

**GOVERNMENT OF MEGHALAYA DEPARTMENT  
OF  
SOIL & WATER CONSERVATION WEST GARO HILLS  
DETAILED PROJECT REPORT  
DIBLONGGA INTEGRATED WATERSHED  
MANAGEMENT PROGRAMME  
IWMP – IV 2009 – 2010**



**GAMBEGRE C&RD BLOCK**

**WEST GARO HILLS**

**MEGHALAYA**

## SUMMARY

Name of the State	:	Meghalaya
Name of the District	:	West Garo Hills
Name of the C&RD Block	:	Selsella
Name of the Village	:	i) Dikimpara ii) Jebalgre
Name of the Project	:	IWMP-IV
Total Geographical Area	:	928.20 Ha
Total Treatment Area	:	500 Ha
Total Project Cost	:	75 lakhs
Project Duration	:	5 Years
Project Implementing Agency	:	Soil & Water Conservation Territorial Division, Tura.

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**CHAPTER I**  
**INTRODUCTION AND BACKGROUND**

# CHAPTER I

## INTRODUCTION AND BACKGROUND

### 1.1 Project Background:

The Diblongga (IWMP) Project is located in Gambegre C&RD Block, West Garo Hills District of Meghalaya. Consisting of a single micro-watershed, the project area is drained by the Sanda river and its tributaries flowing in a south to west direction. The total area is 928.20 Ha. with 500 Ha to be treated under the Integrated Watershed Management Programme (IWMP).

The Project area is located at a distance of about 45 km from Tura the District Headquarter . There are two village which are covered under the project. These are-

- i) Dikimpara
- ii) Jebalgre

### 1.2 Micro-watershed Information:

The micro-watershed code is ..... as codified by the North East Space Application Centre (NESAC). The total area of the micro-watershed is 928.20 Ha., with 500 hectares to be treated under the Integrated Watershed Management Programme (IWMP).

### 1.3 Need and Scope for Watershed Development:

The micro-watershed Diblongga falls under the High Priority category as per the prioritization of watersheds by the North East Space Application Centre (NESAC). . The farmers are all marginal and Jhum cultivation is practiced by most of the inhabitants of these villages on the slopes. Even though the area receives ample rainfall during the monsoons, there is acute shortage of water during the dry seasons and the villagers have to travel long distances for fetching water even for domestic use.

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

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

1. NREGS

**CHAPTER II**  
**BASIC INFORMATION OF THE PROJECT AREA**

**CHAPTER II**  
**BASIC INFORMATION OF THE PROJECT AREA**

**2.1 Location:**

The Project area is located at West Garo Hills. It is situated at a distance of about 45 km from Tura the District Headquarter . The geographical location is between 90°03'00" to 90°06'00"E Longitude and 25°22'00"N to 25°25'00"N Latitude. There are two village within the Watershed which are as follows –

- i) Dikimpara
- ii) Jebalgre

**2.2 Physiography:**

The physiography of the micro-watershed is highly undulating. The altitude ranges from a minimum of 70 m to a high of 210 m above mean sea level. About 45% (125.16 Ha) falls under 70-98 m elevation. The watershed shows flat gentle slopes with 47% of the geographical area having <1% slope.

**Table 2.1: Physiographic details**

<b>Elevation (metres)</b>	<b>Slope Range (%)</b>	<b>Order of watershed Sub/Micro-watershed</b>	<b>Major streams</b>	<b>Topography</b>
70 – 210 m	1 – 50%	3 Order of Sanda River Micro W/S	<ul style="list-style-type: none"> <li>i)Gamba Stream</li> <li>ii)Chigitcha k Stream</li> <li>iii)Boldak Stream</li> <li>iv)Agatchi Stream</li> <li>v)Ronggusi Stream</li> <li>vi)Rongsin Stream</li> <li>vii)Pulsangga Stream</li> <li>viii)Songmi Stream</li> <li>ix)Chijongkol Stream</li> </ul>	Flat and gentle slopes

### 2.3 Drainage:

The major stream draining the micro-watershed is the Diblongga which is a 2<sup>th</sup> to 3<sup>th</sup> order stream flowing in a south-west direction. The slopes of the micro-watershed are dissected by numerous small tributaries flowing to the Diblongga.

### 2.4 Soil:

Soil in general is moderately deep with clay to loamy clay in surface structure. They are moderately acidic in nature. The soil depth is deep to moderately deep. Due to uniform slopes and presence of many water courses, no drainage problem exists. The watershed area does not have major erosion problem with 763.40 Ha area facing moderate erosion problem.

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

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

### 2.5 Climate:

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

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

1	2	3	4	5	6	7		8	9	
Sl. No.	Name of State	Name of the Agro-climatic zone	Area (in ha)	Names of the districts	Names of the Projects	Major soil types		Average annual rainfall in mm (preceding 5 years' average)	Major crops	
						a) Type	b) Area (ha)		a) Name	b) Area (ha)
1	Meghalaya	Central Hyperthermic Plateau 50-150 m	500	West Garo Hills	WGH IWMP-IV	Clayey Loamy Clayey	500	3600mm	Paddy	165.4
									Areca nut	60.00
									Cashew	48.40
								<b>Total</b>	<b>273.8</b>	

### 2.5 Agriculture:

The Project village has about 165.40 Ha of land under Permanent cultivation system. Crops are cultivated under rain fed condition and thus offer only single cropping. Thus the village hardly produce market surplus of agricultural crops though market is available. The major crop includes paddy with total production of about 1984.60 quintals per annum. Maize is cultivated in about 30 Ha of agriculture land with total production of 720 Quintals annually.

**Table 2.4: Crop yield and production**

Crops	Area (ha)	Average Yield (Qtl) per ha.	Total Production (Qtl.)
Paddy	165.4	1984.60	-
Areca nut	60.00	-	-
Cashew	48.40	-	-

## **2.6 Natural Vegetation:**

The project area has about 422.40 Ha of degraded forest which comprises 45% of the total geographical area. Various biotic factors i.e. deforestation for Commercial use and horticultural activities have destroyed the rich biodiversity and left scrub vegetation in most of the area. The dominant species in the area includes Albizzia spp, Schima wallichii, Emblica officianalis, Bombax cieba and bamboo spp namely, Dendrocalamus and Melocana baccifera.

## **2.7 Socio-Economic Profile:**

The Socio-economic condition of the people is poor. The per capita holding of agricultural land is 2.76 Ha. The entire population depends upon agriculture and horticulture for sustenance. There are about 99 small farmers with average agricultural land holding 2-4 Ha.

*Demographic Status:* There are total number of 99 households in the village The total population of watershed area is 672.

### Infrastructure facilities :

- 2.1.1 *Roads:* The Project area is about 0.50 km from the main road and is connected by an all weather road.
- 2.1.2 *School:* there are only three numbers of Primary Schools within the Project Area run either by the Mission or by the Government.
- 2.1.3 *Electricity :* .There is no electricity connectivity in both the villages.
- 2.1.4 *Health:* The Project does not have any veterinary dispensary or Primary Health Centre in the village.
- 2.1.5 *Water Supply:* *Dikimpara village has PHE water supply but there is no proper drinking water connectivity at Jebalgre village and thus need to depends on springs available in the area to meet the daily requirement. About 30 households do not have access to drinking water system and depend on natural streams.*
- 2.1.6 *Market :* There is no any market under this project area

**Table 2.5: Infrastructure Status.**

1	2	3		4			
Name of District	Name of Project	Parameters:		Status			
WGH	WGH- IWMP- IV	(i)	Whether connected to the main road by an all weather road	YES			
		(ii)	No. of households without electricity	Jebalgre(40)/Dikimpara(59)			
		(iii)	No. of households without access to drinking water	30			
		(iv)	No. of educational institutions: Primary (P)/ Secondary (S)/ Higher Secondary (HS)/ Vocational institution (VI)	(P)	(S)	(HS)	(VI)
				3	NIL	NIL	NIL
		(v)	Distance of project village from nearest Primary Health Centre	Purakhasia 16 Km			
		(vi)	Distance of project village from nearest Veterinary Dispensary	16 Km			
		(vii)	Distance of project village from nearest Post Office	4 Km			
		(viii)	Distance of project village from nearest Banks	20 Km			
		(ix)	Distance of project village from nearest Markets/ mandis	Chengapara 4 km			
		(x)	Distance of project village from nearest Agro-Industries	NIL			
		(xi)	Total quantity of surplus milk	NIL			
		(xii)	No. of milk collection centres (e.g. Union (U)/ Society (S)/ Private agency (PA)/ Others (O))	(U)	(S)	(PA)	(O)
				NIL	NIL	1	NIL
		(xiii)	No. of villages with access to Aganwadi Centres	1			
		(xiv)	No. of worship place	2			
(xv)	No. of Community Hall	NIL					
(xvi)	No. of water tanks/Ringwell/Spring chamber	2					

## 2.8 Livestock:

There are only 7 kinds of livestock farming being farmed in the area viz. Piggery, Poultry, Cattle and Goatery .

**Table 2.6: Existing livestock population**

Type of Animal	Population
Piggery	81140
Poultry	707927
Goatery	120311
Cattle	220562
Buffaloes	8223
Horse & Ponies	18
Sheep	6228
<b>Total</b>	<b>1,144,409</b>

## 2.9 Land ownership:

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

**Table 2.7: Land Holding:**

1 Name of District	2 Name of the Project	3 Types of Farmer	4 No. of households	5 No. of BPL households	6 Land holding (ha)		
					Irrigated	Rainfed	Total
West Garo Hills	IWMP-IV	(i) Large(>5 Ha)	-	-	-	-	-
		(ii) Small(1-5 Ha)	-	-	-	-	-
		(iii) Marginal(<1 Ha)	99	-	-	273.6	273.6
		(iv) Landless	-	-	-	-	-
		Sub – Total	99	-	-	-	273.6

**Table 2.5: Common Property Resources in the Project Area**

1	2	3	4				5			
Name of District	Name of the Projects	CPR Particulars	Total Area (ha) Area owned/ In possession of				Area available for treatment (ha)			
			Pvt. Person	Govt. (specify deptt.)	PRI	Any other (Community)	Pvt. Person	Govt. (specify deptt.)	PRI	Any other (Community)
West Garo Hills	WGH IWMP-IV	(i) Wasteland/ degraded land	-	-	-	232.2		-	-	270.00
		(ii) Pastures	-	-	-	-		-	-	
		(iii) Orchards	108.2	-	-	-	40	-	-	
		(iv) Village woodlot	-	-	-	-		-	-	
		(v) Forest	-	-	-	422.4		-	-	100
		(vi) Village Ponds/ Tanks	-	-	-	-		-	-	
		(vii) Community Buildings	-	-	-	-		-	-	
		(viii) Weekly Markets	-	-	-	-		-	-	
		(ix) Permanent Markets	-	-	-	-		-	-	
		(x) Temples/ Places of worship	-	-	-	2		-	-	
		(xi) Jhum Cultivation		-	-	-		-	-	
		(xii) Permanent Cultivation	165.4	-	-	-	90	-	-	
		(xiii) Habitation including streams	-	-	-	-	-	-	-	
	<b>Total</b>		<b>273.60</b>	-	-	<b>654.60</b>	<b>130</b>	-	-	<b>370</b>

**2.9 Land use and land cover : As per the map .**

## **2.10 Problems of the Area :**

The primary problems of the area is jhumming. Majority of the population depends on Jhum Cultivation for their livelihood. Vast tracks of abandoned Jhum areas which has further degraded the capability of the land. Moreover, unscientific method of cultivation has not only reduced the Jhum cycle and crop yield but had adversely affected the ecological balance within the area. Road communication is another infrastructural problems that the area is facing where large volume crops like pineapple, jackfruits etc do not find their way into the market which has resulted in poor socio-economic status of the people. However, to control or to overcome the said problems an innovative approach has been formulated and documented in the Action Plan or the Treatment Plan the Detailed Project Report. The method of identification of the problems is through the Participatory Rural Appraisal Exercises 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) Base Line Survey: To establish a benchmark for assessing the impact of any intervention (pre-project & post project) a baseline survey is essential. The baseline survey included household census & socio-economic survey by using structured and semi –structured questionnaires, bio-physical survey to identify and assess the status of natural resources in the project area.
- ii) Participatory Rural Appraisal: To further obtain information on the project area, the people, resources, various PRA techniques like resource mapping, social mapping, seasonal calendars, matrix ranking, Venn diagrams were used.
- iii) GIS & Remote Sensing: To facilitate the process of prioritization and planning Geographic Information System was use. The land use and land cover (LULC) maps were prepared by the North Eastern Space Application Centre (NESAC) using the LISS III images (2006). The activities were located on the field by using GPS and accordingly transferred to the maps on GIS platform.

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

1	2	2
Sl.No.	Scientific criteria/ inputs used	No. of projects in which scientific criteria were used
<b>A.</b>	<b>Planning</b>	
	Cluster approach	3
	Whether technical back-stopping for the project has been arranged? If yes, mention the name of the Institute.	YES i)NESAC,Nongsder ii)SNLA,GIS lab,Shillong
	Baseline survey	YES
	Hydro-geological survey	GIS survey/engineering Survey
	Contour mapping	Toposheet(1:50000)
	Participatory Net Planning (PNP)	PRA exercise

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 <sup>#</sup>	NO
	Integrated coupled analyzer/ near infrared visible spectroscopy/ medium spectroscopy for high speed soil nutrient analysis	NO
	Normalized difference vegetation index (NDVI) <sup>#</sup>	YES
	Weather Stations	NO
<b>B.</b>	<b>Inputs</b>	
	1. Bio-pesticides	NO
	2. Organic manures	YES
	3. Vermi-compost	NO
	4. Bio-fertilizer	YES
	5. Water saving devices	YES
	6. Mechanized tools/ implements	NO
	7. Bio-fencing	YES
	8. Nutrient budgeting	YES
	9. Automatic water level recorders & sediment samplers	NO
	Any other (please specify)	

### 3.2 Project Implementing Agency:

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

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

### 3.3 Institution Building

**i) Watershed Committee (WC)**

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

**Table 3.2: Details of Watershed Committees (WC):**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
Names of the Districts	Names of projects	Names of WCs	Date of Registration as a Society (dd/mm/yyyy)	Designation	M/F	SC	ST	SF	MF	LF	Land-less	UG	SHG	GP	Any other	Educational qualification	Function/s assigned#		
W.G.H	W.G.H-IWMP-IV	Diblongga	Under progress	President	M		ST									Class XII	A to I		
				Secretary	M		ST										P.U (Arts)	A to I	
				Member	5 M													Class V-IX	A to I
				Member	5 F														
				Member															

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



### iii) User Group

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

**Table 3.4: User Group Details**

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

**CHAPTER IV**  
**PROJECT ACTIVITIES**

## CHAPTER IV PROJECT ACTIVITIES

### 4.1 Preparatory Phase:

#### i) Entry Point Activities (EPA)

(Financial – Rs. in lakh)

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

ii) Other activities of Preparatory Phase:

1	2	3	4	5	6	7	8	9	10	11	12	13
District	Name of Projects	Initiation of village level institution	Capacity building	IEC activities	Baseline survey	Hydro-geological survey	Identifying technical support agencies	Resource agreements	Preparation of DPR	Evaluation of DPR	Any other (please specify)	Cost incurred (Rs. In lakh)
W.G.H	W.G.H IWMP-IV	a) Rapport Building b) Community meeting c)Formation of	a) Project concept/roles and responsibility of W.C b) Concept/roles and responsibility of SHG and UG c) Concept/roles and responsibility of of WDT members d) Off-campus exposure trip to research Institutes/Established farms etc.	a)Pamplets b)Banners c)Posters	a)Participatory Rural Appraisals b)Socio Economic Survey	a)GPS survey b)Engineering Survey	a) NIRD b)SIRD c)ICAR d)NEHU	a) NOC with village headman for under-taking developmental works reserves. b) Agreement for convergence of NREGS scheme with IWMP with VEC.	a)Resource inventory works	Done		1.5







#### 4.2.3 Activities executed by User Groups in the Project Areas.

2		3						
Names of Districts	Names of Projects	Major activities of the UGs –Targets				No. of UGs involved	Estimated Cost	Amount of WDF to be collected (Rs.)
		Structure/ activity proposed						
		Sl. No.	Type	No.#	Treatment (ha)			
W.G.H	W.G.H IWMP-IV	1.	C.C Check-cum irrigation dam	1 Nos	86 Ha	2	1.00	0.05
		2	Stone masonry Protection Wall	2Nos	39 Ha	2	1.00	0.05
		3	Earthen Irrigation Channel	1480 rmt	24 Ha	1	0.74	0.037
			<b>Total</b>		<b>149 Ha</b>	<b>5</b>	<b>2.74</b>	<b>0.137</b>

#### 4.2.4 Activities executed by User Groups in the Project Areas:

4									
Major activities of the UGs – Achievements									
Structure/ activity				No. of UGs involved	Expenditure incurred (Rs.)	No. of mandays			Amount of WDF collected (Rs.)
Sl. No.	Type	No.#	Treated Area (ha.)			SC	ST	F	
1.	C.C Check-cum irrigation dam	1 Nos	86 Ha	2	1.00		240	160	0.05
2	Stone masonry Protection Wall	2Nos	39 Ha	2	1.00		240	160	0.05
3	Earthen Irrigation Channel	1480 rmt	24 Ha	1	0.74		444	296	0.037
	<b>Total</b>		<b>149 Ha</b>	<b>5</b>	<b>2.74</b>		<b>924</b>	<b>616</b>	<b>0.71</b>



#### 4.2.7 Other activities of watershed works phase:

1	2	3		4		5		6		7		8		9		10		11		12		13
District	Names of projects	Ridge area treatment		Drainage line treatment		Nursery raising		Land development		Crop demonstrations		Horticulture & Cash Crop Development		Veterinary services		Fishery development		Non-conventional energy		Any other (please specify)		Total cost incurred (Rs. In lakhs)
		(a)	(b) (Rs)	(a)	(b) (Rs)	(a)	(b) (Rs)	(a)	(b) (Rs)	(a)	(b)	(a)	(b) (Rs)	(a)	(b) (Rs)	(a)	(b)	(a)	(b)			
W G H	W.G.H IWMP- IV	i)Improvement of degraded forest(40 Ha)	1.44	i)check dam.	1.00			i)Wet Terrace(40Ha)	6.00	-	-	i)Rubber plantation(100 Ha)	15.00	i)piggery	2.80	Supply of fingerlings (40unit)	0.40	-	-	i)Kitchen Garden (36 unit)	5.4	
				ii)protection wall.	1.00							ii)Areanut plantation (30 Ha)	3.42	ii)poltry	1.75				ii)Tailoring(11 unit)	0.88		
				iii)farm pond.	4.00														iii)Weaving(6 unit)	0.72		
				iv)dug out pond.	7.6														iv)Carpentry(10 unit)	0.5		
				v)Channel.	0.74																	
				vi)Earthen embankment	2.10																	
	<b>Total</b>		<b>1.44</b>		<b>16.44</b>				<b>6.00</b>				<b>18.42</b>		<b>4.55</b>		<b>0.40</b>				<b>7.5</b>	<b>54.75</b>





## 2.10 Details of activities connected with vegetative cover in watershed works:

1	2	3	4			5			6	7				8				
District	Project	Name of structure/work	Type of treatment			Type of land			Executing agency	Target				Achievement				
			(i) Ridge area (R)	(ii) Drainage line (D)	(iii) Land dev. (L)	(i) Private	(ii) Community	(iii) Others (pl. specify)	(i) UG (ii) SHG (iii) Others (pl. specify)	Area (ha)	No. of plants	Estimated cost (Rs. in lakh)	Expected month & year of completion (mm/yyyy)	Area (ha)	No. of plants	Expenditure incurred (Rs. in lakh)	Actual month & year of completion (mm/yyyy)	
WG H	IW MP -IV	Improvement of degraded	R		C				WC	40 Ha	1000	1.44	31/3/2013					
		Rubber Plantation	R			P			Farmers	100 Ha	45,000	15.0	31/3/2013					
		Arecanut		D		P			Farmers	30 Ha	36,000	3.42	31/3/2013					

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

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

9															
Outcomes															
Name of activities	Reduction in runoff (cu.m)	Production (quintal)		Income (Rs.)		Mandays generated					No. of beneficiaries				
		Pre-project	Post project	Pre-project	Post project	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total
Improvement of degraded	NA	0					346		230	576		0		0	0
Rubber Plantation	NA	0	300	0	3000000		3600		2400	6000		0		0	0
Arecanut	NA	1623	2073	1298400	1658400		821		547	1368		0		0	0
<b>Total</b>		<b>1623</b>	<b>2373</b>	<b>1298400</b>	<b>4658400</b>		<b>4767</b>		<b>3177</b>	<b>7944</b>		<b>0</b>		<b>0</b>	<b>0</b>

#### 4.2.12 Details of allied / other activities:

1	2	3	4			5	6		7		
District	Project	Name of activity@	Type of land			Executing agency  (i) UG (ii)SHG (iii) Others (pl. specify)	Target		Achievement		
			(i) Private	(ii) Community	(iii) Others (landless)		Estimated cost (Rs. in lakh)	Expected month & year of completion (mm/yyyy)	Expendi-ture incurred (Rs. in lakh)	Actual month & year of completion (mm/yyyy)	
West Garo Hills	W.G.H IWMP-IV	Kitchen gardening	√		Individual	Private	5.40	31/3/2012			
		Piggery			SHG	SHG/UG	2.80	31/3/2012			
		Poultry			SHG	SHG/UG	1.75	31/3/2012			
		Tailoring			SHG	SHG/UG	0.88	31/3/2012			
		Carpentry	√				0.5	31/3/2012			
		Fingerlings	√			Private	0.40	31/3/2012			
		Weaving				Private	0.72	31/3/2012			
		Dug out pond	√		Individual	Private	4.80	31/3/2012			
		<b>Total</b>					<b>17.25</b>				

(Contd.)\* from column no. 2, no. of States; from column no. 3, no. of Districts; from column no. 4, total no. of Projects; from column no. 5, activity-wise totals, from column no. 6, type-wise totals, from column no. 7, agency-wise totals, from column no. 8, total estimated cost, from column no. 9, total expenditure incurred, structure-wise no. of completed works, from column no. 10, item-wise totals, for the entire country may be indicated at the end of the table

@The activities given in this column are merely indicative and States are free to choose any other activity suited to the project area.

#### 4.2.13 Details of allied / other activities:

8												
Outcomes												
Name of activities	Income (Rs.)		Mandays generated					No. of beneficiaries				
	Pre-project	Post project	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total
Kitchen gardening	5000-6000	20,000-25,000		129 6		864	2142		36	NIL		36
Piggery	1,000-2,000	20,000-30,000		672		448	1120			NIL	20	20
Poultry	2,000-3,000	15,000-20,000		420		280	700			NIL	20	20
Tailoring	NIL	20,000-30,000		211		141	352			NIL	10	10
Carpentry	NIL	10,000-15,000		NIL		NIL	0		10	NIL		10
Fingerlings	NIL	50,000-80,000		NIL		NIL	0		5			5
Weaving	NIL	20,000-30,000		173		115	288				5	5
<b>Total</b>				<b>277 2</b>		<b>1848</b>	<b>4620</b>		<b>51</b>		<b>55</b>	<b>106</b>



**CHAPTER V**  
**PROJECT PHASING & BUDGETING**



<b>C</b>	<b>Institution &amp; Capacity Building : - 5%</b>	<b>1%</b>		<b>2%</b>		<b>1%</b>		<b>1%</b>				<b>5%</b>	
i	Awareness Campaign & Capacity building of farmer	1	0.20	1	0.20	1	0.20	1	0.35			4	0.80
ii	Exposure visits - Off Campus			1	0.30			1	0.20			2	0.65
iii	Capacity building of SHG's/UG's.	1	0.20	3	0.60	1	0.20	1	0.20			6	1.20
iv	Capacity building of WC Members.	1	0.35	1	0.20	1	0.35					3	0.90
v	Capacity building of WDT/WV			1	0.20							1	0.20
	<b>Total of C:</b>		<b>0.75</b>		<b>1.50</b>		<b>0.75</b>		<b>0.75</b>				<b>3.75</b>
<b>D</b>	<b>Detailed Project Report: 1%</b>		1%										
i	Cost of Resources Inventories works		0.25										0.25
ii	Cost of PRA Exercises		0.10										0.10
iii	Cost of Land use Survey works		0.25										0.25
iv	Cost of formulating		0.15										0.15
	<b>Total of D:</b>		<b>0.75</b>										<b>0.75</b>
<b>E</b>	<b>Monitoring &amp; Evaluatio: 2%</b>												
i	Cost of Monitoring			0.2%	0.15	0.5%	0.375	0.3%	0.225			1%	0.75
ii	Cost of Evaluation			0.3%	0.225	0.5%	0.375	0.2%	0.15			1%	0.75
	<b>Total of E:</b>				<b>0.375</b>		<b>5.25</b>		<b>0.375</b>				<b>1.50</b>
	<b>TOTAL OF I (A - E)</b>		<b>4.50</b>		<b>3.375</b>		<b>5.25</b>		<b>3.375</b>				<b>16.50</b>
<b>II</b>	<b>PROJECT COST WATERSHED WORKS PHASE: 50%</b>												
<b>A</b>	<b>Arable Land Treatment:</b>												
i	Wet terrace@15000/-40 Ha			3.5	0.525	30	4.50	6.5	0.975			40	6.00
ii	Rubber plantation (100 ha) pre-work@6,000/ha					90	5.40	10	0.60			100	6.000
	1st yr. planting @Rs.9,000/ha						8.1		0.9				9.000
iii	Arecanut plantation(50 Ha) pre-works @Rs.4,200/ ha					20	0.84	10	0.42			30	1.260
	1st yr. planting@ 7,200/ha						1.44		0.72				2.16
	<b>TOTAL OF - A</b>				<b>0.525</b>		<b>20.28</b>		<b>3.62</b>				<b>24.420</b>
<b>B</b>	<b>Non-Arable Land treatment:</b>												
	Improvement of degraded forest @3600/40 ha					20	0.72	20	0.72			40	1.44
	<b>Total of B:</b>						<b>0.72</b>		<b>0.72</b>				<b>1.44</b>

1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>C</b>	<b>Drainage Line Treatment:</b>												
i	C.C.Check-Cum-Irrigation dam @1,00,000/ each -86 Ha			1	1.00							1	1.00
ii	Stone masonry protection wall @50,000/each - 39 ha			1	0.50	1	0.5					2	1.00
iii	Dug-out pond @40,000/-each -20ha			4	1.6	2	0.8	1	0.4			7	2.80
iv	Water harvesting farm pond @1,00,000/- each -81 ha			2	2.00	2	2.00					4	4.00
v	Earthen irrigation channel @Rs. 50 /- Rm. 24 ha					1100	0.55	380	0.19			1480	0.74
Vi	Earthen <a href="#">embankment@Rs.700/-per</a> rmt-40					200	1.40	100	0.70			300	2.10
	<b>TOTAL-C</b>				<b>5.10</b>		<b>5.2500</b>		<b>1.29</b>				<b>11.64</b>
	<b>TOTAL OF A+B+C</b>			<b>7.5%</b>	<b>5.625</b>	<b>35%</b>	<b>26.25</b>	<b>7.5%</b>	<b>5.625</b>			<b>5%</b>	
<b>D</b>	<b>Livelihood Activities for landless person: 10%</b>												
i	Kitchen garden @15000/unit			5	0.75	12	1.8	19	2.85			36	5.40
ii	Tailoring @Rs.8000/-per unit					5	0.4	6	0.48			11	0.88
iii	Carpentry@Rs.5000/-per unit					1	0.05	9	0.45			10	0.50
iv	<a href="#">Weaving@Rs.12000/-per</a> unit							6	0.72			6	0.72
	<b>Total of D:</b>			<b>1%</b>	<b>0.75</b>	<b>3%</b>	<b>2.25</b>	<b>6%</b>	<b>4.50</b>			<b>10%</b>	<b>7.50</b>
<b>E</b>	<b>Production system and Micro Enterprises (SHG's) - 13%</b>												
i	Piggery unit @Rs.40,000 /- per unit			1	0.4	2	0.80	4	1.6			7	2.80
ii	Poultry unit @Rs.35,000 /- per unit			1	0.35	1	0.35	3	1.05			5	1.75
iii	Dug-out pond @40,000/-each					6	2.4	6	2.4			12	4.80
iv	Supply of fingerlings @Rs.1000/-per unit					20	0.2	20	0.2			40	0.40
	<b>Total of E:</b>			<b>1%</b>	<b>0.75</b>	<b>5%</b>	<b>3.75</b>	<b>7%</b>	<b>5.25</b>			<b>13%</b>	<b>9.75</b>

1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>F</b>	<b>Consolidation &amp; Exit Phase:</b>												
i	Repairing maintainance of CPR's										1.75		1.75
ii	Improving the sustainability of various intervention										1.00		1.00
iii	Documentation of successful experience and preparation of complation report										1.00		1.00
	<b>Total of F:</b>										<b>3.75</b>		<b>3.75</b>
	Total of II (A+B+C+D+E+F)				7.125		32.25		15.375		3.75		58.500
	<b>Grand Total (I+II)</b>	<b>6%</b>	<b>4.50</b>	<b>14%</b>	<b>10.50</b>	<b>50%</b>	<b>37.50</b>	<b>25%</b>	<b>18.75</b>	<b>5%</b>	<b>3.75</b>	<b>100%</b>	<b>75.00</b>

**VILLAGEWISE ACTION PLAN OF DIBLONGGA MICRO WATERSHED UNDER IWMP – II**  
**TERRITORIAL DIVISION : TURA .**

Name of District : West Garo Hills  
Name of C.& R.D. Block : Gambegre

No. of village : 2 nos.  
Project Area : 250.00 Ha.

Sl. No.	Activities	Dikimpara		Jebalgre		Total	
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	2	3	4	5	6	7	8
<b>I</b>	<b><u>Watershed works Phase :</u></b>						
<b>A.</b>	<b><u>Arable Land Treatment :</u></b>						
	i) Rubber Plantation @ Rs. 15000/- per Ha.	50	7.5	50	7.5	100	15.0
	ii) Arecanut Plantation @ Rs.11400/-per Ha	15	1.71	15	1.71	30	3.42
	ii) Terracing @ Rs.15000/- per Ha.	20	3.0	20	3.0	40	6.00
<b>B.</b>	<b><u>Non-arable Land Treatment :</u></b>						
	i) Improvrmnt of Degraded Forest @ Rs. 3600/-	20	0.72	20	0.72	40	1.44
<b>C.</b>	<b><u>Drainage Line Treatment :</u></b>						
	i) Check Dam cum Irrigation Dam @ 100,000/-	1	1.00	0	0	1	1.00
	ii) W/H Farm Pond @ Rs. 100,000/- per no.	2	2.00	2	2.00	4	4.00
	iii) Dug out Pond @ Rs. 40000/- per no.	4	1.60	3	1.20	7	2.80
	iv) Protection Wall @ Rs. 50000/- per no.	1	0.50	1	0.50	2	1.00
	v) Earthen Irrigation Channel @ 50/- per R/ m	800	0.40	680	0.34	1480	0.74
	vi) Earthen Embankment @ Rs.700/-per rmt						
<b>III</b>	<b><u>Livelihood Activities for Assetless Household :</u></b>						
	i) Kitchen Garden @ 15000/-	20	3.00	16	2.40	216	5.40
	ii) Tailoring @ Rs. 8000/-per unit	6	0.48	5	0.40	11	0.88
	iii) Weaving @ Rs. 12000/-per unit	3	0.36	3	0.36	6	0.72
	iv) <u>Carpentry @ Rs.5000/-per</u> unit	5	0.25	5	0.25	10	0.50
<b>IV</b>	<b><u>Production System and Micro Enterprises :</u></b>						
	i) Piggery @ Rs. 40000/-per unit	4	1.60	3	1.20	7	2.80
	ii) Poultry @ Rs 35000/-per unit	3	1.05	2	0.70	5	1.75
	iii) Supply of fingerlings @ 1000/- per plant	20	0.20	20	0.20	40	0.40
	ii) Dug out pond @ 40000/-	6	2.40	6	2.40	12	4.80

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

1	2	3	4	5	6		7	8	9	10				11				
					From	To				Cultivated rainfed area	Cultivated irrigated area	Uncultivated wasteland		Agri. Land	Forest land (open)	Community land	Others (pl. specify)	Total area (ha)
S L N o	Name of State	Name of Districts	Names of Projects	Year of sanction	Project duration (dd/mm/yyyy)		Area of the projects	Project cost (Rs. In lakh)	Names of Micro watersheds & Code nos. (as per DoLR's unique codification)			Treated Area (ha) of the projects						
												a) Temporary fallow	b) Permanent	Horti.				
1	Meghalaya	West Garo Hills	W.G.H IWMP -IV	2009	2009	31/3 / 2014	500	7.5	Diblongga	215	0	48.3	236.7	140	100	260	Nil	500



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

1	2	3	4	5				6				
Sl. No.	Names of States	Name of Districts	Names of Projects	Distt. Agency's Project Account details				Watershed Committee (WC) account details:				
				Name of the Bank and Branch where project account has been opened	Account Number (to be obtained confidentially)	Account type (Savings/ Current/ Others)	Name & Designation of authorized persons who operate the account.	Name of Watershed Committee	Name of the Bank and Branch where project account has been opened	Account number (to be obtained confidentially)	Account type (Savings/ current others)	Name & Designation of authorized persons who operate the account.
1	Meghalaya	W.G.H	W.G.H IWMP-IV	-	-	-	-	Diblongga Micro Watershed	S.B.I Chandmary	31051170336	Saving	Chairman W.C Secretary W.C Project Leader/WD T

**Public-Private Partnership in the IWMP projects: NIL**

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

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

**CHAPTER VI**  
**CAPACITY BUILDING**

## CHAPTER VI CAPACITY BUILDING

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

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

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

- From Column no. 2, total no. of States implementing the programme, from Column no. 3, no. of training institutes, from column No. 9, total no. of category-wise trainings and trainees may be given at the end of the table for the entire country

- # Central govt. Dept./ State govt. Dept./ Autonomous Body/ Research Institutes/ Universities/ Others (pl. specify)

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

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

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

**Table 6.2: Capacity Building activities for the year 2009 – 10 as on 31/03/2009 (dd/mm/yyyy)\***

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>		<b>7</b>	
<b>Project Stakeholders</b>	<b>Total no. of persons</b>	<b>No. of persons trained so far</b>	<b>No. of persons to be trained during current financial year</b>	<b>No. of persons trained during current financial year</b>	<b>Sources of funding for training</b>		<b>Funds utilized (Lakhs)</b>	
					<b>a) DoLR</b>	<b>b) Any other (Pl. specify)</b>	<b>a) DoLR</b>	<b>b) Any other (Pl. specify)</b>
PIAs	10	NIL	10	NIL	3.75	NIL	2.25	NIL
WDTs	4	NIL	4	NIL				
UGs	40	NIL	40	NIL				
SHGs	80	NIL	50	NIL				
WCs	10	NIL	10	NIL				
GPs	NIL	NIL	NIL	NIL				
Community	99	NIL	99	NIL				
Others (Pl. specify)								
<b>TOTAL</b>	<b>243</b>	<b>0</b>	<b>213</b>	<b>0</b>	<b>3.75</b>	<b>0</b>	<b>2.25</b>	<b>0</b>

**Table 6.3: Information, Education & Communication (IEC) activities for the year 2009-10 as on 31/03/09 (dd/mm/yyyy)\***

	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
	<b>Activity</b>	<b>Executing agency</b>	<b>Estimated expenditure (Rs.)</b>	<b>Expenditure incurred (Rs.)</b>	<b>Outcome (may quantity, wherever possible)</b>
1.	Awareness	S&WC (T) Division	0.25	-	-
2.	Exposure Visits	S&WC (T) Division	0.25	-	-
3.	Capacity Building	S&WC (T) Division	0.15	-	-
		Total	0.65	-	-

**CHAPTER VII**  
**EXPECTED OUTCOME**

## CHAPTER VII EXPECTED OUTCOME

**Table 7.1 Employment related outcomes:**

SI No	Name of Village	1										2				
		Wage employment										Self employment				
		No. of mandays					No. of beneficiaries					No. of beneficiaries				
		SC	ST	Others	Women	Total	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total
1.	Dikimpara		20868	-	14088	34956	-	209	-	141	350	-	66	-	30	96
2.	Jebalgre			-			-		-			-		-		

**Table 7.2 Migration Details:**

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

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

**Table 7.3 Economic benefits accrued to women:**

<b>1</b>		<b>2</b>		<b>3</b>		<b>4</b>
<b>Wages</b>		<b>Training</b>		<b>Livelihoods</b>		<b>Total (Rs. in lakh)</b>
<b>Woman days</b>	<b>Amount (Rs. in lakh)</b>	<b>No. of women participants</b>	<b>Amount (Rs. in lakh)</b>	<b>No. of women beneficiaries</b>	<b>Value of assistance provided (Rs. in lakh)</b>	
14088	9.86	160	1.6	40	6.1	17.5616

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

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

1	2	3	4	5	6	7				8
Names of the Districts	Names of the projects	Names of the villages	Particular of CPR	Nature of right	Period of right	Beneficiary details (no. of families)				User Charges (Rs.)
						SC	St	Others	Total	
Meghalaya	W.G.H IWMP-IV	Dikimpara	Reserved forest	FW/MFP/ T	Unspecified		99		99	NIL
		Jebalgre	Spring Chamber	Wd	Unspecified		35		35	NIL
			Check dam	Wi	Unspecified		40		40	NIL
			Irrigation Channel	Wi	Unspecified		50		50	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                           |
- for any right other than indicated above (please specify)

**Table 7.5 Water related outcomes:**

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

1	2	3	4	5	6	7	8
Names of Districts	Names of Projects	Sources	Pre-Project level	Mid-term project level	Post-Project level	Increase/decrease (Col. 8 – Col. 6)	Remarks
Meghalaya	W.G.H IWMP-IV	Open Well	3	2.80	2.70	.30	Increase
		Bore Well	NA	NA	NA	NA	NA
		Other (specific) Spring	NA	NA	NA	NA	NA

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

**Table 7.5.2 Status of Drinking water:**

<b>1</b>	<b>2</b>	<b>3</b>			<b>4</b>			<b>5</b>
<b>District</b>	<b>Name of the project</b>	<b>Availability of drinking water (no. of months in a year)</b>			<b>Quality of drinking water</b>			<b>Comments</b>
		<b>Pre-project</b>	<b>Post-project</b>	<b>Change in availability</b>	<b>Pre-project</b>	<b>Post-project</b>	<b>Change in quality</b>	
Meghalaya	WGH IWMP-IV	10 months	12 months	2 months	Unsafe	Potable	Improved	Better drinking water supply

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

**Table 7.5.3 Water Use efficiency:**

1	2	3	4			
District	Name of the project	Name of major crop	Water savings in cum.			
			through water saving devices <sup>\$</sup>	through water conserving agronomic practices <sup>#</sup>	Any other (pl specify)	Total
W.G.H	WGH IWMP-IV	Paddy	NA	NA	NA	
		Maize	NA	NA	NA	

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

<sup>\$</sup> Sprinkler, Drip, PVC pipe, etc.

<sup>#</sup> Vermi-compost, organic manuring, Mulching, Check basin, Alternate furrow, Ridges & furrow & other scientific practices.

**Table 7.6: Vegetation/ crop related outcomes:**

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

1	2	3	4						5						6					
Names of the Districts	Name of Projects	Name of crops	Pre-project						Mid-term						Post-project					
			Area (ha)		Average Yield (Qtl) per ha.		Total Production (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)	
			Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.
W.G.H	WGH IWMP-IV	Paddy		165.4		12		1984.8	112	73.4	15	15	1680	1101	132	73.4	15	15	1980	1101
		Maize		30		24		720	0	30		24	0	720	0	33	0	24	0	792
		Vegetable		55		30		150	6	5	36	30	216	150	6	5	36	30	216	150
		<b>Total</b>		<b>200.4</b>		<b>66</b>		<b>2854.8</b>	<b>118</b>	<b>108.4</b>	<b>51</b>	<b>69</b>	<b>1896</b>	<b>1971</b>	<b>138</b>	<b>111.4</b>	<b>51</b>	<b>69</b>	<b>2196</b>	<b>2043</b>

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

Irri. – Irrigated Rf – Rainfed

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

1 Sl No .	2 Names of States	3 Names of the Districts	4 Name of Proje cts	5 Name of crops	6						7						8					
					Pre-project						Mid-term						Post-project					
					Area (ha)		Average Yield (Qtl) per ha.		Total Producti on (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)	
Irr i	Rf.	Irri	Rf.	Irri	Rf.	Irri	R f.	Irri	Rf.	Irri	R f.	Irri	R f.	Irri	R f.	Irri	Rf.	Irri	R f.			
	Meghalay a	West Garo Hills	WGH IWM P-IV	Paddy	-	-	-	-	-	-	112	-	15	-	1680	-	132	-	15	-	1980	-
				Vegetabl es	-	-	-	-	-	-	6	-	36	-	216	-	6	-	36	-	216	-
				<b>Total</b>	-	-	-	-	-	-	<b>118</b>	-	<b>51</b>	-	<b>1896</b>	-	<b>138</b>	-	<b>51</b>	-	<b>2196</b>	

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

Irri. – Irrigated Rf – Rainfed

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

1	2	3	4	5	6						7						8								
					Pre-project						Mid-term						Post-project								
					Area (ha)		Average Yield (Qtl) per ha.		Total Production (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)				
					Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.			
	Meghalaya	West Garo Hills	WGH IWMP-IV		nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil			
					nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	
					nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
				Total	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil

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

Irri. – Irrigated Rf – Rainfed

**Table 7.6.4 Increase/ Decrease in area under fodder:**

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

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

**Table 7.6.5 Increase/ Decrease in Forest/vegetation cover:**

1	2	3	4			5		
District	Name of project	Duration of Project	Existing area tree cover (ha)			Achievement (ha)		
			Source/Name of report	Year of reference	Area already under forest/vegetative cover	Forest/vegetative cover area proposed to be covered under IWMP	Forest/vegetative cover area actually covered under IWMP	Change in forest/vegetative cover area
W.G.H	W.G.H IWMP-IV	5 yrs	Land use survey conducted by the Department	2009	422.40	462.4	462.4	40

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

**Table 7.6.6 Increase/ Decrease in area under horticulture:**

1	2	3	4			5		
District	Name of project	Duration of Project	Existing area under horticulture (ha)			Achievement (ha)		
			Source/Name of report	Year of reference	Area already under horticulture	Area under horticulture proposed to be covered through IWMP	Area under horticulture actually covered through IWMP	Change in area under horticulture
W.G.H	W.G.H IWMP-IV	5 yrs	Land use survey conducted by the Department	2009	108.2	238.2	238.2	130

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

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

1	2	3	4			5		
District	Name of project	Duration of Project	Existing area under fodder (ha)			Achievement (ha)		
			Source/Name of report	Year of reference	Area already under fuel-wood	Area under fuel-wood proposed to be covered under IWMP	Area under fuel-wood actually covered under IWMP	Change in area under fuel-wood
W.G.H	W.G.H IWMP-IV	5 yrs	NIL	NIL	NIL	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 7.7 Livelihood related outcomes:**

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

1	2	3	4			5			6			7
Names of the Districts	Name of Projects	Type of Animal	Pre-project			Mid-term			Post-project			Remarks
			No.	Yield	Income	No.	Yield	Income	No.	Yield	Income	
West Garo Hills	W.G.H IWMP-IV	Cattle	300		24	300		24	-	-	-	Use for ploughing & local consumption self production earning.
		Piggery	40		2.8	45		3.60	60		4.80	
		Poultry	1221		3.05	1321		3.96	1500		4.50	
		Goatery	107		1.60	107		1.60	-	-	-	
	<b>Total for all projects</b>		<b>1668</b>		<b>31.45</b>	<b>1773</b>		<b>33.16</b>	<b>1560</b>	<b>-</b>	<b>9.30</b>	

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

**Table 7.7.2 Details of other livelihoods created for landless people:**

1	2	3	4	5				6	7					8				
District	Project	Name of activity	Fund required for the activity (Rs.)	Sources of funding (Rs.)				Actual Expenditure incurred on activity (Rs.)	No. of beneficiaries trained					No. of beneficiaries taking up activity				
				Project Fund	Beneficiary	Others (pl. specify)	Total		SC	ST	Others	Women	Total	SC	ST	Others	Women	Total
		Tailoring	-	0.88	-	-	0.88	-	-	-	-	20	20	-	-	-	20	20
		Weaving	-	0.72	-	-	0.72	-	-	26	-	-	26	-	26	-	-	26
		Carpentry	-	0.5	-	-	0.5	-	-	10	-	-	10	-	10	-	-	10

(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 7.7.4 Details of other livelihoods created for farmers:**

1	2	3	4	5				6	7				8						
District	Project	Name of activity	Fund required for the activity (Rs.) in lakhs	Sources of funding (Rs.) in Lakhs				Actual Expenditure incurred on activity (Rs.)	No. of farmers trained				No. of farmers taking up activity						
				Project Fund	Benefi-ciary	Others (pl. specify)	Total		SF	MF	LF	Total	SF	MF	LF	Total			
West Garo Hills	WGH IWMP-IV																		
							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 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 7.8 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.)	
WGH	IWMP-IV	<b>(A) Backward linkages</b>		-	-	
		(i) Seed certification	Nil	-	-	
		(ii) Seed supply system	Nil	-	-	
		(iii) Fertilizer supply system	Nil	-	-	
		(iv) Pesticide supply system	Nil	-	-	
		(v) Credit institutions	1	5	5	
		(vi) Water supply	1	5	5	
		(vii) Extension services	Nil	-	-	
		(viii) Nurseries	Nil	-	-	
		(ix) Tools/machinery suppliers	Nil	-	-	
		(x) Price Support system	Nil	-	-	
		(xi) Labour	Nil	-	-	
		(xii) Any other (please specify)	Nil	-	-	
		<b>(A) Forward linkages</b>				
		(i) Harvesting/threshing machinery	Nil	-	-	
		(ii) Storage (including cold storage)	Nil	-	-	
		(iii) Road network	1	1	1	
		(iv) Transport facilities	Nil	-	-	
		(v) Markets / Mandis	Nil	-	-	
		(vi) Agro and other Industries	Nil	4	4	
		(vii) Milk and other collection centres	Nil	-	-	
		(viii) Labour	Nil	-	-	
		(ix) Any other (please specify)	Nil	-	-	

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

**Table 7.9 Abstract of outcomes:**

1	2	3	4	5	6	7
Sl. No.	State	Item	Unit	Pre-project Status	Post-project Status	Remarks
	Meghalaya	Status of water table		Lack of management	Improved	
		Ground water structures repaired/ rejuvenated	Nil	Nil	Nil	
		Quality of drinking water	5 nos	Unsafe	Better quality	
		Availability of drinking water		10 months in a year	12 months availability	
		Increase in irrigation potential	11 nos	100% rainfed		
		Change in cropping/ land use pattern		Single cropping	Double cropping	
		Area under agricultural crop				
		i Area under single crop	Ha	165.40	73.40	
		ii Area under double crop	Ha	Nil	132.00	
		iii Area under multiple crop				
		Net increase in crop production area		165.40	205.40	24% increase in cropping area
		Increase in area under vegetation	Ha	422.40	522.40	23% increase in vegetative cover
		Increase in area under horticulture	Ha	108.2	238.2	120% increase in horticulture and cash crop plantation
		Increase in area under fuel & fodder	Ha	422.40	522.40	23% increase in vegetative cover
		Increase in milk production		NA	NA	
		No. of SHGs	No.	1	8	
		Increase in no. of livelihoods	Activities	a) Agriculture b) Horticulture	a) Agriculture b) Horticulture c) Farm Pond d) Rubber Plantation e) Piggery Poultry	
		Increase in income	Rs.	200000-300000	500000-600000	
		Migration	Nos	Nil	Nil	
		No. of school going children	Nos.			
		SHG Federations formed	Nos	Nil	1	
		Credit linkage with banks	Nos	Nil	8	
		Resource use agreements	Nos			
	WDF collection & management		None	a) Total WDF to be collected=Rs.5% b) WC shall formulate guidelines for utilization of WDF		
	Summary of lessons learnt			Nil		

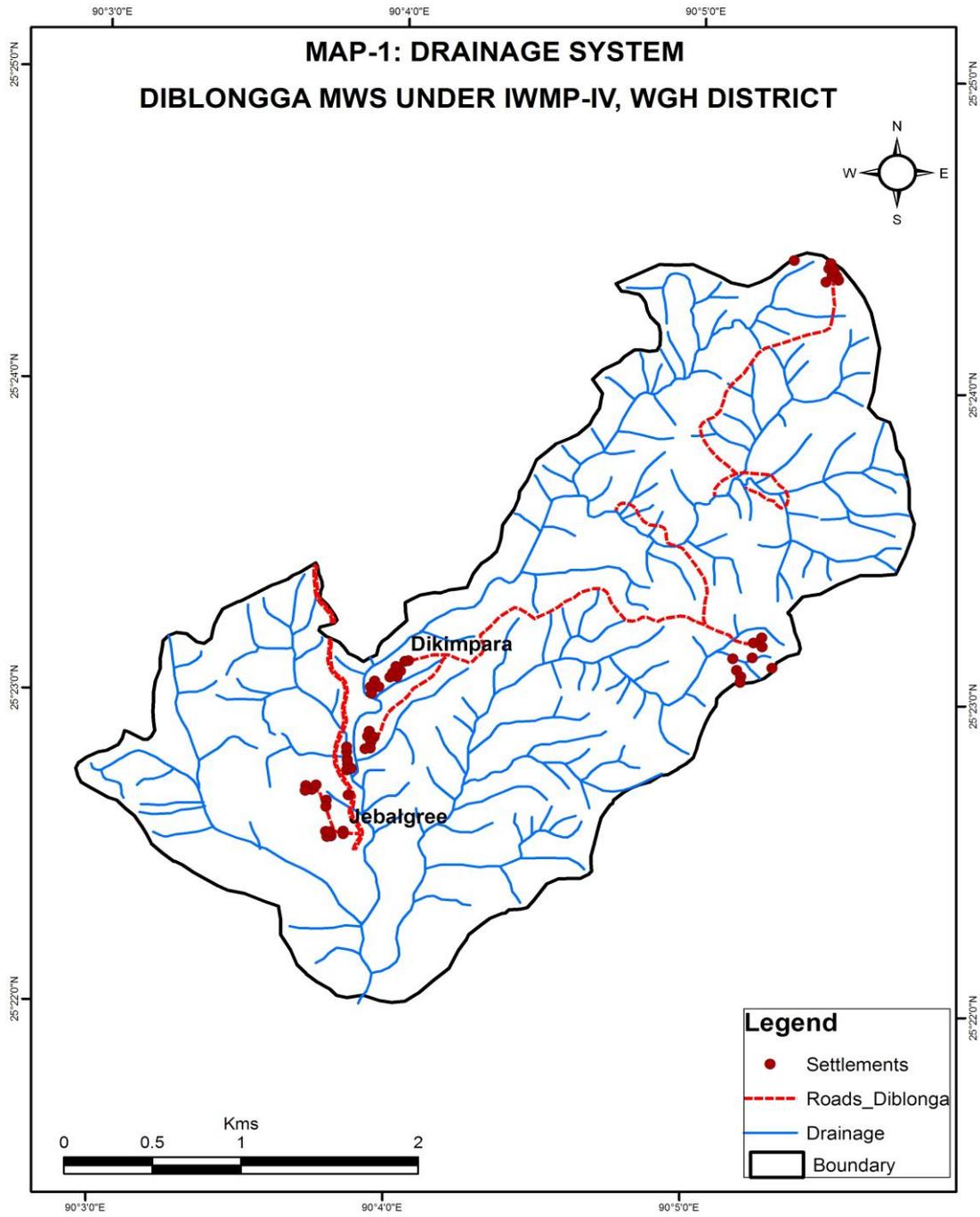
**Table 7.10 Cost effectiveness of structures/ activities\***

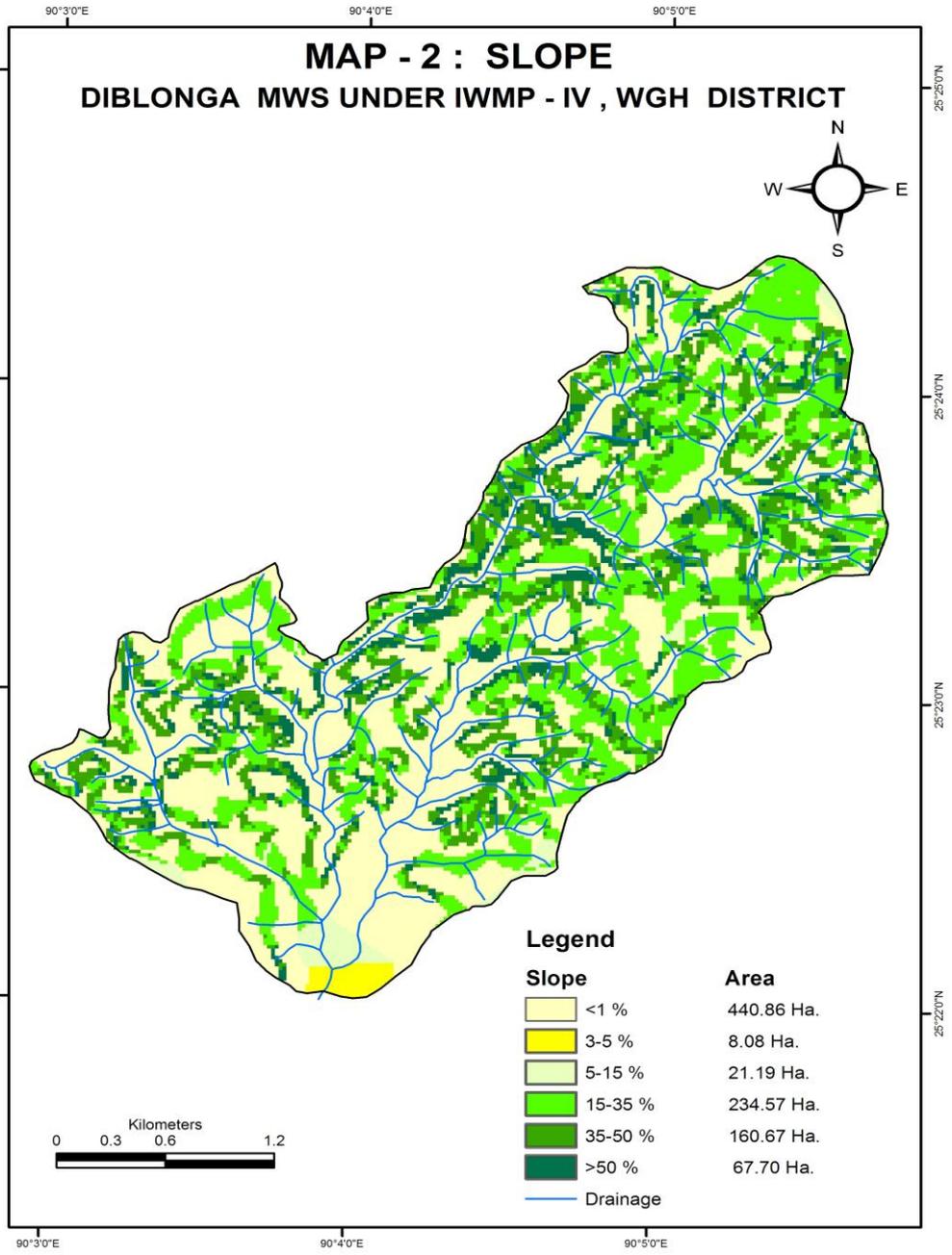
1	2	3	4	5	6	7	8	9
District	Name of project	Name of WC	Name of structure/ activity	Estimated cost (Rs.)	Expected quantifiable benefits (Rs.)	Expenditure incurred (Rs.)	Actual quantifiable benefit (Rs.)	Benefit: Cost ratio <sup>#</sup>
WGH	WGH IWMP_IV	Diblongga	As per action plan	5850000	-	-	-	-

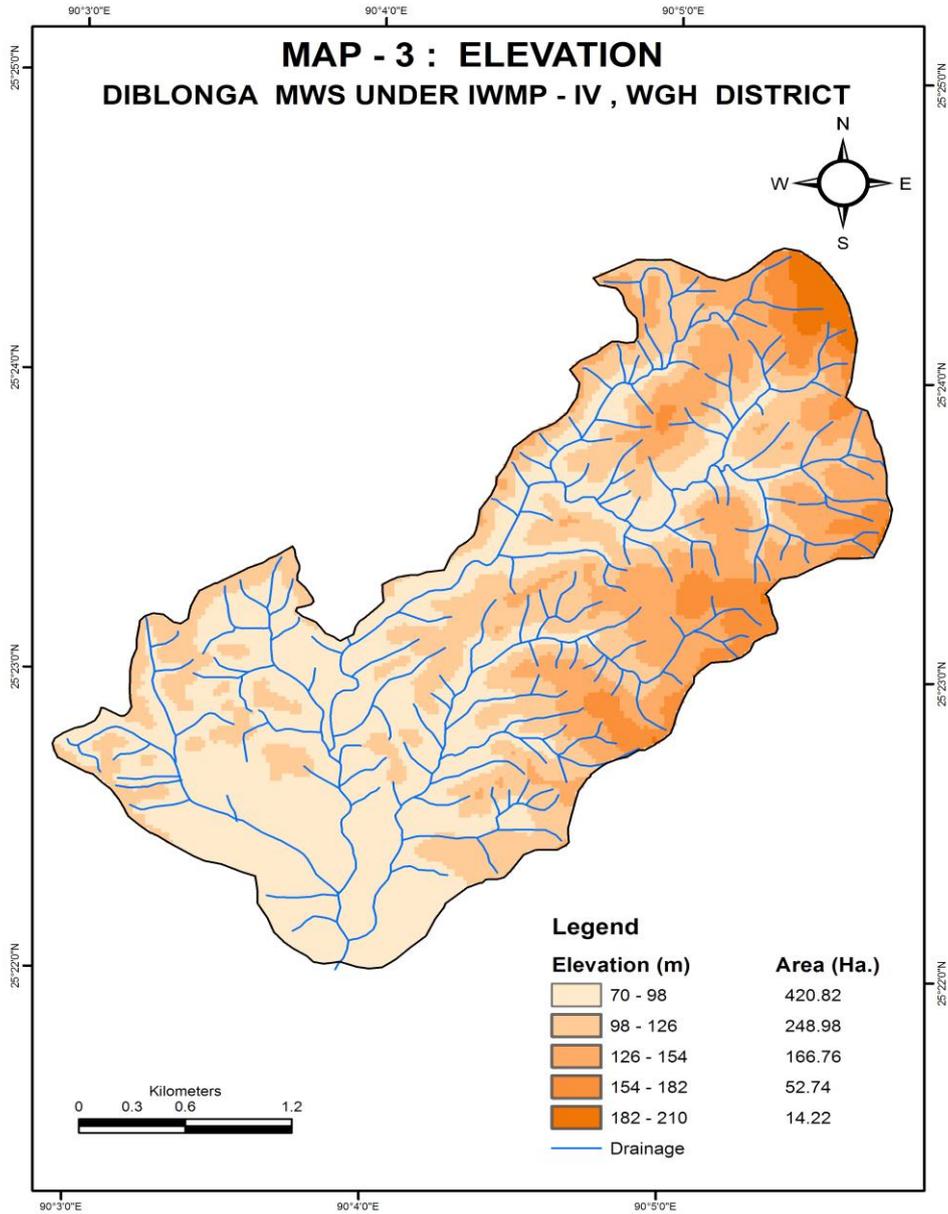
\* from column no. 2, total no. of States implementing the programme, from column no. 3, total no. of Districts; from Column no. 4, no. of projects, from column no. 5, no. of WCs, from column no. 6, no. of structures/ activities, from column no. 7 to 10, category-wise# totals, may be mentioned at the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

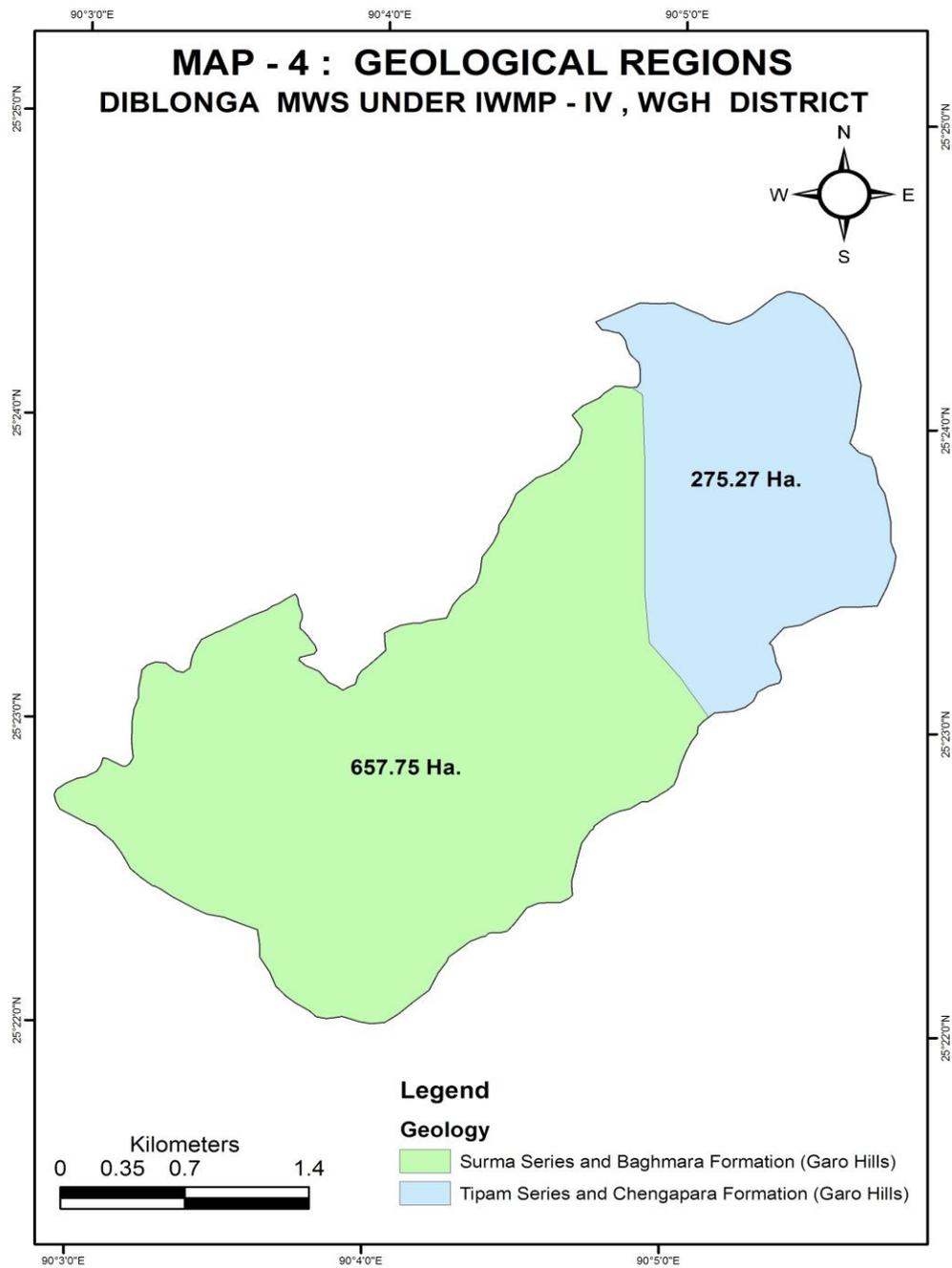
<sup>#</sup>B:C ratio more than 1 – cost effectiveness than 1– Not cost effecti

**ANNEXTURE I**  
**MAPS**

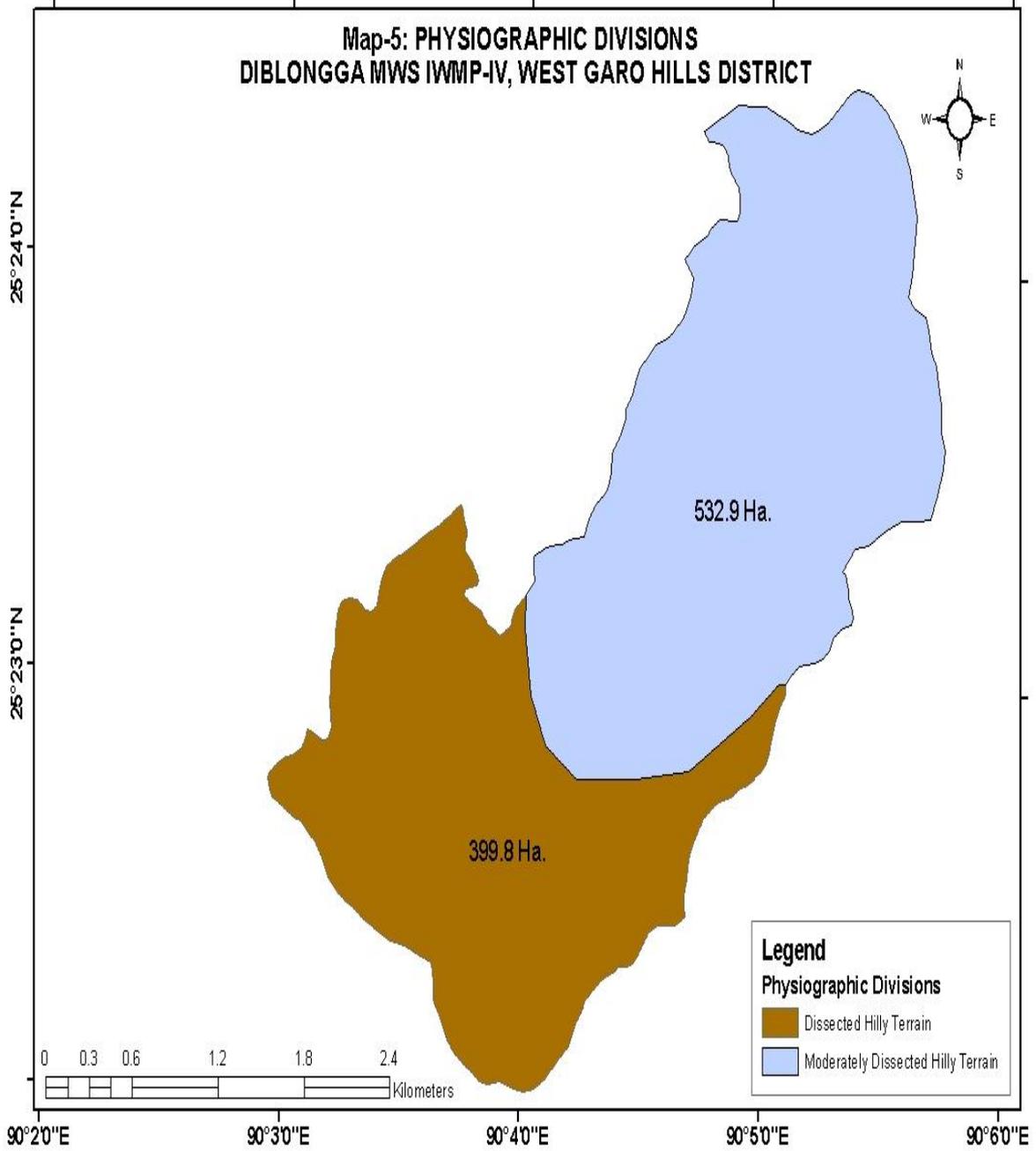




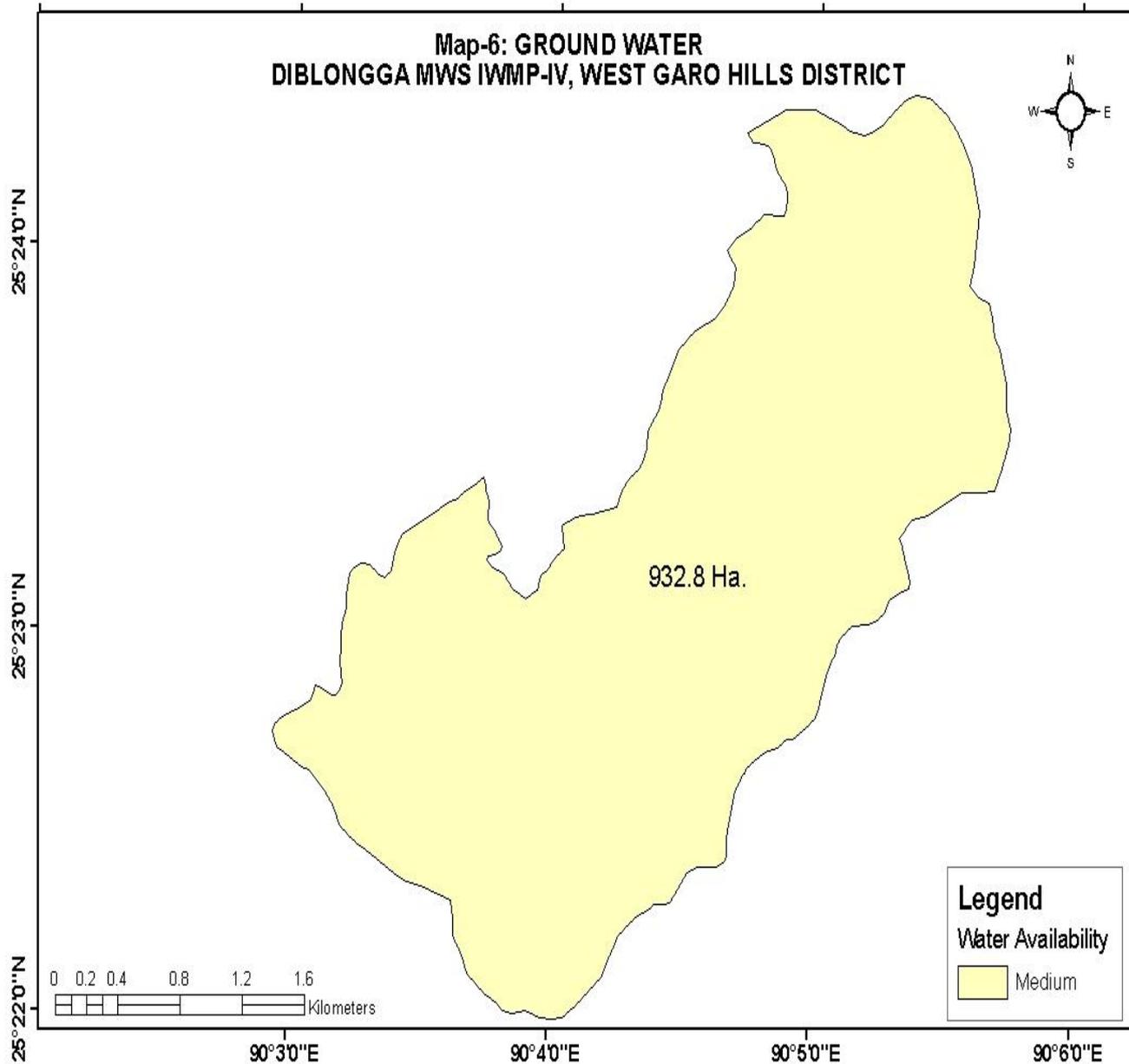




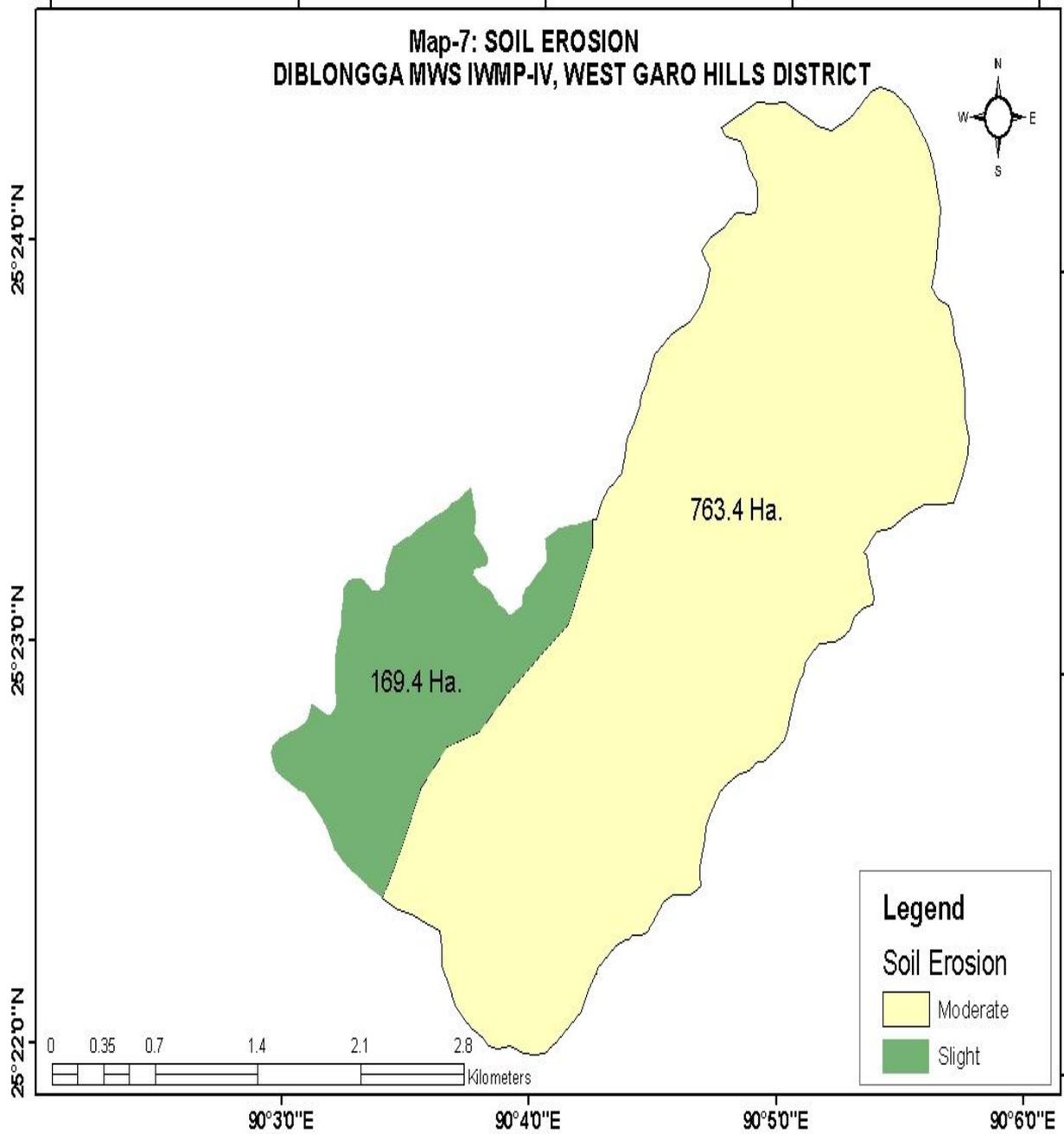
**Map-5: PHYSIOGRAPHIC DIVISIONS  
DIBLONGGA MWS IWMP-IV, WEST GARO HILLS DISTRICT**

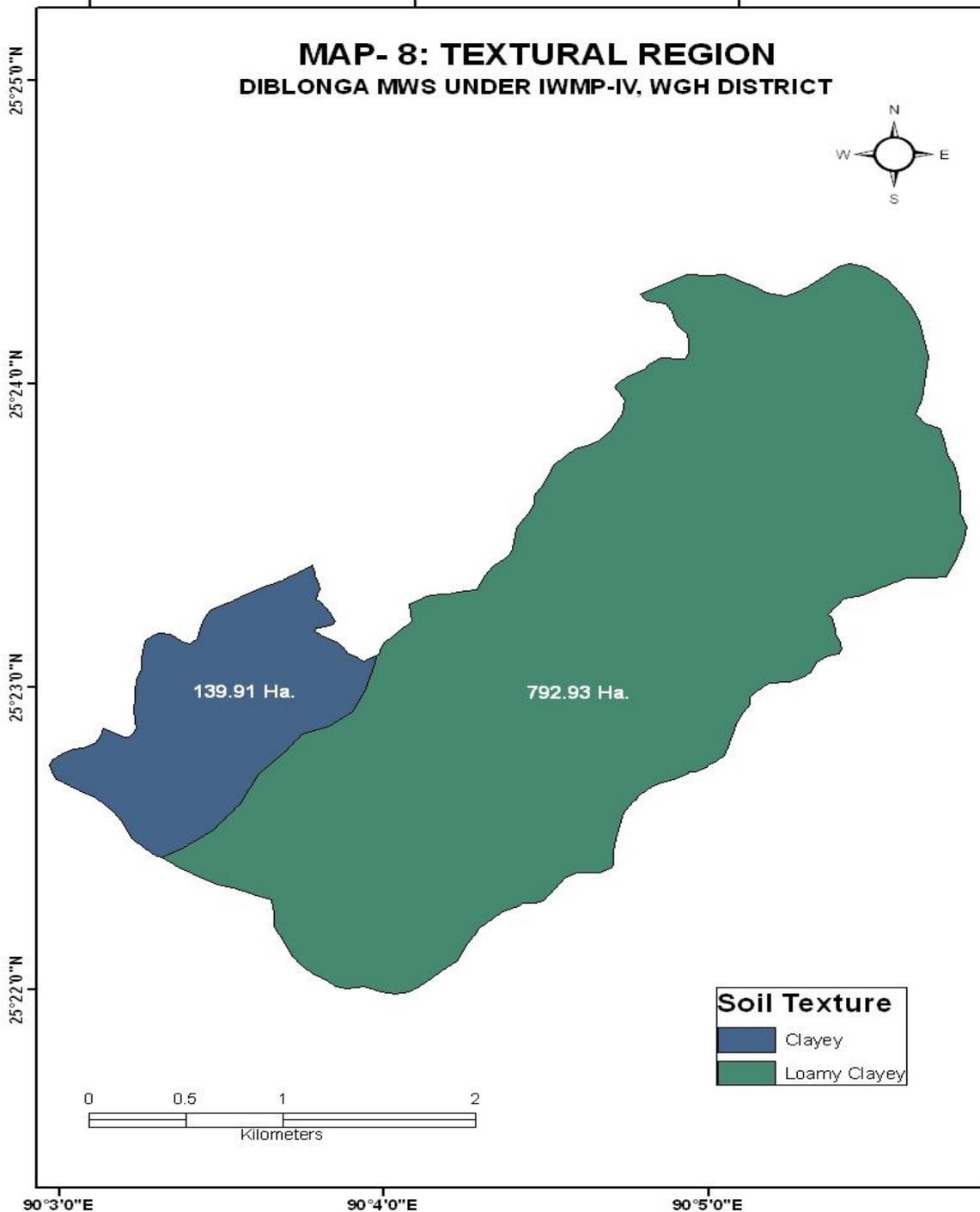


**Map-6: GROUND WATER  
DIBLONGGA MWS IWMP-IV, WEST GARO HILLS DISTRICT**



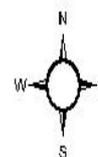
**Map-7: SOIL EROSION  
DIBLONGGA MWS IWMP-IV, WEST GARO HILLS DISTRICT**







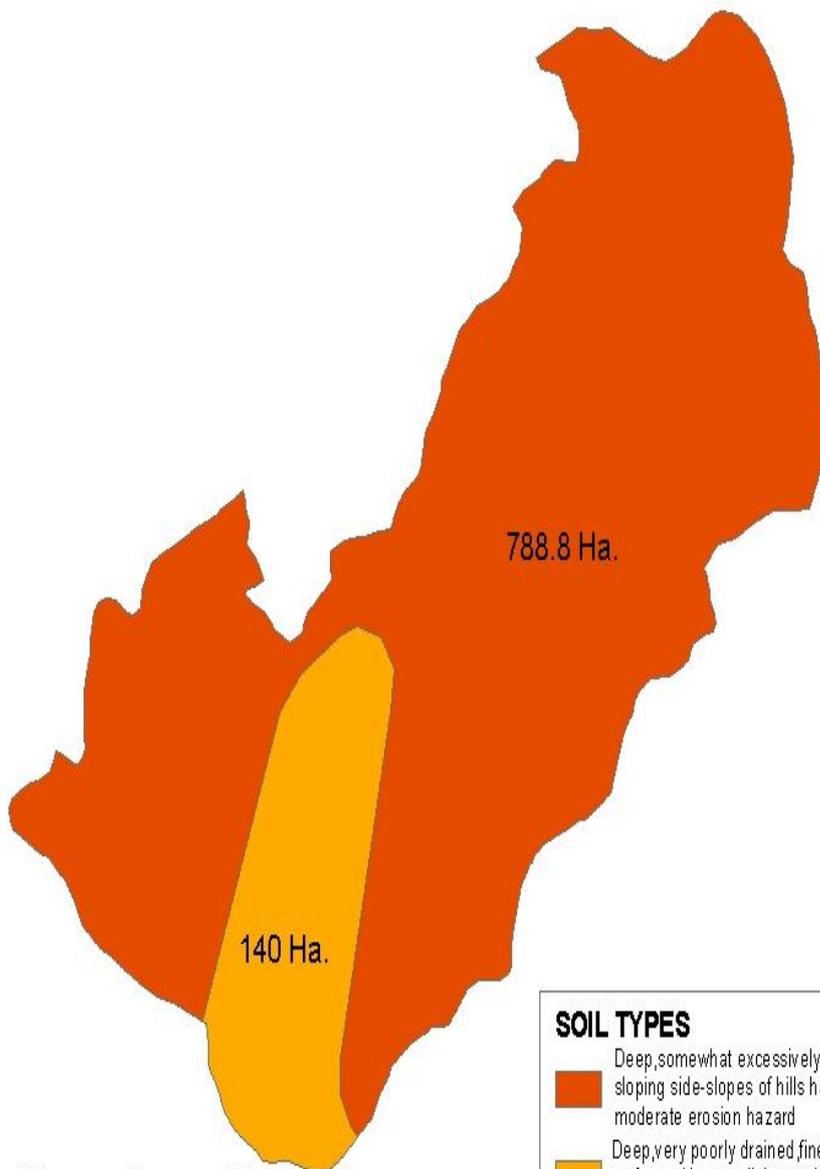
Map-10: SOIL TYPES  
DIBLONGGA MWS IWMP-IV, WEST GARO HILLS DISTRICT



26°24'0"N

26°23'0"N

26°22'0"N

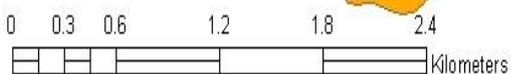


788.8 Ha.

140 Ha.

**SOIL TYPES**

-  Deep, somewhat excessively drained, fine soils on gently sloping side-slopes of hills having loamy surface with moderate erosion hazard
-  Deep, very poorly drained, fine soils on nearly level valley having clayey surface with very slight erosion ground water table between one to 2 metres of the surface and moderate flood hazards



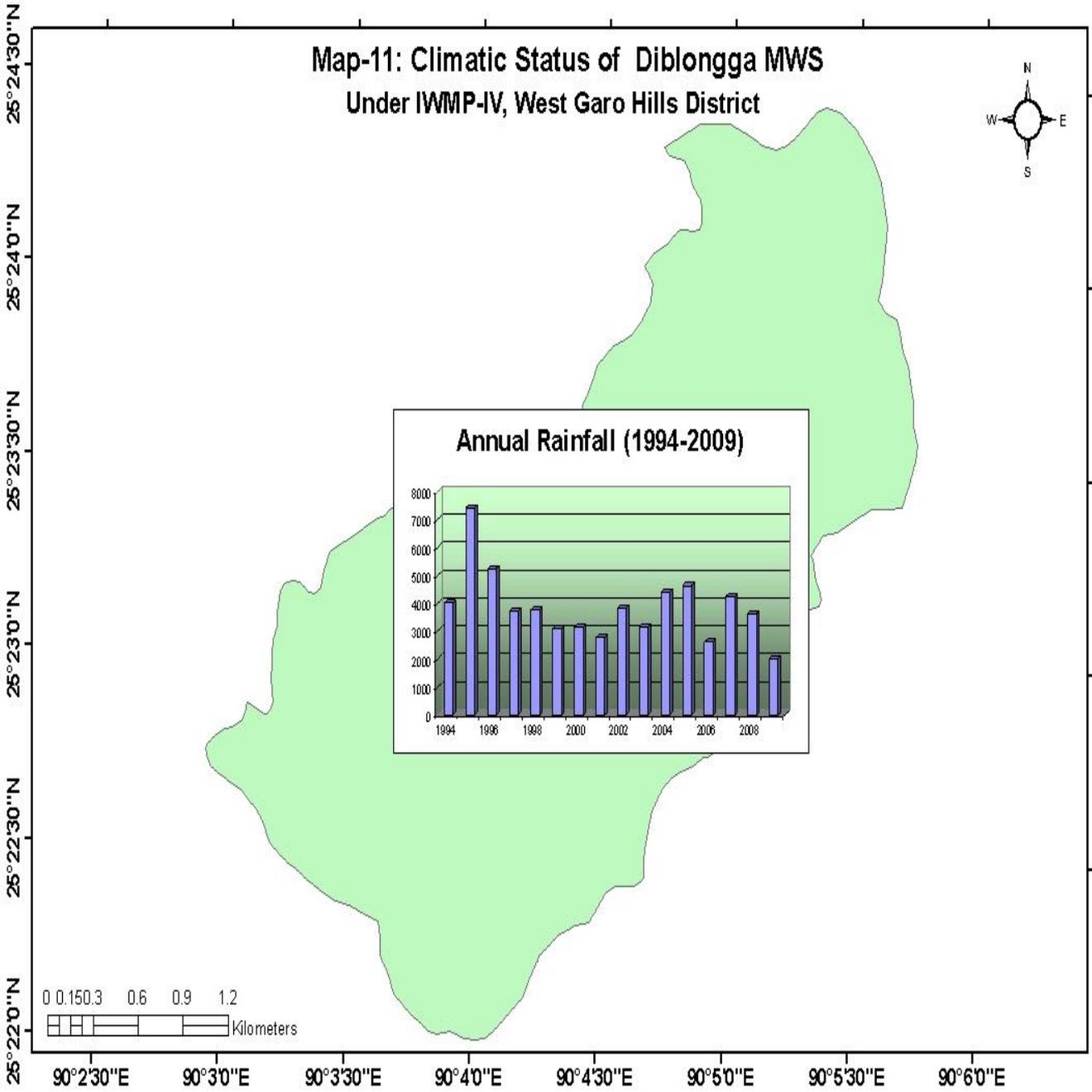
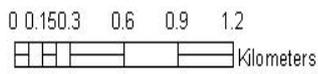
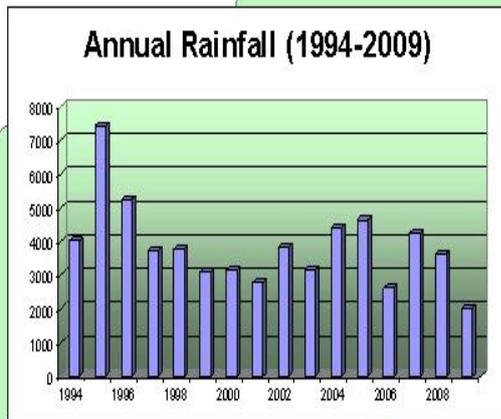
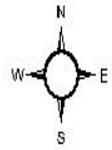
90°30'E

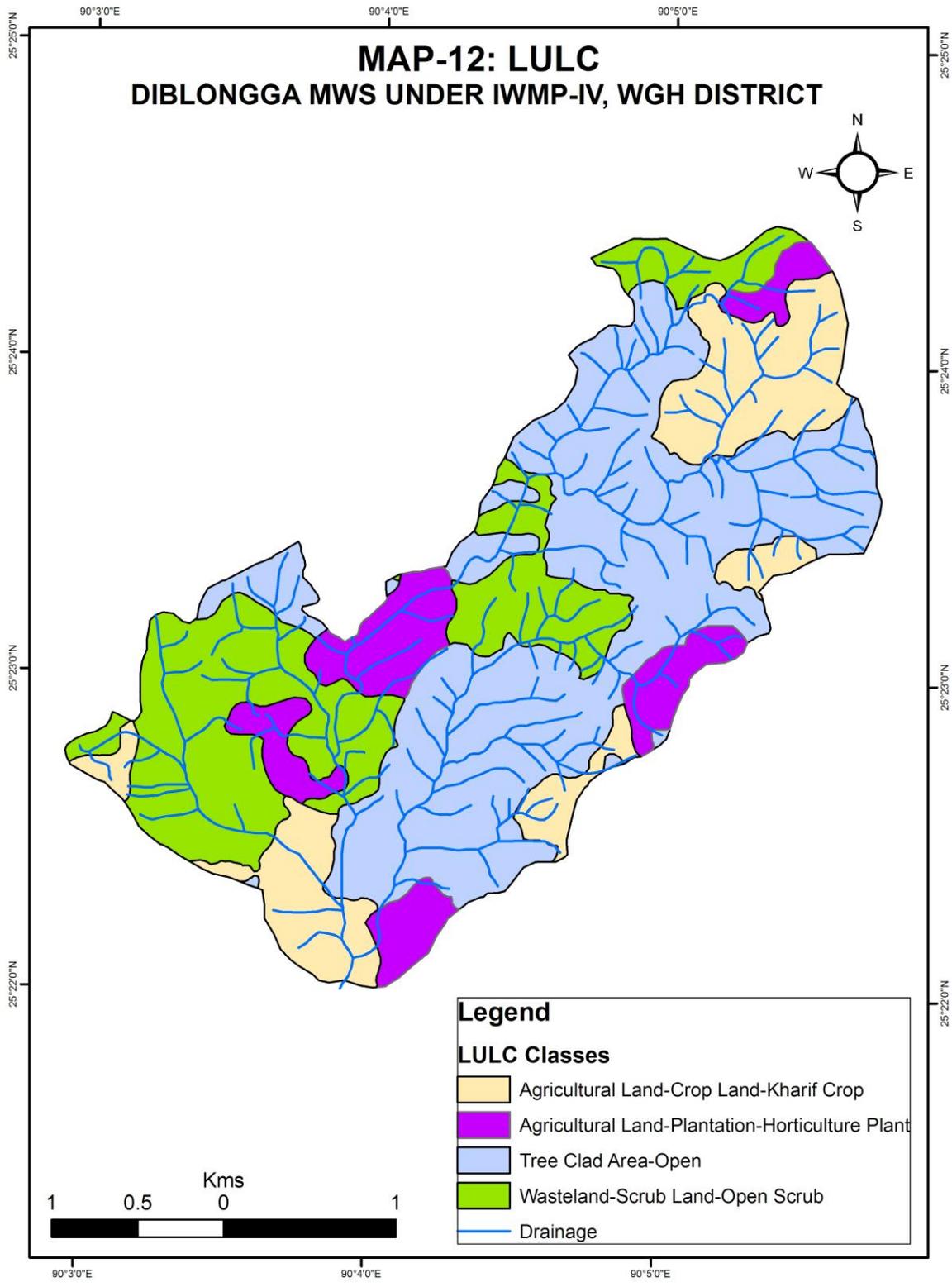
90°40'E

90°50'E

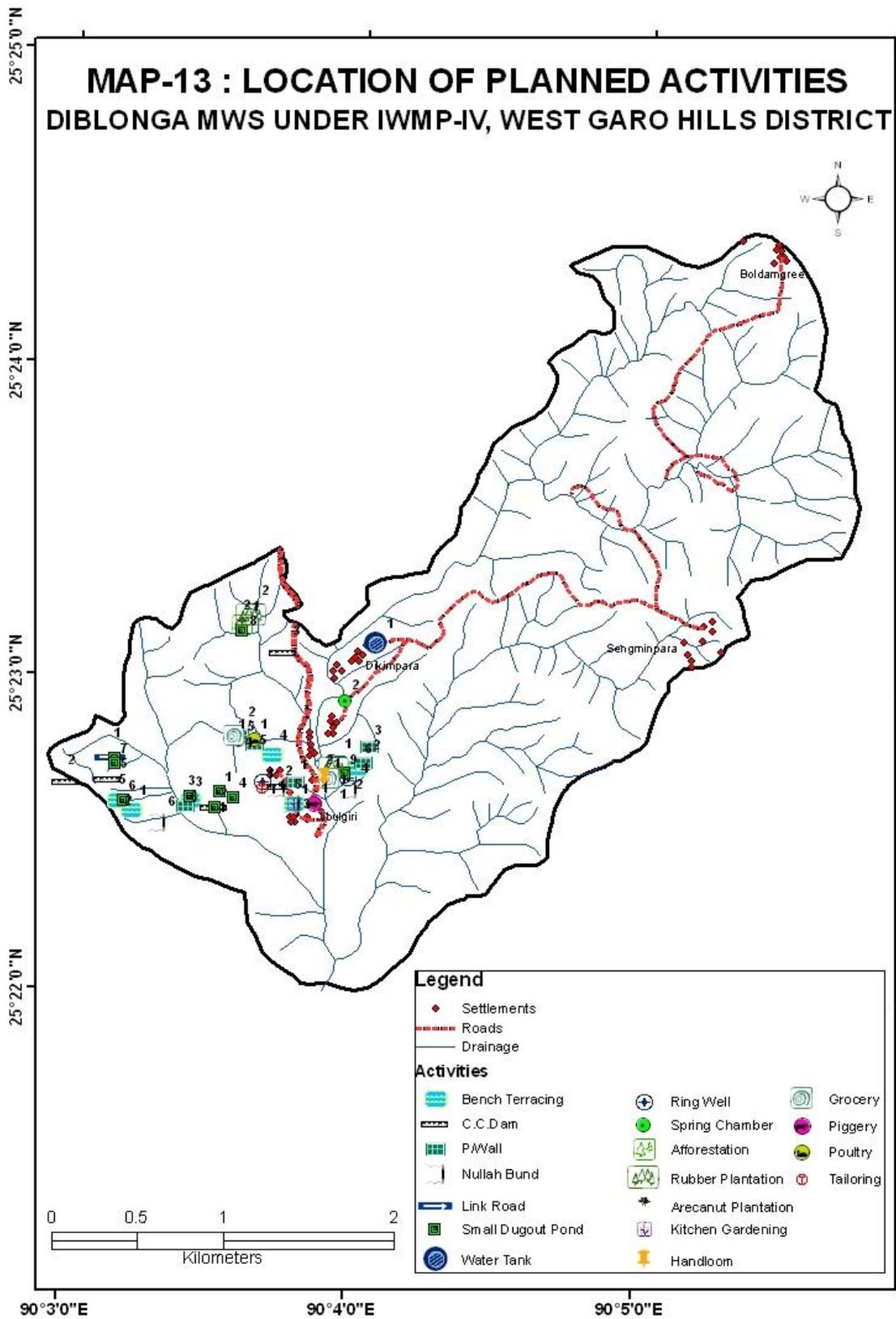
90°60'E

**Map-11: Climatic Status of Diblongga MWS  
Under IWMP-IV, West Garo Hills District**





# MAP-13 : LOCATION OF PLANNED ACTIVITIES DIBLONGA MWS UNDER IWMP-IV, WEST GARO HILLS DISTRICT



**ANNEXTURE III  
COST ESTIMATES**



**MODEL NORM PER HECTARE FOR AGRO-HORTICULTURE WITH ARECANUT PLANTATION  
(INTEGRATED WATERSHED MANAGEMENT PROGRAMME)**

Spacing     3.5 m x 2.35 m  
Plant  
density     1200 nos

A     Preliminary Works

I. Site clearance		
6 mandays @Rs. 100/- per manday		600
Pit digging (pit size 0.45mx0.45mx0.45m) 1200 nos		
II. @Rs. 3/- each		3600
	<hr/>	4200

B     First year Planting

I. Cost of arecanuts 1200 nos @Rs. 1/- each		7200
Cost of planting 1200 nos @Rs. 2/- each = Rs. 2400.00 (Contribution		
II. from		
the beneficiaries)		
III. Weeding two times		
10 mandays @Rs. 100/- per manday = Rs. 2000		
(Contribution from the beneficiaries)		
	<hr/>	7200

11400

**(Rupees Eleven Thousand Four Hundred ) only.**

\* The cost of norms in Arable Land for Arecanut Plantation has been worked out keeping in mind the demand for Arecanut planting by the farmers in the proposed projects. The crop also has consistency in generating income which will help the people in the watershed project to improve their economic condition. The cost of norms has been worked at the minimum by taking into account the expected beneficiary contributions by way of plantings and weedings.

**Table 52: Details of Convergence of IWMP with other Schemes:**

**Name of village:** a) Jebalgre b)Dikimpara

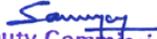
1	2	3	4	5		6	7	
District	Names of project	Names of Departments with Schemes converging with IWMP	Fund made available to IWMP due to convergence (Rs. in lakh)	Name of activity/task/structure undertaken with converged funds			Reference no. of activity/ task/ structure in DPR	Level at which decision for convergence was taken
				(a) Structures	Nos/Rmt/Ha	Amount (Rs)		
				(b) livelihoods				
				(c) Any other (pl. specify)				
West Garo Hills	WGH-IWMP-II	NREGS (DRDA, West Garo Hills, Meghalaya)	3328000	a) Dugout Pond	13 nos	390000	Enclosure of Abstract of Perspective Plan for Convergence of NREGs with IWMP in DPR	District Level
				b) Bench Terrace	11 Ha	165000		
				c) Nallah Bund	4 nos	600000		
				d) CC Irrigation dam	2 nos	300000		
				e) Link Road	1.7 km	119000		
				f) RCC Footbridge				
				g) Spring chamber	7 nos	420000		
				g) Rubber Plantation	50 Ha	490000		
				h) Arecanut Plantation	80 Ha	844000		
<b>Grand Total</b>						<b>3328000</b>		

**Grand Total:** Rupees Thirty-Three Lakhs Twenty-Eight Thousand only.

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

  
**Divisional Officer,**  
**Tura Soil & Water Conservation**  
**(T) Division, West Garo Hills.**  
 Divisional officer

Tura Soil & Water Conservation(T) Division

  
**Deputy Commissioner**  
**West Garo Hills, Tura.**  
 Deputy Commissioner  
 West Garo Hills, meghalaya



**ESTIMATE FOR THE CONSTRUCTION OF C.C. IRRIGATION DAM WITH DISPOSAL CHANNEL ACROSS \_\_\_\_\_ STREAM AT \_\_\_\_\_**

**( Rates as per P.W.D. S.O.R. for roads, bridges and E & D works 2007-2008 ).**

1/134. Excavation for structures (earth work in excavation of the foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deteriorous matters, dressing of sides and bottom and back filling with approved materials.)  
 (I) Ordinary soil.  
 (A) Manual means.  
 (i) Upto 3 m, depth.

M/Dam : 1 x 8.00 x 1.40 x 1.05 = 11.76m<sup>3</sup>

W/wall : 2 x 2.50 x 0.45 x 0.50 = 1.13m<sup>3</sup>

G/wall : 2 x 3.00 x 0.30 x 0.50 = 0.90m<sup>3</sup>

T/wall : 1 x 6.00 x 0.45 x 0.60 = 1.62m<sup>3</sup>

Apron : 1 x 6.00 x 3.00 x 0.35 = 6.30m<sup>3</sup>

D/channel : 1 x 5.00 x 1.30 x 0.90 = 5.85m<sup>3</sup>

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 = 27.56m<sup>3</sup>

@ Rs. 34/- m<sup>3</sup> ..... Rs. 937.04

2/103. Providing and laying of dry rubble flooring complete as per drawing and technical specifications.

M/Dam : 1 x 8.00 x 1.40 x 0.10 = 1.12m<sup>3</sup>

Apron : 1 x 6.00 x 3.00 x 0.25 = 4.50m<sup>3</sup>

D/channel : 1 x 5.00 x 1.00 x 0.25 = 1.25m<sup>3</sup>

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 = 6.87m<sup>3</sup>

@ Rs. 852/- m<sup>3</sup> ..... Rs. 5853.24

3/137. PCC 1 : 3 : 6 in foundation (plain cement concrete 1:3:6 nominal mix in foundation etc).

M/Dam : 1 x 8.00 x 1.40 x 0.10 = 1.12m<sup>3</sup>

@ Rs. 3232/- m<sup>3</sup> ..... Rs. 3619.84

4/141 . Plain cement concrete in open foundation complete as per drawing and technical specifications.

A. P.C.C. Grade M15 :

M/Dam : 1 x 8.00 x 1.20 x 0.80 = 7.68m<sup>3</sup>

1 x 8.00 x  $\frac{0.50 + 1.20}{2}$  x 1.05 = 7.14m<sup>3</sup>

2 x 1.00 x 0.50 x 0.50 = 0.50m<sup>3</sup>

W/wall : 2 x 2.50 x 0.30 x 2.05 = 3.08m<sup>3</sup>

Deduct : 1 x 1.00 x 0.30 x 0.60 = (-)0.18m<sup>3</sup>

G/wall : 2 x 3.00 x 0.25 x 0.95 = 1.43m<sup>3</sup>

T/wall : 1 x 6.00 x 0.30 x 0.70 = 1.26m<sup>3</sup>

Apron : 1 x 6.00 x 3.00 x 0.10 = 1.80m<sup>3</sup>

D/channel : 2 x 5.00 x 0.15 x 0.98 = 1.47m<sup>3</sup>

1 x 5.00 x 1.00 x 0.10 = 0.50m<sup>3</sup>

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= 24.68m<sup>3</sup>

@ Rs. 3630/- m<sup>3</sup> ..... Rs. 89588.40

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**GRAND TOTAL = Rs. 99998.52**

**Say, Rs. 1,00,000.00**

**( Rupees One lakh ) only.**



**ESTIMATE FOR THE CONSTRUCTION OF CAUSEWAY AT KEMRAGRE UNDER SIKSINGWIL  
MICRO WATERSHED (IWMP) 2009 AS PER PWD SCHEDULE OF RATE FOR ROADS,  
BRIDGES AND E& D WORKS FOR THE YEAR 2007-08**

1) Site preparation including jungle clearance, removal of stumps, burning and clearing the debris,  
etc.,.....L/S=Rs 4535

2/134[A(i)] Excavation for structures(earthwork in excavation of foundation of structures as per  
drawing and technical specification, including setting out, construction of shoring and  
bracing, removal of stumps and other deleterious matter, dressing of sides and bottom  
and backfilling with approved material)

Abutment= $2 \times 2.50 \times 1.75 \times 1.00 = 8.75$  5 cum.

@ Rs 34/ cum.....=Rs 297.5

=Rs  
298

3/141(B) Plain cement concrete in open foundation complete as per drawing and technical  
specifications

PCC Grade M 20

Abutment (foundation)= $2 \times 2.50 \times 1.75 \times 1.00 = 8.75$  .75 cum.

@Rs 4129/ cum.....=Rs 36129

3/141(B) Plain cement concrete in open foundation complete as per drawing and technical  
specifications

PCC Grade M20

Causeway= $2 \times 9.00 \times 2.50 \times 0.40 = 18$  cum.

@ Rs 4129/ cum.....=Rs 74322

4/141.G(i). Plain cement concrete in open foundation complete as per drawing and technical  
specification.

RCC Grade M 30

RCC slab= $1 \times 12.00 \times 2.50 \times 0.35 = 10.5$  cum.

@ Rs 4648/cum.....=Rs 48804

5/78 Plastering with cement mortar (1:4) ,15 mm thick on brickwork in substructure as per technical specification

Abutment=2x2.50x1.75x1.00=8.75  
Causeway=2x9.00x2.50x0.40=18  
Slab =1x12.00x2.50x0.35=10.5

Total =  
37.25sqm

@ Rs 75/sqm.....=Rs 2793.75  
=Rs 2794

Total= Rs  
1,62,347                      1,66,882  
(+) 5% contingency Rs 8117.35  
  
Grand total            =Rs    1,74,000.35  
  
Say,    Rs. 1,75,000.00

(Rupees one lakh seventy five thousand )  
only.



**ESTIMATE FOR CONSTRUCTION OF DUGOUT POND AS PER SCHEDULE  
OF RATES FOR ROADS,BRIDGES AND E&D WORKS FOR THE YEAR 2007-2008**

1/130(i). Excavation in soil for dugout farm pond by manual means with lead upto 50m

Dugout Farm Pond

Volume:  $D/6 (AT) + 4(AM) + (AB)$   
 $2.5/6 (30.00 \times 15.00) + 4(28.00 \times 13.00) + (26.00 \times$   
 $= 11.00)$   
 $= 2.5/6(450+1456+286)$   
 $= 913.33 \quad m^3$

.@Rs.34/- cum

**Rs. 31053.22**

6/37. Furnishing and laying of the live sods of perennial turf forming grass on embankment slope, verges or other locations shown on the drawing including preparation of ground, fetching of sods and watering as per technical specification

2	x	30	x	2.5	150	m <sup>2</sup>
2	x	15	x	2.5	75	m <sup>2</sup>
					<u>225</u>	m <sup>2</sup>

.@Rs.41.00/sq.m

**9225**

40278.22

**Grand Total**

**Say**

**Rs.**

**40,000.00**

**(Rupees Forty thousand)only.**



**ESTIMATE FOR CONSTRUCTION OF EARTHEN DISTRIBUTION CHANNEL  
AS PER SCHEDULE OF RATES FOR  
ROADS, BRIDGES AND E&D WORKS FOR THE YEAR 2007-2008**

1/134. Excavation for structures (earthwork in excavation of the foundation of structures as per drawing and technical specification, including setting out, construction of showing and bracing, removal of stumps and deleterious matters, dressing of sides and bottom and backfilling with appropriate materials)

I.A(i) Ordinary soil

Earthen Channel	1	x	1.00	x	1.10	x	1.35	<b>1.49</b>	m <sup>3</sup>
.@Rs.34/- cum							Rs.	<b>50.49</b>	
							Rs.	<b>50.49</b>	
<b>Grand Total</b>					<b>Say</b>		<b>Rs.</b>	<b>50.00</b>	

**Cost per Running metre=(Rupees Fifty)only.**



**ESTIMATE FOR CONSTRUCTION OF EARTHEN EMBANKMENT  
AS PER SCHEDULE OF RATES FOR ROADS, BRIDGES AND E&D  
WORKS FOR THE YEAR 2007-2008**

4/29. Construction of embankment with approved material obtained from borrow pits with a lift upto 1.50 m transporting to site, spreading, grading to required slope and compacting to meet requirement with a lead upto 1000 m as per technical specification.

Dam	1	x	1.00	x	2.20	x	1.2	<b>2.64</b>	m <sup>3</sup>
.@Rs.247/- cum							Rs.	<b>652.08</b>	

6/37. Furnishing and laying of the live sods of perennial turf forming grass on embankment slope, verges or other locations shown on the drawing including preparation of ground, fetching of sods and watering as per technical specification

	2	x	1.00	x	1.2		2.4	m <sup>2</sup>
.@ Rs.41.00/sq.m						Rs.	<b>98.4</b>	

**750.48**

<b>Grand Total</b>					<b>Say</b>	<b>Rs.</b>	<b>700.00</b>
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**Cost per Running metre= Rupees Seven hundred only**



**ESTIMATE FOR THE CONSTRUCTION OF CC PROTECTION WALL THE PADDY FIELD  
AS PER SCHEDULED OF RATE FOR ROAD , BRIDGES & E&D FOR THE  
YEAR 2007-08**

1/134. Excavation for structures(earthwork in excavation of the foundation of structures as per drawing and technical specification,including setting out,construction of showing and bracing,removal of stumps and deleterious matters,dressing of sides and bottom and backfilling with appropriate materials)

1 x 9.4 x 1 x 0.9 = 8.46 m<sup>3</sup>

.@Rs.34/- per  
cum

Rs. 287.64

3/137 PCC 1:3:6 in foundation(plain cement concrete 1:3:6 nominal mix  
in foundation  
etc)

1 x 9.4 x 1 x 0.1 = 0.94 m<sup>3</sup>

1 x 9.4 x 0.8 x 0.8 = 6.02 m<sup>3</sup>

1 x 9.4 x 0.6 x 1.5 = 8.46 m<sup>3</sup>

15.42 m<sup>3</sup>

.@ Rs.3232/- per  
cum

Rs 49824.51

Say, **Rs. 50,112.15**  
**Rs. 50,000.00**

**Grand total(Rupees fifty thousand)  
only.**



**ESTIMATE FOR CONSTRUCTION OF CC CORE WALL WITH EARTH FILLED DAM AND LEAD  
CHANNEL AS PER SCHEDULE OF RATES FOR ROADS,BRIDGES AND E&D  
WORKS FOR THE YEAR 2007-2008**

1/134. Excavation for structures(earthwork in excavation of the foundation of structures as per drawing and technical specification,including setting out,construction of showing and bracing,removal of stumps and deleterious matters,dressing of sides and bottom and backfilling with appropriate materials)

I.A(i) Ordinary soil

Core wall	1	x	12.30	x	0.90	x	0.80	<b>8.86</b>	m <sup>3</sup>
L/Channel	1	x	5.00	x	1.10	x	1.25	<b>6.88</b>	m <sup>3</sup>
								<b>15.73</b>	m <sup>3</sup>

.@Rs.34/- cum Rs. **534.854**

2/137 PCC 1:3:6 in foundation( Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40mm nominal size.

Core wall	1	x	12.30	x	0.90	x	0.10	<b>1.11</b>	m <sup>3</sup>
	1	x	12.30	x	0.80	x	0.70	<b>6.89</b>	m <sup>3</sup>
	1	x	12.30	x	0.55	x	1.50	<b>10.15</b>	m <sup>3</sup>
L/ channel	2	x	5.00	x	0.15	x	1.25	<b>1.88</b>	m <sup>3</sup>
	2	x	5.00	x	0.10	x	0.80	<b>0.80</b>	m <sup>3</sup>
								<b>20.82</b>	m <sup>3</sup>

.@ Rs.3232/- cum Rs. **67282.16**

4/29. Construction of embankment with approved material obtained from borrow pits with a lift upto 1.50 m transporting to site, spreading, grading to required slope and compacting to meet requirement with a lead upto 1000 m as per technical specification.

Dam	1	x	12.30	x	5.20	x	1.8	<b>115.13</b>	m <sup>3</sup>
Deduct	1	x	12.30	x	0.55	x	1.50	<b>10.15</b>	m <sup>3</sup>
								<b>104.98</b>	m <sup>3</sup>

.@Rs.247/- cum Rs. **25930.18**

5/78. Plastering with cement mortar (1:4) 15mm thick

L/channel	2	x	5.00	x	0.90			<b>9.00</b>	m <sup>2</sup>
	2	x	5.00	x	0.15			<b>1.50</b>	m <sup>2</sup>
	1	x	5.00	x	0.8			<b>4.00</b>	m <sup>2</sup>
								<b>14.50</b>	m <sup>2</sup>

.@ Rs.75/- per sq.m Rs. **1087.50**

C.O. Rs. **94834.70**

B.F. Rs. **94834.70**

6/37. Furnishing and laying of the live sods of perennial turf forming grass on embankment slope, verges or other locations shown on the drawing including preparation of ground, fetching of sods and watering as per technical specification

Dam	1	x	12.30	x	2.01	24.723	m <sup>2</sup>
	1	x	12.30	x	2.5	<u>30.75</u>	m <sup>2</sup>
						55.473	m <sup>2</sup>
.@ Rs.41.00/sq.m						Rs. <b>2274.393</b>	

7/100 Providing and laying pitching on slopes laid over prepared filter media as per drawing and technical specification.

I. Stone/Boulder

Dam	12.30	x	2.01	x	0.15	3.70845	m <sup>3</sup>
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.@ Rs.	884/- per cum	3278.27
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<b>Grand Total</b>	<b>Say</b>	Rs. <b>100387.36</b>
		Rs. <b>1,00,000</b>

(Rupees One lakhs)only.



*ESTIMATE FOR THE CONSTRUCTION OF SPRING CHAMBER WITH WATER RESERVOIR.  
UNDER IWMP.*

*(Rates as per P.W.D Schedule of rates for building works) 2007 – 2008*

1/1.1 Earth work in excavation in foundation trenches, including dressing of sides and ramming of the bottom including stacking etc.

d) Soft laminated rock or medium shale.

For Spring Chamber:

$$1 \times 1 \times 2.5 \times 0.80 \times 1.10 = 2.20 \text{ m}^3$$

$$1 \times 2 \times 2.5 \times 0.80 \times 0.70 = 2.24 \text{ m}^3$$

For Reservoir:

$$1 \times 2 \times 2.5 \times 0.30 \times 0.50 = 0.75 \text{ m}^3$$

$$1 \times 2 \times 1.5 \times 0.30 \times 0.50 = 0.45 \text{ m}^3$$

For Pipe Pedestals:

$$10 \times 0.40 \times 0.40 \times 0.60 = 0.96 \text{ m}^3$$

$$\frac{0.96 \text{ m}^3}{6.60 \text{ m}^3}$$

@ Rs. 85/- m<sup>3</sup>

Rs. 561.00

2/4.5 Providing 100 mm thick soling with approved quality of stone etc.

For Spring Chamber:

$$1 \times 1 \times 2.50 \times 0.80 = 2.00 \text{ m}^3$$

$$1 \times 2 \times 2.00 \times 0.80 = 3.20 \text{ m}^3$$

For Reservoir: m<sup>3</sup>

$$1 \times 2 \times 2.50 \times 0.30 = 1.50 \text{ m}^3$$

$$1 \times 2 \times 1.50 \times 0.30 = 0.90 \text{ m}^3$$

$$1 \times 1 \times 2.50 \times 1.50 = 3.75 \text{ m}^3$$

For Pipe Pedestal: m<sup>3</sup>

$$10 \times 0.40 \times 0.40 = 1.60 \text{ m}^3$$

$$= 12.95 \text{ m}^3$$

@ Rs. 115/- m<sup>3</sup>

Rs. 1,489.25

3/2.1 Providing and laying cement concrete in prop. 1:4:8 etc.

For Spring Chamber:

$$1 \times 1 \times 2.50 \times 0.80 \times 0.10 = 0.20 \text{ m}^3$$

$$1 \times 2 \times 2.00 \times 0.80 \times 0.10 = 0.32 \text{ m}^3$$

For Reservoir:

$$1 \times 2 \times 2.50 \times 0.30 \times 0.10 = 0.15 \text{ m}^3$$

$$1 \times 2 \times 1.50 \times 0.30 \times 0.10 = 0.09 \text{ m}^3$$

For Pipe Pedestals:

$$10 \times 0.40 \times 0.40 \times 0.10 = \frac{0.16 \text{ m}^3}{0.92 \text{ m}^3} \\ @ \text{ Rs. } 2393/- \text{ m}^3$$

Rs. 2,201.56

4/2.2

Providing and laying cement concrete in prop. 1:3:6 etc.

For Spring Chamber:

$$1 \times 1 \times 2.50 \times 0.60 \times 0.70 = 1.05 \text{ m}^3 \\ 1 \times 2 \times 2.00 \times 0.60 \times 0.65 = 1.56 \text{ m}^3 \\ 1 \times 1 \times 2.50 \times \frac{0.26 + 0.55}{2} \times 1.35 = 1.36 \text{ m}^3 \\ 1 \times 2 \times 2.00 \times \frac{0.25 + 0.26}{2} \times 0.45 = 1.80 \text{ m}^3 \\ 1 \times 2 \times 2.00 \times \frac{0.25 + 0.55}{2} \times 1.80 = 2.80 \text{ m}^3$$

For Reservoir :

$$1 \times 2 \times 2.50 \times 0.30 \times 0.30 = 0.45 \text{ m}^3 \\ 1 \times 2 \times 1.50 \times 0.30 \times 0.30 = 0.27 \text{ m}^3 \\ 1 \times 1 \times 2.50 \times 1.50 \times 0.20 = 0.75 \text{ m}^3$$

For Pipe Pedestals:

$$10 \times 0.30 \times 0.30 \times 0.40 = \frac{0.36 \text{ m}^3}{10.40 \text{ m}^3} \\ @ \text{ Rs. } 2719/- \text{ m}^3$$

Rs. 28,277.60

5/2.9(a)

Providing shuttering including centering for flat surface such as slabs,shelves,chajja and for vertical faces such as column etc.

For spring chamber:

$$1 \times 2 \times 2.50 \times 0.70 = 3.50 \text{ m}^{\square\square} \\ 2 \times 2 \times 2.00 \times 0.65 = 5.20 \text{ m}^{\square\square} \\ 1 \times 1 \times 2.50 \times 1.50 = 3.75 \text{ m}^{\square} \\ 1 \times 1 \times 2.50 \times 1.60 = 4.00 \text{ m}^{\square} \\ 1 \times 2 \times \frac{0.25+0.26}{2} \times 0.45 = 0.225 \text{ m}^{\square} \\ 2 \times 2 \times 2.00 \times 0.70 = 5.60 \text{ m}^{\square} \\ 2 \times 2 \times 0.60 \times 0.70 = 1.68 \text{ m}^{\square} \\ 2 \times 1 \times 2.00 \times 1.50 = 6.00 \text{ m}^{\square} \\ 2 \times 1 \times 2.00 \times 1.60 = 6.40 \text{ m}^{\square} \\ 2 \times 1 \times \frac{0.25+0.55}{2} \times 1.60 = 1.28 \text{ m}^{\square}$$

For Reservoir :

$$1 \times 2 \times 2.50 \times 0.30 = 1.50 \text{ m}^{\square\square} \\ 1 \times 2 \times 0.30 \times 0.30 = 0.18 \text{ m}^{\square} \\ 1 \times 2 \times 1.50 \times 0.30 = 0.90 \text{ m}^{\square} \\ 1 \times 2 \times 2.50 \times 1.50 = 7.50 \text{ m}^{\square} \\ 1 \times 2 \times 1.50 \times 1.50 = 4.50 \text{ m}^{\square\square} \\ 1 \times 1 \times 2.50 \times 1.50 = 3.75 \text{ m}^{\square} \\ 1 \times 2 \times 2.50 \times 0.10 = 0.50 \text{ m}^{\square} \\ 1 \times 2 \times 1.50 \times 0.10 = 0.30 \text{ m}^{\square}$$

For Pipe Pedestals:

$$10 \times 4 \times 0.30 \times 0.40 = 4.80 \text{ m}^{\square\square}$$

$$10 \times 4 \times 0.15 \times 0.15 = \frac{0.90 \text{ m}^{\square\square}}{62.46 \text{ m}^{\square}}$$

@ Rs. 148/- m<sup>2</sup>

Rs. 9,244.82

6/2.3 Providing and laying cement concrete in prop 1:2:4... etc.

For Reservoir:

$$1 \times 2 \times 2.50 \times 0.15 \times 1.50 = 1.12 \text{ m}^3$$

$$1 \times 2 \times 1.50 \times 0.15 \times 1.50 = 0.67 \text{ m}^3$$

$$1 \times 1 \times 2.50 \times 1.50 \times 0.10 = 0.37 \text{ m}^3$$

For pipe pedestals:

$$10 \times 0.15 \times 0.15 \times 1.20 = \frac{0.27 \text{ m}^3}{2.43 \text{ m}^3}$$

@ Rs. 3280/- m<sup>□</sup>

Rs. 7,970.04

7/6.2(a) Providing to steel reinforcement in R.C.C.works including cutting, bending, cranking and tying in position.....etc.

10#Tor steel:

For Reservoir:

$$2 \times 12 \times 2.30 = 27.60 \text{ Rm.}$$

$$2 \times 9 \times 2.30 = 41.40 \text{ Rm.}$$

For pipe pedestals:

$$10 \times 4 \times 1.50 = \frac{60.00 \text{ Rm.}}{128.00 \text{ Rm.}}$$

@ 0.62kg./Rm. = Rs.79.36 /kgs.

8#Tor steel :

For Reservoir:

$$2 \times 12 \times 1.40 = 33.60 \text{ Rm.}$$

$$2 \times 9 \times 2.40 = 43.20 \text{ Rm.}$$

$$2 \times 10 \times 1.40 = 28.00 \text{ Rm.}$$

$$2 \times 10 \times 1.40 = \frac{28.00 \text{ Rm.}}{132.80 \text{ Rm.}}$$

@ 0.39kg./Rm. = Rs.51.79/ kgs

For pipe pedestals:

$$10 \times 9 \times 0.50 = 45.00 \text{Rm.}$$

$$@ 0.22 \text{kg./Rm} \quad . \quad = \frac{9.90 / \text{kgs}}{2.572 \text{ Qtls.}}$$

@ Rs.5373/- Qtl. Rs. 138.23

8/ Providing and fixing G.I. pipes including necessary  
Sockets, bends, jamnuts, elbows, tees etc.complete.  
(Rate as per market rates).

(a) 75mm G.I. Pipes.

Length – 1.30R.M. @ Rs.500/-Rm. Rs. 650.00

(b) 50mm G.I. Pipes.

Length – 27.05 R.M. @ Rs. 350/-Rm. Rs. 9,467.50

**GRAND TOTAL : Rs. 60,002.82**

*Say, Rs. 60,000.00*

*( Rupees sixty thousand ) only.*



**ANNEXTURE IV**  
**MoA, SUB-COMMITTEE DETAILS ETC**

**Table 52: Details of Convergence of IWMP with other Schemes:**  
 Name of village: a) Jabelgre b) Dikimpara

1	2	3	4	5		6	7	
				Name of activity/task/structure undertaken with converged funds				
District	Name of project	Names of Departments with Schemes converging with IWMP	Fund made available to IWMP due to convergence (Rs. in lakhs)	(a) Structures	(b) Amount (Rs.)	Reference to activity/task/structure in DPR	Level at which decision for convergence was taken	
				(i) Havelhoola (ii) Any other (pl. specify)				
West Garo Hills	WCH-IWMP-II	NREGS (MADA, West Garo Hills, Meghalaya)	3.228(20)	a) Dugout Pond	1.3 nos	590000	Enclosure of Abstract of Perspective Plan for Convergence of NREGS with IWMP in DPR	District Level
				b) Bench Terrace	11 Ha	155000		
				c) Nailah Burd	4 nos	600000		
				d) CC Irrigation dam	2 nos	900000		
				e) Link Road	1.7 km	1150000		
				f) RCC Footbridge				
				g) Spring chamber	7 nos	420000		
				h) Rubber Plantation	50 Ha	490000		
				i) Arecanut Plantation	80 Ha	840000		
				<b>Grand Total</b>				

**Grand Total: Rupees Thirty-Three Lakhs Twenty-Eight Thousand only.**

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

  
 Divisional Officer

Turb Soil & Water Conservation(T) Division

  
 Deputy Commissioner  
 West Garo Hills, Meghalaya

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF MREGS WITH MAMP AT DUKIMPARA VILLAGE  
UNDER DIBLONGUA MICRO-WATERSHED, WISHAMPARA**

Name of Village: **Dukimpara**  
Total No. of Job Card Holders: **100**

2010-11  
Total MREGS Component: **₹ 420,000**  
Amount allocated for convergence: **₹ 420,000**

2011-12  
Total MREGS Component: **₹ 420,000**  
Amount allocated for convergence: **₹ 420,000**

SL NO	ACTIVITIES	Units	PROJECT PERIOD												Total	Maidays to generated		
			2010-11			2011-12			2012-13			2013-14						
			PHY	FIN	Material	PHY	FIN	Material	PHY	FIN	Material	PHY	FIN	Material				
1	Dugout Ponds @ 2000/- per Ha	Ha	3	60000		4	80000		2	40000		2	40000		9	170000	0	1557
2	Plant Terrace @ 15000/- per Ha	Ha	1	15000		4	60000		2	30000		2	30000		9	136000	0	929
3	Water Ponds @ 20000/- per Ha	Ha							1	20000		1	20000		2	40000	0	2571
4	CC Impover Camp @ 150000/- per Ha	Ha							1	150000					1	150000	50000	1286
5	Link Road	Km				1	40000								1.5	60000	0	1071
6	Spring Charter @ 25000/- per Ha	Ha	25	625000		1	25000					3	75000		4	144000	88000	2057
7	Water Ponds @ 1800/- per Ha	Ha													26			
8	Planting @ 2000/- per Ha	Ha	25	50000		25	50000					25	50000		75	150000	0	1714
9	Planting @ 2000/- per Ha	Ha	20	40000		20	40000					20	40000		60	120000	0	1714
10	Planting @ 2000/- per Ha	Ha	20	40000		20	40000					20	40000		60	120000	0	1714
<b>GRAND TOTAL</b>				<b>420000</b>	<b>0</b>		<b>420000</b>	<b>24000</b>		<b>420000</b>	<b>120000</b>		<b>420000</b>	<b>132000</b>		<b>1630000</b>	<b>278000</b>	<b>24000</b>

Amount allocated for convergence for the period 2010-11 to 2013-14  
1. MREGS Component: **₹ 420,000**  
2. MAMP Component: **₹ 420,000**  
Grand Total: **₹ 840,000**

*Antony M. M. M.*  
Chairman  
Dukimpara VEC  
Dukimpara P.O., WISH

*Prasanna V.E.C.*  
Dukimpara V.E.C.  
West, Goro Hills

*Babu D. S. S.*  
Secretary  
Dukimpara VEC  
Dukimpara P.O., WISH



### AGREEMENT FOR CONVERGENCE OF SCHEME

The Village Employment Council (VEC) and the Communities of Jehalgre Village Gumbagre Block, West Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Watershed Management Project (IWMP) at Jehalgre village under Diphlojee Micro-Watershed, WGII-IWMP-IV being implemented by Tura Soil & Water Conservation (T) Division.

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

1. Dugout Pond.
2. Bench Terrace.
3. Spring Chamber.
4. Link Road.
5. Nallah Bund.
6. CC Irrigation Dam
7. Rubber Plantation.
8. Arecanut Plantation.

*L T I of Rongki Sangma*



Chairman,  
Village Employment Council  
Jehalgre  
Gumbagre Block, WGII

Secretary  
Jehalgre V.E.C.  
West Garo Hills.

*Sirjing Harak*

Secretary,  
Village Employment Council  
Jehalgre  
Gumbagre Block, WGII

Secretary  
Jehalgre V.E.C.  
West Garo Hills.

### AGREEMENT FOR CONVERGENCE OF SCHEME

The Village Employment Council (VEC) and the Communities of Dikimpara Village, Gambogre Block, West Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Watershed Management Project (IWMP) at Dikimpara village under Eibhsogga Micro-Watershed, WGH-IWMP-IV being implemented by Tura Soil & Water Conservation Division.

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

1. Dugout Pond.
2. Bench Terrace.
3. Spring Chamber.
4. Link Road.
5. CC Irrigation Dam
6. Nullah Bund.
7. Rubber Plantation.
8. Arecanut Plantation.

*Antoin nald*  
Chairman,  
Village Employment Council  
Dikimpara  
Gambogre Block, WGH  
President,  
Dikimpara V.C.  
West Garo Hills.

*Babli D. Shima*  
Secretary,  
Village Employment Council  
Dikimpara  
Gambogre Block, WGH  
Secretary,  
Dikimpara V.C.  
West Garo Hills.

**NO OBJECTION CERTIFICATE OF THE AKING NOKMA FOR UNDERTAKING ENTRY POINT ACTIVITY (EPA) AT DIBLONGGA MICRO WATERSHED, WGH-I.W.M.P-II BY TURA SOIL & WATER CONSERVATION (T) DIVISION.**

The A'king Nokma of Dikgimpara village under Diblongga Micro Watershed project, WGH-IWMP-II has No Objection to the Entry Point Activity (EPA) to be undertaken in my A'king land Soil & Water Conservation Department.

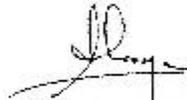
The proposed activity under Entry point Activity shall benefit the villagers and there will be No Objection in future from the villagers of the watershed area. We also pledge to maintain the asset created through EPA to ensure sustainability.

Name & Signature of A'king Nokma



*Smt M. N. Dungee  
Nokma II-19 (24)  
Dikimpara A'king  
West Garo Hills*

Countersigned by



*Divisional Officer,  
Tura Soil & Water Conservation (T) Division,  
West Garo Hills, Meghalaya.*

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**NO OBJECTION CERTIFICATE OF THE AKING NOKMA FOR UNDERTAKING ENTRY POINT ACTIVITY (EPA) AT DIBLONGGA MICRO WATERSHED, WGH-I.W.M.P-II BY TURA SOIL & WATER CONSERVATION (T) DIVISION.**

The A'king Nokma of Dikimpara village under Diblongga Micro Watershed project, WGH-IWMP-II has No Objection to the Entry Point Activity (EPA) to be undertaken in my A'king land Soil & Water Conservation Department.

The proposed activity under Entry point Activity shall benefit the villagers and there will be No Objection in future from the villagers of the watershed area. We also pledge to maintain the asset created through EPA to ensure sustainability.

Name & Signature of A'king Nokma

27/1/21

*ms M. K. Sangma  
Vokma II-19 (24)  
Dikimpara A'king  
West Garo Hills*

Countersigned by

*Divisional Officer,  
Tura Soil & Water Conservation (T) Division,  
West Garo Hills, Meghalaya.*

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