAWSYNRAM

NAME OF DISTRICT - EAST KHASI HILLS DISTRICT

Sl	Name of the Head of the	Nos. o	of Population	on	Total nos. of child below 12 yrs	Occupation	Lite	racy		olding area household	in ha/	Name of	Avera ge yield of	L	ivestock in	nos.	Total income of each family per anum (Rs.)	Rema rks
No	Family	Male	Female	Total	both female & male out of col. 5	Occupation	Illiterate	Literate	Non arable land	Arable land	Total	crops grown	each crop in Kg/ha	Cow	Poultry	Piggery		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.	T.K. Raswai	4	4	8		Teacher		8	1/2	2	2.5	Bay leaf Bettle Nut		2	5	2	48,000	
2.	Barding Thongni	2	4	6	2	Farmer	6		1	2	3.0	-do-					45,000	
3.	Bek Lyngkhoi	4	6	10	6	Farmer	7	3	1/2	2	2.5	-do-		3	4	3	60,000	
4.	Lidia Kharbani	2	3	5	1	Farmer	3	2	1	1	2.0	-do-					42,000	
5.	Elbistar Kharbani	1	2	3	1	Farmer	2	1	1	1	2.0	-do-					37,000	
6.	Diclator Thongni	2	3	5	1	Business		5	1	1	2.0	-do-			5	1	41,000	
7.	Bidalin Snaitang	1	5	6	2	Farmer	2	4	1	2	3.0	-d0-					47,000	
8.	Rajes Rangdkhew	3	2	5	1	Farmer	2	3	1	1	2.0	-d0-					39,000	
9.	Phlis Kharbani	3	5	6	5	Farmer	4	4	1	2	3.0	-do-		1	3	1	55,000	
10.	Biel Wanniang	3	4	7	2	Farmer	4	3	1	2	3.0	-do-					53,000	
11.	Babul Hajong	3	3	6	3	Farmer	4	2	1	2	3.0	Paddy					49,000	
12.	Blos Syiem	2	3	5	1	Farmer	3	2	1	1	2.0	Bettle nut					43,000	
13.	Testing Sanglain	4	4	8	-	Farmer	-	8	1	2	3.0	Paddy		1	6	3	56,000	
14.	Ham Syiemlieh	4	7	11	2	Farmer	1	10	1/2	2	2.5	Bettle nut		2	4	2	65,000	
15.	Nor Lyngdoh	1	1	2	-	Business	1	1	1	1	2.0	-do-					32,000	
16.	Khwin Sawkmie	3	2	5	-	Business	1	4	1	1	2.0	-do-			5		35,000	
17.	Dir Lyngdoh	3	3	6	4	Farmer	4	2	1	2	3.0	-do-					38,000	
18.	Tli Syiemiong	4	2	6	-	Teacher	-	6	1	1	2.0	-do-			6	1	40,000	
19.	Stream Thongni	2	1	3	1	Farmer	2	1	1	1	2.0	-do-					32,000	
20.	Salomi Iawphniew	3	2	5	2	Teacher	-	5	1	1	2.0	-do-			4	2	41,000	
21.	Charles Lyngdoh	1	3	4	-	Teacher	-	4	1	1	2.0	-do-					34,000	
22.	Ferdman Nongkynrih 2.	3.	3 4.	5.	6.	Teacher 7.	8.	3 9.	10.	1 11.	2.0 12.	-do- 13.	14.	15.	16.	17.	33,000 18.	19.
23	Mardajew Syiem	2	6	8	6	Business	2	6	10.	2	3.0	Bay leaf Bettle nut	14.	1	4	1	58,000	17.

24	Jostice Lyngdoh	4	3	7	_	Business	2	5	1	2	3.0	-d0-				53,000
25	Marcos Syiemlieh	4	5	9	2	Business	3	6	1/2	2	2.5	-d0-	1	3	1	65,000
26	Stindro Kharraswai	3	2	5	2	Farmer	2	3	1	2	3.0	-d0-		4	2	44.000
27	Skilly Kharwar	1	3	4	1	Farmer	3	1	1	1	2.0	-d0-				39,000
28	Bida Syiemlieh	3	5	8	3	Farmer	5	3	1	2	3.0	-d0-	1	3	2	49,000
29	Gertrud Lyngdoh	2	2	4	-	Teacher	_	4	1	2	3.0	-d0-				40,000
30	Meralin Rangdkhew	2	3	5	3	Farmer	2	3	1	2	3.0	-d0-		4	1	43,000
31	Solomi Snaitang	2	1	3	1	Teacher	2	1	1	1	2.0	-d0-				32,000
32	Brian Kharsyntiew	1	1	2	-	Farmer	1	1	1	1	2.0	-d0-				28,000
33	Kalbari Syiemlieh	2	4	6	5	Business	6	_	1	2	3.0	-d0-		6	3	62,000
34	Diral Dkhar	3	3	6	4	Farmer	4	2	1	2	3.0	-d0-		5	2	59,000
35	Pristo Lyngkhoi	3	3	6	1	Cultivator	2	4	1	2	3.0	-d0-				57,000
36	Slanding Syiemlieh	2	6	8	-	Cultivator	-	8	1	2	3.0	-d0-	2	4	1	60,000
37	Bristi Disiar	1	4	5	2	Farmer	3	2	1	2	3.0	-d0-		4	2	44,000
38	Justice Nongrem	3	2	5	3	Govt. Service	1	4	1	1	2.0	-d0-		3	1	46,000
39	Diamon Lartang	2	2	4	-	Teacher	-	4	1	1	2.0	-d0-				38,000
40	Aibor Thongni	3	1	4	-	Farmer	-	4	1	1	2.0	-d0-				37,000
41	Kiron Jana	1	1	2	-	Farmer	-	2	1	1	2.0	-d0-				30,000
42	Khlain Rani	3	2	5	1	Govt. servant	1	4	1	1	2.0	-d0-		4	2	47,000
43	Therisa Majaw	3	3	6	2	Business	1	5	1	2	3.0	-d0-	1	5	1	61,000
44	Santi Dkhar	1	2	3	1	Business	1	2	1	1	2.0	-d0-				32,000
45	Wondar Nongrem	3	1	4	-	Farmer	1	3	1	2	3.0	Betlle nut				51,000
46	Kyllang Thongni	2	2	4	2	Teacher	2	2	1	1	2.0	-d0-				50,000
47	Jib Marbaniang	1	5	6	1	Business	1	5	1	2	3.0	-d0-		6	2	62,000
48	Manik Kharsyntiew	2	2	4	2	Farmer	4	_	1	2	3.0	-d0-				46,000
49	Vijanti Khongwar	1	2	3	1	Farmer	1	2	1	1	2.0	-d0-				36,000
50	Rindro Lyngkhoi	2	3	5	1	Govt. Servant	1	4	1	2	3.0	-d0-				49,000
51	Master Syiemlieh	2	2	4	1	Farmer	3	1	1	1	2.0	-d0-				47,000
52	Dwisy Kharlyngdoh	2	2	4	-	Farmer	1	3	1	1	2.0	-d0-				43,000
53	AndasSyiemlieh	4	6	10	2	Business	4	6	1/2	3	3.5	-d0-	2	5	2	75,000
54	Relbis star Lyngdoh	2	6	8	-	Govt. servant	3	5	1	2	3.0	-d0-	1	3	1	63,000
55	Bimlis Khardewsaw	4	3	7	3	Farmer	1	6	1	2	3.0	-d0-	1	4	2	58,000
56	Biolis Khardewsaw	4	2	6	-	Farmer	2	4	1	2	3.0	-d0-		3	1	55,000
57	Morin Kharlyngdoh	2	4	6	-	Farmer	2	4	1	2	3.0	-d0-		4	2	54,000
58	Linsan Kharlyngdoh	2	5	7	3	Farmer	4	3	1	2	3.0	-d0-		5	1	63,000
59	Sidona Kharwar	-	3	3	-	Farmer	2	1	1	1	2.0	-d0-	1	4	3	39,000
60	Dilnora Wanniang	1	4	5	-	Farmer	1	4	1	2	3.0	-d0-		5	2	50,000
61	Melody Kharshandi	1	2	3	-	Farmer	1	2	1	1	2.0	-d0-				33,000
62	Dipty Wanniang	2	3	5	-	Farmer	-	5	1	2	3.0	-d0d0-		4	1	49,000
63	Sirian Kharwar	1	3	4	-	Farmer	2	2	1	1	2.0	-d0-				41,000
64	Brolda Wanniang	2	2	4	1	Farmer	1	3	1	1	2.0	-d0-				39,000
65	Kyntiew Iawphniaw	1	1	2	-	Farmer	-	2	1	1	2.0	-d0-				31,000
66	Newmora Kharlyngdoh	1	6	7	3	Farmer	3	4	1	2	3.0	-d0-	2	5	2	56,000

66 Posser Nogerm 3 3 4 2 Parmer - 4 1 1 2 2 Paddy 3 34000	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Formary Nongrows 3	67	Synshar Kharshandi	1	3	4	2	Farmer	_	4	1	1	2.0	Paddy					34.000	
Shirta Sylemich		,	3					-	6	1	2		-			3	2	·	
Shirta Sylemich	69	Tuna Kharlyngdoh	3	2	5	2	Farmer	2	3	1	2	3.0	-do-					45,000	
71 Nier Sysjem		, ,	2	3	5					1	1					4	1		
Molen Marvein 2 3 5 1 Farmer 2 3 1 1 2 2 400 6 2 59,000		ÿ	3	4	7	3	Farmer			1	2	3.0	-do-			8	2		
Associated Ass	72	Lurshai Disiar	2	4	6	4	Businnes	2	4	1	2	3.0	-do-					57,000	
Famous Snaitang		Molen Marwein	2	3	5	1	Farmer	2	3	1	1	2.0	-do-						
Formal Sylem	74	Tiplut Nongrem	3	4	7	2	Farmer	2	5	1	2	3.0	-do-			6	2	59,000	
Tradup Favore	75	Famous Snaitang	1	1	2	-	Farmer	-	2	1	1	2.0	-do-					31,000	
78 Noda Rangdkhew 2 3 5 2 Farmer 3 2 1 1 2.0 -do- 48,0000 80 Koina Syiem 2 4 6 2 Farmer 5 1 1 2 3.0 -do- 2 6 2 52,0000 81 Phipli Syiemlieh 4 3 7 3 Farmer 4 3 1 2 3.0 -do- 2 6 2 52,0000 82 Shisha Thongai 1 2 3 3 3 6 1 Farmer 3 3 1 2 3.0 -do- 2 6 2 52,0000 83 Mina Syiemlieh 3 3 3 6 1 Farmer 3 3 1 2 3.0 -do- 40- 49,000 84 Baiona Lyngkhoi 1 3 4 2 Business 1 2 1 1 2.0 -do- 40- 40,000 85 Stir Kharlyngdoh 1 1 2 3 5 Teacher 5 1 1 1 2.0 -do- 40- 40,000 86 Dipa Khardewsaw 3 2 5 2 Teacher - 5 1 1 2.0 -do- 40- 50,000 87 Fivestar lavphiniaw 3 4 7 5 Teacher 3 4 1 2 3.0 -do- 40- 4 49,000 88 Bikran Kharwar 3 3 6 3 Teacher 2 4 1 2 3.0 -do- 4 49,000 89 Sharlan Syiemiong 1 1 2 2 5 Farmer 2 1 1 1 2.0 -do- 4 4 49,000 89 Sharlan Syiemiong 1 1 2 2 5 Farmer 2 1 1 1 2.0 -do- 4 4 49,000 90 Sarepta Thongai 1 2 3 3 1 Farmer 2 1 1 1 2.0 -do- - - - - 35,000 90 Sarepta Thongai 1 2 3 3 1 Farmer 2 1 1 1 2.0 -do- - - - - 35,000 90 Sarepta Thongai 1 2 3 5 Farmer 2 1 1 1 2.0 -do- - - - - 35,000 90 Sarepta Thongai 1 2 3 5 Farmer 2 1 1 1 2.0 -do- - - - - 35,000 90 Sarepta Thongai 1 2 3 5 Farmer 2 1 1 1 2.0 -do- - - - - 35,000 90 Sarepta Thongai 4 4 8 8 3 Govt 2 6 1 3 4.0 Paddy 2 8 2 60,000 90 90 Binatini Kharwar 1 4 5 5 Farmer 2 1 1 1 2.0 -do- - - - - - - - - -	76	Kynpham Syiem	3	3	6	-	Business	-	6	1	2		-do-			5	1		
Frame Fram	77	Taidup Iawrot	2	4	6	3	Farmer	4	2	1	2		-do-						
Solidar Sylem 2	78	Noda Rangdkhew	2	3	5	2	Farmer	3	2	1	1		-do-					48,000	
Phipli Syiemlieh			2	4	6	2	Farmer		3	1	2		-do-					,	
Section Sect	80	Koina Syiem	2	4	6	4	Farmer	5	1	1	2		-do-					44,000	
83 Mina Syiemlich 3 3 6 1 Farmer 3 3 1 2 3.0 -do- 49,000 84 Baiona Lyngkhoi 1 3 4 2 Business 1 3 1 1 2.0 -do- 40,000 85 Stir Kharlyngdoh 1 1 2 -	81	Phipli Syiemlieh	4	3	7	3	Farmer	4	3	1	2	3.0	-do-		2	6	2	· ·	
84 Baiona Lyngkhoi 1 3 4 2 Business 1 3 1 1 2.0 -do- 40,000 85 Stir Kharlyngdoh 1 1 2 - Farmer 2 1 1 1 2.0 -do- 31,000 86 Dipa Khardewsaw 3 2 5 2 Teacher - 5 1 1 2.0 -do- 6 2 50,000 87 Fivestar Lawphniaw 3 4 7 5 Teacher 3 4 1 2 3.0 -do- 6 2 50,000 88 Bikrar Kharwar 3 3 6 3 Teacher 2 4 1 2 3.0 -do- 4 4 49,000 89 Sharlan Syiemiong 1 1 2 - Farmer 2 1 1 2.0 -do- - - - -	82	Shisha Thongni	1	2	3	1	Business	1	2	1	1	2.0	-do-					33,000	
S Stir Kharlyngdoh	83	Mina Syiemlieh	3	3	6	1	Farmer	3	3	1	2	3.0	-do-					49,000	
86 Dipa Khardewsaw 3 2 5 2 Teacher - 5 1 1 2.0 -do- 6 2 58.000 87 Fivestar lawphniaw 3 4 7 5 Teacher 3 4 1 2 3.0 -do- 6 2 58.000 88 Bikran Kharwar 3 3 6 3 Teacher 2 4 1 2 3.0 -do- 4 49.000 89 Sharlan Syiemiong 1 1 2 - Farmer 2 1 1 2.0 -do- - - - - 35,000 90 Sarepta Thongni 1 2 3 1 Farmer - 2 1 1 2.0 -do- - - - - - - - - - - - - - - - - - -	84	Baiona Lyngkhoi	1	3	4	2	Business	1	3	1	1	2.0	-do-					40,000	
87 Fivestar Iawphniaw 3 4 7 5 Teacher 3 4 1 2 3.0 -do- 6 2 58.000 88 Bikran Kharwar 3 3 6 3 Teacher 2 4 1 2 3.0 -do- 4 4 49,000 89 Sharlan Syiemiong 1 1 2 - Farmer 2 1 1 2.0 -do- - - - 35,000 90 Sarepta Thongni 1 2 3 1 Farmer - 2 1 1 2.0 -do- - - - 35,000 91 Timoris Syiemlieh 2 2 4 - Farmer - 2 1 1 2.0 -do- - - 40,000 92 Wilian Snaitang 1 2 3 - Farmer 2 1 1 1 2.	85	Stir Kharlyngdoh	1	1	2	-	Farmer	2	1	1	1	2.0	-do-					31,000	
88 Bikran Kharwar 3 3 6 3 Teacher 2 4 1 2 3.0 -do- 4 4,9,000 89 Sharlan Syiemiong 1 1 2 - Farmer 2 1 1 2.0 -do- - - - 35,000 90 Sarepta Thongni 1 2 3 1 Farmer - 2 1 1 2.0 -do- - - - 40,000 91 Timoris Syiemlieh 2 2 4 - Farmer 1 3 1 2 3.0 -do- - 40,000 92 Wilian Snaitang 1 2 3 - Farmer 2 1 1 1 2.0 -do- - - 35,000 9 9 1 3 - Farmer 2 7 1/2 3 3.5 -do- 2 10 1		•																	
Sharlan Syiemiong	87	Fivestar Iawphniaw	3	4	7	5	Teacher	3	4	1	2	3.0	-do-			6	2	58,000	<u> </u>
90 Sarepta Thongni	88	Bikran Kharwar	3	3	6	3	Teacher	2	4	1	2	3.0	-do-			4		49,000	
91 Timoris Syiemlieh 2 2 4 - Farmer 1 3 1 2 3.0 -do- 40,000 92 Wilian Snaitang 1 2 3 - Farmer 2 1 1 1 2.0 -do- 38,000 93 Richard Lyngdoh 2 1 3 - Farmer - 3 1 1 2.0 -do- 335,000 94 Diret Disiar 5 4 9 2 Farmer 2 7 ½ 3 3.5 -do- 2 10 1 68,000 95 Rang Thongni 4 4 8 3 Govt. 2 6 1 3 4.0 Paddy 2 8 2 60,000 96 Sen Kharbhih 2 2 4 - Business - 4 1 1 2.0 Bettle nut 45,000 97 Biril Marwein 2 3 5 - Farmer 2 3 1 2 3.0 Paddy 6 1 50,000 98 Philet Kharshandi 3 2 5 - Govt. - 5 1 2 3.0 Bettle nut 4 55,000 99 Binatini Kharwar 1 4 5 3 Farmer 3 2 1 1 3.0 Bettle nut 4 55,000 100 Anita Khardewsaw 1 3 4 2 Govt. servant 1 3 1 1 2.0 -do- 5 48,000 101 Darihun Disiar 1 2 3 1 Farmer 2 1 1 1 2.0 Teptata 36,000 102 Bidarir Syiem 1 1 2 - Farmer 2 - 1 1 2.0 Teptata 33,000 103 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000 103 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000 105 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000 106 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000 107 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000 108 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000 109 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000 100 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000 100 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000 100 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000 100 Ronal Sanglein 1			•	_		-				1	1				-	-	-		
92 Wilian Snaitang 1 2 3 - Farmer 2 1 1 2.0 -do- 38,000 93 Richard Lyngdoh 2 1 3 - Farmer - 3 1 1 2.0 -do- -do- 2 10 1 68,000 94 Diret Disiar 5 4 9 2 Farmer 2 7 ½ 3 3.5 -do- 2 10 1 68,000 95 Rang Thongni 4 4 8 3 Govt. servant servant 2 6 1 3 4.0 Paddy 2 8 2 60,000 96 Sen Kharbhih 2 2 4 - Business - 4 1 1 2.0 Bettle nut 45,000 97 Biril Marwein 3 2 5 - Farmer 2 3 1 2 3.0 Bettle nu			•					-		1	1								
93 Richard Lyngdoh 2		,						1		1									
94 Diret Disiar 5 4 9 2 Farmer 2 7 ½ 3 3.5 -do- 2 10 1 68,000 95 Rang Thongni 4 4 8 3 Govt. servant 2 6 1 3 4.0 Paddy 2 8 2 60,000 96 Sen Kharbhih 2 2 4 - Business - 4 1 1 2.0 Bettle nut 45,000 97 Biril Marwein 2 3 5 - Farmer 2 3 1 2 3.0 Paddy 6 1 50,000 98 Philet Kharshandi 3 2 5 - Govt. servant - 5 1 2 3.0 8 50,000 99 Binatini Kharwar 1 4 5 3 Farmer 3 2 1 1 3.0 Bettle nut 4 <td></td> <td>\mathcal{E}</td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td>-</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		\mathcal{E}		_					•	-	1								
95 Rang Thongni 4 4 8 3 Govt. servant 2 6 1 3 4.0 Paddy 2 8 2 60,000 96 Sen Kharbhih 2 2 4 - Business - 4 1 1 2.0 Bettle nut 45,000 97 Biril Marwein 2 3 5 - Farmer 2 3 1 2 3.0 Paddy 6 1 50,000 98 Philet Kharshandi 3 2 5 - Govt. servant - 5 1 2 3.0 Bettle nut 4 55,000 99 Binatini Kharwar 1 4 5 3 Farmer 3 2 1 1 3.0 Bettle nut 4 55,000 100 Anita Khardewsaw 1 3 4 2 Govt. servant 1 3 1 1 2.0 -do- 5 </td <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>1</td> <td></td> <td></td> <td></td> <td>_</td> <td>10</td> <td></td> <td></td> <td></td>				_						-	1				_	10			
95 Rang Thongm 4 4 8 3 servant 2 6 1 3 4.0 Paddy 2 8 2 60,000 96 Sen Kharbhih 2 2 4 - Business - 4 1 1 2.0 Bettle nut 945,000 45,000 6 1 50,000 6 1 50,000 6 1 50,000 6 1 50,000 6 1 50,000 6 1 50,000 8 50,000 8 50,000 8 50,000 8 50,000 8 50,000 8 50,000 8 50,000 8 50,000 8 50,000 8 50,000 9 9 Binatini Kharwar 1 4 5 3 Farmer 3 2 1 1 3.0 Bettle nut 4 55,000 5 48,000 48,000 6 1 48,000 6 1 1 <td< td=""><td>94</td><td>Diret Disiar</td><td>5</td><td>4</td><td>9</td><td>2</td><td></td><td>2</td><td>7</td><td>1/2</td><td>3</td><td>3.5</td><td>-do-</td><td></td><td>2</td><td>10</td><td>1</td><td>68,000</td><td></td></td<>	94	Diret Disiar	5	4	9	2		2	7	1/2	3	3.5	-do-		2	10	1	68,000	
97 Biril Marwein 2 3 5 - Farmer 2 3 1 2 3.0 Paddy 6 1 50,000 98 Philet Kharshandi 3 2 5 - Govt. servant - 5 1 2 3.0 Bettle nut 4 50,000 99 Binatini Kharwar 1 4 5 3 Farmer 3 2 1 1 3.0 Bettle nut 4 55,000 100 Anita Khardewsaw 1 3 4 2 Govt. servant 1 3 1 1 2.0 -do- 5 48,000 101 Darihun Disiar 1 2 3 1 Farmer 2 1 1 1 2.0 Terpata 1 36,000 102 Bidarir Syiem 1 1 2 - Farmer 2 - 1 1 2.0 -do- - -					8	3	servant	2	_	1	3		•		2	8	2	:	
98 Philet Kharshandi 3 2 5 - Govt. servant servant - 5 1 2 3.0 8 50,000 99 Binatini Kharwar 1 4 5 3 Farmer 3 2 1 1 3.0 Bettle nut 4 55,000 100 Anita Khardewsaw 1 3 4 2 Govt. servant 1 3 1 1 2.0 -do- 5 48,000 101 Darihun Disiar 1 2 3 1 Farmer 2 1 1 1 2.0 Terpata 36,000 102 Bidarir Syiem 1 1 2 - Farmer 2 - 1 1 2.0 Bettle nut 32,000 103 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- - 39,000										-	1								<u> </u>
98 Philet Kharshandi 3 2 5 - servant - 5 1 2 3.0 8 50,000 99 Binatini Kharwar 1 4 5 3 Farmer 3 2 1 1 3.0 Bettle nut 4 55,000 100 Anita Khardewsaw 1 3 4 2 Govt. servant 1 3 1 1 2.0 -do- 5 48,000 101 Darihun Disiar 1 2 3 1 Farmer 2 1 1 1 2.0 Terpata 36,000 102 Bidarir Syiem 1 1 2 - Farmer 2 - 1 1 2.0 Bettle nut 103 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 - 1 39,000	97	Biril Marwein	2	3	5	-		2	3	1	2	3.0	Paddy			6	1	50,000	
100 Anita Khardewsaw 1 3 4 2 Govt. servant 1 3 1 1 2.0 -do- 5 48,000 101 Darihun Disiar 1 2 3 1 Farmer 2 1 1 1 2.0 Terpata 36,000 102 Bidarir Syiem 1 1 2 - Farmer 2 - 1 1 2.0 Bettle nut 32,000 103 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000	98	Philet Kharshandi	3	2	5	-		-	5	1	2	3.0				8			
100 Anita Khardewsaw 1 3 4 2 servant 1 3 1 1 2.0 -do- 5 48,000 101 Darihun Disiar 1 2 3 1 Farmer 2 1 1 1 2.0 Terpata 36,000 102 Bidarir Syiem 1 1 2 - Farmer 2 - 1 1 2.0 Bettle nut 32,000 103 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000	99	Binatini Kharwar	1	4	5	3		3	2	1	1	3.0	Bettle nut			4		55,000	
101 Darihun Disiar 1 2 3 1 Farmer 2 1 1 1 2.0 Terpata 36,000 102 Bidarir Syiem 1 1 2 - Farmer 2 - 1 1 2.0 Bettle nut 32,000 103 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000	100	Anita Khardewsaw	1	3	4	2		1	3	1	1	2.0	-do-			5		48,000	
102 Bidarir Syiem 1 1 2 - Farmer 2 - 1 1 2.0 Bettle nut 32,000 103 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000	101	Darihun Disiar	1	2	3	1		2	1	1	1	2.0	Terpata					36,000	
103 Ronal Sanglein 1 2 3 1 Farmer 2 1 1 1 2.0 -do- 39,000			1	1		-			-	1	1								
	103	•	1	2	3	1			1	1	1								
	104	Iawsi Thongni	1	1	2	-	Farmer	-	2	1	1	2.0	-do-			4	1		
105 Kynjailin Thongni 2 3 5 2 Farmer 1 4 1 2 3.0 -do- 45,000	105	Kynjailin Thongni	2	3	5	2	Farmer	1	4	1	2	3.0	-do-						
106 Lobarwell Nongrem 3 3 6 1 Farmer 2 4 1 3 4.0 -do- 10 2 54,000	106	• 3	3	3	6	1	Farmer	2	4	1	3	4.0	-do-			10	2	54,000	

107	Widalin Kharshandi	1	1	2	-	Farmer	2	-	1	1	2.0	Pan leaf					31,000	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
108	Phoril Syiem	1	2	3	-	Farmer	3	-	1	1	2.0	Bettle nut					37,000	
109	Melida Rangdkhew	2	3	5	3	Farmer	4	1	1	2	3.0	-do-			7	1	49,000	
110	Magdalin Rangdkhew	2	2	4	2	Farmer	4	-	1	1	2.0	-do-			5		45,000	
111	Newtisda Nongrem	2	2	4	1	Farmer	3	1	1	2	3.0	-do-			5		45,000	
112	Peking Lartang	3	2	5	1	Farmer	4	1	1	2	3.0	-do-			6		50,000	
113	Regina Nongsiej	2	3	5	3	Farmer	3	2	1	2	3.0	-do-			4		50,000	
114	Kelbi Kharraswai	3	2	5	1	Farmer	ı	5	1	2	3.0	Paddy			7		52,000	
115	Gordon Kharraswai	1	1	2	-	Farmer	1	2	1	1	2.0	Bettle nut					33,000	
116	Driw Kynjer	1	3	4	2	Farmer	3	1	1	1	2.0	-do-			4		42,000	
																	·	

STATEMENT SHOWING THE SOCIO - ECONOMIC SURVEY

NAME OF VILLAGE DOMBAH

NAME OF C&RD BLOCK NAME OF DISTRICT MAWSYNRAM

EAST KHASI HILLS DISTRICT

SI	Name of the Head of the Family	Nos.	of Populati	on	Total nos. of child below 12 yrs		Liter	racy		olding area household	in ha/	Name of	Averag e yield	I	ivestock in	nos.	Total income of each family per anum (Rs.)	Remar ks
No	ramiy	Male	Female	Total	both female & male out of col. 5	Occupation	Illiterate	Literate	Non arable land	Arable land	Total	crops grown	of each crop in Kg/ha	Cow	Poultry	Piggery		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.	K. Snaitang	2	2	4	2	Farmer		6	1	2	3.0	Sohniamtra Slatyrpad Tympew			14		45,000	
2.	Janmar He Wanniang	1	1	2		Farmer		2	1	1	2.0	Tympew Kwai			8		36,000	
3.	Phrangsin Snaitang	1	1	2		Farmer	1	1	1	1	2.0	Slatyrpad Kwai			8		31,000	
4.	Kesmera Snaitang	3	5	8		Farmer		8	1/2	3	3.5	Slatyrpad Kwai				2	1,25,000	
5.	Phorlinen Snaitang	1	1	2		Farmer	1	1	1	1	2.0	Tympew Kwai			10	1	1,00,000	
6.	Syrpailin Mawlong	1	1	2	2	Farmer	2	2	1	1	2.0	Kwai					30,000	
7.	Sunitalin Mawlong	1	1	2	3	Farmer	1	4	1	1	2.0	Kwai			12	2	46,000	
8.	Pramiarsi snaitang	1	1	2	2	Farmer	2	2	1	1	2.0	Synsar Kwai			9		38,000	
9.	Ridolin Mawlong	1	1	2	1	Farmer	2	1	1	1	2.0	Synsar Slatyrpad					32,000	
10.	Pishalwel snaitang	1	2	3	5	Farmer	2	6	1	2	3.0	Tympew			11	1	42,000	
11.	Commanding Laitang	1	1	2	2	Farmer	1	3	1	1	2.0	Sohmarit Synsar			3	1	35,000	
12.	Wanri Shulay	1	2	3	4	Farmer	2	5	1	2	3.0	Synsar Kwai					45,000	
13.	Pranti Snaitang	3	2	5	3	Farmer	1	7	1	2	3.0	Slatyrpad Kwai					85,000	
14.	Nelasilin Lartang	1	2	3	2	Farmer	1	4	1	1	2.0	Slatyrpad Kwai			6		36,000	
15.	Simarna snaitang	2	1	3	1	Farmer	1	3	1	1	2.0	Tympew Kwai			26		1,50,000	
16.	Starling Nohriang	2	2	4	1	Farmer		5	1	2	3.0	Tympew			8	3	75,000	

												Kwai						
17.	Phliar Four Syiem	1	1	2	2	Farmer		4	1	1	2.0	Slatyrpad Kwai			16		55,000	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
18.	Moral K. Raswai	2	3	5	2	Farmer		7	1	2	3.0	Slatyrpad Kwai				2	95,000	
19.	Phinoral Syiem	2	1	3	1	Farmer		4	1	1	2.0	Slatyrpad Kwai				1	32,000	
20.	Donsingh Mawlong	1	1	2	1	Farmer		3	1	1	2.0	Slatyrpad Kwai			3		40,000	
21.	Standing snaitang	5	4	9	3	Farmer	4	8	1/2	3	3.5	Slatyrpad Kwai			8	2	48,000	
22.	Abassal Syiem	1	2	3	1	Farmer		3	1	1	2.0	Slatyrpad Kwai Synsar			6		50,000	

STATEMENT SHOWING THE SOCIO - ECONOMIC SURVEY

NAME OF VILLAGE UMSAWRANG NAME OF C&RD BLOCK NAME OF DISTRICT MAWSYNRAM

EAST KHASI HILLS DISTRICT

SI	Name of the Head of the Family	Nos	s. of Popula	ation	Total nos. of child below		Liter	acy		olding area household	in ha/	Name of	Average yield of	L	ivestock in	nos.	Total income of each family per anum (Rs.)	Rem arks
No No	Name of the read of the Family	Male	Female	Total	12 yrs both female & male out of col. 5	Occupation	Illiterate	Literate	Non arable land	Arable land	Total	crops grown	each crop in Kg/ha	Cow	Poultry	Piggery		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.	Shri.Kyrkieh Marbaniang	2	4	6	3	Farmer	1	5	1	2	3.0	Battlenut Pepper			8	2	65,000	
2.	Shri.Skalin Nongsiej	2	3	5	3	Farmer	1	4	1	1	2.0	Do			6		58,000	
3.	Shri.Lanton Syiemiong	4	5	9	3	Farmer	2	7	1	2	3.0	Do		2	4	1	76,000	
4.	Shri. Pestar Galong	3	5	8	4	Farmer	5	3	1	2	3.0	Do		1	6	1	70,000	
5.	Smti.Wilbiris Mylliem		1	1		Farmer		1	1	1	2.0	Do					31,000	
6.	Smti.Pynsuklang Khardewsaw		1	1		Farmer		1	1	1	2.0	Do					34,000	
7.	Smti.Diolis Nongsiej		1	1		Farmer	1		1	1	2.0	Do					32,000	
8.	Shri.Ready Kharbani	2	3	5	3	Farmer	3	2	1	2	3.0	Do			8	2	50,000	
9.	Smti.Pliwsila Kharbani	1	2	3		Farmer	3		1	1	2.0	Do			6		40,000	
10.	Smti.Nidia Khongwar	2	3	5		Farmer	4	1	1	1	2.0	Do			3		55,000	
11.	Shri.Elet Syiemiong	1	1	2		Farmer	2		1	1	2.0	Do					35,000	
12.	Shri.Tolan Syiemiong	4	6	10		Farmer	6	4	1/2	3	3.5	Do		2	8	2	80,000	
13.	Smti.Flora Nongsiej	2	1	3		Farmer	3		1	2	3.0	Do					39,000	
14.	Smti.Krinsiloda Marbaniang	2	1	3		Farmer	2	1	1	1	2.0	Do					38,000	
15.	Smti.Mestina Marbaniang	2	2	4		Farmer	2	2	1	1	2.0	Do			4		40,000	
16.	Smti.Biola Syiemiong	1	2	3		Farmer	1	2	1	1	2.0	Do					35,000	
17.	Smti.Persyntiew Marak	1	2	3		Farmer	2	1	1	1	2.0	Do					36,000	
18.	Smti.Aisi Nandah		1	1		Farmer	1		1	1	2.0	Do					30,000	

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – LUMPYNSHAD (MAWRYNGKANG)

NAME OF C&RD BLOCK - MAWSYNRAM

NAME OF DISTRICT - EAST KHASI HILLS DISTRICT

		No	s. of Populati	on	Total nos. of		Liter	racy		olding area household	in ha/			Li	ivestock in	nos.		Rema rks
SI No	Name of the Head of the Family	Male	Female	Total	child below 12 yrs both female & male out of col. 5	Occupation	Illiterate	Literate	Non arable land	Arable land	Total	Name of crops grown	Average yield of each crop in Kg/ha	Cow	Poultry	Piggery	Total income of each family per anum (Rs.)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.	Bilis Lyngdoh	5	3	8	5	Farmer	3	5	1.0	1.0	2.0	Potato	2000 kg	2	400	24	28,000	
2.	Rilda Lynfdoh	3	3	6	3	Farmer	1	5	1.0	1.0	2.0	Potato	2000 kg	0	50	0	30,000	
3.	Dophilian K. Bani	3	2	5	1	Farmer	0	5	2.0	20	4.0	Potato	800 kg	20	15	18	40,000	
4.	Banri Lyngdoh	1	2	3	1	Farmer	1	2	1.0	1.0	2.0	Potato	800 kg	0	30	2	22,000	
5.	Sitabok Lyngdoh	2	2	4	2	Farmer	2	2	1.0	1.0	2.0	Potato	800 kg	1	15	1	24,000	
6.	Diloda Lyngdoh	3	2	5	2	Farmer	2	2	1.0	1.0	2.0	Potato	400 kg	10	20	2	30,000	
7.	Bisharlin Lyngdoh	2	1	3	1	Farmer	1	2	1.0	1.0	2.0	Potato	1000 kg	0	2	0	22,000	
8.	Binoris Lyngdoh	1	1	2	_	Farmer	0	2	1.0	1.0	2.0	Potato	2000 kg	0	4	1	20,000	
9.	Plen K. Bani	4	2	6	2	Farmer	1	5	1.0	1.0	2.0	Potato	600 kg	10	6	2	35,000	
10.	Lisina K. Bnai	4	2	6	4	Farmer	4	2	1.0	0.5	1.5	Potato	800 kg	-	0	5	20,000	
11.	Marlinda K. Bani	2	3	5	3	Farmer	2	3	1.0	0.5	1.5	Potato	200 kg	-	-	-		
12.	Aimonda K. Bani	3	2	5	3	Farmer	4	1	1.0	0.5	1.5	Paddy	800 kg	1	8	1	22,000	
13.	Jidralit K. Bani	4	5	9	4	Farmer	5	4	1.0	0.5	1.5	Paddy	1000 kg	0	12	1	27,000	
14.	Ristalin K. Bani	1	4	5	3	Farmer	4	1	1.0	1.0	2.0	Paddy	800 kg	0	20	1	26,000	
15.	Khilin Nongsiej	4	1	5	-	Farmer	1	4	1.0	1.0	2.0	Paddy	600 kg	20	10	1	30,000	
16.	Jip Sohtun	4	3	7	3	Farmer	1	6	1.0	1.0	2.0	Paddy	1000 kg	4	8	2	27,000	
17.	Ioskola War	2	1	3	-	Farmer	1	2	1.0	1.0	2.0	Paddy	800 kg	1	4	1	22,000	
18.	Tolin Lyngdoh	2	2	4	1	Farmer	1	3	1 ha	1.0	2.0	Paddy	1000 kg	2	11	3	31,000	
19.	PailotLyngkhoi	3	2	5	3	Business	3	1	1.0	1.0	2.0	Paddy	800 kg	1	10	1	35,000	
20.	Kalbina K. Bani	2	4	6	4	Farmer	2	4	1.0	1.0	2.0	Paddy	1000 kg	6	20	2	29,000	
21.	Medalin K. Bani	2	1	3	1	Farmer	1	2	1.0	1.0	2.0	Paddy	800 kg	0	8	1	26,000	<u> </u>
22.	Lewis Nongsiej	4	3	7	5	Farmer	3	4	1.0	1.0	2.0	Paddy	800 kg	2	6	1	27,000	
23.	Kmon Nongsiej	6	2	8	5	Farmer	2	6	1.0	1.0	2.0	Paddy	1000 kg	8	12	4	32,000	
24.	Stian Lyngdoh	-	1	1	-	Farmer	0	1	1.0	1.0	2.0	Paddy	600 kg	2	4	1	20,000	
25.	Aimeries Lyndoh	3	2	5	2	Farmer	1	4	1.0	1.0	2.0	Paddy	700 kg	2	20	1	30,000	
26.	Remilda Lyngdoh	3	l l	4	2	Farmer	2	2	1.0	1.0	2.0	Paddy	800 kg	0	4	0	22,000	

27.	Anita Lyngdoh	3	3	6	4	Farmer	4	2	1.0	1.0	2.0	Paddy	600 kg	0	20	1	24,000	
28.	Jurisha Lyngdoh	1	1	2	-	Farmer	0	2	1.0	1.0	2.0	Paddy	600 kg	0	10	1	22,000	
29.	Tista mary Lyngdoh	1	1	2	-	Farmer	0	2	1.0	1.0	2.0	Paddy	800 kg	1	2	1	21,000	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
30	Mestola Lyngdoh	5	3	8	1	Farmer	2	6	1.0	1.0	2.0	Paddy	1000 kg	4	30	1	34,000	
31	Aisliia Lyngdoh	2	1	3	2	Farmer	1	2	1.0	1.0	2.0	Paddy	600 kg	0	40	1	22,000	
32	Rinang Marwein	5	6	11	7	Farmer	0	11	1.0	0.5	1.5	Potato	1000Kg	2	100	1	28,000	
33	Pynkhambor Marwein	1	1	2	1	Farmer	0	2	1.0	0.5	1.5	Potato	800 kg	0	10	1	20,000	
34	Serila Marwein	3	2	5	1	Farmer	4	1	1.0	0.5	1.5	Paddy	1000 kg	5	12	1	30,000	
35	lamLyngdoh	2	1	3	2	Farmer	1	2	1.0	0.5	1.5	Paddy	800 kg	1	2	1	24,000	
36	Deng Marwein	1	1	2	1	Farmer	1	1	1.0	1.0	2.0	Paddy	600 kg	1	4	1	22,000	
36	Kongrit Marwein	1	1	2	1	Farmer	0	2	1.0	1.0	2.0	Paddy	800 kg	1	2	1	21,000	
37	Slim Lyngdoh	4	6	10	6	Farmer	6	4	1.0	1.0	2.0	Potato	1000 kg	8	10	1	32,000	
38	Dlip Nongsiej	3	4	7	1	Farmer	2	5	1.0	1.0	2.0	Paddy	1000 kg	4	20	1	36,000	
39	Ridalis Lyngdoh	1	1	2	1	Farmer	1	1	1.0	1.0	2.0	Paddy	400 Kg	1	12	0	20,000	
40	Ilovebi Lyngdoh	1	1	2	1	Farmer	0	2	1.0	1.0	2.0	Paddy	600 kg	0	4	1	20,000	
41	Aiioti Nongsiej	3	4	7	6	Farmer	4	3	1.0	1.0	2.0	Paddy	800 kg	2	10	1	27,000	
42	Denola Marwein	2	3	5	1	Farmer	1	4	1.0	1.0	2.0	Potato	600 kg	4	20	1	30,000	
43	Bitalin Marwein	1	1	2	-	Farmer	0	2	1.0	1.0	2.0	Potato	800 kg	1	10	1	22,000	

STATEMENT SHOWING THE SOCIO – ECONOMIC SURVEY

NAME OF VILLAGE – WEILOI

NAME OF C&RD BLOCK - MAWSYNRAM

NAME OF DISTRICT - EAST KHASI HILLS DISTRICT

Sl No	Name of the Head of the Family	Nos	. of Popula	tion	Total nos. of child below 12 yrs both female	Occupation	Liter	асу		olding area nousehold	in ha/	Name of crops grown	Average yield of each crop in Kg/ha	I	ivestock in	nos.	Total income of each family per anum (Rs.)	Re ma rks
		Male	Female	Total	& male out of col. 5		Illiterate	Literate	Non arable land	Arable land	Total			Cow	Poultry	Piggery		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.	Merisa Kharsyntiew	3	1	4	1	Farmer	1	3	1	1	2	Paddy Potato	500kg 1000kg	3	0	0	21,600	
2.	Dirilda Kharnaior	4	4	8	2	Farmer	1	7	1	1	2	Paddy Potato	550kg 900kg	1	0	1	37,440	
3.	Evangel Mary Hynniewta	4	4	8	2	Farmer	1	7	2	1	3	0	0	0	0	0	37,440	
4.	Donbosco Kharmyndai	6	4	10	5	Farmer	3	7	1	1	2	Paddy Potato	600kg 800kg	3	15	0	4,06,800	
5.	Bilocy Kynter	1	4	5	1	Farmer	2	3	1	1	2	Paddy Potato	450kg 700kg	0	5	1	27,000	
6.	Ermolin Sohtun	1	3	4	0	Farmer	0	4	1	1	2	Paddy Potato	500ka 800kg	0	12	0	16,200	
7.	Eslona Kharbani	1	7	8	4	Farmer	1	7	2	1	3	0	0	0	0	1	37,440	
8.	Relo Kharnaior	3	2	5	2	Farmer	2	3	1	1	2	Paddy Potato	1000kg 1500kg	3	0	1	27,000	
9.	Distarboy Kharbani	3	4	7	4	Farmer	3	4	2	1	3	0	0	0	0	0	32,760	
10.	Wanshailang Kynter	1	3	4	0	Farmer	0	4	1	1	2	Paddy Potato	800kg 1200kg	4	12	0	21,600	
11.	Reskona Kharbani	3	3	6	0	Farmer	1	5	1	1	2	Paddy Potato	800kg 1000kg	0	0	0	32,400	
12.	Junisha Kharnaior	5	3	8	2	Farmer	2	6	1	1	2	Paddy Potato	500kg 800kg	1	0	0	37,440	
13.	Planting Wanniang	4	3	1	2	Farmer	1	6	0.50	0.25	0.75	-do-	500kg 1000kg	3	4	-	21,600	
14.	Raw Kharnaior	2	2	4	3	Farmer	1	2	0.50	0.25	0.75	-do-	-do-	-	5	2	15,000	
15.	Margret Ryntathiang	3	3	6	0	Farmer	-	6	0.50	0.25	0.75	-do-	-do-	2	6	1	20,000	
16.	Mardigret Kharbani	2	3	5	0	Farmer	-	5	0.50	0.50	1.0	-do-	-do-	-	8	3	24,000	
17.	Wanplimaxi Lyngkhoi	3	2	5	2	Farmer	-	5	0.50	0.50	1.0	-do-	-do-	-	2	-	30,000	
18.	Thwein Kharsyntiew	1	3	4	2	Farmer	1	3	0.25	0.50	0.75	-do-	-do-	-	5	1	10,000	

19.	Kbiar Lyngdoh	2	4	6	2	Farmer	2	4	0.50	0.50	1.00	-do-	-do-	-	3	-	15,000	
20.	Bilonia Kharnaior	3	1	4	1	Farmer	-	4	0.25	0.25	0.50	-do-	-do-	-	7	2	20,000	
21.	Suior Sawkmie	2	2	4	1	Farmer	1	3	0.25	0.25	0.50	-do-	-do-	-	4	-	12,000	
22.	Ngiar Wanniang	3	3	6	2	Farmer	1	5	0.50	0.25	0.75	-do-	-do-	-	2	-	21,000	
23	Birbila Hynniewta	4	2	6	3	Farmer	2	4	0.25	0.25	0.50	-do-	-do-	-	4	2	28,000	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
24	Bina Kharnaior	3	2	5	2	Farmer	1	4	0.50	0.25	0.75	Paddy Potato	500kg 1000kg	-	1	-	21,000	
25	Stida Marngar	2	1	3	1	Farmer	1	2	0.5	0.25	0.75	Paddy Potato	800kg 1000kg	-	4	1	10,000	
26	Bisirwa Kharnaior	2	4	6	3	Farmer	2	4	0.25	0.25	0.50	Paddy Potato	800kg 1000kg	1	6	-	14,000	
27	Mestar Kharnaior	3	2	5	2	Farmer	1	4	1.0	0.50	1.50	Paddy Potato	800kg 1000kg	2	4	ı	20,000	
28	Phlonel Lyngkhoi	4	3	7	3	Farmer	1	6	0.25	0.25	0.50	Paddy Potato	800kg 1000kg	-	6	-	28,000	
29	Dalis Kharnaior	2	4	6	2	Farmer	1	5	0.50	0.50	1.00	Paddy Potato	800kg 1000kg	2	8	1	15,000	
30	Lobirda Ryntathiang	3	3	6	2	Farmer	2	4	0.25	0.25	0.50	Paddy Potato	800kg 1000kg	1	6	-	24,000	
31	Therin Lyngkhoi	3	4	7	3	Farmer	2	5	0.50	0.25	0.75	Paddy Potato	800kg 1000kg	2	7	1	20,000	
32	Montilin Wahlang	4	4	8	2	Farmer	5	3	0.25	0.25	0.50	Paddy Potato	1000kg 2000kg	-	6	1	28,000	
33	Elington Wanniang	2	4	8	3	Farmer	6	2	0.25	0.75	1.0	Paddy Potato	1000kg 2000kg	4	10	-	14,000	
34	Josping Kynter	1	2	3	1	Farmer	2	1	0.25	0.50	0.75	Paddy Potato	1000kg 2000kg	-	8	1	10,000	
35	Elir Kharnaior	2	5	7	2	Farmer	5	2	0.25	0.25	0.50	Paddy Potato	1000kg 2000kg	2	4	1	30,000	
36	Iiolin Wanniang	3	4	7	3	Farmer	6	1	0.25	0.25	0.50	Paddy Potato	1000kg 2000kg	1	8	1	21,000	
37	Prup Kharnaior	2	4	6	2	Farmer	4	2	0.50	0.25	0.75	Paddy Potato	1000kg 2000kg	-	6	2	24,000	
38	Britstina Kharnaior	3	5	8	4	Farmer	6	2	0.25	0.25	0.50	Paddy Potato	1000kg 2000kg	2	6	2	21,000	
39	Britstina Wanniang	2	3	5	2	Farmer	3	2	0.50	0.50	1.00	Paddy Potato	1000kg 2000kg	-	8	1	15,000	
40	Monsida Kharnaior	3	3	6	2	Farmer	5	1	0.50	0.50	1.00	Paddy Potato	1000kg 2000kg	-	10	1	21,000	
41	Biktoria Lyngkhoi	4	4	8	3	Farmer	6	2	0.25	0.50	0.75	Paddy Potato	1000kg 2000kg	2	12	-	30,000	
42	Magdalin Lyngkhoi	3	4	7	3	Business	6	1	0.25	0.25	0.50	Paddy Potato	1000kg 2000kg	1	2	2	24,000	
43	Klotrirda Lyngkhoi	2	3	5	2	Farmer	4	1	0.50	0.25	0.75	Paddy Potato	1000kg 2000kg	-	8	1	15,000	
44	Lestimen Mawlong	1	3	4	1	Govt. service	3	1	0.75	0.25	1.00	Paddy Potato	1000kg 2000kg	2	4	-	10,000	
45	Elo Mawlong	2	4	6	2	Farmer	4	2	0.25	0.25	0.50	Paddy	1000kg	1	6	1	15,000	

												Potato	2000kg					
46	Beris Swer	3	4	7	3	Business	5	2	0.50	0.25	0.75	Paddy Potato	1000kg 2000kg	-	4	-	40,000	
47	Tina Blah	2	2	4	1	Farmer	3	1	0.25	0.25	0.50	Paddy Potato	1000kg 2000kg	-	6	2	15,000	
48	Amabilis Kharbani	3	2	5	2	Farmer	4	1	0.50	0.25	0.75	Paddy Potato	1000kg 2000kg	-	4	1	21,000	
49	Slin Myrthong	4	2	6	2	Farmer	4	2	0.25	0.25	0.50	Paddy Potato	1000kg 2000kg	2	10	-	30,000	
50	Siiona Kharnaior	3	4	7	3	Farmer	5	2	0.50	0.50	1.00	Paddy Potato	1000kg 2000kg	1	12	1	21,000	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
51	Ritstina Nongsiej	5	3	8	4	Farmer	6	2	0.25	0.50	0.75	Paddy Potato	1000kg 2000kg	-	4	-	35,000	
52	Dilo Kharnaior	1	1	2	0	Farmer	2	0	0.50	0.75	1.25	Paddy Potato	1000kg 2000kg	1	8	1	10,000	
53	Dahun Wanniang	2	3	5	1	Farmer	4	1	0.25	0.25	0.50	Paddy Potato	1000kg 2000kg	-	6	2	15,000	
54	Buntalin Nongsiej	1	3	4	2	Farmer	3	1	0.50	0.50	1.00	Paddy Potato	1000kg 2000kg	2	8	-	10,000	
55	Tasiana Lyngkhoi	2	3	5	2	Farmer	3	2	0.50	0.25	0.75	Paddy Potato	1000kg 2000kg	1	10	1	15,000	
56	Uphrasia Lyngkhoi	4	2	6	3	Farmer	5	1	0.25	0.25	0.50	Paddy Potato	1000kg 2000kg	-	6	-	28,000	
57	Emil Sohtun	5	2	7	2	Farmer	6	1	0.50	0.25	0.75	Paddy Potato	1000kg 2000kg	3	10	-	35,000	
58	Martina Myrthong	1	3	4	1	Farmer	3	1	0.50	0.50	1.00	Paddy Potato	1000kg 2000kg	-	6	2	10,000	
59	Ritalis Myrthong	4	4	8	2	Business	6	2	0.25	0.50	0.75	Paddy Potato	1000kg 2000kg	2	10	1	28,000	
60	Sidolin Kharbani	3	2	5	3	Farmer	4	1	0.75	0.25	1.00	Paddy Potato	1000kg 2000kg	-	5	1	21,000	
61	Herian Kharhujon	2	4	6	2	Farmer	4	2	0.25	0.25	0.50	Paddy Potato	1000kg 2000kg	-	6	-	14,000	
62	Blistina Mawlong	1	6	7	3	Farmer	5	2	0.25	0.25	0.50	Paddy Potato	1000kg 2000kg	2	8	-	10,000	
63	Lakmensi Lyngkhoi	1	2	3	1	Farmer	2	1	0.50	0.25	0.75	Paddy Potato	1000kg 2000kg	3	7	1	10,000	
64	Lusia Lyngkhoi	1	1	2	0	Farmer	0	2	0.25	0.25	0.50	Paddy Potato	1000kg 2000kg	-	4	2	12,000	

ANNEXTURE III COST NORMS AND ESTIMATES

RECOMMENDED COST NORMS FOR PLANTATION WORKS AND UNIT RATE FOR LIVELIHOOD ACTIVITIES INCLUDING PRODUCTION SYSTEM UNDER IWMP 2010 – 2011.

Arable Land Treatment:ı.

(i) Contour Bunding/ Loose boulder bunds @ Rs 7500/Ha (ii) Bench Terracing @ Rs 20,000/ Ha @ Rs 50/Rm

(iii) Peripheral Bunding

(iv) Agro Horticulture

(a)1st Year Rs 1,300/-; 2nd Year Rs 4,600/-; 3rd Year Rs 2700/-) @ Rs 8600/- Citrus

(b) 1st Year Rs 1,100/-; 2nd Year Rs 4,480/-; 3rd Year Rs 2,370/-) @ Rs 8,350/- Temperate

Ш **Non Arable Land Treatment**

(i) Agro Forestry

(1st Year Rs 1,700/-; 2nd Year Rs 5,500/-; 3rd Year Rs 2,900/-) @ Rs 10,100/Ha

(ii) Improvement of degraded Forest.

(1st Year Rs 700/-; 2nd Year Rs 1900/-; 3rd Year Rs 1000/-) @ Rs 3600/Ha

Ш **Drainage Line Treatment**

(i) Protection Wall – as per plan & Estimate.

(Model Estimate @ Rs 22830/-)

(ii) Water Harvesting Structures –as per plan & Estimate.

(Model Estimate @ Rs 32,800/-)

(iii) Dug Out Pond – as per Plan & Estimate.

(Model Estimate @ Rs 16000/-)

(iv) Check Dams for Water Distribution Works – as per Plan & Estimate.

(Model Estimate @ Rs 29900/-)

(v) Run off disposal drains @ Rs 26/Rm

IV <u>Livelihood Activities</u>

(i) Tailoring	@ Rs 8,000/each
(ii) Carpentry	@ Rs 5000/each
(iii) Agricultural implements	@ Rs 2500/each
(iv) Hollow block Making	@ Rs 5,000/each
(v) Poultry / Piggery	@ Rs 8,000/each
(vi) Pisciculture	@ Rs 10,000/each
(vii) Kitchen gardening including compost pit	@ Rs 2500/each

V. <u>Production system & Micro Enterprises</u>

(i) Piggery Poultry Farm	@ Rs 30,000/each
(ii) Pisciculture	@ Rs 30,000/each
(iii) Fruits Processing/Betel Nut/ Rice Mill	@ Rs 50,000/each
(iv) Handicraft/ Basket Making	@ Rs 30,000/each

ESTIMATE FOR CONSTRUCTION OF PRORTECTION WALL.

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

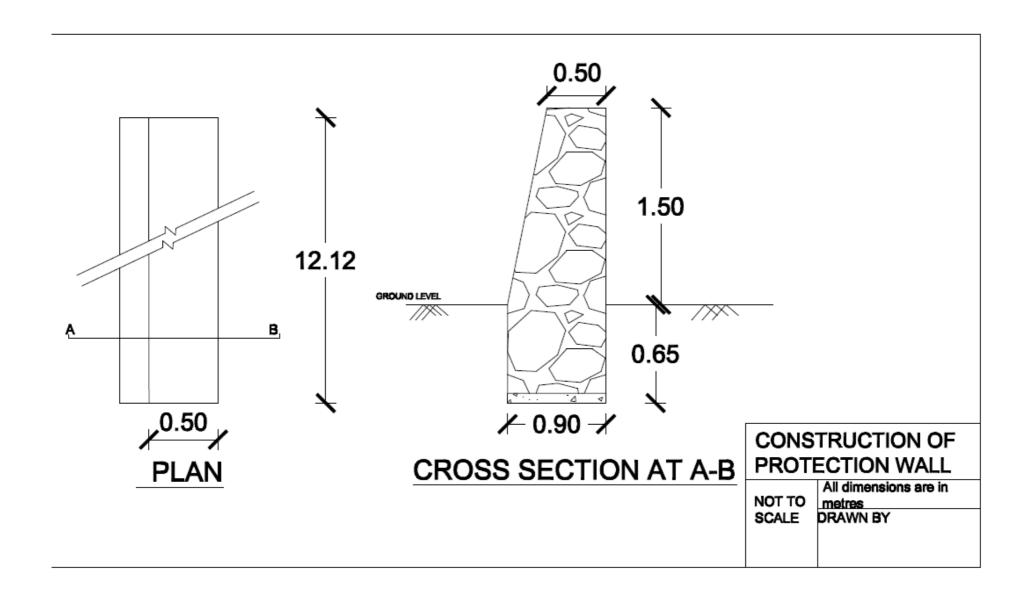
SI no	PARTICULARS	NO	DIM	ENSI	NC	QTY	UNIT	RATE	AMOUNT
			L	В	Н				(RS)
1/6 (a)	Earthwork in excavation for foundation of hume pipe, culvert, slab drain, retaininmg wall face well up to the desired founding level including dewatering, bailing out of water and protecting the sides of foundation by adequate shoring, scaffolding. The foundation is leveled both longitudinally and traversely as directed								
		1	12.12	0.9	0.65	7.09	CU.M		
			TOT	AL		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	1.00	CU.M		
			TOT		0.1	1.09 1.09	CU.M	2136	2329.95
3/20(a)	Providing regular stone masonary 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	2130	2323.93
		1	12.12	0.7	1.5	12.73	CU.M		
			TOT	AL		18.73	CU.M	1060	19848.92

GRAND TOTAL

22838.26

SAY :- Rs. 22,830.00

Rupees Twenty Two Thousand Eight Hundred Thirty only.



ESTIMATE FOR CONSTRUCTION OF WATER HARVESTING STRUCTURE.

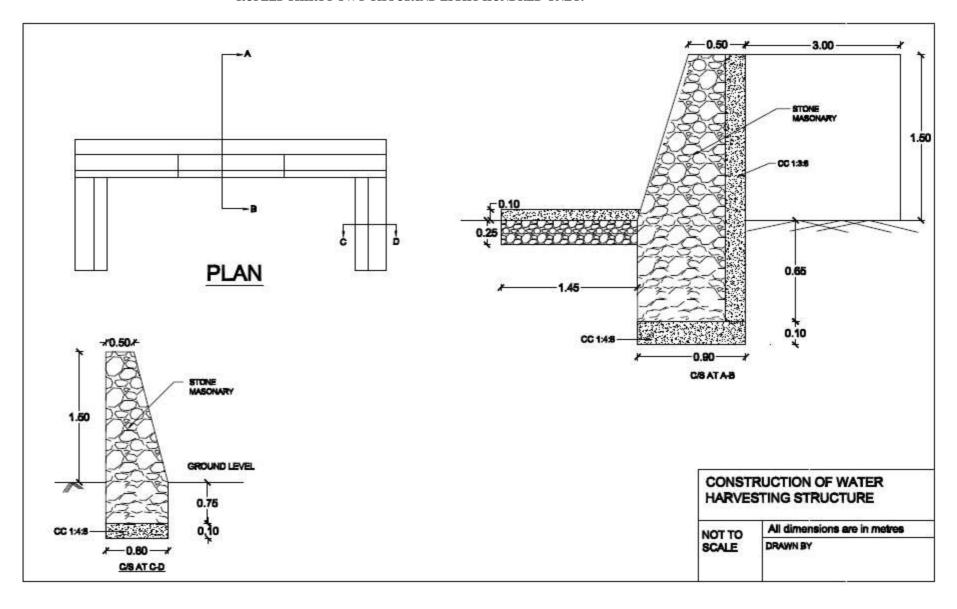
(Rate Based as per MPWD scheduled or rates for Road and Bridges for Eastern circle, Shillong for the year 2008-09)

SI no	PARTICULARS	NO	DII	MENSI	ON	QTY	UNIT	RATE	AMOUNT
			L	В	Н				₹
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								
	DAM	1	7.85	0.95	0.75	5.59	CU.M		
	WING WALL (U/S)	2	2	0.85	0.75	2.55	CU.M		
			ТО	TAL		8.14	CU.M	152	1237.755
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								
	DAM	1	7.85	0.95	0.1	0.75	CU.M		
	WING WALL	2	2	0.85	0.1	0.34	CU.M		
			TO	TAL		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								
	DAM	1	7.85	1.5		11.775	SQ.M		
			ТО	TAL		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 ,								
	DAM	1	7.85	0.1	2.15		CU.M		
			ТО	TAL		1.69	CU.M	2344	3956.086
5/20(a)	Providing regular stone masonary 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	7.85	0.85	0.65	4.34	CU.M		
		1	7.85	0.68	1.5	7.95	CU.M		
	WING WALLS	2	2	0.85	0.65	2.21	CU.M		
		2	2	0.68	1.5	4.05	CU.M		
			ТО	TAL	•	18.55	CU.M	1060	19657.97
9/26									
	Providing 12mm thick cement plastering including cleaing the surface, curing carriage of sand within 200m complete								
	DAM	1	7.85	0.5		3.925	SQ.M		
		1	7.85	1.5		11.775	SQ.M		
	W/WALLS	2	2	0.4		1.6	SQ.M		
		2	2	1.5		6	SQ.M		
			ТО	TAL		23.30	SQ.M	93	2166.90

GRAND TOTAL

32811.49

RUPEES THIRTY TWO THOUSAND EIGHT HUNDRED ONLY.



ESTIMATE FOR CONSTRUCTION OF DUG OUT POND.

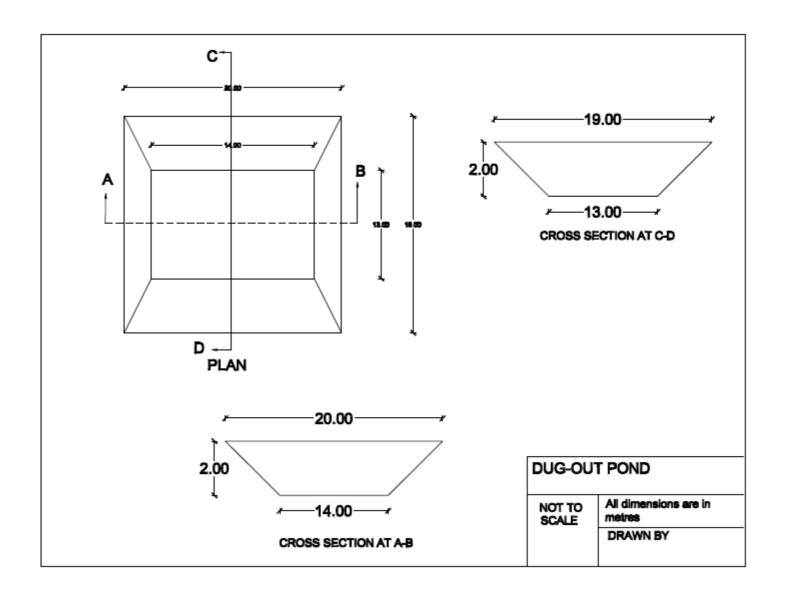
(Rate Based as per MPWD scheduled or rates for Roads and Bridges for Eastern circle, Shillong for the year 2008-09) HEIGHT: 2.0 m.

SI no	PARTICULARS		DII	MENS	SION	QTY	UNIT	RATE	AMOUNT
		NO	L	В	Н			(Rs)	(RS)
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 16087.50

SAY :- ₹ 16,000.00

RUPEES SIXTEEN THOUSAND ONLY.



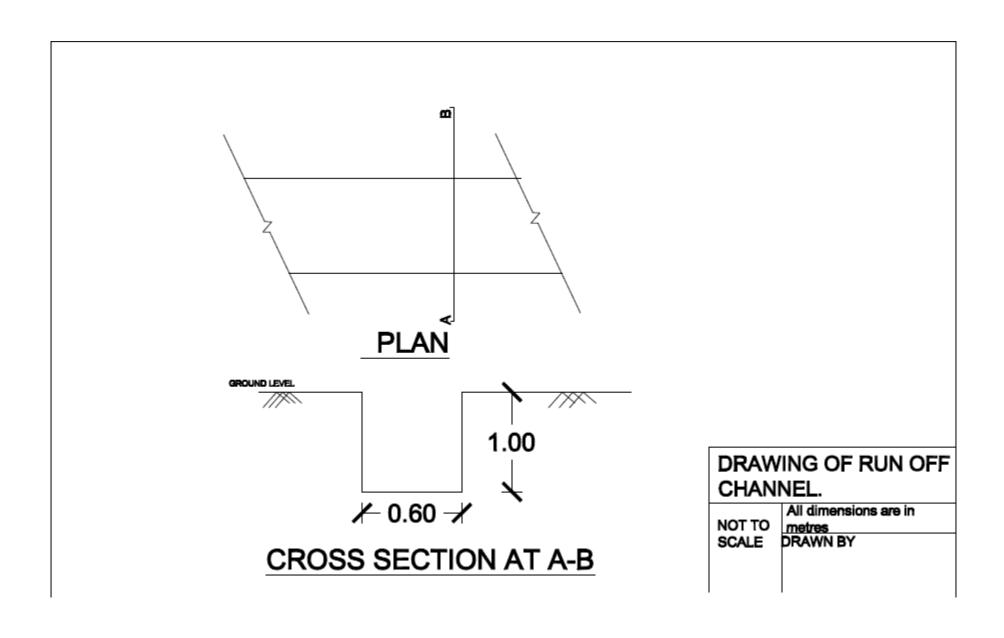
ESTIMATE FOR CONSTRUCTION OF RUN OFF CHANNEL.

(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.

SI no	PARTICULARS	NO	DIMENSION		DIMENSION		DIMENSION		DIMENSION		DIMENSION		DIMENSION		DIMENSION		DIMENSION		DIMENSION (DIMENSION C		DIMENSION		UNIT	RATE	AMOUNT								
			L	В	Н				(RS)																										
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

(RUPEES TWENTY SIX) ONLY.



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-

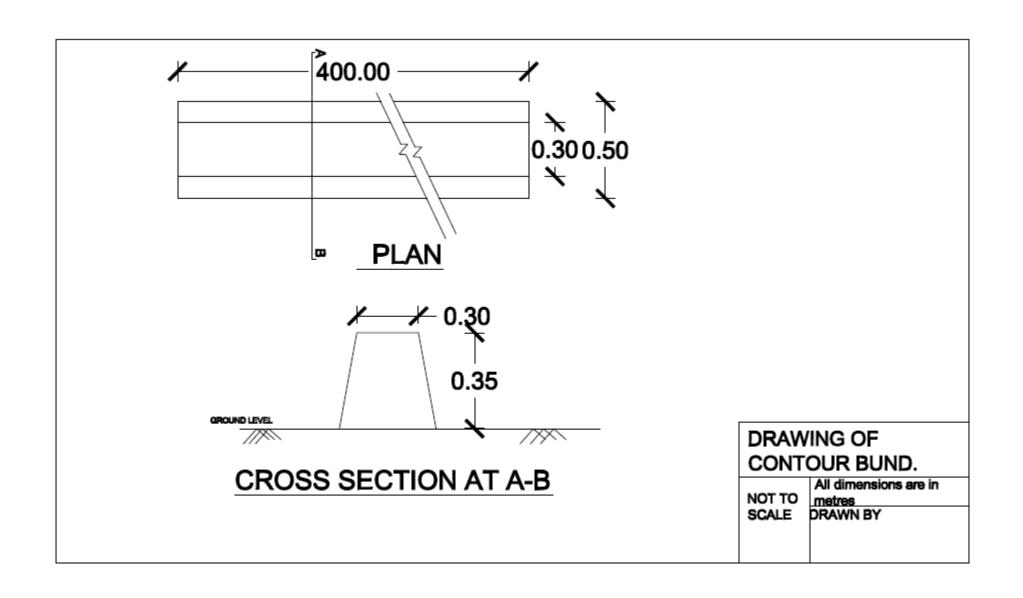
SI no	PARTICULARS		DIMENSION Q		QTY	UNIT	RATE	AMOUNT	
		NO	L	В	Н			(Rs)	(RS)
1/8	Earthwork in filling with approved earth like sandy soil, moorum etc, in an embankment in layers not exceeding 20cm thick including breaking clods, dressing and ramming and lead upto 30m and lift upto 150cm								
		1	400	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.



COST NORMSFOREARTHEN PERIPHERAL BUND WITH LIVE VEGETATION PER METRE (INTEGRATEDWATERSHED MANAGEMENT PROGRAMME) (Rate as per PWD, SOR for R&B 2008 – 2009)

A. PERIPHERAL BUNDS SPECIFICATION & COSTS

Top Width = 1.0 m

Bottom Width = 1.2 m

Height = 1.0 m

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

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

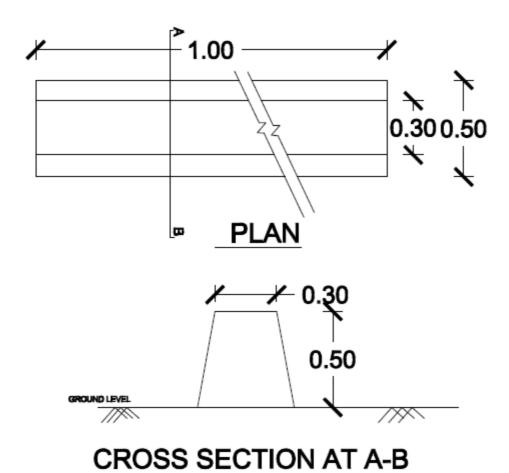
 $@ Rs.39.00/m^3 = Rs.43.00$

2. Supplying and planting of live hedges on toe of bunds with local shrubs/cutting etc.

per Running metre in L.S = Rs. 7.00

Total = Rs.50.00

(Rupees Fifty) only.



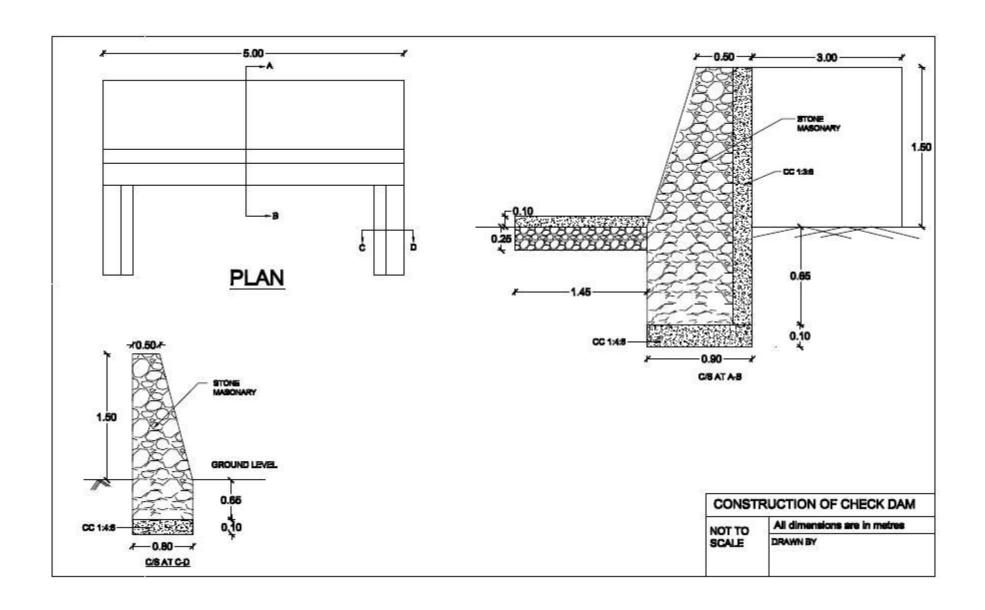
DRAWING OF PERIPHERAL BUND.								
NOT TO SCALE	All dimensions are in metres DRAWN BY							

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)

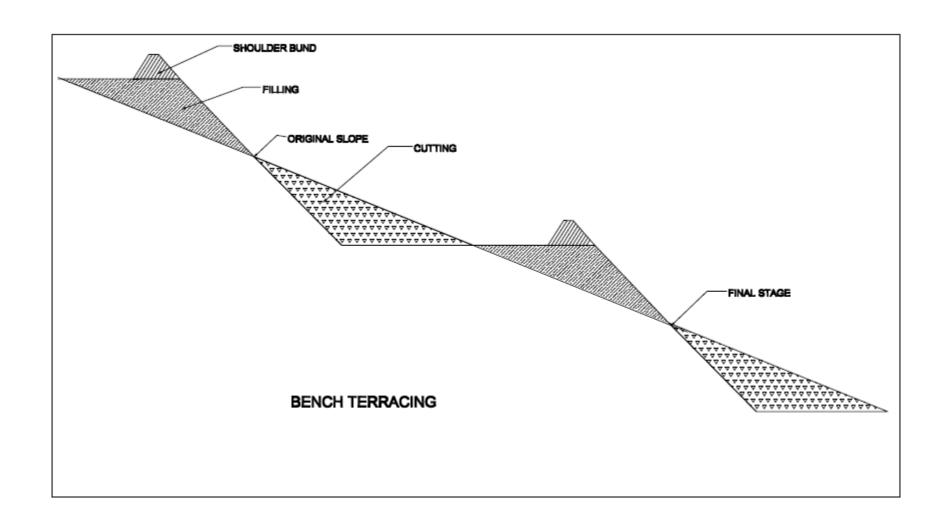
	sed as per MPWD scheduled or rates for Road and Bridges for Eastern circle, Shillong for the year 2008-0								1
SI no	PARTICULARS			QTY	UNIT	RATE	AMOUNT		
			L	В	Н				(RS)
1/4 (b)	Earthwork in excavation for foundation for abutment and wing walls of bridges and culvert, upto the founding level including 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								
	DAM WING WALL (U/S)	1 2	5 3	0.9 0.8	0.75 0.75	3.38 3.60	CU.M CU.M		
	APRON	1	5	1.45	0.25	1.81	CU.M		
			TO	AL		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, DAM	1	5	0.9	0.1	0.45	CU.M		
	WING WALL	2	3	0.8	0.1	0.48	CU.M		
			TO	AL		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								
	DAM	1	5	1.5		7.5	SQ.M		
	APRON	2	1.45	0.1		0.29	SQ.M		
			TO	ΓAL		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, c								
	DAM	1	5	0.1	2.15	1.08	CU.M		
	APRON	1	5	1.45	0.1	0.725	CU.M		
			TO	AL		1.80	CU.M	2344	4219.2
5/20(a)	Providing regular stone masonary 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								
	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	4000	40477.70
7/24			TOT	AL	1	15.55	CU.IVI	1060	16477.70
1124	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								
	APRON	1	5	1.45	0.25	1.8125	CU.M		
			TOT	ΓAL		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		
				TAL	29.25	SQ.M	93	2720.25
		GRAN TOTA						
								29965.38
					SAY ₹ 29,	,900.00		
	(RUPEES TWENTY NINE THOUSAND NINE HUNDRED) 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. A	verage Terrace width	12	8	5
R	ecommended (m).			
2. V	ertical interval VI=W x S /100 – S.	1.04	1.41	1.80
3. Te	errace Length (m)= A/W + VI	767.00	1063.00	1471.00
4. Ea	$arthwork = 12.5 \times W \times SM^3$	1200.00	1500.00	1656.25
5. Sl	houlder Bund Length.	779.00	1071.00	1476.00
6. SI	houlder bund cross section (m²).	0.08	0.08	0.08
7. Ea	arthwork for shoulder bund (m³).	62.32	85.68	118.08
8. A	rea 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/m³	31200.00	39000.00	43063.00
iii.	Cost of shoulder @ ₹13/m³	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
TOT	AL COST: 35852.00	44056.00	48640.00	



ESTIMATE FOR CONSTRUCTION OF BETEL NUT SOAKING POND

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

SI no	PARTICULARS	NO	DIM	ENSIC	N	QTY	UNIT	RATE	AMOUNT
			L	В	Н				₹
1/3 (d)	Earth work in excavation to the proper grade including light dressing, providing cambering and super elevation as directed and removal of spoil upto 30m lead and all lift. d) Soft or laminated rock or medium shale								
		2	3.4	3.3	1.85	41.51	CU.M		
			тот	AL		41.51	CU.M	63	2615.382
2/3(i)	Earth work in excavation to the proper grade including light dressing, providing cambering and super elevation as directed and removal of spoil upto 30m lead and all lift.) Extra for excavation in through cutting over 150 cm height at the lowest point.								
		2	3.4	3.3	1.85	41.51	CU.M		
2/2=			тот	AL		41.51	CU.M	13	539.68
3/25	Providing boulders or stone filling with unsized stone of one man size of 60 cm with behind the abutments, wing walls, retaining walls, etc within 200 m complete								
		2	3.4	3.3	0.25	5.61	SQ.M		
4/20		-	тот	AL		5.61	SQ.M	322	1806.42
4/20	Providing regular stone masonry work in returning walls, breast walls and wing walls with hammer dressed or blunt chisel dressed stones of heavy section (size not less than 25cm x 25cm x 30cm), with proper key stones each not less than 25cm x 25cm x 75cm, in cement mortar 1:6 including carriage of stone within 200m and filling in trenches and providing weep holes at 1.2 to 1.5m apart (staggered), complete as directed.								
		4	3.3	1.85	0.4	9.77	CU.M		
		4	3.4 TOT	1.85	0.4	10.06 19.83	CU.M	1060	21021.92
5/41			101	AL		19.83	CU.IVI	1060	21021.92
0 ,	Providing shuttering with dressed planks not less than 25mm thick properly joined including battens, props to the proper level and removing of same after the concrete hardened complete as directed.								
		4	2.3	1.85		17.02	SQ.M		
		4	2.4	1.85		17.76	SQ.M		
0/00			тот	AL		34.78	SQ.M	92	3199.76
6/28	Providing cement concrete work in proportion 1:3:6 with hard broken stone aggregates 40mm down graded, including necessary carriage of stone and sand within a distance of 200m and curing, complete as directed								
		2	3.4	3.3	0.1	2.24	CU.M		
		4	2.6	1.85	0.1	1.92	CU.M		
		4	2.5	1.85	0.1	1.85	CU.M		
			TOT	AL		6.02	CU.M	2344	14106.19

7/27	Providing 12mm thick cement plastering including cleaning surface, curing carriage of sand within							
	200m complete.							
		2	2.4	2.3	11.0	SQ.M		
		4	2.4	1.85	17.7	SQ.M		
		4	2.3	1.85	17.0	SQ.M		
		4	3.4	0.3	4.0	SQ.M		
		4	3.3	0.3	3.9	SQ.M		
		2	14.4	0.5	14.4	SQ.M		
			TOT	AL	68.2	SQ.M	92	6279.92
8	Providing filling fitting of G.I Pipe.							
	in L.S.		431.00					
		L	тот	AL				431.00

GRAND TOTAL

50000.28

SAY Rs 50,000.00

RUPEES FIFTY THOUSAND ONLY.

MODEL NORMS PER HECTARE FOR AGRO – HORTICULTURE WITH TEMPERATE ORCITRUS FRUIT (INTEGRATED WATERSHED MANAGEMENT PROGRAMME)

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

Spacing - 8m x 6.3mPlant Density - 200 Nos (citrus)/ 160 Nos (temperate)

SL NO	WORKS	CITRUS (₹)	TEMPERATE (₹)
1	A. Preliminary works I. Site Clearance, 3 Mandays @ Rs100/manday II. Pit Digging (pit size 0.45m x 0.45m x 0.45m) 200/160Nos @ Rs5/each TOTAL	300 1000 1300	300 800 1100
2	B. First Year Planting I. Cost of planting materials a) 200nos @ Rs10/each(Citrus) b) 160 nos @ Rs 15/each(Temperate) II. Cost of Planting @ Rs 3/each III. Weeding two times for 20 mandays @ Rs 100/manday TOTAL	2000 - 600 2000 4600	2400 480 2000 4880
3	c) Second Year Planting I. Refilling vacancy (10%) II. Weeding two times for 20 mandays @ Rs 100/manday III. Plant protection measures including cost of chemical TOTAL	360 2000 340 2700	370 2000 2370
	GRAND TOTAL	8600	8350

MODEL NORMS PER HECTARE FOR AFFORESTATION WITH NON-PINE (INTEGRATED WATERSHED MANAGEMENT PROGRAMME) (Rate as per PWD, SOR for R&B 2008 – 2009)

Spacing 6m x 5.5m

Plant Density – 300 Nos.

I. <u>Preliminary works</u>Jungle clearance etc.

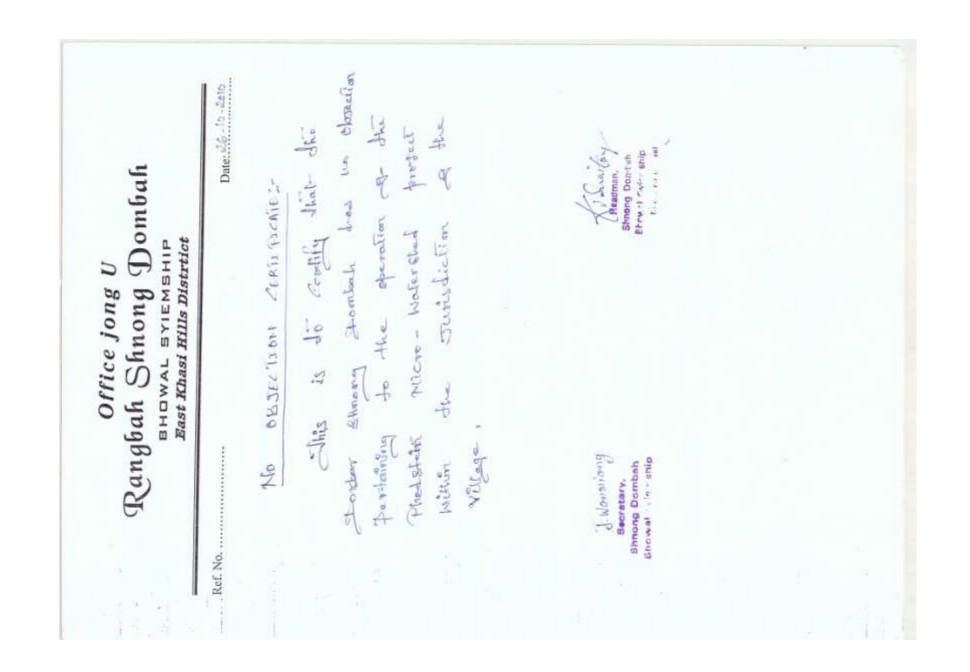
	5 mandays @ Rs.100/- per manday		-	Rs. 500.00
II.	Pit digging (pit size 0.30m x 0.30m x 0.30m)			
	300 Nos. @ Rs.4/- each		-	Rs. 1200.00
		Total	-	Rs. 1700.00
В.	First year Planting			
I.	Cost of planting materials			
	300 Nos. @ Rs.8/- each		-	Rs. 2400.00
II.	Cost of planting 300 Nos. @ Rs. 2/- each		-	Rs. 600.00
III.	Weeding two times 20 mandays			
	@ Rs.100/- per manday		-	Rs. 2000.00
	•			
IV.	Fire protection measures			
	5 mandays @ Rs.100/- per manday		-	Rs. 500.00
		Total	-	Rs. 5500.00
C.	Second year Planting			
I.	Vacancy refilling (10%)		-	Rs. 300.00
II.	Weeding two times 20 mandays			
	@ Rs.100/- per manday		-	Rs. 2000.00
III.	Fire protection measures			
	5 mandays @ Rs.100/- per manday		-	Rs. 500.00
		Total	-	Rs. 2900.00

Grand Total A+B+C = Rs.1700.00 + Rs.5500.00 + Rs.2900.00 = Rs.10100.00 (Rupees Ten thousand one hundred only).

ANNEXURE IV

MoA, SUB COMMITTEE DETAILS ETC.

ship Lose whose Date 26-10,9010 No objection UMSAWRANG VILLAGE Phototein Micro Water BHOWAL SYIEMSHIP, EAST KHASI HILLS P.O. PIN-793106 NO OBSECTION CERTIFICATE certify that They is the 26.10.3010. りがから Ref. No. Underesting gine



SHNONG PYNDENDAKNI DORBAR

P.O. Dangar,
East Khasi Hills Dist. 793106
RHOWAL STIEMSHIP

Date 27-10-2010

Ref No

NO DOJECTION CERTIFICATE

Shnong Rndendakm has no Objection pertaining to the Operation of the STIEMSHIP This is to certify that the Durbar Project under Phodstein Micro Water shed within the village which is BHOWAL 5 The jusisdiction

Secretary, Secretary, Bostar Shnong Pyndandakai East Khasi Allia

Me gban Shrong, Berbar shr ong Pyndendakni East Khasi Hits

No Objection Certificate

This is to certify that the proposed area which is actually dangar Kost Klasi Hills as indicated in the project proposed under Phull - Stella.
Watershed IWMP Project V 2010-11 is correct and true as per findings. Phuld-Stein available for treatment under this village

We further certify that we do not have any objection to the Project if implemented by Soil & Water Conservation Department and also the Constitution of Watershed Committee and Registration the same.

Dated - Langar The - 26-10 2010

64

142

100

Date 23/10/010 This is to certify that the proposed area which is actually at under this village Dongboogla (Mante, 1984) We further certify that we do not have any objection to the Project if implemented by Soil & Water Conservation Department and also the DORBAR SHNONG MAWTEIBAH Watershed IWMP Project V 2010-11 is correct and true as per findings. available for treatment under this village Dong bougla (pro-as indicated in the project proposed under Plud - Sket doll Constitution of Watershed Committee and Registration the same. East Khasi Hills No Objection Certificate Ref.No.

Date 2/1/10 (10 We further certify that we do not have any objection to the Project if implemented by Soil & Water Conservation Department and also the This is to certify that the proposed area which is actually available for treatment under this village Marifoguit (Keel Java + Neur Itial) THE DORBAR SHNONG LANGSYMPHUT RAID SAW SYMPER, MAHARAM SYIEMSHIP EAST KINSH HILLS P.O. MANYHILANG, B.P.O. PONCKUNG - 793121 Watershed IWMP Project V 2010-11 is correct and true as per findings. Phud-Shetdah Constitution of Watershed Committee and Registration the same. No Objection Certificate Office of as indicated in the project proposed under Ref. Na. de. 60. ĸ.

OFFICE OF THE

DORBAR SHONG MAWRYNGKANG VILLAGE

MAHARAM SYIEMSHIP, EAST KHASI HILLS DISTRICT

Ref. No.

6%

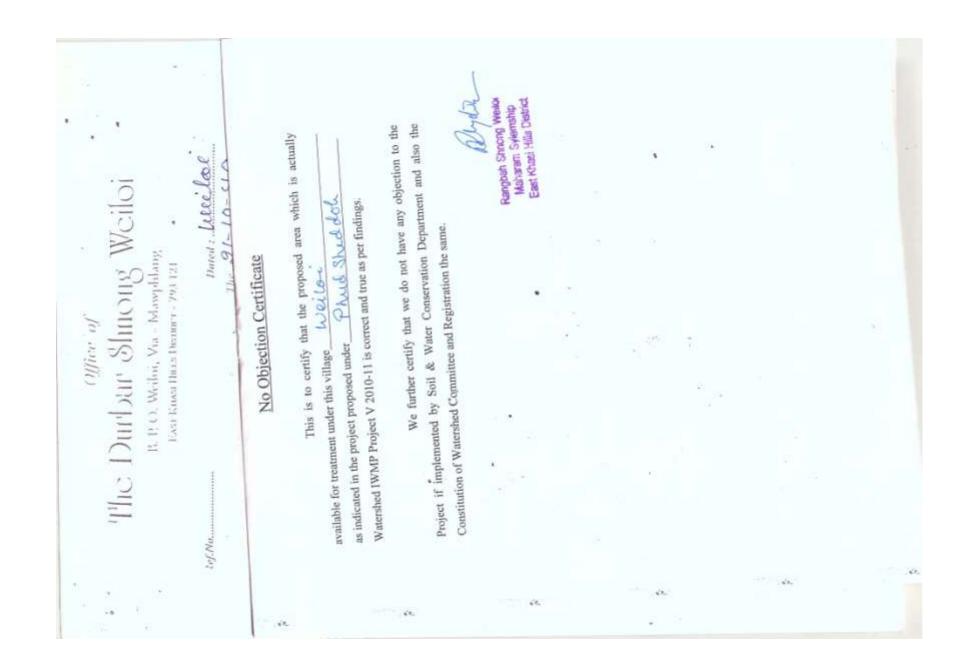
, 23/10/1

No Objection Certificate

available for treatment under this village Mail Hand Hand has helped a sieford as indicated in the project proposed under Phind shelde. This is to certify that the proposed area which is actually Watershed IWMP Project V 2010-11 is correct and true as per findings.

We further certify that we do not have any objection to the Project if implemented by Soil & Water Conservation Department and also the Constitution of Watershed Committee and Registration the same.

145



No Objection Certificate

This is to certify that the proposed area which is actually available for treatment under this village MRW Lynaud as indicated in the project proposed under Duud Nucled Sh. Watershed IWMP Project V 2010-11 is correct and true as per findings. We further certify that we do not have any objection to the Project if implemented by Soil & Water Conservation Department and also the Constitution of Watershed Committee and Registration the sume.

dated - Mawhymu.

47.

40.

S Lynd St. British School

45



Speech by Shri H.S. Kharpran AS&WCO during the Awareness Arogramme



Inter-action from the community members



Villagers attending the Awareness Programme



Speech by the Rangbah Shnong of Dangar Village



Speech by Shri H.S. Kharpran AS&WCO in the PRA exercises



Village Social Mapping



Common Property Resources Mapping



Participatory resources Mapping

MATER HARVESTING WORKS





