

DETAILED PROJECT REPORT

DOBANGAL-DAMBORA, INTEGRATED WATERSHED MANAGEMENT PROGRAMME

EGH - IWMP –VI

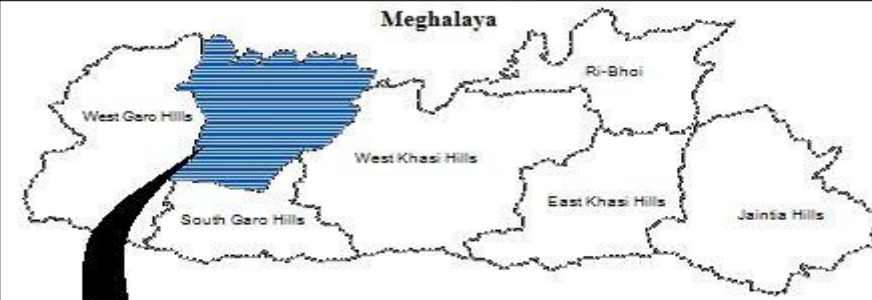
2010 – 2011

KHARKUTTA C. & R.D. BLOCK

EAST GARO HILLS DISTRICT

MEGHALAYA

Location Map



East Garo Hills



Dooargal-Cambora River

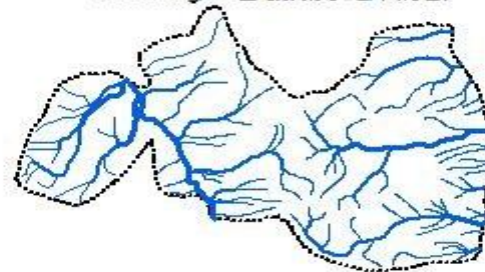


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SUMMARY

Name of the State	:	Meghalaya
Name of the District	:	East Garo Hills District
Name of the C&RD Block	:	Kharkutta C&RD Block
Name of the Villages	:	(1) Dobanggal, (2) Badaka, (3) Jugalpara, (4) Athiabari, (5) Rajasimla Mongsi, (6) Rongdal Attimbo, (7) Rajasimla Wari, (8) Rajasimla Songma, (9) Rajasimla Konchikol, (10) Rajasimla Reserve Gittim.
Name of the Project	:	East Garo Hills – IWMP – VI
Total Geographical Area	:	1652 Ha
Total Treatment Area	:	1000 Ha
Total Project Cost	:	150.00 lakhs
Project Duration	:	5 Years
Project Implementing Agency	:	Simsanggre Soil & Water Conservation Division, Williamnagar.

CHAPTER I

INTRODUCTION AND BACKGROUND

1.1 Project Background:

The Dobangal and Dambora (IWMP- VI) project is located in Kharkutta C&RD Block, East Garo Hills District of Meghalaya. Consisting of two micro-watershed, the project area is drained by the Dobangal and Dambora River and its tributaries flowing towards north direction. The total area is 1652 Ha. with 1000 Ha. to be treated under the Integrated Watershed Management Programme (IWMP).

The Project area is located at a distance of about 40 km from Adokgre S.C. Beat Office and about 125 km from Williamnagar the District Headquarter. A total of 10 Nos. villages are covered under the project. These are –

(1) Dobanggal, (2) Badaka, (3) Jugalpara, (4) Athiabari, (5) Rajasimla Mongsi, (6) Rongdal Attimbo, (7) Rajasimla Wari, (8) Rajasimla Songma, (9) Rajasimla Konchikol, (10) Rajasimla Reserve Gittim.

1.2 Micro-watershed Information:

The micro-watershed code is (1) Dobanggal 3B1C1b1c, (2) Dambora 3B1C1a4K as codified by the North East Space Application Centre (NESAC). The total area of the micro-watershed is 1652 Ha., with 1000 Ha. to be treated under the Integrated Watershed Management Programme (IWMP).

1.3 Need and Scope for Watershed Development:

The micro-watershed Dobangal and Dambora falls under the High Priority category as per the prioritization of watersheds by the North East Space Application Centre (NESAC). The 10 Nos. villages road connectivity by Kharkutta Road. The farmers are all marginal and 115 households are below the poverty line, which is 19.96% of the total households. Jhum cultivation is practiced by most of the inhabitants of these villages on the slopes.

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

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

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

- i. MGNREGS Convergence enclosed.

CHAPTER II

BASIC INFORMATION OF THE PROJECT AREA

2.1 Location:

The Project area is located within the area of Nokma A·khing popularly known as A·khing Land under Kharkutta C&RD Block of East Garo Hills District. It is situated at a distance of about 40 km from Adokgre SC Beat Office and about 125 km from Williamnagar the District Headquarter. The geographical location is between 90°54’-58°30’ Longitude and 25°52’-25°56’ Latitude. There are 10 Nos. villages within the Watershed which are as follows –

- (1) Dobanggal, (2) Badaka, (3) Jugalpara, (4) Athiabari, (5) Rajasimla Mongsi, (6) Rongdal Attimbo, (7) Rajasimla Wari, (8) Rajasimla Songma, (9) Rajasimla Konchikol, (10) Rajasimla Reserve Gittim.

At present, these 10 Nos. villages are not yet connected to any motorable road.

2.2 Physiography:

The physiography of the micro-watershed is highly undulating. The altitude ranges from a minimum of 70m to a high of 550 above mean sea level. In the lower reaches (valley lands) the slope ranges from 70m-90m however, in the middle and upper reaches it is greater than 90m and can reach up to 550.

Table 2.1: Physiographic details

Elevation (metres)	Slope Range (%)	Order of watershed Sub/Micro-watershed	Major streams	Topography
79m - 620	0% - 69%	Dobangal and Dambora Micro Watershed	Dobangal and Dambora	Undulating with moderate slope to steep slope.

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

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

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

1	2	3	4	5	6	7	8	9
Sl. No.	Names of State	Names of District	Names of Projects	Cause	Types of erosion	Area affected (ha)	Run-off (mm/ year)	Average soil loss (Tonnes/ ha/ year)
1	Meghalaya	East Garo Hills	East Garo Hills – IWMP - VI	Water erosion:				
				a	Sheet	1000 ha.	NA	NA
				b	Rill			
				c	Gully			
				Wind erosion		Nil	Nil	Nil

z

2.5 Climate: The area experience cold during winter and hot in summer.

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 Hypertermic Platue 70-550	1652 Ha	East Garo Hills	East Garo Hills – IWMP – VI	Loam, Clay loam.	1652 Ha	3355 mm	Betel nut	65
									Paddy	169
									Ginger	70
									Bay leaf	-
									Broom stick	-
									Black pepper	-
									Litchi	-
									Banana	-
									Pineapple	-
								Total		239

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

Table 2.4: Crop yield and production

Crops	Area (ha)	Average Yield (Qtl) per ha.	Total Production (Qtl.)
Paddy	169	19.36	3271.84
Millet	-	-	-
Soyabean	-	-	-
Yam	-	-	-
Ginger	70	56	3920
Tapioca	-	-	-
Betel nut	4	13.5	877.5
Betel leaf	-	-	-
Black Pepper	-	-	-
Oranges	-	-	-
Bay Leaf	-	-	-

2.7 Natural Vegetation: The tree species common to the watershed area includes – *Shorea robusta*, *Premna latiflora*, *Toona ciliata* and *Ficus spp.* However, due to jhum cultivation the forest cover of the area has reduced considerably.

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

Demographic Status: The total households in the watershed project is 576 Nos. with a total population of 3379, of which 1647 are male and 1732 are female. The detail of the household in each of the villages in the watershed project is as follows:

(1) Dobanggal	-	-	26 Nos.
(2) Badaka	-	-	114 nos.
(3) Jugalpara	-	-	32 Nos.
(4) Athiabari	-	-	55 Nos.
(5) Rajasimla Mongsi	-	-	41 Nos.
(6) Rongdal Attimbo	-	-	76 Nos.
(7) Rajasimla Wari	-	-	79 Nos.
(8) Rajasimla Songma-	-	-	60 Nos.
(9) Rajasimla Konchikol	-	-	76 Nos.
(10) Rajasimla Reserve Gittim			<u>17 Nos.</u>
			576 Nos.

Infrastructure facilities :

2.1.1 *Roads:* The Project area depends entirely on the kutchra road.

2.1.2 *School:* there are only 10 Nos. L.P Schools within the Project Area run by the Government and one Secondary School.

2.1.3 *Electricity :* Connections have been provided but some villages are yet to have electricity.

2.1.4 *Health :* One Community Health Centre at Rajasimla Konchikol.

2.1.5 *Water Supply :* Drinking water supply have been provided by the PHE Deptt. to the whole village. However, during lean season the entire population have to depend on springs available in the area as the supply is not sufficient to meet the daily requirement.

2.1.6 *Market :* Dobanggal Watershed has to proceed 5 Kms. Distance to the nearest weekly bazaar located at Adokgre while people from the Dambora Watershed has to proceed 3 Kms. Distance to the nearest bazaar called Kharkutta.

Table 2.5: Infrastructure Status.

1	2	3		4			
Name of District	Name of Project	Parameters:		Status			
East Garo Hills	East Garo Hills-IWMP-VI	(i)	No. of villages connected to the main road by an all-weather road. Nil	All villages are at 1 hr to 3 hrs walking from the motorable junction			
		(ii)	No. of village provided with electricity	10 nos. electrified.			
		(iii)	No. of households without access to drinking water	Nil but portable drinking water inadequate.			
		(iv)	No. of educational institutions: Primary (P)/ Secondary (S)/ Higher Secondary (HS)/ Vocational institution (VI)	(P)	(S)	(HS)	(VI)
				10 Nos.	1 No.	-	-
		(v)	No. of village with access to Primary Health Centre	6 Nos.			
		(vi)	No. of village with access Veterinary Dispensary	Nil			
		(vii)	No. of village with access Post Office	Nil			
		(viii)	No. of village with access Banks	Nil			
		(ix)	No. of village with access Markets/ mandis	Nil			
		(x)	No. of village with access Agro-Industries	Nil			
		(xi)	Total quantity of surplus milk	Nil			
		(xii)	No. of milk collection centres (e.g. Union (U)/ Society (S)/ Private agency (PA)/ Others (O))	(U)	(S)	(PA)	(O)
				Nil	Nil	Nil	Nil
		(xiii)	No. of villages with access to Aganwadi Centres	9 Nos.			
		(xiv)	Any other facilities with no. of villages (please specify)	Nil			

2.9 Livestock: there are only four kinds of livestock farming being farmed in the area viz. Piggery, Poultry, Goattery and Cattle rearing.

Table 2.6: Existing livestock population

Type of Animal	Population
Piggery	453 Nos.
Poultry	5200 Nos.
Goattery	98 Nos.
Cattle Rearing	922 Nos.
TOTAL :	6673 Nos.

2.10 Land ownership: There are primarily 2(two) types of land holding system, namely private lands (_____ i.e. individually owned land) and community lands (Aking land or Clan land).

Table 2.7: Land Holding:

1	2	3	4	5	6		
Name of District	Name of the Project	Types of Farmer	No. of households	No. of BPL households	Land holding (ha)		
					Irrigated	Rainfed	Total
East Garo Hills	East Garo Hills – IWMP-VI	(i) Large	-	-	-	-	-
		(ii) Small	-	-	-	-	-
		(iii) Marginal	283	-	-	283	283
		(iv) Landless	293	-	-	-	-
		Sub - Total	576	-	-	-	-

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)
East Garo Hills	East Garo Hills – IWMP-VI	(i) Wasteland/ degraded land					335			
		(ii) Pastures								
		(iii) Private Agriculture land	169			125				460
		(iv) Village woodlot				665				240
		(v) Forest				155				
		(vi) Village Ponds/ Tanks	5							
		(vii) Community Buildings				32				
		(viii) Weekly Markets								
		(ix) Permanent Markets								
		(x) Temples/ Places of worship				25				
		(xi) Others (Pl. specify)				650				300
		Total	174ha.			1652				1000 ha.

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

a) Built-up Area/Home Steeds	=	57	Ha
b) Water bodies-River/Stream-Perennial	=	102	Ha
c) Agricultural land-crop land-kharif crop	=	169	Ha
d) Tree clad Area-close	=	165	Ha
e) Tree clad Area-open	=	436	Ha
f) Wastelands-barren Rocky/Stony <u>waste</u>	=	723	<u>Ha</u>
Total	=	1652	Ha

2.12 Problems of the Area : In addition to scattering jhumming the project area experience erosion of paddy and orchard area. Arable land lacks irrigation facilities.

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
A.	Planning	
	Cluster approach	Yes
	Whether technical back-stopping for the project has been arranged? If yes, mention the name of the Institute.	Yes, NESAC, Nongsder
	Baseline survey	Yes
	Hydro-geological survey	No
	Contour mapping	No
	Participatory Net Planning (PNP)	No

1	2	3
	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

1	2	3
B.	Inputs	
	1. Bio-pesticides	No
	2. Organic manures	Yes
	3. Vermi-compost	Yes
	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, Williamnagar, East 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	
East Garo Hills	East Garo Hills – IWMP- VI	(i) Type of organization#	Government
		(ii) Name of organization	Simsanggre Soil & Water Conservation (T) Division, Williamnagar.
		(iii) Designation & Address	Divisional Soil & Water Conservation Officer, Simsanggre Division, Williamnagar.
		(iv) Telephone	03658-220228
		(v) Fax	Do
		(vi) E-mail	dswcosimsanggre@gmail.com

3.3 Institution Building

i) Watershed Committee (WC)

The 2(two) separate Watershed Committee has been constituted 1(one) for Dobangal Watershed and 1(one) for Dambora Watershed with the active involvement of villagers Watershed Committee is yet to be registered.

Table 3.2: Details of Watershed Committees (WC):

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Names of the Districts	Names of projects	Names of WCs	Date of Registration as a Society (dd/mm/yyyy)	Designation	M/F	SC	ST	SF	MF	LF	Land-less	UG	SHG	GP	Any other	Educational qualification	Function/s assigned#
East Garo Hills	East Garo Hills – IWMP-VI	Dobangaln & Dambora W/C		President	M	-	ST										Assigned for Project Implementation.
				Secretary	M	-	ST										
				Member	M/F	-	ST										
				Member	M/F	-	ST										
				Member	M/F	-	ST										

- A. PNP and PRA

C. Maintenance of Accounts

E. Supervision of construction activities

G. Verification & Measurement

I. Social Audit
- B. Planning

D. Signing of cheques and making payments

F. Cost Estimation

H. Record of labour employed

J. Any other (please specify).

ii) Self Help Group

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

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

1	2	3				4				5			6		
Names of the Districts	Names of projects	Total no. of registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category		
		With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total
East Garo Hills	EGH – IWMP-VI	-	11 Nos.	-	11 Nos.	(i) Landless		6	6		6	6		6	6
						(ii) SF									
						(iii) MF		105	105		105	105			
						(iv) LF									

iii) User Group

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

Table 3.4: User Group Details

1	2	3				4				5			6		
Names of Districts	Names of Projects	Total no. of Ugs				No. of members				No. of SC/ST in each category			No. of BPL in each category		
		Men	Women	Both	Total	Categories	M	F	Total	M	F	Total	M	F	Total
East Garo Hills	EGH – IWMP -VI	4	--	6	10	(i)Landless									
						(ii) SF									
						(iii) MF	43	4	47	47		47			
						(iv) LF									
Total		Nil	Nil	Nil	Nil				Nil			Nil			Nil

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 (in lakh)	Expenditure incurred	Balance	Expected outcome	Actual outcome
1	Meghalaya	East Garo Hills	East Garo Hills – IWMP-VI	6.00 Lakhs	Community Hall (2 Nos). R.C.C.Foot Brodge (2Nos.) Ringwell (2Nos.) Spring Chamber (1 No.). Repairing of Mothers Union Office. (1 No.)	2.0 2.28485 0.60 0.31515 0.80	6.0 lakhs	nil	Improvement of Basic Amenities	Improvement of Basic Amenities

ii) Other activities of Preparatory Phase:

1	2	3	4	5	6	7	8	9	10	11	12	13
District	Name of Projects	Initiation of village level institution	Capacity building	IEC activities	Baseline survey	Hydro-geological survey	Identifying technical support agencies	Resource agreements	Preparation of DPR	Evaluation of DPR	Any other (please specify)	Cost incurred (Rs. In lakh)
East Garo Hills	East Garo Hills-IWMP-VI		6 Nos.		Participatory Rural Appraisals	N.A	Done	Done	Done	Done	Institution & Capacity Building, DPR.	3.0

4.2 Watershed Works Phase:

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

1	2	3	4	5	6			7											
Sl. No	Nam e of State s	Name of Distri cts	Name of Projects	Type of structures	Pre Project			Proposed Project											
					No	Area irrigated (ha)	Storage capacity	Augmentation/ repair of existing structures				Construction of new structures				Total target			
								No	Area to be treated (ha)	Storage capacity	Estimated cost (in lakhs)	No	Area to be treated (ha)	Storage capacity (per unit)	Estimated cost (in lakhs)	No	Area to be treated (ha)	Storage capacity (m ³)	Estimated cost
1	Meghalaya	East Garo Hills	East Garo Hills – IWMP-VI	(i) Tank/ W/ Harvesting	-	-	-					5 Nos	78 ha.	-	7.098	5 Nos	78 ha.	-	7.098
				(ii) Pond	-	-	-					7 Nos	62 ha.	-	4.51	7 Nos	62 ha.	-	4.51
				(iii) Lake	-	-	-												
				(iv) Check Dam	-	-	-					4 Nos.	30 ha.	-	2.304	4 Nos.	30 ha.	-	2.304
				(v) Percolation Tank	-	-	-												
				(vi) R.C.C. Dam	-	-	-					1 No.	15 Ha.		3.232	1 No.	15 Ha.		3.232
				(vii) Any c.o. others dam (please etc. specify)								5	39 ha.	-	5.267	5	39 ha.	-	5.267
			Total								22	224 Ha.		22.411	22	224 Ha.		22.411	

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

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

1	2	3	4	5	6		7						8						9									
S. No.	Names of States	Names of Districts	Names of projects	Type of structures	Pre-project		Proposed target						Achievement due to project						Change in irrigated area (Col. 8-6) (ha)									
					No.	Area irrigated (ha)	Augmentation/ repair of existing recharging structures			Construction of new recharging structures			Total target		Augmentation/ repair of existing recharging structures			Construction of new recharging structures			Total achievement							
							No.	Area to be irrigated (ha)	Estimated cost	No.	Area to be irrigated (ha)	Estimated cost	Area to be irrigated (ha)	Estimated cost	No.	Area irrigated (ha)	Expendi- ture incurred	No		Area irrigated (ha)	Expendi- ture incurred	Area irrigated (ha)	Expendi- ture incurred					
	Meghalaya	East Garo Hills	EGH-IWMP-VI	(i)Open wells		Nil		Nil		Nil		Nil		Nil		Nil		Nil		Nil								
				(ii)Bore wells																								
				(iii)Any others (Pl. specify)																								
				Total for the project																								

4.2.3 Activities executed by User Groups in the Project Areas.

	2	3						
Names of Districts	Names of Projects	Major activities of the UGs –Targets				No. of UGs involved	Estimated Cost	Amount of WDF to be collected (Rs.)
		Structure/ activity proposed						
		Sl. No.	Type	No.#	Treatment (ha)			
East Garo Hills	East Garo Hills- IWMP-VI	1.	Water Harvesting	5nos.	78 ha.	5Nos.	7.098	35490
		2.	Irrigation dam	5nos.	39 ha.	5Nos.	5.267	26335

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.	Water Harvesting	5 Nos.	78 ha.	5 Nos.	7.098	-	4258		
2.	C.C.dam	5 Nos.	39 ha.	5 Nos.	5.267	-	3160		

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

1	2	3		
Names of the Districts	Names of projects	Major activities of the SHGs		
		Name of activity	No. of SHGs involved	Average annual income from activity per SHG
East Garo Hills	East Garo Hills – IWMP-VI	1. Tailoring		
		2. Basket Making		
		3. Stabilized Mud Block		
		4. Piggery Farming		
		5. Vermi Composting		
		6. Fruit Processing		
		7. Canes & Handicraft		

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

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

4.2.7 Other activities of watershed works phase:

1	2	3		4		5		6		7		8		9		10		11		12		13
District	Names of projects	Ridge area treatment/Improvement & Degraded Forest		Drainage line treatment		Nursery raising (Arecanut & Rubber)		Land development		Agro Horticulture/Crop		Arecanut Plantation/Pasture development		Veterinary livelihood		Production System.		Non-conventional energy		Any other (please specify)		Total cost incurred (Rs. In lakhs)
		(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	
EGH	East Garo Hills-IWMP-VI			28Nos/300ha.	28.818	100ha.	16.20	30ha.	6.0	90 Ha.	3.87	120 ha.	2.40	120 ha.	9.072	240 ha.	8.64	-	-	Livelihood, Production System	15 19.5	109.5 1000 ha.

4.2.8 Details of engineering structures in watershed works:

1	2	3	4			5			6	7				8							
District	Project	Name of structures	Type of treatment			Type of land			Executing agency	Target				Achievement							
			(i) Ridge area (R)	(ii) Drainage line (D)	(iii) Land Dev. (L)	(i) Private	(ii) Com- munity	(iii) Others (pl. specify)	(i) UG (ii)SHG (iii) Others (pl. specify)	No. of units (No./ cum./ rmt)	Estimated cost (Rs. in lakh)				No. of units (No./ cu.m./ rmt)	Expenditure incurred (Rs. in lakh)				Status of completion	Actual month & year of completion (mm/yyyy)
											M	W	O	T		M	W	O	T		
East Garo Hills	EGH-IWMP-VI	Staggered trenching																			
		Loose boulder Contour bund	R	-	-	Private	-	-	Benefi- ciary							-	-	-	-	-	-
		Graded bunding																			
		Bench terracing				Private			30	30	6.00										
		Earthen checks dams				-do-			4c	7	4.51										
		Farm Pond																			
		Masonary Protection Wall				-do-			4c	3	3.756										
		Gully plug Check dam				-do-			4c	4	2.378										
		Water Harvesting				-do-			4c	5	7.098										
		C.C. Irrigation				-do-			4c	5	5.267										
		Boulder Sausage				-do-			4c	2	1.6257										
		Any others (pl. specify) R.C.C. dam.				-do-			4c	1	3.232										

Contd.

4.2.9 Details of engineering structures in watershed works.

9																	
Outcomes																	
Reduction in run off (cu.m)	Area treated# (ha)	Water level (m)		Production (quintal)		Income (Rs.)		Mandays generated					No. of beneficiaries				
								SC	ST	Others (Men)	Women	Total	SC	ST	Others	Women	Total
		Pre-project	Post project	Pre-project	Post project	Pre-project	Post project										
				15 qtl.	30 qtl.	0.15	0.30		23290		2329	23290		576	-		576

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

1	2	3	4			5			6	7				8			
District	Project	Name of structure/ work	Type of treatment			Type of land			Executing agency	Target				Achievement			
			(i) Ridge area (R)	(ii) Drainage line (D)	(iii) Land dev. (L)	(i) Private	(ii) Commun ity	(iii) Others (pl. specify)		Area (ha)	No. of plants	Estimated cost (Rs. in lakh)	Expected month & year of completion (mm/ yyyy)	Area (ha)	No. of plants	Expenditure incurred (Rs. in lakh)	Actual month & year of completion (mm/ yyyy)
East Garo Hills	East Garo Hills- IWMP-VI	Afforestation								240		8.64					
		Regeneration				✓								-	-	-	-
		Agro-forestry					✓							-	-	-	-
		Rubber															
		Arecanut								120ha.		9.072					
		Agro- Horticulture				✓				120ha		2.40		-	-	-	-
		Pasture dev.															
		Nursery raising								100ha		16.20					
		Others (Coffee)				✓								-	-	-	-

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

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

9														
Outcomes														
Reduction in run off (cu.m)	Production (quintal)		Income (Rs.)		Mandays generated					No. of beneficiaries				
	Pre-project	Post project	Pre-project	Post project	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total
								518	518					
						5184			5184		576			576
		1500 kg/h.		144.0		5400		540	5400					
				96.0		5443		544	544.3					
						1440								
						9720		972	9720					

4.2.12 Details of allied / other activities:

1	2	3	4			5	6		7	
District	Project	Name of activity@	Type of land			Executing agency	Target		Achievement	
			(i) Private	(ii) Community	(iii) Others (landless)	(i) UG (ii) SHG (iii) Others (pl. specify)	Estimated cost (Rs. in lakh)	Expected month & year of completion (mm/yyyy)	Expenditure incurred (Rs. in lakh)	Actual month & year of completion (mm/yyyy)
East Garo Hills	East Garo Hills – IWMP-VI	Tailoring	Pvt.				5.12			
		Carpentry/ Agri-implements	-do-				1.60			
		Pisciculture	-do-				1.40			
		Kitchen Gardening	-do-				0.40			
		Weaving	-do-				2.00			
		Piggery Farming	-do-				4.48			
		For Group/ SHG								
		Piggery		Comty.			7.20			
		Pisciculture		-do-			0.60			
		Weaving		-do-			3.60			
		Rice Mill		-do-			6.00			
		Ginger / Turmeric.		-do-			2.10			

(Contd.)

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

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

4.2.13 Details of allied / other activities:

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

4.3 Consolidation and withdrawal phase

Details of activities in the CPRs in the project areas:

1	2	3	4	5	6				7						
Names of the Districts	Names of projects	Name(s) of the villages	CPR particulars	Activity proposed	Target				Achievement						
					Target area under the activity (ha)	Estimated expenditure (Rs.)	Expected no. of beneficiaries	Estimated contribution to WDF (Rs.)	Area treated under the activity (ha)	Expenditure incurred (Rs.)	Actual no. of beneficiaries	No. of mandays			WDF collected (Rs.)
												SC	ST	F	
East Garo Hills	East Garo Hills-IWMP-VI														
		1. Dobangal													
		2. Badaka													
		3. Jugalpara													
		4. Athiabari													
		5. R/Mongsi													
		6. Rongdal Atimbo													
		7. R/wari													
		8. R/songma													
		9. R/Konchikol													
		10. R/Reservegittim													

CHAPTER - V

PROJECT PHASING & BUDGETING

ACTION PLAN OF DOBANGAL WATERSHED UNDER IWMP - VI, SIMSANGGRE SOIL & WATER CONSERVATION DIVISION, WILLIAMNAGAR.

Name of District : East Garo Hills

No. of Villages - 4 Nos.

Name of C & R.D. Block : KHARKUTTA

Project Area - 500 Ha.

Sl. No	Activities	I st Year				Co-ordinates	II nd Year				Co-ordinates	III rd Year				Co-ordinates	IV th Year				V th Year				Total				
		C.S.		S.S.			C.S.		S.S.			C.S.		S.S.			C.S.		S.S.		C.S.		S.S.		C.S.		S.S.		
		Phy	Fin	Phy	Fin		Phy	Fin	Phy	Fin		Phy	Fin	Phy	Fin		Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
I	MANAGEMENT COST:																												
A.	Administrative cost:																												
i.	Honourarium of WDT Members @ Rs. 8000/ month – 1 no. X 18 month.							0.48					0.48					0.48								0	1.44	0	0
ii.	Hon ^{rm} of Watershed Volunteers @ Rs. 2500/- month – 3 nos.												0.3													0	0.3	0	0
iii.	Hon ^{rm} WCO's @ Rs.1000/month x 18 months												0.18													0	0.18	0	0
iv.	Hon ^{rm} WCM @ Rs.200 x 11 Nos. members/ month for 36 months							0.264					0.264					0.264								0	0.792	0	0
v	Hon ^{rm} Office assistance @Rs.5000/month x 18 months.												0.9													0	0.9	0	0
vi	Hon ^{rm} Chartered Accountant							0.1					0.1					0.2								0	0.4	0	0
vii	TA/DA of Field Asstt. @ 5000/ month.												0.3													0	0.3	0	0
viii	Hiring charges of office building @ 1500/-							0.18					0.18					0.18								0	0.54	0	0
ix.	Hiring charges of vehicle @ 5000/month.							0.1					0.25					0.2								0	0.55	0	0
x	Office expenses, POL, Stationeries, printing of SHG's books, pamphlets, tea, snacks etc, cost of camera.							0.376					0.796					0.926								0	2.098	0	0
	Total of A:							1.5	0	0	0	0	3.75	0	0	0	0	2.25	0	0	0	0	0	0	0	0	7.5	0	0

iii.	Exposure visits – off. Campus			1	0.15		1	0.15								1	0.15							2	0.3	1	0.15
iv.	Capacity building of SHG's/ UG's.								5	0.5		5	0.5											5	0.5	5	0.5
v.	Capacity building of WC Members.	4	0.3						4	0.3							2	0.3						6	0.6	4	0.3
vi.	Capacity of WDT/WV	4	0.3				4	0.3									2	0.3						10	0.9	0	0
	Total of C:	8	0.6	1	0.15	0	5	0.45	10	1.05	0	6	0.75	0	0	0	5	0.75	0	0	0	0	0	24	2.55	11	1.2
D.	Detailed Project Report:																							0	0	0	0
i.	Cost of Resources Inventories works		0.13																					0	0.125	0	0
ii.	Cost of PRA Exercises		0.1		0.15																			0	0.1	0	0.15
iii.	Cost of Land use Survey works		0.13																					0	0.125	0	0
iv.	Cost of formulating		0.25																					0	0.25	0	0
	Total of D:		0.6	0	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.6	0	0.15
E.	Monitoring & Evaluation:																							0	0	0	0
i.	Cost of Honorarium to evaluator.							0.15					0.375					0.225						0	0.75	0	0
ii.	Cost of printing report etc.							0.225					0.375					0.15						0	0.75	0	0
	Total of E:							0.375	0	0	0	0	0.75	0	0	0	0	0.375	0	0	0	0	0	0	1.5	0	0
	Total of I (A to E)	11	3.9	2	0.6	0	5	2.325	10	1.05	0	6	5.25	0	0	0	5	3.375	0	0	0	0	0	27	14.85	12	1.65
II	PROJECT COST/WATERSHED WORKS PHASE :																							0	0	0	0
A.	Arable Land Treatment:						HA.		HA.			HA.		HA.			HA.		HA.					0	0	0	0
	DOBANGAL WATERSHED DOBANGAL 1. Bench terance @ Rs. 20000/-						5	1				2	0.4											7	1.4	0	0
	2. Improvement of exsisting Paddy field @ Rs. 4300/- ha						1	0.043																1	0.043	0	0
	3. Agro Horticulture Planting Materials @Rs.2000/-											5	0.1											5	0.1	0	0

	BADAKA 1. Bench Tarance @Rs. 20000/-																3	0.6								3	0.6	0	0
	2. Improvement of exsisting Paddy field @ Rs. 4300/- ha						4	0.172				15	0.645				5	0.215								24	1.032	0	0
	3. Agro Horticulture Planting Materials @Rs.2000/-						4	0.08				15	0.3													19	0.38	0	0
	JUGALPARA 1. Bench Tarance @Rs. 20000/-											5	1													5	1	0	0
	2. Improvement of exsisting Paddy field @ Rs. 4300/- ha						3	0.129																		3	0.129	0	0
	3. Agro Horticulture Planting Materials @Rs.2000/-						3	0.06				20	0.4													23	0.46	0	0
	ATHIABARI 1. Bench Tarance @Rs. 20000/-																									0	0	0	0
	2. Improvement of exsisting Paddy field @ Rs. 4300/- ha						2	0.086				15	0.645													17	0.731	0	0
	3. Agro Horticulture Planting Materials @Rs.2000/-						3	0.06								10	0.2									13	0.26	0	0
	Total of A :						25 ha	1.63	0	0	0	77 ha	3.49	0	0	0	18 ha.	1.015	0	0	0	0	0	0	0	120 ha.	6.135	0	0
B.	Non- Arable Land Treatment:																									0	0	0	0
	DOBANGGAL WATERSHED						HA.		HA.			HA.		HA.			HA.		HA.							0	0	0	0
	DOBABGGAL 1. Rubber Nursary @ Rs. 25 /- plant.						1125 2.5ha	0.2813				900 2ha	0.225													0	0.50625	0	0
	2. Arecanut nursary @ Rs. 6/- plan											5000 0.83ha	0.3													0	0.3	0	0
	3.Arecanut Plantation @ Rs. 7560/- ha															5ha	0.378									0	0.378	0	0
	4. Improvement of degraded forest. Preliminary & 1st year. @Rs.2600/-						20 ha.	0.52				60 ha	1.56													0	2.08	0	0
	2nd year @Rs.1000/-												0.2					0.6								0	0.8	0	0

BADAKA	1. Rubber Nursary @ Rs. 25 /- plant.					1125 2.5ha	0.2813				360 8ha	0.9				1800 4ha	0.45								0	1.63125	0	0	
	2. Arecanut nursary @ Rs. 6/- plan					10000 1.66ha	0.6				10000 1.67ha	0.6													0	1.2	0	0	
	3.Arecanut Plantation @ Rs. 7560/- ha										10ha	0.756				10ha	0.756								0	1.512	0	0	
	4. Improvement of degraded forest. Preliminary & 1st year. @Rs.2600/-										40 ha.	1.04													0	1.04	0	0	
	2nd year @Rs.1000/-																0.4									0	0.4	0	0
JEGALPARA	1. Rubber Nursary @ Rs. 25 /- plant.					1125 2.5ha	0.2813				1800 4ha	0.45				1350 3ha	0.3375									0	1.06875	0	0
	2. Arecanut nursary @ Rs. 6/- plan					10000 1.67ha	0.6				5000 0.83ha	0.3														0	0.9	0	0
	3.Arecanut Plantation @ Rs. 7560/- ha										10ha	0.756				5ha	0.378									0	1.134	0	0
	4. Improvement of degraded forest. Preliminary & 1st year. @Rs.2600/-																									0	0	0	0
	2nd year @Rs.1000/-																									0	0	0	0
ATHIBARI	1. Rubber Nursary @ Rs. 25 /- plant.					1125 2.5ha	0.2813				2700 6ha	0.675				1350 3ha	0.3375									0	1.29375	0	0
	2. Arecanut nursary @ Rs. 6/- plan					10000 1.67 ha	0.6				10000 1.67ha	0.6														0	1.2	0	0
	3.Arecanut Plantation @ Rs. 7560/- ha										10ha	0.756				10ha	0.756									0	1.512	0	0
	4. Improvement of degraded forest. Preliminary & 1st year. @Rs.2600/-																									0	0	0	0
	2nd year @Rs.1000/-																									0	0	0	0
Total of B:						35 ha.	3.445	0	0	0	155 ha.	9.118	0	0	0	40 ha.	4.393	0	0	0	0	0	0	230 ha.	16.956	0	0		

	ATHIABARI																								0	0	0	0
	1. Tailoring @ Rs 8000/- unit										3	0.24				3	0.24	2	0.16					6	0.48	2	0.16	
	2. Carpentry @ Rs 5000/- Unit										2	0.1				1	0.05	1	0.05					3	0.15	1	0.05	
	3. Piggery @ Rs. 8000/- unit						1	0.08				1	0.08				2	0.16	3	0.24					4	0.32	3	0.24
	4. Pisciculture @Rs.10000/- unit.															1	0.1	1	0.1					1	0.1	1	0.1	
	5. Kitchen Garding @ Rs 2500/- Unit						1	0.025																1	0.025	0	0	
	6. Weaving @Rs.12500/- unit.										1	0.125						1	0.125					1	0.125	1	0.125	
	Total of D:						13	0.75	0	0	0	29	2.25	0	0	0	28	2.25	29	2.25	0	0	0	0	70	5.25	29	2.25
E.	Production System and Micro Enterprises (SHG's/Groups) :																								0	0	0	0
	DOBANGGAL WATERSHED						Unit		Unit			Unit				Unit		Unit							0	0	0	0
	DOBANGGAL																								0	0	0	0
	1. Piggery @Rs. 30000/- unit.												1	0.3											0	0	1	0.3
	2. Pisciculture @Rs. 30000/- unit.																								0	0	0	0
	3. Weaving @Rs. 30000/- unit.																								0	0	0	0
	4. Rice Mill @Rs.50000/- unit.																								0	0	0	0
	5. Ginger / Turmaric Plantation @Rs.15000/- unit.						1	0.15																	1	0.15	0	0
	BADAKKA																								0	0	0	0
	1. Piggery @Rs. 30000/- unit.						1	0.3						2	0.6		2	0.6							3	0.9	2	0.6
	2. Pisciculture @Rs. 30000/- unit.													1	0.3										0	0	1	0.3
	3. Weaving @Rs. 30000/- unit.													2	0.6										0	0	2	0.6
	4. Rice Mill @Rs.50000/- unit.																2	1							2	1	0	0
	5. Ginger / Turmaric Plantation @Rs.15000/- unit.																2	0.3							2	0.3	0	0

	JUGALPARA																												0	0	0	0
	1. Piggery @Rs. 30000/- unit.												2	0.6			2	0.6									2	0.6	2	0.6		
	2. Pisciculture @Rs. 30000/- unit.																										0	0	0	0		
	3. Weaving @Rs. 30000/- unit.						1	0.3					1	0.3													1	0.3	1	0.3		
	4. Rice Mill @Rs.50000/- unit.																2	1									2	1	0	0		
	5. Ginger / Turmaric Plantation @Rs.15000/- unit.																	1	0.15									1	0.15	0	0	
	ATHIABARI																												0	0	0	0
	1. Piggery @Rs. 30000/- unit.													1	0.3			1	0.3									1	0.3	1	0.3	
	2. Pisciculture @Rs. 30000/- unit.																											0	0	0	0	
	3. Weaving @Rs. 30000/- unit.													2	0.6													0	0	2	0.6	
	4. Rice Mill @Rs.50000/- unit.																	2	1									2	1	0	0	
	5. Ginger / Turmaric Plantation @Rs.15000/- unit.													1	0.15			2	0.3									2	0.3	1	0.15	
	Total of E :						3	0.75	0	0	0	0	0	13	3.75	0	16	5.25	0	0	0	0	0	0	0	19	6	13	3.75			

1. Piggery @Rs. 30000/- unit.

2. Pisciculture @Rs. 30000/- unit.

3. Weaving @Rs. 30000/- unit.

4. Rice Mill @Rs.50000/- unit.

5. Ginger / Turmaric Plantation
@Rs.15000/- unit.

ATHIABARI

1. Piggery @Rs. 30000/- unit.

2. Pisciculture @Rs. 30000/- unit.

3. Weaving @Rs. 30000/- unit.

4. Rice Mill @Rs.50000/- unit.

5. Ginger / Turmaric Plantation
@Rs.15000/- unit.

Total of E :

F.	Consolidation & Exit Phase:																									0	0	0	0		
i.	Repairs, Maintenance of CPR's.																								1.5			0	1.5	0	0
ii.	Improving the sustainability of various Interventions																								1			0	1	0	0
iii.	Documentation of successful experiences & Preparation of Completion Report																								0.875		0.4	0	0.875	0	0.375
	Total of F:																								3.375	0	0.4	0	3.375	0	0.375
	Total of II (A+B+C+D+E+F)	0	0	0	0	0	16	7.125	0	0	0	29	28.5	13	3.75	0	44	13.125	29	2.25	0	3.375	0	0.4	89	52.125	42	6.375			
	Grand Total (I + II)		3.9		0.6	0	70 ha	9.45	0	1.05	0	365 ha.	33.75	0	3.75	0	65 ha	16.5	0	2.25	0	3.375	0	0.4	500 ha.	66.975	0	8.025			

CONVERGENCE OF EGH - IWMP PROJECT - VI WITH NREGS

DOBANGGAL WATERSHED, KHARKUTTA C.&R.D. BLOCK

Agro - Horti Norms for NREGS

Sl. No.	Location & Activities	2nd year of IWMP		1st Year of NREGS		3rd Year of IWMP		2nd Year of NREGS		4th Year of IWMP		3rd Year of NREGS		5th Year of IWMP		4th Year of NREGS		TOTAL (IWMP)		TOTAL (NREGS)	
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	Dobanggal	Ha.		Ha.		Ha.		Ha.		Ha.		Ha.		Ha.		Ha.		Ha.		Ha.	
	Agro - Horti. Planting materials @Rs.2000/per ha.					5	0.1											5	0.1	0	0
	Preliminary 1st year plantation @Rs.3900/- per ha.								0.195									0	0	0	0.195
	2nd Year Maintenace @Rs.2700/- per ha.											(M)	0.135					0	0	0	0.135
	Badaka																	0	0	0	0
	Agro - Horti. Planting materials @Rs.2000/- per ha.	4	0.08			15	0.3											19	0.38	0	0
	Preliminary 1st year plantation @Rs.3900/- per ha.				0.156				0.585									0	0	0	0.741
	2nd Year Maintenace @Rs.2700/- per ha.							(M)	0.108			(M)	0.405					0	0	0	0.513

	Jugalpara																	0	0	0	0
	Agro - Horti. Planting materials @Rs.2000/- per ha.	3	0.06			20	0.4											23	0.46	0	0
	Preliminary 1st year plantation @Rs.3900/- per ha.				0.117				0.78									0	0	0	0.897
	2nd Year Maintenace @Rs.2700/- per ha.							(M)	0.081			(M)	0.54					0	0	0	0.621
	Athiabari																	0	0	0	0
	Agro - Horti. Planting materials @Rs.2000/- per ha.	3	0.06							10	0.2							13	0.26	0	0
	Preliminary 1st year plantation @Rs.3900/- per ha.				0.117								0.39					0	0	0	0.507
	2nd Year Maintenace @Rs.2700/- per ha.							(M)	0.081							(M)	0.27	0	0	0	0.351
	TOTAL	10	0.2	0	0.39	40	0.8	0	1.83	10	0.2	0	1.47	0	0	0	0.27	60	1.2	0	3.96

CONVERGENCE OF EGH-IWMP PROJECT - VI WITH NREGS
DOBANGAL WATERSHED, KHARKUTTA C.&R.D. BLOCK
Rubber Plantation Norms for NREGS

Location & Activities	Ha./ Nos.	2nd year of IWMP		1st Year of NREGS		3rd Year of IWMP		2nd Year of NREGS		4th Year of IWMP		3rd Year of NREGS		5th Year of IWMP		4th Year of NREGS		TOTAL (IWMP)		TOTAL (NREGS)	
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Dobangal																					
Creation of Rubber Nusery (Polybag) @Rs.25/- per plant.	No.	1125 nos.	0.2813			900 nos.	0.225											2025 nos.	0.506	0	0
	Ha.	2.5				2												4.5	0	0	0
Preliminary 1st year plantation @Rs.15760/- per ha. (Material Component)	Ha.				0.394				0.3152									0	0	0	0.7092
Preliminary & 1st Year Wage Component @Rs.51100/-	Ha.				1.2775				1.022									0	0	0	2.2995
2nd Year Maintenace @Rs.1000/- per ha.	Ha.							(M)	0.025			(M)	0.02					0	0	0	0.045
2nd Year Wage Component. @Rs.35910/-	Ha.							(M)	0.89775			(M)	0.7182					0	0	0	1.61595
Badaka																		0	0	0	0
Creation of Rubber Nusery (Polybag) @Rs.25/- per plant.	No.	1125 nos.	0.2813			3600 nos.	0.9			1800 nos.	0.45							6525 nos.	1.631	0	0
	Ha.	2.5				8				4								14.5	0	0	0

Preliminary 1st year plantation @Rs.15760/- per ha. (Material Component)	Ha.				0.394				1.2608				0.6304					0	0	0	2.2852
Preliminary & 1st Year Wage Component @Rs.51100/-	Ha.				1.2775				4.088				2.044					0	0	0	7.4095
2nd Year Maintenace @Rs.1000/- per ha.	Ha.							(M)	0.025			(M)	0.08			(M)	0.04	0	0	0	0.145
2nd Year Wage Component. @Rs.35910/-	Ha.							(M)	0.89775			(M)	2.8728			(M)	1.4364	0	0	0	5.20695
Jugalpara																		0	0	0	0
Creation of Rubber Nusery (Polybag) @Rs.25/- per plant.	No.	1125 nos.	0.2813			1800 nos.	0.45			1350 nos.	0.3375							3600 nos.	1.069	0	0
	Ha.	2.5				4				3								9.5	0	0	0
Preliminary 1st year plantation @Rs.15760/- per ha. (Material Component)	Ha.				0.394				0.6304				0.4728					0	0	0	1.4972
Preliminary & 1st Year Wage Component @Rs.51100/-	Ha.				1.2775				2.044				1.533					0	0	0	4.8545
2nd Year Maintenace @Rs.1000/- per ha.	Ha.							(M)	0.025			(M)	0.04			(M)	0.03	0	0	0	0.095
2nd Year Wage Component. @Rs.35910/-	Ha.							(M)	0.89775			(M)	1.4364			(M)	1.0773	0	0	0	3.41145
Athiabari																		0	0	0	0
Creation of Rubber Nusery (Polybag) @Rs.25/- per plant.	No.	1125 nos.	0.2813			2700 nos.	0.675			1350 nos.	0.3375							5175 nos.	1.294	0	0
	Ha.	2.5				6				3								11.5	0	0	0

Preliminary 1st year plantation @Rs.15760/- per ha. (Material Component)	Ha.				0.394				0.9456				0.4728					0	0	0	1.8124
Preliminary & 1st Year Wage Component @Rs.51100/-	Ha.				1.2775				3.066				1.533					0	0	0	5.8765
2nd Year Maintenace @Rs.1000/- per ha.	Ha.							(M)	0.025			(M)	0.06			(M)	0.03	0	0	0	0.115
2nd Year Wage Component. @Rs.35910/-	Ha.							(M)	0.89775			(M)	2.1546			(M)	1.0773	0	0	0	4.12965
TOTAL		10	1.125	0	6.686	20	2.25	0	17.063	10	1.125	0	14.068	0	0	0	3.691	40	4.5	0	41.508

CHAPTER - V

PROJECT PHASING & BUDGETING

ACTION PLAN OF DAMBORA WATERSHED UNDER IWMP - VI, SIMSANGGRE SOIL & WATER CONSERVATION DIVISION, WILLIAMNAGAR.

Name of District : East Garo Hills

No. of Villages - 6 Nos.

Name of C & R.D. Block : KHARKUTTA

Project Area - 500 Ha.

Sl. No	Activities	I st Year				Co-ordinates	II nd Year				Co-ordinates	III rd Year				Co-ordinates	IV th Year				V th Year				Total			
		C.S.		S.S.			C.S.		S.S.			C.S.		S.S.			C.S.		S.S.		C.S.		S.S.		C.S.		S.S.	
		Phy	Fin	Phy	Fin		Phy	Fin	Phy	Fin		Phy	Fin	Phy	Fin		Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
I	MANAGEMENT COST:																											
A.	Administrative cost:																											
i.	Honourarium of WDT Members @ Rs. 8000/ month – 1 no. X 18 month.							0.48					0.48					0.48							0	1.44	0	0
ii.	Hon ^{rm} of Watershed Volunteers @ Rs. 2500/- month – 3 nos.												0.3												0	0.3	0	0
iii.	Hon ^{rm} WCO's @ Rs.1000/month x 18 months												0.18												0	0.18	0	0
iv.	Hon ^{rm} WCM @ Rs.200 x 11 Nos. members/ month for 36 months							0.264					0.264					0.264							0	0.792	0	0
v	Hon ^{rm} Office assistance @Rs.5000/month x 18 months.												0.9												0	0.9	0	0
vi	Hon ^{rm} Chartered Accountant							0.1					0.1					0.2							0	0.4	0	0
vii	TA/DA of Field Asstt. @ 5000/ month.												0.3												0	0.3	0	0
viii	Hiring charges of office building @ 1500/-							0.18					0.18					0.18							0	0.54	0	0
ix.	Hiring charges of vehicle @ 5000/month.							0.1					0.25					0.2							0	0.55	0	0
x	Office expenses, POL, Stationeries, printing of SHG's books, pamphlets, tea, snacks etc, cost of camera.							0.376					0.796					0.926							0	2.098	0	0
	Total of A:							1.5	0	0	0	0	3.75	0	0	0	0	2.25	0	0	0	0	0	0	0	7.5	0	0

	RAJASIMLA KONCHOKOL 1. Bench Tarance @Rs. 20000/-										1ha	0.2												0	0.2	0	0
	2. Improvement of exsisting Paddy field @ Rs. 4300/- ha						5ha	0.215				15ha	0.645											0	0.86	0	0
	3. Agro Horticulture Planting Materials @Rs.2000/-						2ha	0.04				8ha	0.16				2ha	0.04						0	0.24	0	0
	RAJASIMLA RESERVE GITTIM 1. Bench Tarance @Rs. 20000/-																							0	0	0	0
	2. Improvement of exsisting Paddy field @ Rs. 4300/- ha																5ha	0.215						0	0.215	0	0
	3. Agro Horticulture Planting Materials @Rs.2000/-						1ha	0.02				2ha	0.04				1ha	0.02						0	0.08	0	0
	Total of A :						25 ha	1.63				77 ha.	3.49				18 ha.	1.015						120 ha.	6.135	0	0
B.	Non- Arable Land Treatment:																							0	0	0	0
	DAMBORA WATERSHED																							0	0	0	0
	RAJASIMLA MONGSI 1. Rubber Nursary @ Rs. 25 /- plant.						2700 6ha	0.675																0	0.675	0	0
	2. Arecanut nursary @ Rs. 6/- plan						5000 0.83ha.	0.3				5000 0.84ha.	0.3											0	0.6	0	0
	3.Arecanut Plantation @ Rs. 7560/- ha											5ha	0.378				5ha	0.378						0	0.756	0	0
	4. Improvement of degraded forest. Preliminary & 1st year. @Rs.2600/-											40ha	1.04											0	1.04	0	0
	2nd year @Rs.1000/-																	0.4						0	0.4	0	0
	RONGDAL ATTIMBO 1. Rubber Nursary @ Rs. 25 /- plant.											3600 8ha	0.9											0	0.9	0	0
	2. Arecanut nursary @ Rs. 6/- plan						5000 0.83ha.	0.3				5000 0.84ha.	0.3											0	0.6	0	0
	3.Arecanut Plantation @ Rs. 7560/- ha											5ha	0.378				5ha	0.378						0	0.756	0	0
	4. Improvement of degraded forest. Preliminary & 1st year. @Rs.2600/-						20 ha	0.52				60 ha.	1.56											0	2.08	0	0
	2nd year @Rs.1000/-												0.2					0.6						0	0.8	0	0
	RAJASIMLA WARI 1. Rubber Nursary @ Rs. 25 /- plant.											3600 8ha	0.9											0	0.9	0	0
	2. Arecanut nursary @ Rs. 6/- plan						5000 0.83ha	0.3				5000 0.83ha.	0.3											0	0.6	0	0

	3.Arecanut Plantation @ Rs. 7560/- ha											5ha	0.378				5ha	0.378							0	0.756	0	0
	4. Improvement of degraded forest. Preliminary & 1st year. @Rs.2600/-																								0	0	0	0
	2nd year @Rs.1000/-																								0	0	0	0
	RAJASIMLA SONGMA 1. Rubber Nursary @ Rs. 25 /- plant.											1800 4ha	0.45				1800 4ha	0.45							0	0.9	0	0
	2. Arecanut nursary @ Rs. 6/- plan						5000 0.83ha	0.3				500 0.83ha	0.3												0	0.6	0	0
	3.Arecanut Plantation @ Rs. 7560/- ha											5ha	0.378				5ha	0.378							0	0.756	0	0
	4. Improvement of degraded forest. Preliminary & 1st year. @Rs.2600/-																								0	0	0	0
	2nd year @Rs.1000/-																								0	0	0	0
	RAJASIMLA KONCHIKOL 1. Rubber Nursary @ Rs. 25 /- plant.																2700 6ha	0.675							0	0.675	0	0
	2. Arecanut nursary @ Rs. 6/- plan						5000 0.84ha	0.3				500 0.83ha	0.3												0	0.6	0	0
	3.Arecanut Plantation @ Rs. 7560/- ha											5ha	0.378				5ha	0.378							0	0.756	0	0
	4. Improvement of degraded forest. Preliminary & 1st year. @Rs.2600/-																								0	0	0	0
	2nd year @Rs.1000/-																								0	0	0	0
	RAJASIMLA RESERVE GITTIM 1. Rubber Nursary @ Rs. 25 /- plant.						1800 4ha	0.45																	0	0.45	0	0
	2. Arecanut nursary @ Rs. 6/- plan						5000 0.84ha.	0.3				5000 0.83ha.	0.3												0	0.6	0	0
	3.Arecanut Plantation @ Rs. 7560/- ha											5ha	0.378				5ha	0.378							0	0.756	0	0

	3. Piggery @ Rs. 8000/- unit						1	0.08				1	0.08				2	0.16	1	0.08					4	0.32	1	0.08
	4. Pisciculture @Rs.10000/- unit.											1	0.1												1	0.1	0	0
	5. Kitchen Garding @ Rs 2500/- Unit						1	0.025																	1	0.025	0	0
	6. Weaving @Rs.12500/- unit.																1	0.125							1	0.125	0	0
	RAJASIMLA RESERVE GITTIM																								0	0	0	0
	1. Tailoring @ Rs 8000/- unit											1	0.08				2	0.16	2	0.16					3	0.24	2	0.16
	2. Carpentry @ Rs 5000/- Unit						1	0.05				1	0.05						1	0.05					2	0.1	1	0.05
	3. Piggery @ Rs. 8000/- unit											1	0.08				2	0.16	1	0.08					3	0.24	1	0.08
	4. Pisciculture @Rs.10000/- unit.						1	0.1																	1	0.1	0	0
	5. Kitchen Garding @ Rs 2500/- Unit																								0	0	0	0
	6. Weaving @Rs.12500/- unit.											1	0.125						1	0.125					1	0.125	1	0.125
	Total of D:						13	0.75	0	0	0	29	2.25	0	0	0	28	2.25	29	2.25	0	0	0	0	70	5.25	29	2.25
E.	Production System and Micro Enterprises (SHG's/Groups) :																								0	0	0	0
	DAMBORA WATERSHED						Unit		Unit			Unit		Unit			Unit		Unit						0	0	0	0
	RAJASIMLA MONGSI																								0	0	0	0
	1. Piggery @Rs. 30000/- unit.													1	0.3		1	0.3							1	0.3	1	0.3
	2. Pisciculture @Rs. 30000/- unit.																								0	0	0	0
	3. Weaving @Rs. 30000/- unit.													1	0.3										0	0	1	0.3
	4. Rice Mill @Rs.50000/- unit.																1	0.5							1	0.5	0	0
	5. Ginger / Turmaric Plantation @Rs.15000/- unit.						1	0.15									2	0.3							3	0.45	0	0
	RONGDAL ATIIMBO																								0	0	0	0
	1. Piggery @Rs. 30000/- unit.						1	0.3						1	0.3		1	0.3							2	0.6	1	0.3
	2. Pisciculture @Rs. 30000/- unit.																								0	0	0	0

	3. Weaving @Rs. 30000/- unit.													1	0.3										0	0	1	0.3
	4. Rice Mill @Rs.50000/- unit.																1	0.5							1	0.5	0	0
	5. Ginger / Turmaric Plantation @Rs.15000/- unit.													1	0.15		1	0.15							1	0.15	1	0.15
	RAJASIMLA WARI																								0	0	0	0
	1. Piggery @Rs. 30000/- unit.													1	0.3		1	0.3							1	0.3	1	0.3
	2. Pisciculture @Rs. 30000/- unit.																								0	0	0	0
	3. Weaving @Rs. 30000/- unit.													1	0.3										0	0	1	0.3
	4. Rice Mill @Rs.50000/- unit.																1	0.5							1	0.5	0	0
	5. Ginger / Turmaric Plantation @Rs.15000/- unit.																1	0.15							1	0.15	0	0
	RAJASIMLA SONGMA																								0	0	0	0
	1. Piggery @Rs. 30000/- unit.													1	0.3		1	0.3							1	0.3	1	0.3
	2. Pisciculture @Rs. 30000/- unit.																								0	0	0	0
	3. Weaving @Rs. 30000/- unit.													1	0.3										0	0	1	0.3
	4. Rice Mill @Rs.50000/- unit.																1	0.5							1	0.5	0	0
	5. Ginger / Turmaric Plantation @Rs.15000/- unit.																1	0.15							1	0.15	0	0
	RAJASIMLA KONCHIKOL																								0	0	0	0
	1. Piggery @Rs. 30000/- unit.													1	0.3		1	0.3							1	0.3	1	0.3
	2. Pisciculture @Rs. 30000/- unit.													1	0.3										0	0	1	0.3
	3. Weaving @Rs. 30000/- unit.													1	0.3										0	0	1	0.3
	4. Rice Mill @Rs.50000/- unit.																1	0.5							1	0.5	0	0

F.	Consolidation & Exit Phase:																								0	0	0	0		
i.	Repairs, Maintenance of CPR's.																							1.5			0	1.5	0	0
ii.	Improving the sustainability of various Interventions																							1			0	1	0	0
iii.	Documentation of successful experiences & Preparation of Completion Report																							0.875		0.4	0	0.875	0	0.375
	Total of F:																							3.375	0	0	0	3.375	0	0.375
	Total of II (A+B+C+D+E+F)	0	0	0	0	0	16	7.125	0	0	0	29	28.5	13	3.75	0	44	13.125	29	2.25	0	3.375	0	0	89	52.125	42	6.375		
	Grand Total (I + II)		3.9		0.6	0	62 ha.	9.45	0	1.05	0	378 ha.	33.75	0	3.75	0	60 ha	16.5	0	2.25	0	3.375	0	0	500 ha.	66.975	0	8.025		

CONVERGENCE OF EGH IWMP - PROJECT - VI WITH NREGS
DAMBORA WATERSHED, KHARKUTTA C.&R.D. BLOCK

Agro - Horti Norms for NREGS

Sl. No.	Location & Activities	2nd year of IWMP		1st Year of NREGS		3rd Year of IWMP		2nd Year of NREGS		4th Year of IWMP		3rd Year of NREGS		5th Year of IWMP		4th Year of NREGS		TOTAL (IWMP)		TOTAL (NREGS)	
		Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	Rajasimla Mongsi	Ha.		Ha.		Ha.		Ha.		Ha.		Ha.		Ha.		Ha.		Ha.		Ha.	
	Agro - Horti. Planting materials @Rs.2000/- per ha.	1	0.02			6	0.12			1	0.02							8	0.16	0	0
	Preliminary 1st year plantation @Rs.3900/- per ha.				0.039				0.234				0.039					0	0	0	0.312
	2nd Year Maintenace @Rs.2700/- per ha.							(M)	0.027			(M)	0.162			(M)	0.027	0	0	0	0.216
	Rongdal Attimbo																	0	0	0	0
	Agro - Horti. Planting materials @Rs.2000/- per ha.	2	0.04			8	0.16			2	0.04							12	0.24	0	0

	Preliminary 1st year plantation @Rs.3900/-				0.078				0.312				0.078					0	0	0	0.468
	2nd Year Maintenace							(M)	0.054			(M)	0.216			(M)	0.054	0	0	0	0.324
	@Rs.2700/- per ha.																				
	Rajasimla Wari																	0	0	0	0
	Agro - Horti. Planting materials @Rs.2000/- per ha.	2	0.04			8	0.16			2	0.04							12	0.24	0	0
	Preliminary 1st year plantation @Rs.3900/- per ha.				0.078				0.312				0.078					0	0	0	0.468
	2nd Year Maintenace @Rs.2700/- per ha.							(M)	0.054			(M)	0.216			(M)	0.054	0	0	0	0.324
	Rajasimla Songma																	0	0	0	0
	Agro - Horti. Planting materials @Rs.2000/- per ha.	2	0.04			8	0.16			2	0.04							12	0.24	0	0
	Preliminary 1st year plantation @Rs.3900/per ha.				0.078				0.312				0.078					0	0	0	0.468
	2nd Year Maintenace @Rs.2700/- per ha.							(M)	0.054			(M)	0.216			(M)	0.054	0	0	0	0.324
	Rajasimla Konchikol																	0	0	0	0

	Agro - Horti. Planting materials @Rs.2000/- per ha.	2	0.04			8	0.16			2	0.04							12	0.24	0	0
	per ha.																				
	Preliminary 1st year plantation @Rs.3900/per ha.				0.078				0.312				0.078					0	0	0	0.468
	2nd Year Maintenace @Rs.2700/- per ha.							(M)	0.054			(M)	0.216			(M)	0.054	0	0	0	0.324
	Rajasimla Reserve Gittim																	0	0	0	0
	Agro - Horti. Planting materials @Rs.2000/- per ha.	1	0.02			2	0.04			1	0.02							4	0.08	0	0
	Preliminary 1st year plantation @Rs.3900/per ha.				0.039				0.078				0.039					0	0	0	0.156
	2nd Year Maintenace @Rs.2700/- per ha.							(M)	0.027			(M)	0.054			(M)	0.027	0	0	0	0.108
	TOTAL	10	0.2	0	0.39	40	0.8	0	1.83	10	0.2	0	1.47	0	0	0	0.27	60	1.2	0	3.96

CONVERGENCE OF EGH IWMP PROJECT - VI WITH NREGS

DAMBORA WATERSHED, KHARKUTTA C.&R.D. BLOCK

Rubber Plantation Norms for NREGS

Sl. No.	Location & Activities	Ha./ Nos.	2nd year of IWMP		1st Year of NREGS		3rd Year of IWMP		2nd Year of NREGS		4th Year of IWMP		3rd Year of NREGS		5th Year of IWMP		4th Year of NREGS		TOTAL (IWMP)		TOTAL (NREGS)	
			Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.	Phy .	Fin.
1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	Rajasimla Mongsi																					
	Creation of Rubber Nusery (Polybag) @Rs.25/- per plant.	No.	2700 nos.	0.675															2700 nos.	0.68	0	0
		Ha.	6																6	0	0	0
	Preliminary 1st year plantation @Rs.15760/- per ha. (Material Component)	Ha.				0.9456													0	0	0	0.9456
	Preliminary & 1st Year Wage Component @Rs.51100/-	Ha.				3.066													0	0	0	3.066
	2nd Year Maintenace @Rs.1000/- per ha.	Ha.							(M)	0.06									0	0	0	0.06
	2nd Year Wage Component. @Rs.35910/-	Ha.							(M)	2.1546									0	0	0	2.1546
	Rongdal Attimbo																		0	0	0	0
	Creation of Rubber Nusery (Polybag) @Rs.25/- per plant.	No.					3600 nos.	0.9											3600 nos.	0.9	0	0
		Ha.					8												8	0	0	0

	Preliminary 1st year plantation @Rs.15760/- per ha. (Material Component)	Ha.								1.2608									0	0	0	1.2608
	Preliminary & 1st Year Wage Component @Rs.51100/-	Ha.								4.088									0	0	0	4.088
	2nd Year Maintenace @Rs.1000/- per ha.	Ha.										(M)	0.08						0	0	0	0.08
	2nd Year Wage Component. @Rs.35910/-	Ha.										(M)	2.8728						0	0	0	2.8728
	Rajasimla Wari																		0	0	0	0
	Creation of Rubber Nusery (Polybag) @Rs.25/- per plant.	No.					3600 nos.	0.9											3600 nos.	0.9	0	0
		Ha.					8												8	0	0	0
	Preliminary 1st year plantation @Rs.15760/- per ha. (Material Component)	Ha.								1.2608									0	0	0	1.2608
	Preliminary & 1st Year Wage Component @Rs.51100/-	Ha.								4.088									0	0	0	4.088
	2nd Year Maintenace @Rs.1000/- per ha.	Ha.										(M)	0.08						0	0	0	0.08
	2nd Year Wage Component. @Rs.35910/-	Ha.										(M)	2.8728						0	0	0	2.8728

	Rajasimla Songma																	0	0	0	0	
	Creation of Rubber Nusery (Polybag) @Rs.25/- per plant.	No.					1800 nos.	0.45				1800 nos.	0.45					3600 nos.	0.9	0	0	
		Ha.						4				4							8	0	0	0
	Preliminary 1st year plantation @Rs.15760/- per ha. (Material Component)	Ha.								0.6304				0.6304					0	0	0	1.2608
	Preliminary & 1st Year Wage Component @Rs.51100/-	Ha.								2.044				2.044					0	0	0	4.088
	2nd Year Maintenace @Rs.1000/- per ha.	Ha.											(M)	0.04			(M)	0.04	0	0	0	0.08
	2nd Year Wage Component. @Rs.35910/-	Ha.											(M)	1.4364			(M)	1.4364	0	0	0	2.8728
	Rajasimla Konchikol																		0	0	0	0
	Creation of Rubber Nusery (Polybag) @Rs.25/- per plant.	No.									2700 nos.	0.675							2700 nos.	0.68	0	0
		Ha.										6								6	0	0
	Preliminary 1st year plantation @Rs.15760/- per ha. (Material Component)	Ha.												0.9456					0	0	0	0.9456

	Preliminary & 1st Year Wage Component @Rs.51100/-	Ha.												3.066					0	0	0	3.066
	2nd Year Maintenace @Rs.1000/- per ha.	Ha.														(M)	0.06		0	0	0	0.06
	2nd Year Wage Component. @Rs.35910/-	Ha.														(M)	2.1546		0	0	0	2.1546
	Rajasimla Reserve Gittim																		0	0	0	0
	Creation of Rubber Nusery (Polybag) @Rs.25/- per plant.	No.	1800 nos.	0.45															1800 nos.	0.45	0	0
		Ha.	4																4	0	0	0
	Preliminary 1st year plantation @Rs.15760/- per ha. (Material Component)	Ha.				0.6304													0	0	0	0.6304
	Preliminary & 1st Year Wage Component @Rs.51100/-	Ha.				2.044													0	0	0	2.044
	2nd Year Maintenace @Rs.1000/- per ha.	Ha.							(M)	0.04									0	0	0	0.04
	2nd Year Wage Component. @Rs.35910/-	Ha.							(M)	1.4364									0	0	0	1.4364
	TOTAL		10	1.125	0	6.686	20	2.25	0	17.063	10	1.125	0	14.068	0	0	0	3.691	40	4.5	0	41.508

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

1	2	3	4	5	6		7	8	9	10				11				
Sl. No	Name of State	Name of Districts	Names of Projects	Year of sanction	Project duration (dd/mm/yyyy)		Area of the projects	Project cost (Rs. In lakh)	Names of Micro watersheds & Code nos. (as per DoLR's unique codification)	Area (ha) of the projects				Area details (ha) (falling within the projects)				
					From	To												
										Cultivated rainfed area	Cultivated irrigated area	Uncultivated wasteland		Pvt. Agri. Land	Forest land	Community land	Others (pl. specify)	Total area (ha)
												a) Temporary fallow	b) Permanent					
1	Meghalaya	East Garo Hills	East Garo Hills – IWMP-VI	2010-2011	2010-2011	2014-2015	1000ha.	150	Dobangal Watershed 3BIClbic Dambora Watershed 3BICI24K	460	-	540	-	-	-	-	-	1000 Ha.

Fund provision for the IWMP projects from all sources:

1	2	3		4										5
District	Name of Projects	IWMP Fund		Funds from other sources in addition to IWMP funds										Total
				Convergence funds		PPP		Community		Institutional finance		Others (Pl. specify)		
		Central Share	State Share	Name of Scheme	Amount (Lakhs)	Name of private sector	Financial contribution	Name	Financial contribution	Name	Financial contribution	Name	Financial contribution	
East Garo Hills	East Garo Hills – IWMP-VI	135.00	15.00	NREGS	90.936									

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	East Garo Hills	East Garo Hills – IWMP-VI	Williamnagar S.B.I.E.G.H.	-	Saving	Soil & Water Conservation Division Officer	1. Dobangal Watershed Committee. 2. Dambora Watershed Committee	Williamnagar S.B.I.Branch East Garo Hills.	-	Saving	PIA Chairman W.C, Secretary W.C,

Details of Convergence of IWMP with other Schemes:

	1	2	3	4	5	6	7
Sl. No.	District	Names of projects	Names of Departments with Schemes converging with IWMP	Fund made available to IWMP due to convergence (Rs. in lakh)	Name of activity/task/structure undertaken with converged funds	Reference no. of activity/ task/ structure in DPR [@]	Level at which decision for convergence was taken ^{\$}
					(a) Structures (b) livelihoods (c) Any other (pl. specify) [#]		
1	East Garo Hills	East Garo Hills – IWMP-VI	* Community Rural Development Department NREGS	7.92 83.016	1. Agro Horti. Plantation 2. Rubber Plantation	-	Block Level & District Level
2			-	-	-	-	

Note:

(i)

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				
East Garo Hills	East Garo Hills-IWMP-VI										

* 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

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

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

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

- From Column no. 2, total no. of States implementing the programme, from Column no. 3, no. of training institutes, from column No. 9, total no. of category-wise trainings and trainees may be given at the end of the table for the entire country
 - # Central govt. Dept./ State govt. Dept./ Autonomous Body/ Research Institutes/ Universities/ Others (pl. specify)
- ^{\$} Capacity Building/ Agriculture/ Horticulture/ Animal Husbandry/ Pisciculture/ Remote Sensing/ Water conservation/ Ground water/ Forestry/ livelihoods/ entrepreneurship development/ others (pl. specify)
- [@] The training institutes must fulfill the conditions mentioned in the operations guidelines.

- (i) Technical experts in fields required by IWMP
- (ii) Past experiences

- (iii) Annual Turnover
- (iv) Receives funds either from the Central or State Government
- (v) Publications
- (vi) Not blacklisted by any Govt. organizations
- (vii) Audited accounts
- (viii) Organizational structure

Table 6.2: Capacity Building activities for the year 10-11 as on 31/03/2010 (dd/mm/yyyy)*

1	2	3	4	5	6		7	
Project Stakeholders	Total no. of persons	No. of persons trained so far	No. of persons to be trained during current financial year	No. of persons trained during current financial year	Sources of funding for training		Funds utilized (Lakhs)	
					a) DoLR	b) Any other (Pl. specify)	a) DoLR	b) Any other (Pl. specify)
SLNA			-	-	1.50	-	1.50	-
DRDA/ZP cell			-	-				
PIAs			-	-				
WDTs			-	-				
UGs			-	-				
SHGs			-	-				
WCs			-	-				
GPs			-	-				
Community			-	-				
Others Pl. specify)								

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

	1	2	3	4	5
	Activity	Executing agency	Estimated expenditure (Rs.)	Expenditure incurred (Rs.)	Outcome (may quantity, wherever possible)
1.	Awareness	S&WC (T) Division	1	-	
2.	Exposure Visits	S&WC (T) Division	0.9	0.30	
3.	Capacity Building	S&WC (T) Division	5.6	1.20	

CHAPTER VII **EXPECTED OUTCOME**

Table 7.1 Employment related outcomes:

Sl No	Name of Village	1										2				
		Wage employment										Self employment				
		No. of mandays					No. of beneficiaries					No. of beneficiaries				
		SC	ST	Others	Women	Total	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total
1.	Dobangal		45293					26								
2.	Badaka							114								
3.	Jugalpara							32								
4.	Athiabari							55								
5.	Rajasimala Mongsi							41								
6.	Rongdal Atimbo							76								
7.	Rajasimala wari							79								
8.	Rajasimala Songma							60								
9.	Rajasimala Konchikol							76								
10.	Rajasimala Reservegittim							17								

Table 7.2 Migration Details:

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

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

Table 7.3 Economic benefits accrued to women:

1		2		3		4
Wages		Training		Livelihoods		Total (Rs. in lakh)
Woman days	Amount (Rs. in lakh)	No. of women participants	Amount (Rs. in lakh)	No. of women beneficiaries	Value of assistance provided (Rs. in lakh)	
9844	9.844					

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

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

1	2	3	4	5	6	7				8
Names of the Districts	Names of the projects	Names of the villages	Particular of CPR	Nature of right	Period of right	Beneficiary details (no. of families)				User Charges (Rs.)
						SC	St	Others	Total	
East Garo Hills	East Garo Hills-IWMP-VI									

* From column no. 2, no. of States; from column no. 3, no. of Districts; from column no. 4, no. of projects; from column no. 5, no. of villages; from column nos. 9 & 10, particular-wise totals for the entire country may be given at the end of the table.

@ In column no. 6, the categories given in table no. M(SP) 10, column 5 may be filled as required.

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

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

Table 7.5 Water related outcomes:

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

1	2	3	4	5	6	7	8
Names of Districts	Names of Projects	Sources	Pre-Project level	Mid-term project level	Post-Project level	Increase/decrease (Col. 8 – Col. 6)	Remarks
East Garo Hills	East Garo Hills-IWMP-VI	Open wells	-	-	-	-	-
		Bore wells	-	-	-	-	-
		Others (specify) Springs	very poor poor	poor	Good	Increased	-

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

Table 7.5.2 Status of Drinking water:

1	2	3			4			5
District	Name of the project	Availability of drinking water (no. of months in a year)			Quality of drinking water			Comments
		Pre-project	Post-project	Change in availability	Pre-project	Post-project	Change in quality	
East Garo Hills	East Garo Hills-IWMP-VI	Insufficient	Sufficient	10 – 12 months	Moderate	Improved	Improved	-

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

Table 7.5.3 Water Use efficiency:

1	2	3	4			
District	Name of the project	Name of major crop	Water savings in cu.m.			
			through water saving devices ^{\$}	through water conserving agronomic practices [#]	Any other (pl specify)	Total
East Garo Hills	East Garo Hills-IWMP-VI					
				‘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 no. 6, practice-wise totals may be mentioned at the end of the table for the entire country.

^{\$} Sprinkler, Drip, PVC pipe, etc.

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

Table 7.6: Vegetation/ crop related outcomes:

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

1	2	3	4						5						6					
Names of the Districts	Name of Projects	Name of crops	Pre-project						Mid-term						Post-project					
			Area (ha)		Average Yield (Qtl) per ha.		Total Production (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)	
			Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.
East Garo Hills	East Garo Hills-IWMP-VI	Paddy	-	169		1936								3271.84						
		Millet	-																	
		Soyabean	-																	
		Yam	-																	
		Ginger	-	70		56								3920						
		Tapioca	-																	
		Betel nut	-	65		13.5								877.5						
		Betel leaf	-																	
		Black Pepper	-																	
		Oranges	-																	

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

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

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

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

Irri. – Irrigated Rf – Rainfed

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

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

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

Irri. – Irrigated Rf – Rainfed

Table 7.6.4 Increase/ Decrease in area under fodder:

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

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

Table 7.6.5 Increase/ Decrease in Forest/vegetation cover:

1	2	3	4			5		
District	Name of project	Duration of Project	Existing area tree cover (ha)			Achievement (ha)		
			Source/Name of report	Year of reference	Area already under forest/vegetative cover	Forest/vegetative cover area proposed to be covered under IWMP	Forest/vegetative cover area actually covered under IWMP	Change in forest/vegetative cover area
East Garo Hills	East Garo Hills- IWMP-VI	5 yrs	Actual Baseline Survey					

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

Table 7.6.6 Increase/ Decrease in area under horticulture:

1	2	3	4			5		
District	Name of project	Duration of Project	Existing area under horticulture (ha)			Achievement (ha)		
			Source/Name of report	Year of reference	Area already under horticulture	Area under horticulture proposed to be covered through IWMP	Area under horticulture actually covered through IWMP	Change in area under horticulture
East Garo Hills	East Garo Hills-IWMP-VI	5 yrs			152ha.	240ha.	392	392

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

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

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

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

Table 7.7 Livelihood related outcomes:

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

1	2	3	4			5			6			7
Names of the Districts	Name of Projects	Type of Animal	Pre-project			Mid-term			Post-project			Remarks
			No.	Yield	Income	No.	Yield	Income	No.	Yield	Income	
East Garo Hills	East Garo Hills- IWMP-VI	Milch- animals	nil	nil	nil	nil	nil	nil	nil	nil	nil	
		Piggery							30			
		Poultry							18			
		Apiculture in unit							66			

* 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. lakhs)	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
East Garo Hills	East Garo Hills-IWMP-VI	Tailoring	5.12							64								
		Carpentry	1.60							32								
		Piggery	4.48							56								
		Pisciculture	1.40							14								
		Weaving	2.00							16								
		Kitchen - gardening	0.40							16								

(Contd.)

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

Table 7.7.3 Details of other livelihoods created for landless people:

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

Table 7.7.4 Details of other livelihoods created for farmers:

1	2	3	4	5				6	7				8			
District	Project	Name of activity	Fund required for the activity (Rs.) in lakhs	Sources of funding (Rs.) in Lakhs				Actual Expenditure incurred on activity (Rs.)	No. of farmers trained				No. of farmers taking up activity			
				Project Fund	Benefi-ciary	Others (pl. specify)	Total		SF	MF	LF	Total	SF	MF	LF	Total
East Garo Hills	East Garo Hills-IWMP-VI	i) Betelnut soaking														
		ii) Fruit processing														
		iii) Rural Godown														
		iv) Ropeway														

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

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

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

Table 7.8 Marketing related outcomes:

Backward-Forward linkages *

1	2	3	4	5	6
District	Project	Type of Marketing Facility	Pre-project (no.)	During the project (no.)	Post-project (no.)
East Garo Hills	East Garo Hills- IWMP-VI	(A) Backward linkages			
		(i) Seed certification			
		(ii) Seed supply system			
		(iii) Fertilizer supply system			
		(iv) Pesticide supply system			
		(v) Credit institutions			
		(vi) Water supply			
		(vii) Extension services			
		(viii) Nurseries			
		(ix) Tools/machinery suppliers			
		(x) Price Support system			
		(xi) Labour			
		(xii) Any other (please specify)			
		(A) Forward linkages			
		(i) Harvesting/threshing machinery			
		(ii) Storage (including cold storage)			
		(iii) Road network			
		(iv) Transport facilities			
		(v) Markets / Mandis			
		(vi) Agro and other Industries			
		(vii) Milk and other collection centres			
		(viii) Labour			
		(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
	Meghalaya	Status of water table				
		Ground water structures repaired/ rejuvenated				
		Quality of drinking water				
		Availability of drinking water				
		Increase in irrigation potential				
		Change in cropping/ land use pattern				
		Area under agricultural crop				
		i Area under single crop				
		ii Area under double crop				
		iii Area under multiple crop				
		Net increase in crop production area				
		Increase in area under vegetation				
		Increase in area under horticulture				
		Increase in area under fuel & fodder				
		Increase in milk production				
		No. of SHGs				
		Increase in no. of livelihoods				
		Increase in income				
		Migration				
		No. of school going children				
		SHG Federations formed				
		Credit linkage with banks				
		Resource use agreements				
		WDF collection & management				
		Summary of lessons learnt	May be attached as a separate file			

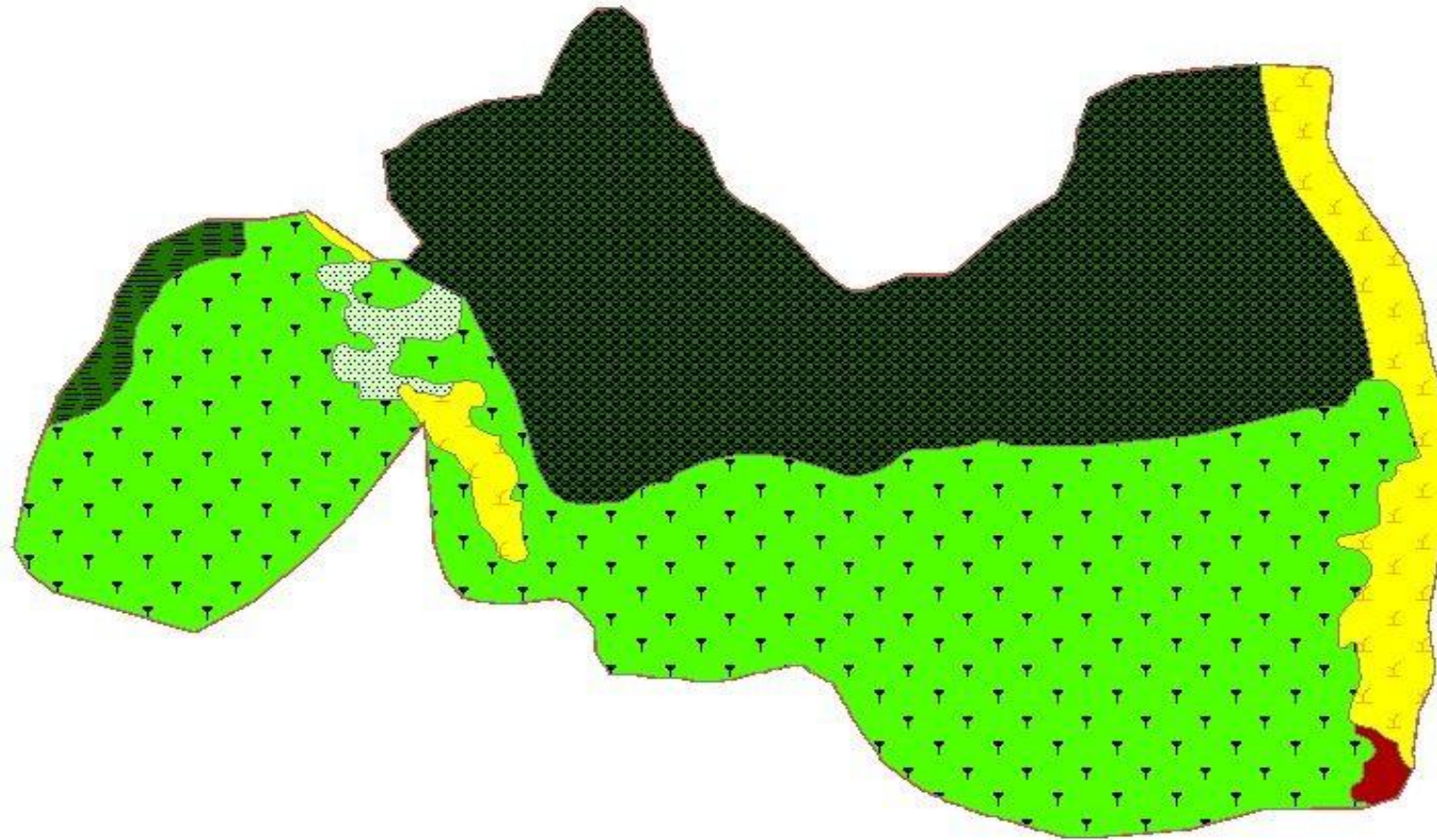
Table 7.10 Cost effectiveness of structures/ activities*

1	2	3	4	5	6	7	8	9	10
District	Name of project	Name of WC	Name of structure/ activity	Estimated cost (Rs.)	Expected quantifiable benefits (Rs.)	Expenditure incurred (Rs.)	Actual quantifiable benefit (Rs.)	Benefit: Cost ratio [#]	IRR
East Garo Hills	East Garo Hills-IWMP-VI			170.0 Lakh	NA	‘Nil’	‘Nil’	1:16	NA

* 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

Landuse Landcover Map Dobangal-Dambora River IWMP-VI (EGH)



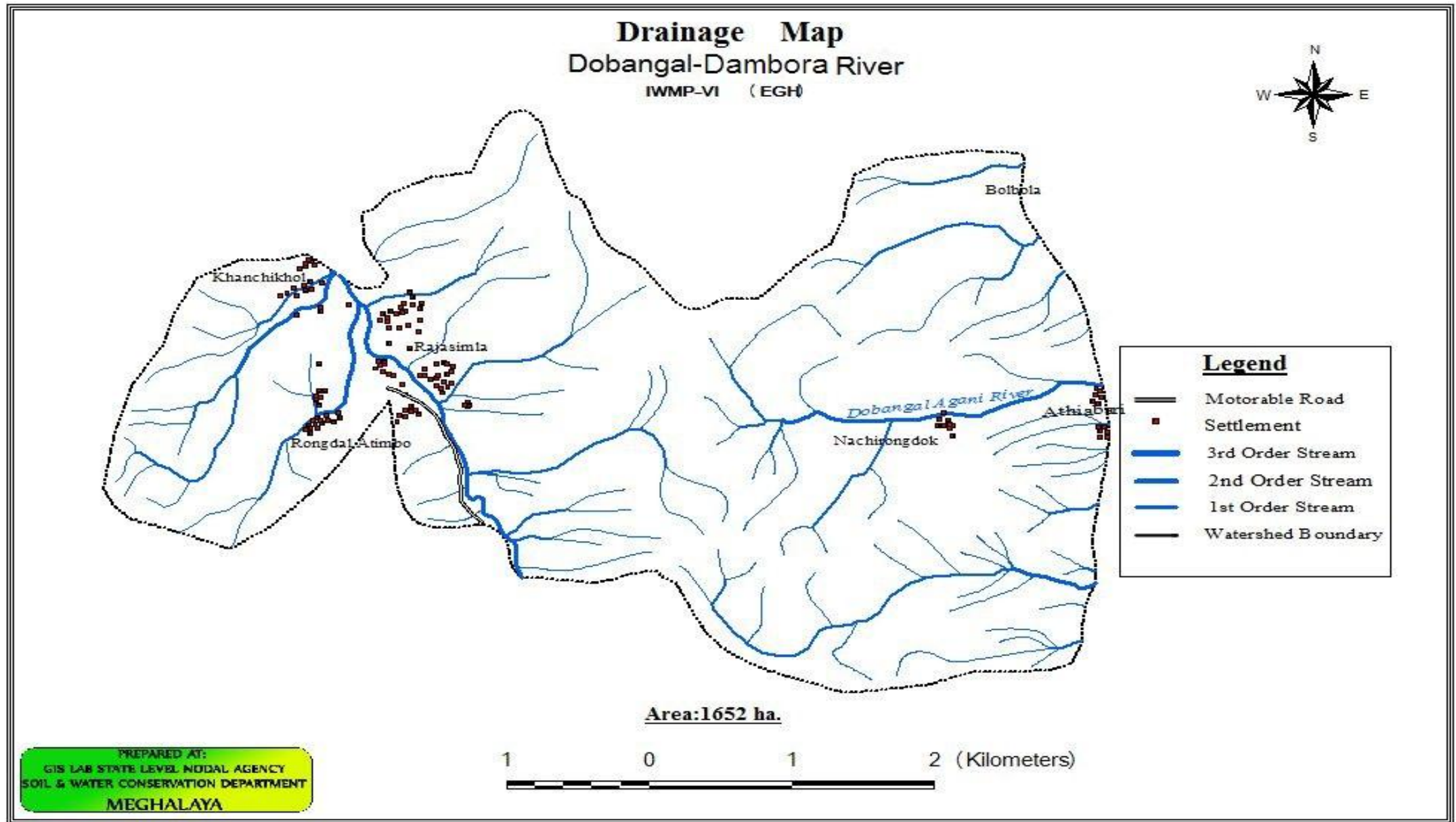
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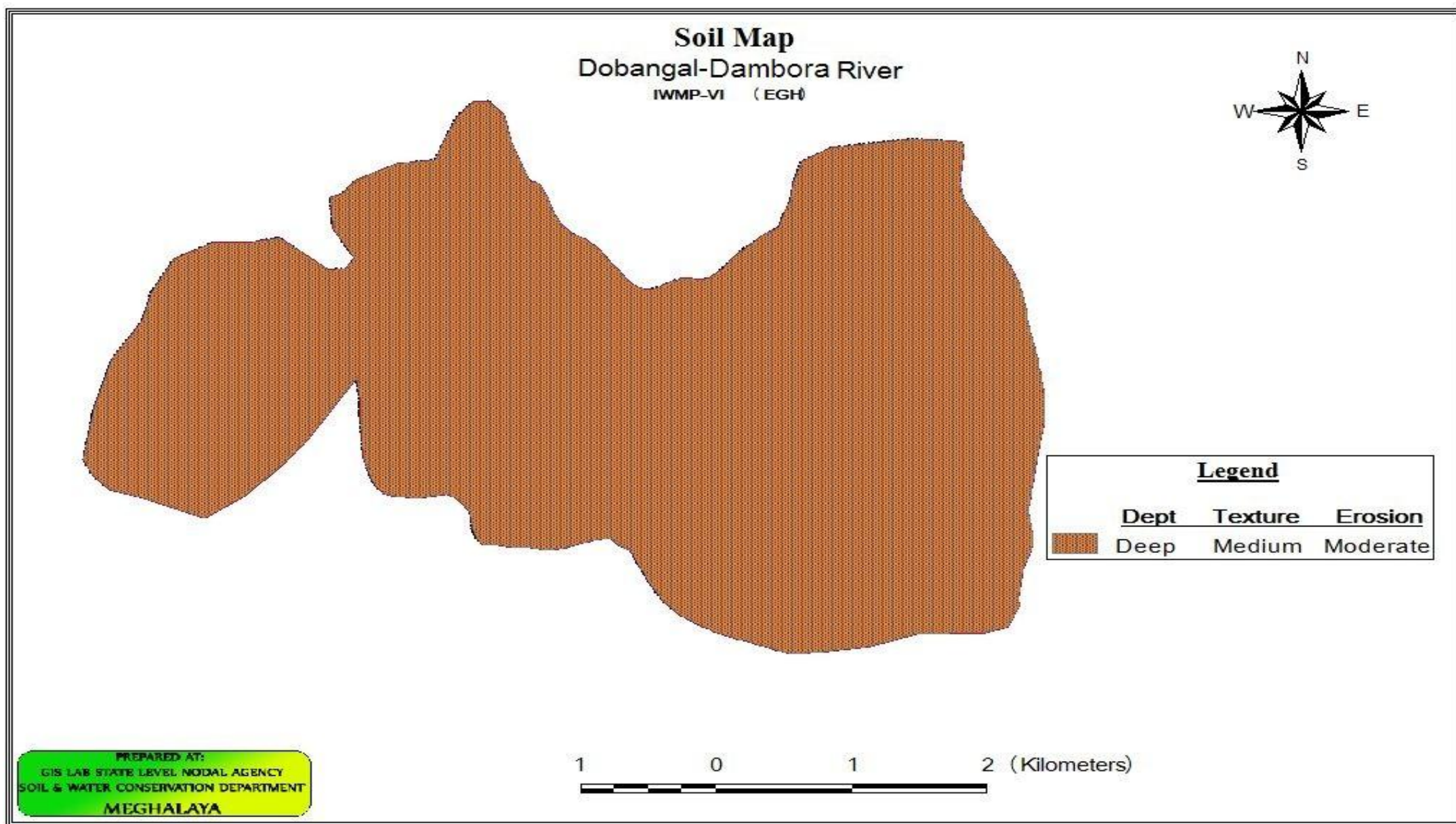
	Agriculture	- 147 Ha.
	Builtup Rural	- 7 Ha.
	Evergreen Forest	- 751 Ha.
	Tree Clad Close	- 28 Ha.
	Natural Grass	- 26 Ha.
	Tree Clad Open	- 1038 Ha.

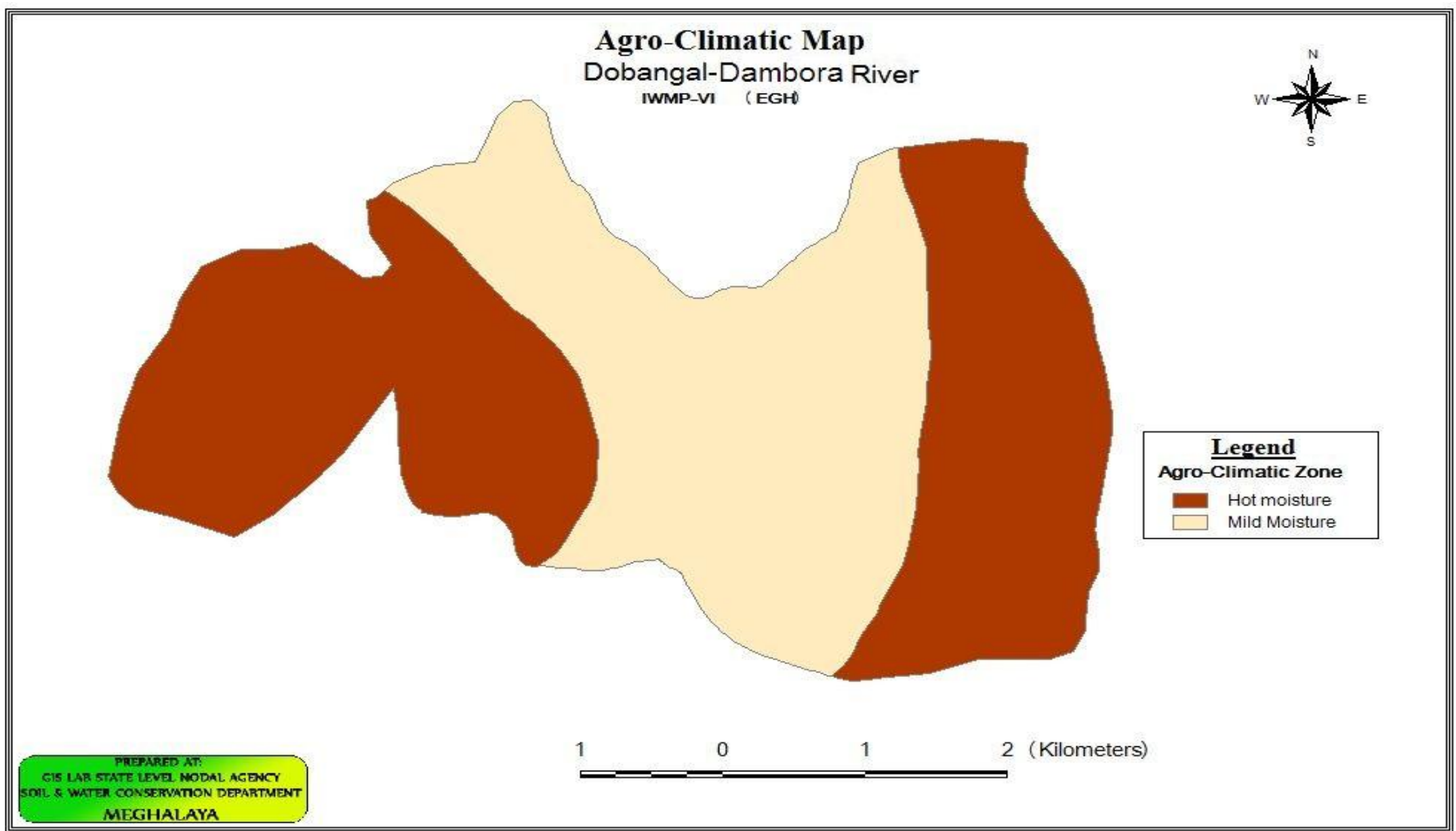
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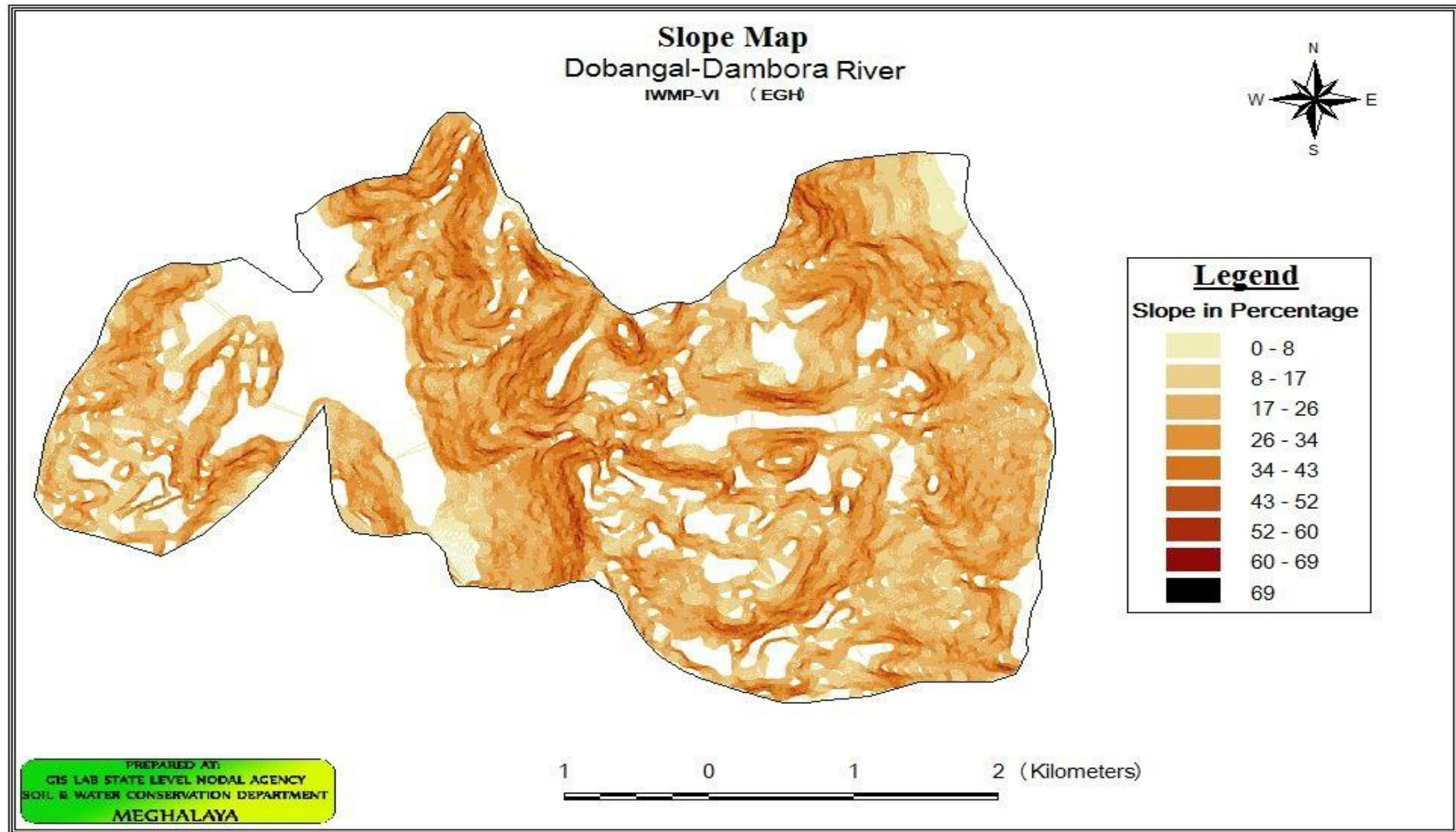
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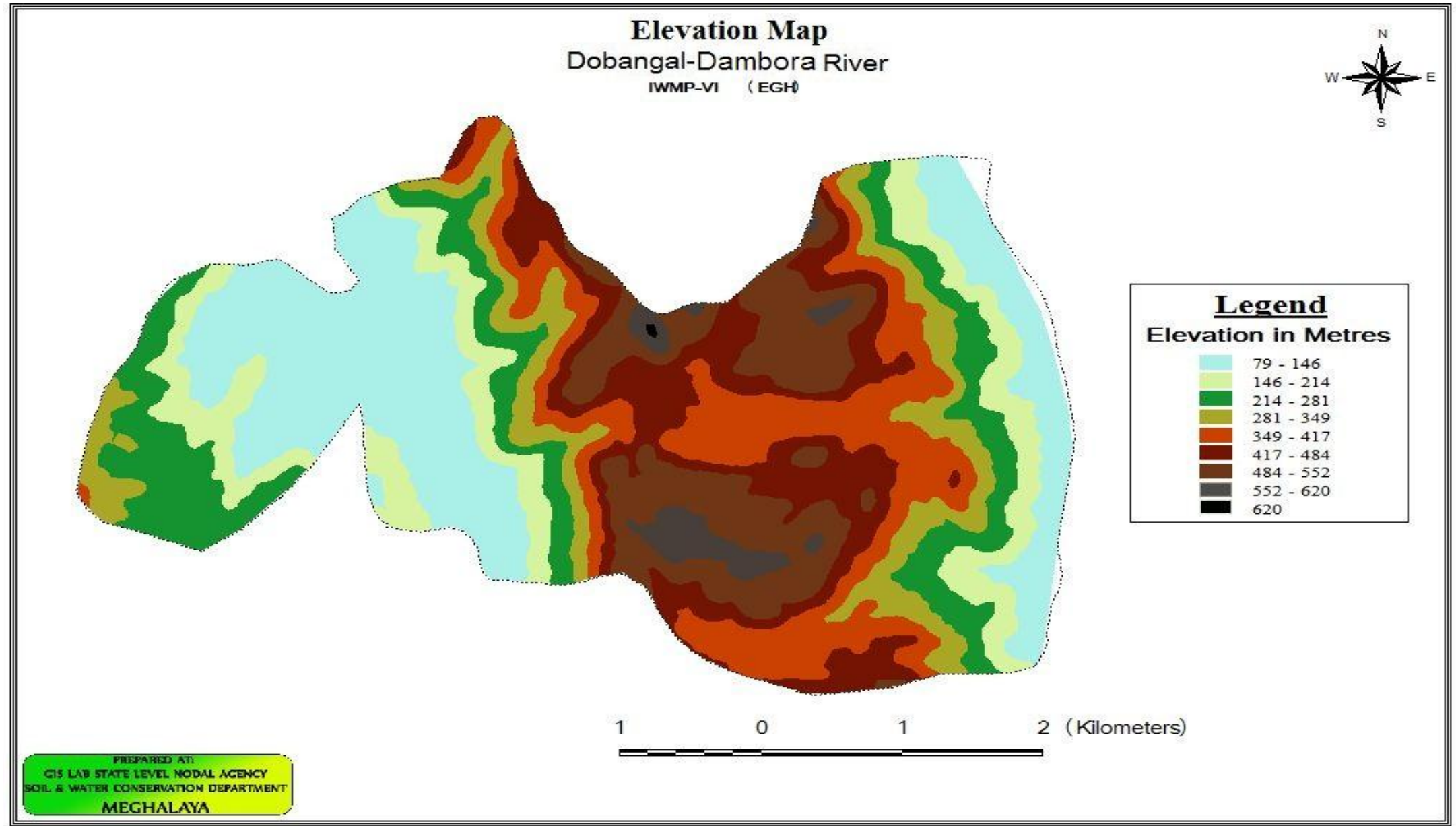
PREPARED AT:
GIS LAB STATE LEVEL NODAL AGENCY
SOIL & WATER CONSERVATION DEPARTMENT
MEGHALAYA

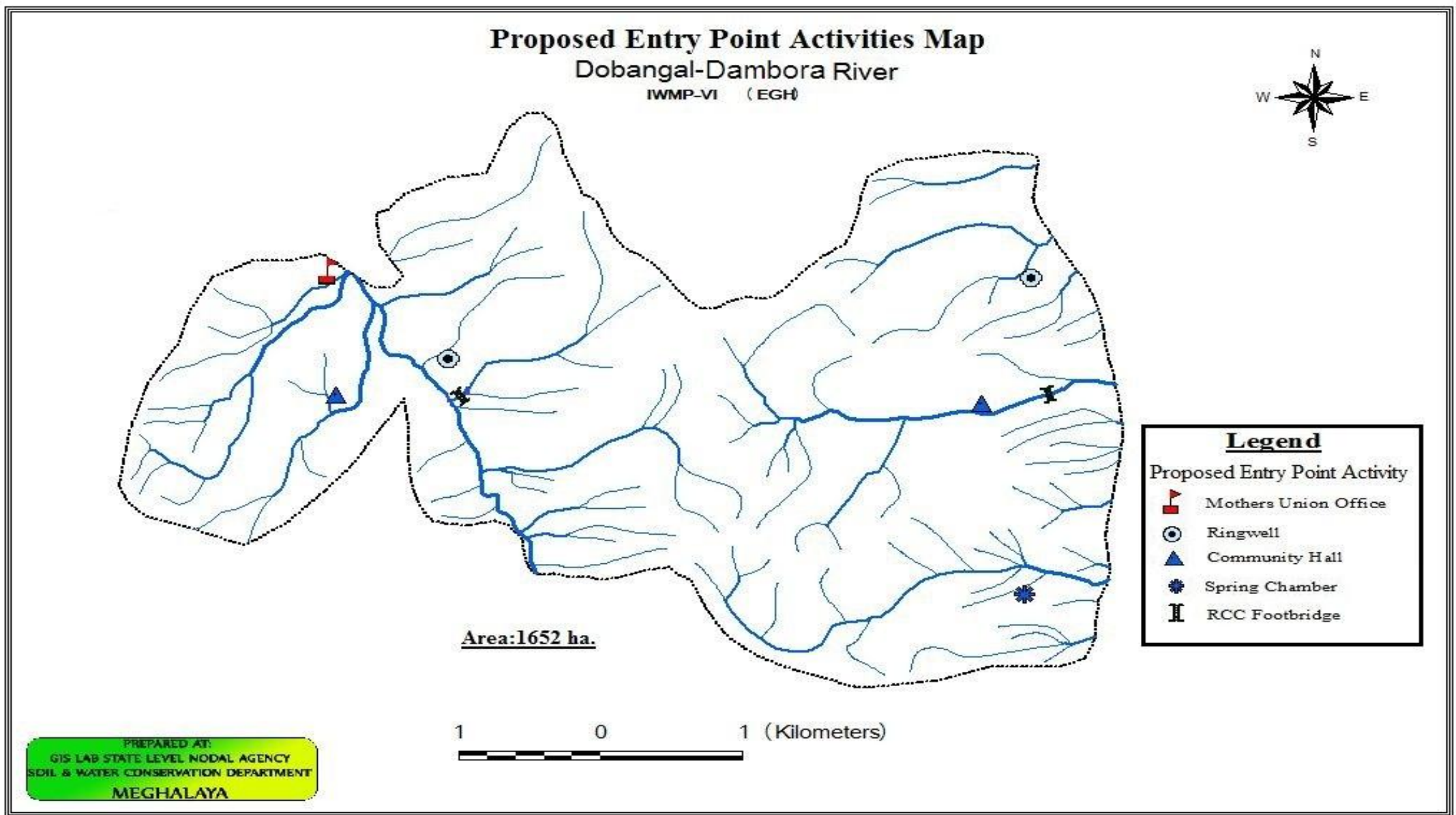








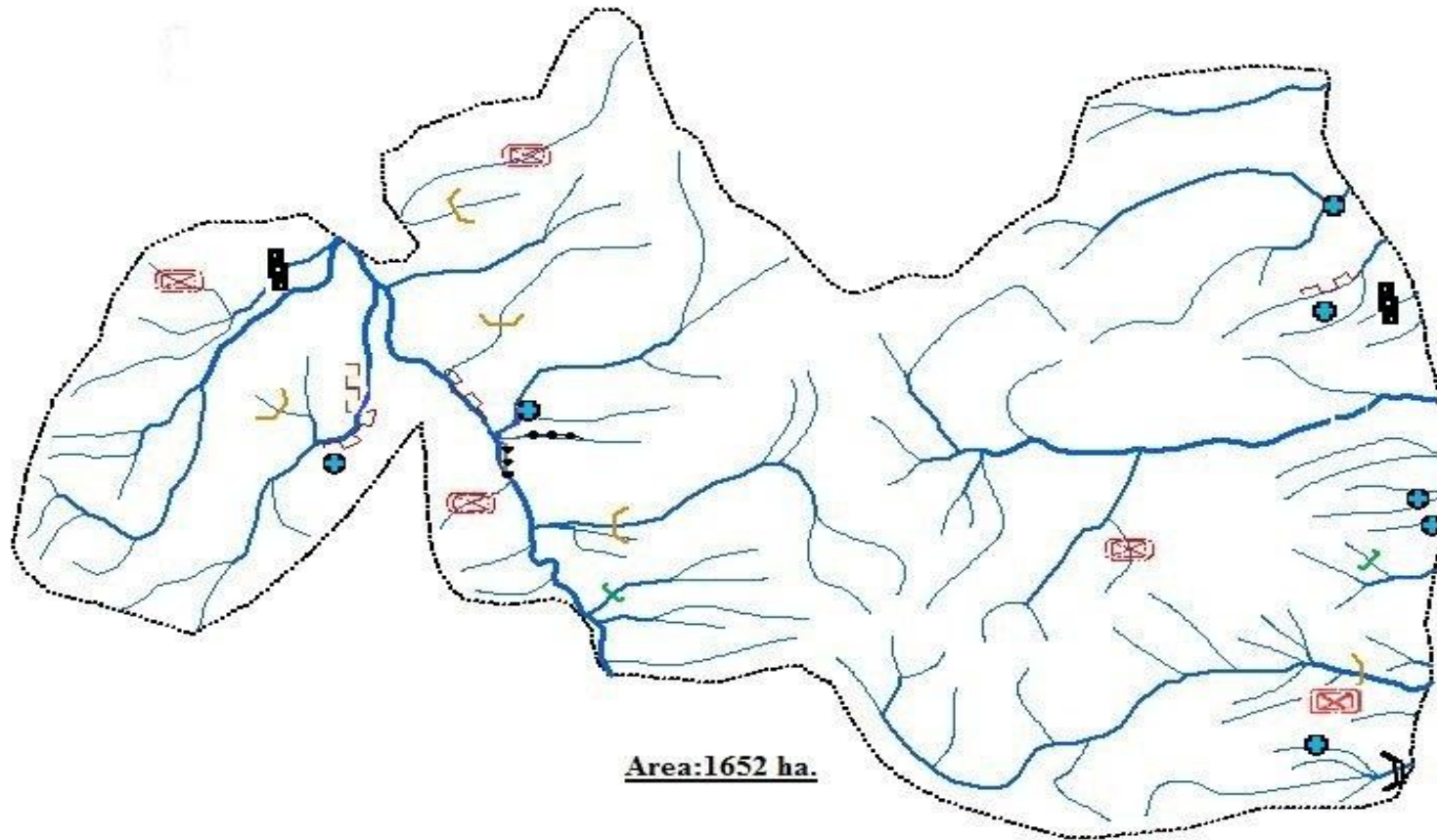




Proposed Engineering Map

Dobangal-Dambora River

IWMP-VI (EGH)



Area:1652 ha.

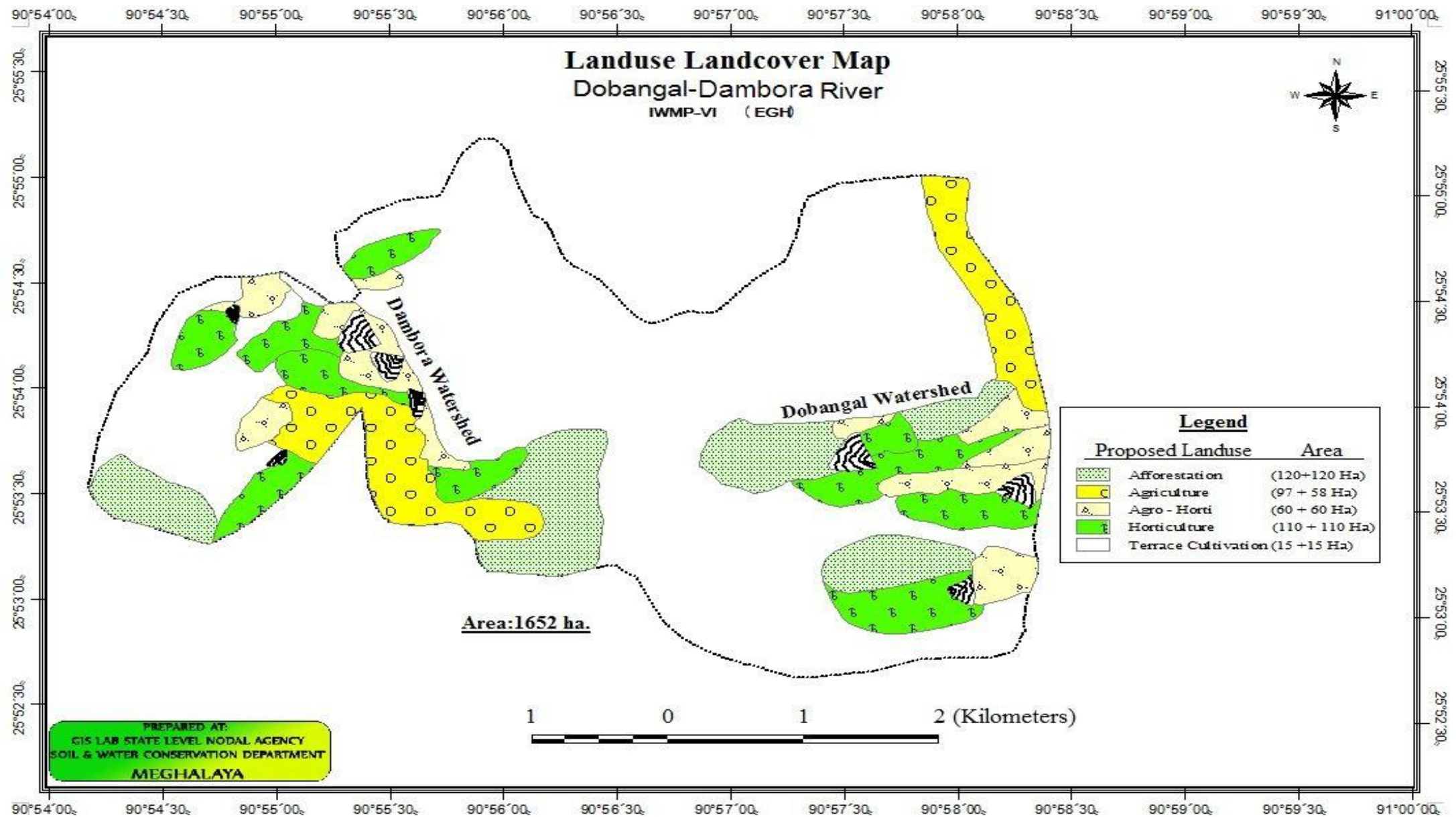
1 0 1 (Kilometers)

Legend

Proposed Engineering

- Dugout Pond
- Boulder Sausage
- Check Dam
- CC Dam
- RCC Dam
- Stone Masonry Protection Wall
- Water harvesting
- Loose Boulder Check dam

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



Shri Krucheh A. Sangma

Nokma

Matchokgre A-king IV-59(6)

P.O. Rajasimla

Dist. East Garo Hills

Meghalaya.



Date: 10th April 2010

No objection certificate

Anga Shri Kru cheh A. Sangma, Matchokgre Akingni Nokma, kamao sei kagipa sakki nangni mekkango indake sei omenga je, angni aking nengo dongeng gipa songrang jekai (1) Rajasimla Reserve, (2) Na'chi-Mongdik and (3) Dobanggal songrang. Sei conservation Department ni 10 MP-VI Plan Project ko kabae kam kaanis mamung mamnik gijani ba ongijani dongjama and ea-nangko anga been bemang, gisek katong an sunge dalal 2010 ni April 10 tamiko sei omenga.

Sak kē nangji -

- ① Gatdon, Marak.
- ② Sengleath Sangma
- ③ Dilip Marak.

Sei ongipa
Kru cheh Sangma.

K. A. Sangma
Nokma IV-59 (6)
Matchokgre A-king
East Garo Hills