

GOVERNMENT OF INDIA



DETAILED PROJECT REPORT

ON

RONGTRA MICRO WATERSHED

UNDER

INTEGRATED WATERSHED MANAGEMENT PROGRAMME (IWMP-III)

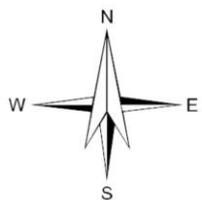
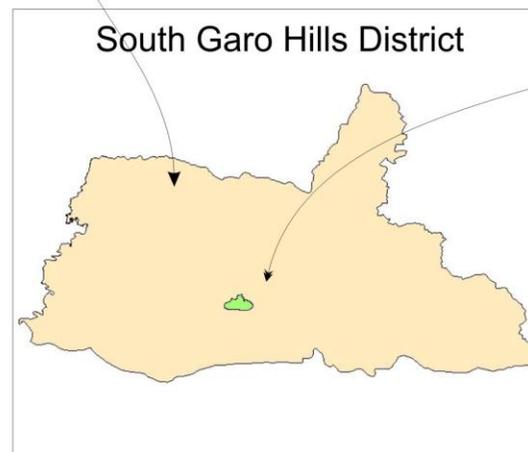
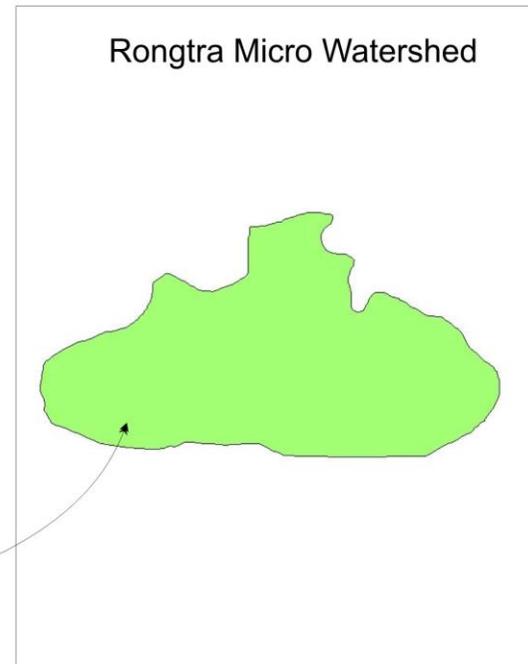
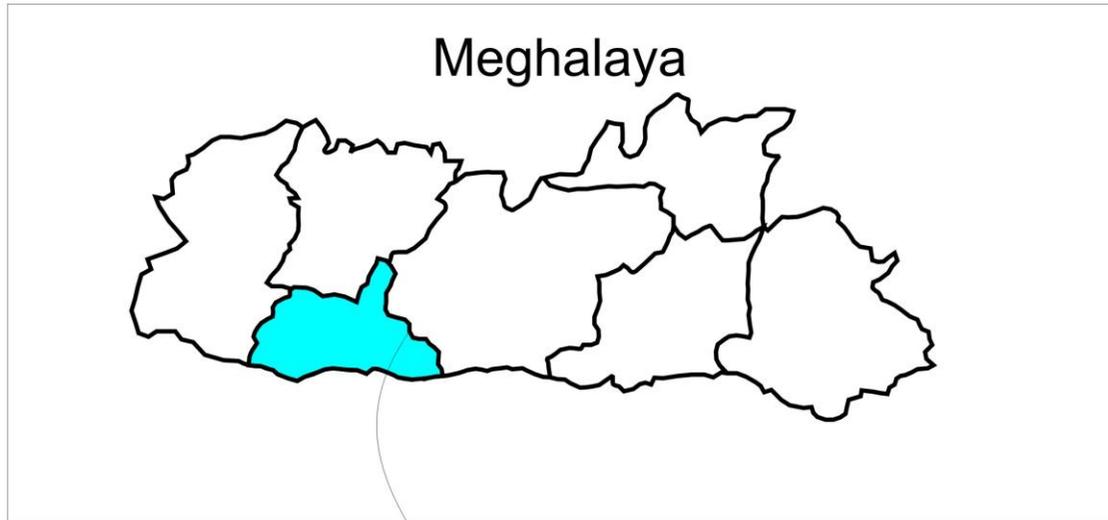
2010-2011

BAGHMARA SOIL & WATER CONSERVATION (CC) DIVISION.

SOUTH GARO HILLS

MEGHALAYA

Index Map of Rongtra MWS under IWMP-III
South Garo Hills District



SUMMARY

Name of the State	:	Meghalaya
Name of the District	:	South Garo Hills District
Name of the C&RD Block	:	Baghmara
Name of the Village	:	Wamisengre
Name of the Project	:	South Garo Hills – IWMP-III
Total Geographical Area	:	554 Ha
Total Treatment Area	:	500 Ha
Total Project Cost	:	75 lakhs
Project Duration	:	5 Years
Project Implementing Agency	:	Soil & Water Conservation (Cash Crop) Division, Baghmara.

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CHAPTER I
INTRODUCTION AND BACKGROUND

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INTRODUCTION AND BACKGROUND

1.1 Project Background:

The Rongtra IWMP–III project is located in Baghmara C&RD Block, South Garo Hills District of Meghalaya. Consisting of a single micro-watershed, the project area is drained by the Rongtra River and its tributaries flowing in a west to east direction. The total area is 554 Ha. with 500 to be treated under the Integrated Watershed Management Programme (IWMP).

The Project area is located at a distance of about 17 km from Baghmara C&RD Block. A total of only one village is covered under the project. That is –

Wamisengre

1.2 Micro-watershed Information:

The micro-watershed code is yet to be codified by the North East Space Application Centre (NESAC). The total area of the micro-watershed is 554 Ha. with 500 hectares to be treated under the Integrated Watershed Management Programme (IWMP).

1.3 Need and Scope for Watershed Development:

The Rongtra micro-watershed falls under the High Priority category as per the prioritization of watersheds by the North East Space Application Centre (NESAC). The village do not have any road connectivity. The farmers are all marginal and 19 households are below the poverty line, which is 100% 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 is only one:-

- (i) MGNREGS
- (ii) Swarnjayanti Gram Swarozgar Yojana (SGSY)
- (iii) Backward Region Grand Fund (BRGF)

CHAPTER II
BASIC INFORMATION OF THE PROJECT AREA

CHAPTER II

BASIC INFORMATION OF THE PROJECT AREA

2.1 Location: The Project area is located within the area of Baghmara C&RD Block, South Garo Hills District. It is situated at a distance of about 17 km from Baghmara. The geographical location is between 90° 31'55" to 90° 34' 23"E Longitude and 25° 14'30" to 25° 15' 50"N Latitude. There is only one village within the Watershed area i.e –

Wamisengre

At present, this village do not have road connectivity.

2.2 Physiography:

The topography of the micro-watershed is highly undulating table land tracts with gentle to moderate slopes. The slopes vary from 10% to 15 % and 15% to 35%. The altitude ranges from a minimum of 28 m a high of 66m above mean sea level.

2.1: Physiographic details

Elevation (metres)	Slope Range (%)	Order of watershed Sub/Micro-watershed	Major streams	Topography
28m to 66 m	10% to 15 % and 15% to 35%	Micro Watershed	Rongtra	Moderately Sloping

2.3 Drainage: The major stream draining the micro-watershed is the Rongtra which is a 3th order stream flowing in a north-south direction. The slopes of the micro-watershed are dissected by numerous small tributaries flowing to the Rongtra.

2.4 Soil: Soil Texture is coarse loam 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.

2.5 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	South Garo Hills	South Garo Hills – IWMP III	Water erosion:					
				a	Sheet	500	2500-4000	10-15	
				b	Rill				
				c	Gully				
				Sub total		500			
Wind erosion		Nil	Nil	Nil					

2.6 Climate: The area in the foothills or low lying areas and mid-slopes are hot in summer and remain warm throughout the winter. The area on the higher reaches is warm during summer and cold during winter. The average annual rainfall is 4000 mm.

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	Southern Slopes and Valley	554 Ha	South Garo Hills	South Garo Hills – IWMP – III	Coarse loamy.	554 Ha	4000 mm	Cashewnut	11
									Arecanut	13
									Chilli	12.7
									Ginger	12.7
									Rice	30.7
									Colocasia	12.7
									Maize	12.7
									Pumpkin	12.7
									Turmeric	12.7
									Brinjal	12.7
								Total		121.7

2.7 Agriculture: Agriculture is the primary occupation of the people of the area. The people mostly practice jhum. The jhum plots vary from 3 to 3.5 Ha, and are cultivated for 2-3 years. The principal agricultural crops grown of the jhum fields are tapioca, millet, maize, Colocassia, yam, ginger, turmeric and vegetables. The slopes of the Wamisengre are also very suitable for rubber,arecanutt, betel leaf, cashewnut, etc. 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.)
Millet	12.7	15	190.5
Turmeric	12.7	30	381
Maize	12.7	6	76.2
Colocasia	12.7	35	444.5
Rice	30.7	15	460.5
Ginger	12.7	25	317.5
Tapioca	12.7	30	381
Arecanut	13	12	156
Chilli	12.7	4	50.8
Cow pea	12.7	15	190.5
Pumpkin	12.7	50	635
cucumber	12.7	35	444.5
Cashewnut	11	8	88
Total	181.7	280	3816

2.8 Natural Vegetation: The tree species common to the watershed area includes – *Tectona grandis*, *Tamarindus indica*, *ziziphus jububa*, *Gmelina arborea*, *Emblica officinalis*, *Shorea robusta*, *Bombax cieba*, *Bamboo* etc. However, due to jhum cultivation the forest cover of the area has reduced considerably.

2.9 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 household in the watershed project is 19 with a total population of 98, of which 51 are male and 47 are female.

Village	No. of Household	No. of Male	No. of Female	Total	Average no. of Family
Wamisengre	19	51	47	98	5-6
Total:-	19	51	47	98	5-6

Infrastructure facilities :

2.1.1 *Roads* : The project area is still do not have any road connectivity at present. The Project area depends entirely on kuccha foot path connected to Baghmara.

2.1.2 *School* : There is only 1 L.P School within the Project Area run by the Government.

2.1.3 *Electricity* : No electricity Connection have been provided in this village.

2.1.4 *Health* : There is no Community Health Centre in both the villages and the local population have to either depends on facilities available at Baghmara.

2.1.5 *Water Supply* : No drinking water supply system has been provided by the PHE Deptt. However the entire population have to depend on springs available in the area to meet the daily requirement.

2.1.6 *Market* : There is a weekly market held once in a week at Mindikgre. However, the main market where the people sell their produce is at Baghmara.

Table 2.5: Infrastructure Status.

1	2	3		4			
Name of District	Name of Project	Parameters:		Status			
South Garo Hills	South Garo Hills- IWMP III	(i)	No. of villages connected to the main road by an all-weather road.	Nil			
		(ii)	No. of village provided with electricity	Nil			
		(iii)	No. of households without access to drinking water	19			
		(iv)	No. of educational institutions: Primary (P)/ Secondary (S)/ Higher Secondary (HS)/ Vocational institution (VI)	(P)	(S)	(HS)	(VI)
				1		-	-
		(v)	No. of village with access to Primary Health Centre	Nil			
		(vi)	No. of village with access Veterinary Dispensary	Nil			
		(vii)	No. of village with access Post Office	Nil			
		(viii)	No. of village with access Banks	Nil			
		(ix)	No. of village with access Markets/ mandis	Mindikgre			
		(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	1 No.					
(xiv)	Any other facilities with no. of villages (please specify)	Nil					

2.10 Livestock: there are only 4 kinds of livestock farming being farmed in the area viz. Piggery, Poultry, Goatery, Cattle.

Table 2.6: Existing livestock population

Type of Animal	Population
Piggery	9
Poultry	153
Goatery	2
Cattle	30
Total	194

2.11 Land ownership: There is only one type of land holding system, namely private lands.

2.12 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
South Garo Hills	South Garo Hills – IWMP III	(i) Large	-	-	-	-	-
		(ii) Small	-	-	-	-	-
		(iii) Marginal	19	19	-	181.7	181.7
		(iv) Landless	-	-	-	-	-
		Sub - Total	19	19	-	181.7	181.7

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)
South Garo Hills	South Garo Hills – IWMP III	(i) Wasteland/ degraded land	-	-		159 Ha	-	-	-	159 Ha
		(ii) Pastures	-	-	-	-	-	-	-	-
		(iii) Private Agriculture land	18 Ha	-	-	-	18 Ha			
		(iv) Village woodlot	-	-	-	-				
		(v) Forest	-	-	-	212 Ha				158 Ha
		(vi) Village Ponds/ Tanks	-	-	-	-				
		(vii) Community Buildings	-	-	-	-				
		(viii) Weekly Markets	-	-	-	Mindikgre				
		(ix) Permanent Markets	-	-	-	Baghmara				
		(x) Temples/ Places of worship	-	-	-	nil				
		(xi) Others (Pl. specify)		-	-	165 Ha				165
	Total	18 Ha	-	-	536 Ha	18 Ha	-	-	482 Ha	

2.13 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	=	6 Ha
b) Agricultural land-crop land-kharif crop	=	18 Ha
c) Tree clad Area-close	=	94 Ha
d) Tree clad Area-open	=	118 Ha
e) Cashewnut plantation	=	11 Ha
f) Arecanut plantation	=	13 Ha
g) Other Shifting cultivation current	=	135 Ha
h) Other Shifting cultivation abandoned	=	<u>159 Ha</u>
Total	=	554 Ha

2.14 Problems of the Area : The primary problem of the area is jhumming. Majority of the population depends on jhum Cultivation for their livelihood. Vast tracks of abandoned jhum areas are converted to vegetable and seasonal crops cultivation areas which has further degraded the capability of the land. In other words, unscientific method of cultivation has not only reduced the jhum cycle, low 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 arecanut, 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
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	No
	Hydro-geological survey	No
	Contour mapping	No
	Participatory Net Planning (PNP)	Yes

1	2	2
	Remote sensing data-especially soil/ crop/ run-off cover	Yes
	Ridge to Valley treatment	Yes
	Online IT connectivity between	
	(1) Project and DRDA cell/ZP	Yes
	(2) DRDA and SLNA	Yes
	(3) SLNA and DoLR	Yes
	Availability of GIS layers	
	1. Cadastral map	No
	2. Village boundaries	No
	3. Drainage	Yes
	4. Soil (Soil nutrient status)	Yes
	5. Land use	Yes
	6. Ground water status	No

	7. Watershed boundaries	Yes
	8. Activity	Yes
	Crop simulation models [#]	No
	Integrated coupled analyzer/ near infrared visible spectroscopy/ medium spectroscopy for high speed soil nutrient analysis	No
	Normalized difference vegetation index (NDVI)#	Yes
	Weather Stations	No
B.	Inputs	
	1. Bio-pesticides	No
	2. Organic manures	Yes
	3. Vermi-compost	Yes
	4. Bio-fertilizer	Yes
	5. Water saving devices	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 (C.C) Division, Baghmara 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	
South Garo Hills	South Garo Hills– IWMP III	(i) Type of organization#	Government
		(ii) Name of organization	Soil & Water Conservation (C.C) Division, Baghmara
		(iii) Designation & Address	Divisional Soil & Water Conservation Officer, Baghmara
		(iv) Telephone	03639 – 2222139
		(v) Fax	03639 – 2222139
		(vi) E-mail	baghmarasoil@gmail.com

3.3 Institution Building

i) Watershed Committee (WC)

The Watershed Committee of Wamisengre, IWMP-III was constituted with the active involvement of the villagers with strong support of the Traditional Institutions (Village Durbar/Council). The Wamisengre Watershed Committee is yet to be registered under the Society Registration Act 1860.

Table 3.2: Details of Watershed Committees (WC):

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
Names of the Districts	Names of projects	Names of WCs	Date of Registration as a Society (dd/mm/yyyy)	Designation	M/F	SC	ST	SF	MF	LF	Land-less	UG	SHG	GP	Any other	Educational qualification	Function/s assigned#		
South Garo Hills District	South Garo Hills District – IWMP – III	Rongtra Micro Watershed	Yet to be Registered	President	M	-	ST		1							Cl – X	A to I		
				Secretary	M	-	ST										B.Sc Agri	A to I	
				Member	4 M	-	ST		4									Cl – VI	Do
				Member	3 F	-	ST		3									to X	Do

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

ii) Self Help Group

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

Table 3.3: Details 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
South Garo Hills	SGH. IWMP III	-	-	-	-	(i) Landless									
						(ii) SF									
						(iii) MF	0	0	0	0	0	0	NA	NA	NA
						(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
South Garo Hills	South Garo Hills- IWMP -III					(i) Landless									
						(ii) SF									
						(iii) MF									
						(iv) LF									
Total		Nil	Nil	Nil	Nil			Nil			Nil			Nil	

CHAPTER IV
PROJECT ACTIVITIES

CHAPTER IV PROJECT ACTIVITIES

4.1 Preparatory Phase:

i) Entry Point Activities (EPA)

(Financial – Rs. in lakh)

1	2	3	4	5	6	7	8	9	10	11
Sl. No.	State	District	Names of Project	Amount earmarked for EPA	Entry Point Activities planned	Estimated cost	Expenditure incurred	Balance	Expected outcome	Actual outcome
1	Meghalaya	South Garo Hills	South Garo Hills – IWMP III	3.00	Spring Chamber with Water Storage tank	3.00	3.00	Nil	Safe Drinking Water to the Community	Safe Drinking Water to the Community

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)
South Garo Hills	South Garo Hills – IWMP III	1 no. W/C and 1no. of watershed association	3 nos.	2 nos.	Participatory Rural Appraisals	N.A	Done	Done	Done	Done	-	1.5

8											9	10
Achievement due to project												
Augmentation/ repair of existing structures				Construction of new structures				Total achievement			Change in storage capacity (col 8-6)	Change in irrigated area (ha) Col. (8-6)
No	Area irrigated (ha)	Storage capacity	Expenditure incurred (in lakhs)	No	Area irrigated (ha)	Storage capacity	Expenditure incurred (in lakhs)	Area irrigated (ha)	Storage capacity	Estimated incurred		-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	8 nos.	40	8304	6.0	-	-	-	-	-
-	-	-	-	-	--	-	-	-	-	-	-	-
-	-	-	-	8 nos.	64 Ha	10400 m ³	9.60	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	450Rm	7.5	-	1.125	-	-	-	-	-
-	-	-	-	6 Nos	32		4.80	-	-	-	-	-
-	-	-	-	6 Nos	40	9888m ³	6.0					
				29 nos.& 450 Rm	183.5 Ha	28592 m³	26.525					

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

1	2	3	4	5		6						7						8						9
				Pre-project		Proposed target						Achievement due to project												
				No.	Area irrigated (ha)	Augmentation/ repair of existing recharging structures			Construction of new recharging structures			Total target		Augmentation/ repair of existing recharging structures			Construction of new recharging structures			Total achievement				
No.	Area to be irrigated (ha)	Estimated cost	No.			Area to be irrigated (ha)	Estimated cost	Area to be irrigated (ha)	Estimated cost	No.	Area irrigated (ha)	Expenditure incurred	No.	Area irrigated (ha)	Expenditure incurred	Area irrigated (ha)	Expenditure incurred							
S. No.	Names of States	Names of Districts	Names of projects	Type of structures		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		Change in irrigated area (Col. 8-6) (ha)
				No.	Area to be irrigated (ha)			Estimated cost	No.	Area to be irrigated (ha)	Estimated cost	Area to be irrigated (ha)	Estimated cost	No.	Area irrigated (ha)	Expenditure incurred	No.	Area irrigated (ha)	Expenditure incurred	Area irrigated (ha)	Expenditure incurred			
				(i)Open wells																				
				(ii)Bore wells																				
			South Garo Hills - IWMP-III	(iii)Any others		Nil	Nil																	
			1 Dug Out Pond		8			-	6.0	Nil														
				2 Water Harvesting																				
				Total for the project																				

4.2.3 Activities executed by User Groups in the Project Areas.

		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)			
South Garo Hills	South Garo Hills – IWMP III							

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	

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
South Garo Hills	South Garo Hills – IWMP III	1.Piggery	7	2.10
		2.Poultry	7	2.10
		3.Weaving	6	1.80
		4. Betel nut Processing	4	2.0
		5. Duckery	7	1.75

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

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

4.2.7 Other activities of watershed works phase:

1	2	3		4		5		6		7		8		9		10		11		12		13
District	Names of projects	Ridge area treatment		Drainage line treatment		Nursery raising		Land development		Crop demonstrations		Pasture development		Veterinary services		Fishery development		Non-conventional energy		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)			
SGH	SGH IWMP -III	75 Ha	6.975 lakh	183.5 Ha	27.525 lakh	47,985 Nos	3.0 lakh	-	-	-	-	-	-	51 units	835	12 Units	-	-	-	76 Units	-	54.75 lakh

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) Community	(iii) Others (pl. specify)	(i) UG (ii)SHG (iii) Others (pl. specify)	No. of units (No./cum./rmt)	Estimated cost (Rs. in lakh)				Expected month & year of completion (mm/yyyy)	No. of units (No./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		
South Garo Hills	South Garo Hills-IWMP-III	Staggered trenching																				
		Loose boulder																				
		Contour bund																				
		Graded bunding																				
		Protection wall			L	P	C		Beneficiary	5	1.92	2.88	4.8	2012-13								
		Earthen checks dams																				
		Masonry stop Dams																				
		Gully plug																				
		Gabion structures																				
		Underground dykes																				
		Field bunds																				
Any others (pl. specify)																						
		1.CC Check Dam	R	D		P	C		UG Beneficiary	8 No.s	3.84	5.76	9.6	2012-13	8 No.s	3.84	5.76	9.6	2012-13	2012-13		
		2.Water Harvesting								8 No.s	2.4	3.6	6.0	2012-13	8 No.s	2.4	3.6	6.0	2012-13	2012-13		

Contd.

4.2.9 Details of engineering structures in watershed works.

9																		
Outcomes																		
Reduction in run off (cu.m)	Area treated# (ha)	Water level (m)		Production (quintal)		Income (Rs.)		Mandays generated					No. of beneficiaries					
		Pre-project	Post-project	Pre-project	Post-project	Pre-project	Post-project	SC	ST	Others (Men)	Women	Total	SC	ST	Others(men)	Women	Total	
2000	126	1.5	1.3	420	588	6.3	8.82	-	Yes	8612	5741	14353	-	Yes	51	47	98	

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

1	2	3	4			5			6	7				8				
District	Project	Name of structure/ work	Type of treatment			Type of land			Executing agency	Target				Achievement				
			(i) Ridge area (R)	(ii) Drainage line (D)	(iii) Land dev. (L)	(i) Private	(ii) Community	(iii) Others (pl. specify)	(i) UG (ii)SHG (iii) Others (pl. specify)	Area (ha)	No. of plants	Estimated cost (Rs. in lakh)	Expected month & year of completion (mm/yyyy)	Area (ha)	No. of plants	Expenditure incurred (Rs. in lakh)	Actual month & year of completion (mm/yyyy)	
South Garo Hills	South Garo Hills IWM P-III	Afforestation	✓				✓		UG & SHG	35	17,500	62.44	2013-14	-	-	-	-	
		Regeneration												-	-	-	-	
		Agro-forestry												-	-	-	-	
		Fuel wood																
		Fodder																
		Agro-Horticulture													-	-	-	-
		Pasture dev.																
		Nursery raising						✓			35 Ha	47,985	3.0	2013-14				
		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.

4.2.12 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)	Expenditure incurred (Rs. in lakh)	Actual month & year of completion (mm/yyyy)
South Garo Hills	South Garo Hills-IWMP III	Carpentry			7 units	Individual	0.35	2013-14		
		Bee keeping(Apiculture)			10 units	Individual	0.80	2013-14		
		Poultry			22 units	Individual	3.3	2013-14		
		Pisciculture			12 units	Individual	1.20	2013-14		
		Piggery Farming			22 units	Individual/SHGs	3.3	2013-14		
		Compos-pit			6 units	Individual	0.15	2013-14		
		Kitchen gardening			18 units	Individual	0.45	2013-14		
		Tailoring			10 units	Individual	0.80	2013-14		
		Agricultural implements			7 units	Individual	0.35	2013-14		
		Weaving			14 units	Individual/SHGs	2.80	2013-14		
		Duckery			7 units	SHGs	1.75	2013-14		
		Betel nut Processing			4 units	SHGs	2.0	2013-14		

(Contd.)

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

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

4.2.13 Details of allied / other activities:

8											
Outcomes											
Income (Rs.)		Mandays generated					No. of beneficiaries				
Pre-project	Post project	SC	S T	Others	Women	Total	SC	ST	Others (men)	Women	Total
Nil	8.33		yes	2988	1992	4980		yes	51	47	98

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													
South Garo Hills	South Garo Hills-IWMP-III	Wamisengre	CPRs	Repairing	-	3.25	100	0.1625							

CHAPTER V
PROJECT PHASING & BUDGETING

CHAPTER V PROJECT PHASING & BUDGETING

ACTION PLAN OF RONGTRA MICRO WATERSHED UNDER IWMP-III

Name of District:	South Garo Hills
Name of C&RD Block:	Baghmara

Sl No.	Activities	1st Year		2nd Year		3rd Year		4th Year		5th Year		Total	
		Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14
I	MANAGEMENT COST 10 %			2 %		5 %		3 %				10 %	
A	Administration Cost												
i	Honourarium of WDT Members @ Rs. 5,000 Month: 1 No.			12 Mnths	0.60	24 Mnths	1.20	12 Mnths	0.60			48 Mnths	2.40
ii	Honourarium of Watershed Volunteers @ Rs 2,000 Month-2 Nos			3 Mnths	0.12	14 Mnths	0.56	7 Mnths	0.28			24 Mnths	0.96
iii	Honourarium WCO's @ Rs. 750 Month			3 Mnths	0.0225	14 Mnths	0.105	7 Mnths	0.0525			24 Mnths	0.18
iv	Honourarium Chartered Accountant				0.15		0.15		0.15				0.45
v	TA/DA of Field Asstt. @ Rs. 5000 Month			3 Mnths	0.15	15 Mnths	0.75	6 Mnths	0.30			24 Mnths	1.20
vi	Hiring charges of office building @ Rs 2000			2 Mnths	0.04	16 Mnths	0.32	6 Mnths	0.12			24 Mnths	0.48
vii	Hiring charges of vehicle @ Rs. 2000			2 Mnths	0.04	6 Mnths	0.12	4 Mnths	0.08			12 Mnths	0.24
viii	Office expenses, PQL, Stationeries, printing of SHG's books, pamphlets, tea, snacks etc.				0.3775		0.545		0.6675				1.59
	Total of A			25 Mnth	1.50	89 Mnth	3.75	42 Mnth	2.25			156 Mnth	7.50
	PREPARATORY PHASE 4 %		4 %										4 %
B	Entry Point Activites:												
i	Construction of Drinking Water System Spring Chamber with Tank @ Rs. 1,00,000	3 Nos	3.00									3 Nos.	3.00
	Total of B	3 Nos	3.00									3 Nos.	3.00
C	Training 5 %		1 %	2 %		1 %		1 %				5 %	
i	Community Organization	1 No.	0.35	1 No.	0.25							2 Nos.	0.60
ii	Training of WDT at NIRD/ Guwahati			1 No.	0.25	1 No.	0.25	1 No.	0.25			3 Nos.	0.75
iii	Taining for W.C	1 No.	0.40	1 No.	0.25							2 Nos.	0.65
iv	Taining for SHGs			1 No.	0.25	1 No.	0.25		0.25			2 Nos.	0.75
v	Taining for Farmers			1 No.	0.25	1 No.	0.25	1 No.	0.25			3 Nos.	0.75
vi	Training for Ugs			1 No.	0.25							1 Nos.	0.25
	Total of C	2 Nos	0.75	6 Nos	1.50	3 Nos	0.75		0.75			13 Nos.	3.75

D	Detailed Project Report	1 %	1 %								1 %	
i	1 No. of vehicle hiring charge	30 Days	0.50								30 Days	0.50
ii	Detail Base Line Survey, Identification of Engineering Structures, PRA Exercise, Making Estimate & Project Report etc.		0.25									0.25
	Total of D	30 Days	0.75								30 Days	0.75
E	Monitoring & Evaluation	2 %		0.5 %		1 %		0.5 %			2 %	
i	Monitoring			1 No.	0.15	1 No.	0.375	1 No.	0.225		3 Nos	0.75
ii	Evaluation			1 No	0.225	1 No.	0.375	1 No.	0.15		3 Nos	0.75
	Total of E			2 Nos.	0.375	2 Nos	0.75	2 Nos.	0.375		6 Nos	1.50
	Total of I (A to E)	0 Mnths 5 Nos 30 Days	4.50	25 Mnths 8 Nos.	3.375	89 Mnths 5 Nos.	5.25	42 Mnths 2 Nos.	3.375		156 Mnths 20 Nos. 30 Days	16.50
II	PROJECT COST/ WATERSHED WORKS PHASE			7.5 %		35 %		7.5 %			50 %	
A.	Non-Arable Land Treatment	50 %										
i	Nursery Establishment-Arecanut for 35 Ha							35 Ha	3.00		35 Ha	3.00
ii	Afforestation (Non Pine) 35 Ha @ Rs. 10,100/-											
	a) Preliminary Year @ Rs. 1,700 /- per Ha			35 Ha.	0.595						35 Ha.	0.595
	b) 1st Year Planting @ Rs. 5,500 /- per Ha					Mntce	1.925					1.925
	c) 2nd Year Planting @ Rs. 2,900 /- per Ha							Mntce	1.015			1.015
iii	Rubber Plantation 40 Ha. @ Rs. 8,600											
	a) Pre-Work @ Rs. 1,300 /- per Ha.			40 Ha	0.52						40 Ha	0.52
	b) 1st Year Planting including cost of Rubber Stump @ Rs. 4,600 /- per Ha.					Mntce	1.84					1.84
	c) 2nd Year Planting @ Rs. 2,700 /- per Ha.							Mntce	1.08			1.08
	Total of A			75 Ha.	1.115		3.765	35 Ha	5.095		110 Ha.	9.975
B	Drainage Line Treatment											
i	Small Dug-Out Pond @ Rs. 75,000			2 Nos.	1.50	6 Nos.	4.50				8 Nos.	6.00
ii	Protect/ Retaining Wall @ Rs. 80,000			1 No.	0.80	5 Nos.	4.00				6 Nos.	4.80
iii	Water Harvesting Structure @ Rs. 75,000			1 No.	0.75	7 Nos.	5.25				8 Nos.	6.00
iv	C.C Check Dam @ Rs. 1,20,000			1 No.	1.20	7 Nos.	8.40				8 Nos.	9.60
v	Run-off Disposal/ Diversion Channel as per Estimate			100 Rm	0.26	150 Rm.	0.335	200 Rm	0.53		450 Rm.	1.125
	Total of B			5 No.	4.51	25 Nos. 150 Rm.	22.485	0 Nos.	0.53		30 Nos 450 Rm.	27.525
	Total of A+ B	50 %		100 Rm 75 Ha. 5 Nos.	5.625	150 Rm. 25 Nos.	26.25	200 Rm 35 Nos.	5.625		450 Rm. 110 Ha. 30 Nos.	37.50

C	Livelihood Activities	10		1 %		3 %		6 %		10 %		
	for the asset less persons											
i	Tailoring @ Rs	8,000 /- Unit		2 Units	0.16	3 Units	0.24	5 Units	0.40	10 Units	0.80	
ii	Carpentry @ Rs	5,000 /- Unit		1 Unit	0.05	1 Unit	0.05	5 Units	0.25	7 Units	0.35	
iii	Kitchen Gardening @ Rs	2,500 /- Unit		2 Units	0.05	3 Units	0.08	13 Units	0.325	18 Units	0.45	
iv	Weaving @ Rs	12,500 /- Unit		1 Unit	0.125	4 Units	0.50	3 Units	0.375	8 Units	1.00	
v	Piggery @ Rs	8,000 /- Unit		1 Unit	0.08	5 Units	0.40	9 Units	0.72	15 Units	1.20	
vi	Poultry @ Rs	8,000 /- Unit		1 Unit	0.08	5 Units	0.40	9 Units	0.72	15 Units	1.20	
vii	Apiculture @ Rs	8,000 /- Unit		1 Unit	0.08	2 Units	0.16	7 Units	0.56	10 Units	0.80	
viii	Pisciculture @ Rs	10,000 /- Unit		1 Unit	0.10	3 Units	0.30	8 Units	0.80	12 Units	1.20	
ix	Compos Pit @ Rs	2,500 /- Unit		1 Unit	0.025	3 Units	0.075	2 Units	0.05	6 Units	0.15	
x	Agricultural implements @ Rs	5,000 /- Unit				1 Unit	0.05	6 Units	0.30	7 Units	0.35	
				11 Units	0.75	30 Units	2.25	67 Units	4.50	108 Units	7.50	
D	Production System	13 %		1 %		5 %		7 %		13 %		
i	Piggery @ Rs	30,000 /- Unit				3 Units	0.90	4 Units	1.20	7 Units	2.10	
ii	Poultry @ Rs	30,000 /- Unit				4 Units	1.20	3 Units	0.90	7 Units	2.10	
iii	Weaving @ Rs	30,000 /- Unit				3 Units	0.90	3 Units	0.90	6 Units	1.80	
iv	Betel Nut Processing @ Rs	50,000 /- Unit		1 Unit	0.50	1 Unit	0.50	2 Units	1.00	4 Units	2.00	
v	Duckery @ Rs	25,000 /- Unit		1 Unit	0.25	1 Unit	0.25	5 Units	1.25	7 Units	1.75	
	Total of D			2 Units	0.75	12 Units	3.75	17 Units	5.25	31 Units	9.75	
E	Consolidation & Exit Phase	5 %							5 %	5 %		
i	Repairing of Small Dug-out Pond								5 Nos.	0.50	5 Nos.	0.50
ii	Repairing of Protection/ Retaining Wall								5 Nos.	0.75	5 Nos.	0.75
iii	Repairing of Water Harvesting Structure								5 Nos.	1.00	5 Nos.	1.00
iv	Repairing of C.C Check Dam								5 Nos.	1.00	5 Nos.	1.00
v	Preparation of Project Completion Report								1 No.	0.25	1 No.	0.25
vi	Documentation of the Project								1 No.	0.25	1 No.	0.25
	Total of E								22 Nos.	3.75	22 Nos.	3.75
	Total of II (A+B+C+D+E)				7.125		32.25		15.375	3.75	58.50	
	Grand Total		4.50		10.50		37.50		18.75	3.75	75.00	
		100 %	6 %	14 %		50 %		25 %	5 %	100 %		


L. N. Marak
 Divisional Officer
 Baghmara, Soil Cons. (C.C.) Division
 Baghmara, South Garo Hills.


Deputy Commissioner
 South Garo Hills, Baghmara

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2010-11
AT WAMISENGGRE VILLAGE UNDER RONGTRA MICRO WATERSHED,SGH - IWMP-III**

Name of Village : Wamisenggre

Total No. of Job Card Holder : 19 Household

Total Wage Component @ Rs 117/- per annum in the 1st year	Rs. 41,280
Total Wage Component @ Rs 117/- per annum in the 2nd year	Rs. 7,02,240
Total Wage Component @ Rs 117/- per annum in the 3rd year	Rs. 41280
Total Wage Component @ Rs 117/- per annum in the 4th year	Rs. 0
Total Wage Component	= Rs. 7,84,800

Sl No	Activities	Units	PROJECT PERIOD												Total			Mandays to be Generated	
			2011-12			2012-13			2013-14			2014-15			Financial				
			Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial			
				Wages	Material		Wages	Material		Wages	Material		Wages	Material		Wages	Material		Total
1	Small Dug out Pond @ Rs. 75,000	Nos.				3	1,35,000	90,000							3	1,35,000	90,000	2,25,000	1154
2	Rubber Plantation @ Rs. 8,600 per Ha.	Ha.	8	41,280	27,520	14	72,240	48,160	8	41,280	27,520				30	1,54,800	1,03,200	258000	1323
3	Protection Wall/Retaining Wall @ Rs. 80,000/-	Nos.				3	1,44,000	96,000							3	1,44,000	96000	240000	1231
4	Water Harvesting @ Rs. 75,000/-					3	1,35,000	90,000							3	135000	90000	225000	1154
5	CC Check Dam @ Rs. 1,20,000/-					3	216000	1,44,000							3	216000	144000	3,60,000	1846
	Total			41,280	27,520	12	7,02,240	4,68,160		41,280	27,520				12	7,84,800	5,23,200	13,08,000	6708
			8	Ha		14	Ha		8	Ha.					30	Ha.			

Amount Allocated for Coverage for the period 2011-12 to 2014-15

1. Wage Component Rs 784800
2. Material Component Rs. 523200

Grand Total Rs. 1308000

Grand Total (Rupees Thirteen lakh eight thousand) only

Divina Saneyma
President,
Wamisenggre V.E.C.
Baghmara C&RD Block
South Garo Hills

[Signature]
Deputy Commissioner
South Garo Hills,
Deputy Commissioner
South Garo Hills, Baghmara

Paulin Marakh.
Secretary,
Wamisenggre V.E.C.
Baghmara C&RD Block
South Garo Hills

[Signature]
L. N. Marak
Divisional Officer
Baghmara, Soil Cons. (C.C.) Division
Baghmara, South Garo Hills.

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

1 S L No	2 Name of State	3 Name of Districts	4 Names of Projects	5 Year of sanction	6 Project duration (dd/mm/yyyy)		7 Area of the projects	8 Project cost (Rs. In lakh)	9 Names of Micro watersheds & Code nos. (as per DoLR's unique codification)	10 Area (ha) of the projects				11 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) Per manent					
1	Meghalaya	South Garo Hills	South Garo Hills – IWMP III	2010-11	2010-11	2014-15	500 Ha	75 Lakhs	Rongtra	181.7	Nil	318.3	-	18	94	150	238	500

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	
South Garo Hills	South Garo Hills – IWMP III	67.50 lakhs	7.5 lakhs	NREGS	7.848	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	82.848

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	South Garo Hills	South Garo Hills – IWMP III	State Bank of India, Baghmara Branch	-	Saving	L.N Marak, DS&WCO	Rongtra Micro Watershed Committee	SBI, Baghmara	31679615730	Saving	Chairman W.C, Secretary W.C, Project Leader / WDT

Details of Convergence of IWMP with other Schemes:

	1	2	3	4	5	6	7
Sl. No.	District	Names of projects	Names of Departments with Schemes converging with IWMP	Fund made available to IWMP due to convergence (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	South Garo Hills	South Garo Hills – IWMP III	* Community Rural Development Department NREGS	7.848	(a)Dug-out Pond 3 Nos (b)Rubber Plantation 30 Ha (c)Protection Wall/Retaining Wall 3 Nos (d) C.C Check Dam 3 Nos (e) Water Harvesting 3 Nos	-	Block Level & District Level
2							

Note: Wamisengre village

(a)Dug-out pond 3 No.s

(b)Rubber Plantation 30 Ha

(c)Protection Wall/Retaining Wall 3 nos

(d)CC. Check Dam 3 nos

(e)Water Harvesting 3 nos

Wages-1.35 Lakhs;

Wages-1.548 Lakhs;

Wages-1.44 Lakhs;

Wages-2.16 Lakhs;

Wages-1.35 Lakhs;

Material-0.90 Lakhs;

Material-1.032 Lakhs;

Material-0.90 Lakhs;

Material-1.44 Lakhs;

Material- 0.90 Lakhs;

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				
South Garo Hills	South Garo Hills IWMP-III	-	-			-	-	-	-	-	-

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

CHAPTER VI
CAPACITY BUILDING

CHAPTER VI CAPACITY BUILDING

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

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

1	2	3	4	5	6	7	8	9				
S. No	State	Name of the Training Institute	Full Address with contact no., website & e-mail	Name & Designation of the Head of Institute	Type of Institute [#]	Area(s) of specialization ^{\$}	Accreditation details	Performance				
								Reference Year	No. of trainings assigned	No. of trainees to be trained	No. of trainings conducted	No. of trainees trained
1	Meghalaya	NIRD (NER)	Guwahati	Director	Central Govt.	Remote Sensing, Rural Devt.	NA	2011-12 & 2012-13	3	20	-	-
2		SIRD	Nongsder	Director	State Govt.	Capacity Building	NA	2011-12 & 2012-13	3	15	-	-
3		RRTC	Umran	Director	Don-Bosco	Agri-Horti, Animal Husbandry, Entrepreneurship	NA	2011-12 & 2012-13	3	25	-	-
4		ICAR	Umiam	Director	Central Govt.	Do	NA	2011-12 & 2012-13	3	30	-	-
5		NEHU	Tura, Campus	Director	State Govt.	Academic and Research	NA	2011-12 & 2012-13	3	15	-	-
6		CTI	Byrnihat	Jt. Director	State Govt.	Watershed management	NA	2011-12 & 2012-13	3	20	-	-

- From Column no. 2, total no. of States implementing the programme, from Column no. 3, no. of training institutes, from column No. 9, total no. of category-wise trainings and trainees may be given at the end of the table for the entire country
- # Central govt. Dept./ State govt. Dept./ Autonomous Body/ Research Institutes/ Universities/ Others (pl. specify)

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

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

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

Table 6.2: Capacity Building activities for the year 2010 – 11 as on 31/03/2011(dd/mm/yyyy)*

1 Project Stakeholders	2 Total no. of persons	3 No. of persons trained so far	4 No. of persons to be trained during current financial year	5 No. of persons trained during current financial year	6 Sources of funding for training		7 Funds utilized (Lakhs)	
					a) DoLR	b) Any other (Pl. specify)	a) DoLR	b) Any other (Pl. specify)
SLNA								
DRDA/ZP cell			25 No.s	-	3.75	-	1.50	-
PIAs			25 Nos.	-				
WDTs			20 Nos.	-				
UGs			20 Nos.	-				
SHGs			30 Nos.	-				
WCs			20 Nos.	-				
GPs			15 Nos.	-				
Community			250 Nos.	-				
Others (Pl. specify)								

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

	1	2	3	4	5
	Activity	Executing agency	Estimated expenditure (Rs.)	Expenditure incurred (Rs.)	Outcome (may quantity, wherever possible)
1.	Awareness	S&WC (CC) Division	0.75	0.75	
2.	Capacity Building	S&WC (CC) Division			

CHAPTER VII
EXPECTED OUTCOME

CHAPTER VII EXPECTED OUTCOME

Table 7.1 Employment related outcomes:

SI No	Name of Village	1										2				
		Wage employment										Self employment				
		No. of mandays					No. of beneficiaries					No. of beneficiaries				
		SC	ST	Others	Women	Total	SC	ST	Others (Men)	Women	Total	SC	ST	Others (Men)	Women	Total
1.	Wamisengre		100 %	11204	7469	18673		100%	51	47	98		100%	51	47	98

Table 7.2 Migration Details:

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

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

Table 7.3 Economic benefits accrued to women:

1		2		3		4
Wages		Training		Livelihoods		Total (Rs. in lakh)
Woman days	Amount (Rs. in lakh)	No. of women participants	Amount (Rs. in lakh)	No. of women beneficiaries	Value of assistance provided (Rs. in lakh)	
7469	7.469	47	1.875	50 No.s	10.65	19.99

* 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	
South Garo Hills District	SGH-IWMP-III	Wamisengre	Community Forest	Fw	6 months	-	19	-	19	Nil

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

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

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

F	for right to	fishing [culture, harvest and sale]
Fw	for right to	collect firewood for domestic purposes
G	for right to	grazing for cattle and
MFP	for right to	collect and sell minor forest produces
P	for right to	passage across the CPR
Rd	for right to	construct a road for access to individual property

S/M	for right to	collect and sell sand and minerals
T	for right to	collect timber for construction of house
Wd	for right to	collect/ use water for drinking
Wi	for right to	use water for irrigation
O	for any right other than indicated above	(please specify)

Table 7.5 Water related outcomes:

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

1	2	3	4	5	6	7	8
Names of Districts	Names of Projects	Sources	Pre-Project level	Mid-term project level	Post-Project level	Increase/decrease (Col. 8 – Col. 6)	Remarks
South Garo Hills District	SGH-IWMP III	Open wells	1.5	1.4	1.3	0.2	-
		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	
South Garo Hills District	SGH-IWMP III	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
South Garo Hills District	SGH-IWMP III					

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

[§] Sprinkler, Drip, PVC pipe, etc.

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

Table 7.6: Vegetation/ crop related outcomes:

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

1	2	3	4						5						6					
			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.			
South Garo Hills District	SGH-IWMP III	Rice	-	30.7	-	15	-	450	-	20	-	15		300	-	20		20		400
		Maize	-	12.7	-	6	-	73.62	-	9	-	6		54	-	7		8		56
		Ginger	-	12.7	-	25	-	306.75	-	9	-	25		225	-	7		29		203
		Turmeric	-	12.7	-	30	-	368.1	-	9	-	30		270	-	7		33		231
		Chilli	-	12.7	-	4	-	49.08	-	9	-	4		36	-	7		7		49
		Tapioca	-	12.7	-	30	-	368.1	-	9	-	30		270	-	7		33		231
		Millet	-	12.7	-	20	-	245.4	-	9	-	20		180	-	7		23		161
		Cowpea	-	12.7	-	15	-	184.05	-	9	-	15		135	-	7		18		126
		Pumpkin	-	12.7	-	50	-	613.5	-	9	-	50		450	-	7		54		378
		Colocassia	-	12.7		35	-	429.45		9		35		315		7		39		273
		Cucumber	-	12.7		35	-	429.45		9		35		315		7		38		266

Note : The Area of Jhum crops decreases in the Mid- term and Post project because of converting it to Permanent Plantation (Rubber & arecanut)

* 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 SI No.	2 Names of States	3 Names of the Districts	4 Name of Projects	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)	
Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.			
	Meghalaya	South Garo Hills District	SGH-IWMP III	Cabbage	-	-	-	-	-	-	3	-	10	-	30	-	5	-	15	-	75	-
				Knol khol	-	-	-	-	-	-	4	-	90	-	360	-	6	-	25	-	570	-
				Mustard	-	-	-	-	-	-	3	-	8	-	24	-	5	-	10	-	50	-
				Raddish	-	-	-	-	-	-	4	-	80	-	320	-	6	-	86	-	516	-
				Cauliflower	-	-	-	-	-	-	5	-	10	-	50	-	7	-	57	-	399	-
			Total for the District																			

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

Irri. – Irrigated Rf – Rainfed

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

1 SI No.	2 Names of States	3 Names of the Districts	4 Name of Projects	5 Name of crops	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 Productio n (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	South Garo Hills District	SGH- IWMP III	Maize	-	12.7	-	6	-	76.2	3	6	8	7	24	42	5	3	9	8	45	24		
				Total for the District																				

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

Irri. – Irrigated Rf – Rainfed

Table 7.6.4 Increase/ Decrease in area under fodder:

1	2	3	4			5		
District	Name of project	Duration of Project	Existing area under fodder (ha)			Achievement (ha)		
			Source/Name of report	Year of reference	Area already under fodder	Area under fodder proposed to be covered through IWMP	Area under fodder actually covered through IWMP	Change in area under fodder
South Garo Hills District	SGH-IWMP III	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
South Garo Hills District	SGH-IWMP III	5 yrs	LULC Map, NESAC, Umiam	2005-06	94 Ha	35 Ha	35 Ha	35 Ha

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

Table 7.6.6 Increase/ Decrease in area under horticulture:

1	2	3	4			5		
District	Name of project	Duration of Project	Existing area under horticulture (ha)			Achievement (ha)		
			Source/Name of report	Year of reference	Area already under horticulture	Area under horticulture proposed to be covered through IWMP	Area under horticulture actually covered through IWMP	Change in area under horticulture
South Garo Hills District	SGH-IWMP III	5 yrs			24	75	75	75

* 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
South Garo Hills District	SGH-IWMP III	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 Names of the Districts	2 Name of Projects	3 Type of Animal	4			5			6			7 Remarks
			Pre-project			Mid-term			Post-project			
			No.	Yield	Income	No.	Yield	Income	No.	Yield	Income	
South Garo Hills District	SGH-IWMP III	Cattle	30	1920	2.16	34	2176	3.26	40	2560	3.84	
		Goat	2	40	0.1	4	80	0.2	7	140	0.35	
		Poultry	153	137.7	0.17	176	158.4	0.2	192	172.8	0.22	
		Piggery	9	288	0.46	12	384	0.61	15	480	0.76	
	Total for all projects											
Total for all Districts												

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

Table 7.7.2 Details of other livelihoods created for landless people:

1	2	3	4	5				6	7					8				
District	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
South Garo Hills District	SGH-IWMP III	Tailoring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Basket - making																
		Stabilized Mud - making																
		Vermi-composting																
		Kitchen - gardening																

(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				
				Sources of funding (Rs.) in Lakhs					Actual Expenditure incurred on activity (Rs.)	No. of farmers trained				No. of farmers taking up activity			
				Project Fund	Beneficiary	Others (pl. specify)	Total			S F	MF	LF	Total	S F	MF	LF	Total
South Garo Hills District	SGH-IWMP	1.Pisciculture	1.26	1.20	0.06	-	1.26	1.20	-	40		40	-	12	-	12	
		2.Tailoring	0.84	0.80	0.04	-	0.84	0.80	-	45		45	-	10	-	10	
		3.Carpentry	0.3675	0.35	0.0175	-	0.3675	0.35	-	50		50	-	7	-	7	
		4.Kitchen Gardening	0.4725	0.45	0.0225	-	0.4725	0.45	-	40		40	-	30	-	30	
		5.Weaving	2.34	2.80	0.14		2.34	2.80	-	45		45	-	10	-	10	
		6. Piggery	3.465	3.3	0.165		3.465	3.3		40		40		20		20	
		7. Poultry	3.465	3.3	0.165		3.465	3.3		55		55		30		30	
		8.Compost pit	0.1575	0.15	0.0075		0.1575	0.15		40		40		10		10	
		9.Duckery	1.8375	1.75	0.0875		1.8375	1.75		50		50		40		40	
		10.Betelnut Processing	2.1	2.0	0.1	-	2.1	2.0		45		45		40		40	

* 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	
(i) 10	22	60,000	-	-	-	-	-
(ii) 20	30	50,000	-	-	-	-	-
(iii) 15	22	35,000	-	-	-	-	-
(iv) 40	110	60,000	-	-	-	-	-
(v) 10	20	45,000					
(vi) 20	40	55,000					
(vii) 40	120	40,000					
(viii) 10	20	35,000					
(ix) 30	100	40,000					
(x) 15	55	35,000					

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.)
South Garo Hills District	SGH-IWMP III	(A) Backward linkages			
		(i) Seed certification	-	-	-
		(ii) Seed supply system	-	-	-
		(iii) Fertilizer supply system	-	-	-
		(iv) Pesticide supply system	-	-	-
		(v) Credit institutions	-	-	2
		(vi) Water supply	-	2	3
		(vii) Extension services	-	5	10
		(viii) Nurseries	-	1	2
		(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		Very poor - poor	Good		
		Ground water structures repaired/ rejuvenated		-	10 nos.		
		Quality of drinking water		Moderate potable	Improved		
		Availability of drinking water		Insufficient	Sufficient		
		Increase in irrigation potential		-	-		
		Change in cropping/ land use pattern		-	-		
		Area under agricultural crop					
		i	Area under single crop	Ha	18	24	
		ii	Area under double crop	Ha.	-	8	
		iii	Area under multiple crop	Ha.	25	50	
			Net increase in crop production area	Ha	43	82	
			Increase in area under vegetation	Ha.	212	247	
			Increase in area under horticulture	Ha.	24	99	
			Increase in area under fuel & fodder		-	-	
			Increase in milk production		-	-	
			No. of SHGs	Nos.	-	10	
			Increase in no. of livelihoods	Nos.	-	38	
			Increase in income	Lakh	0.25 – 0.35	0.35 -0.45	
			Migration		-	-	
			No. of school going children	Nos.	50	104	
			SHG Federations formed	Nos.	-	-	
			Credit linkage with banks	Nos.	-	5	
			Resource use agreements	Nos.	-	3	
		WDF collection & management	Nos.	-	1		
		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
South Garo Hills District	SGH-IWMP III	Rongtra	As per Treatment Plan	58.5 lakhs	87.75 lakhs	58.5 lakhs	-	1 : 1.5	-

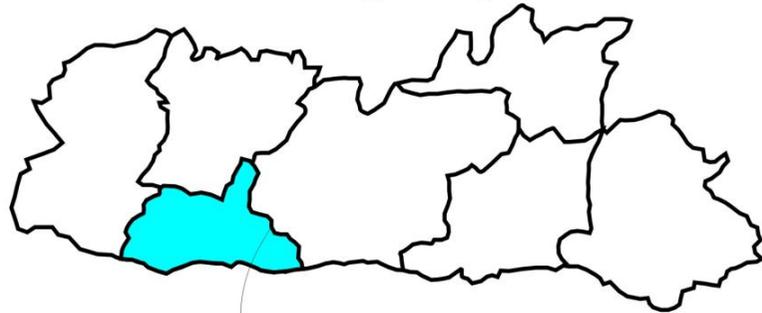
* from column no. 2, total no. of States implementing the programme, from column no. 3, total no. of Districts; from Column no. 4, no. of projects, from column no. 5, no. of WCs, from column no. 6, no. of structures/ activities, from column no. 7 to 10, category-wise# totals, may be mentioned at the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

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

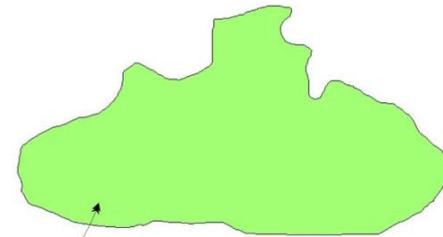
ANNEXURE I
MAPS

Index Map of Rongtra MWS under IWMP-III
South Garo Hills District

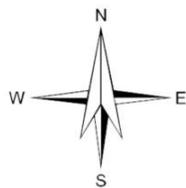
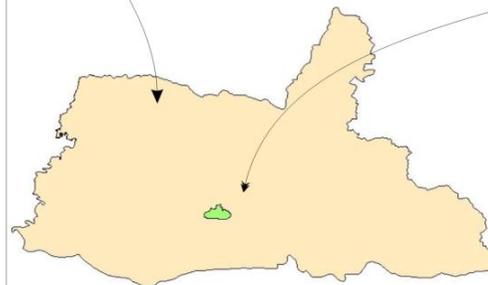
Meghalaya

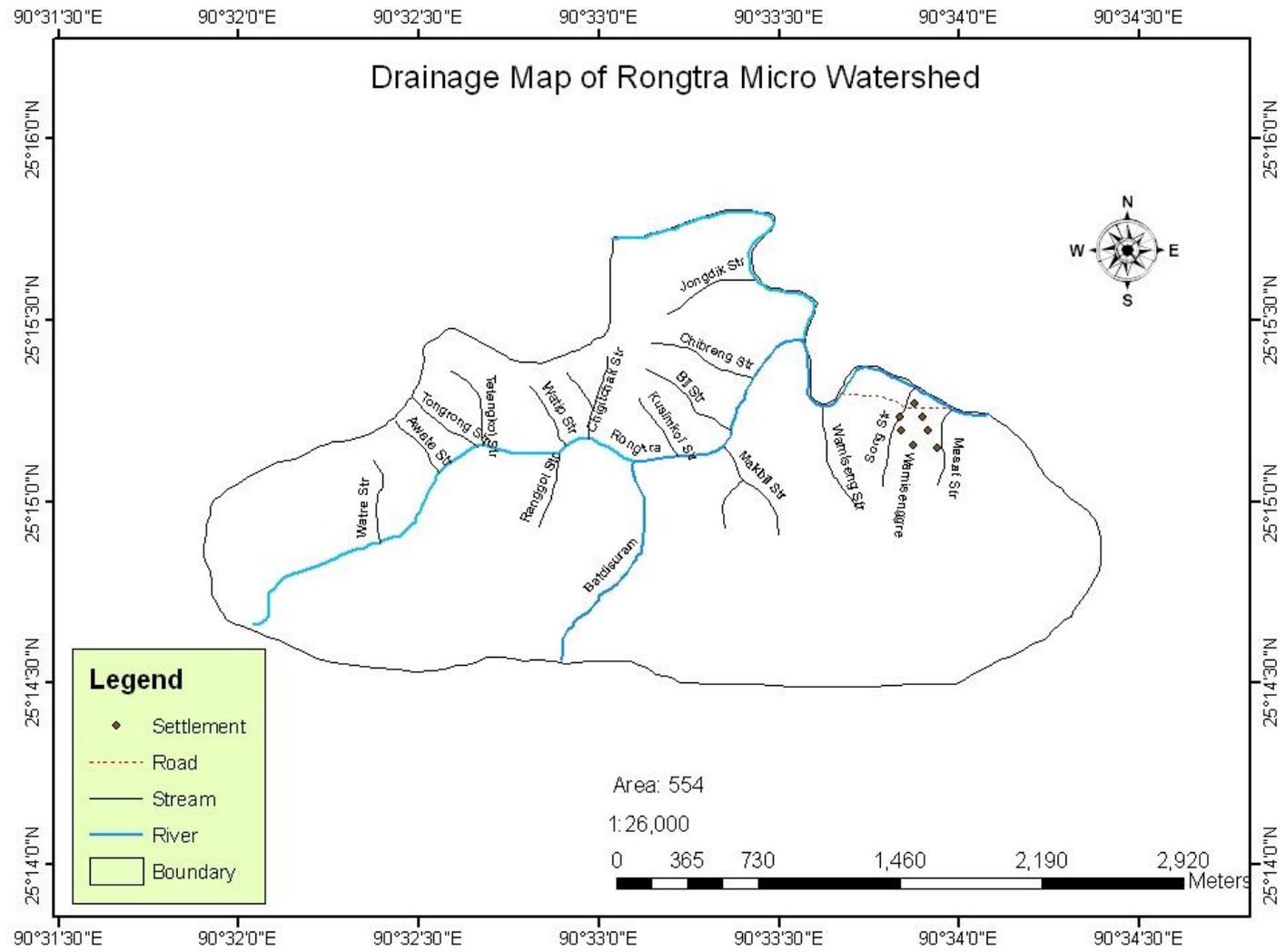


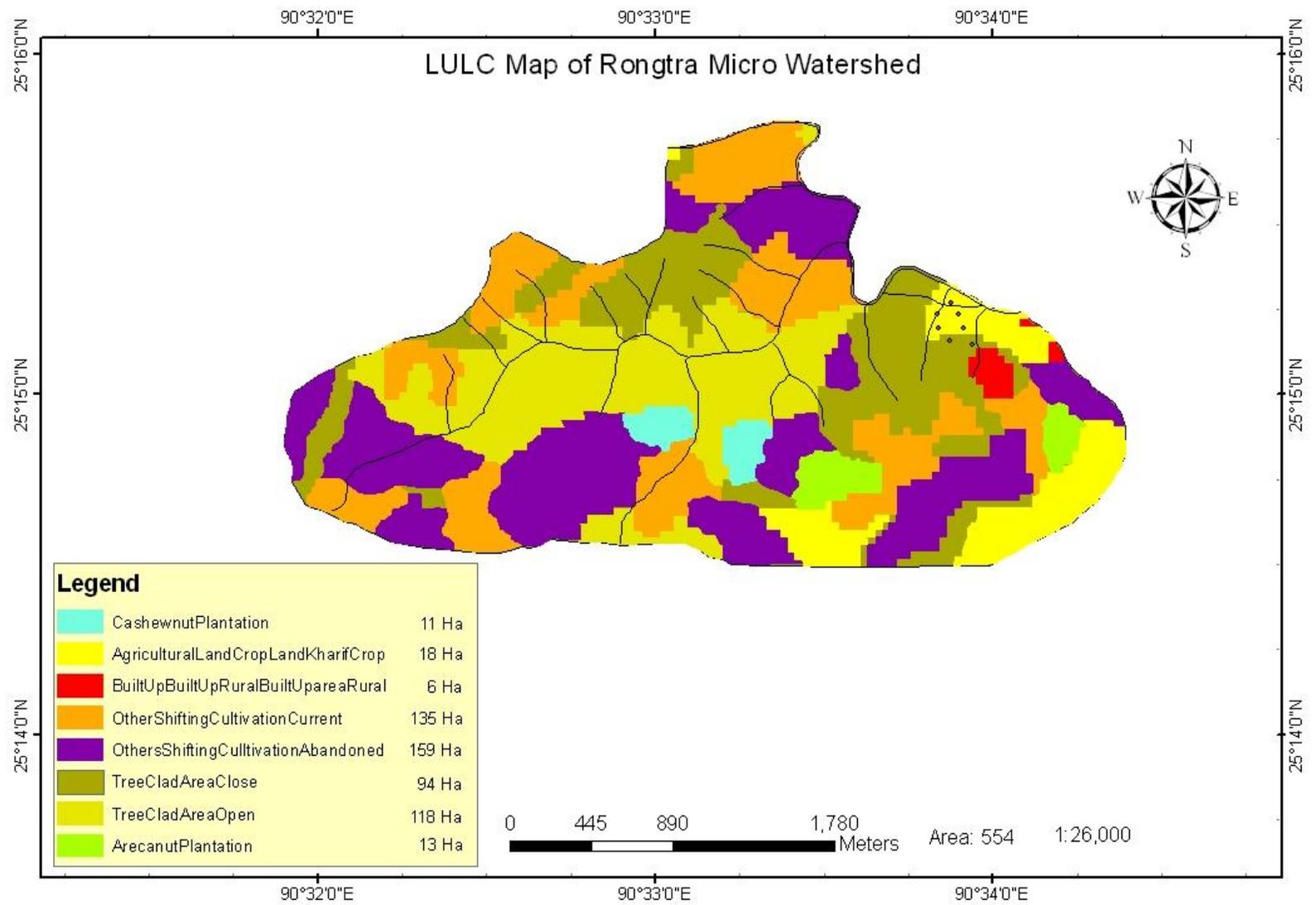
Rongtra Micro Watershed

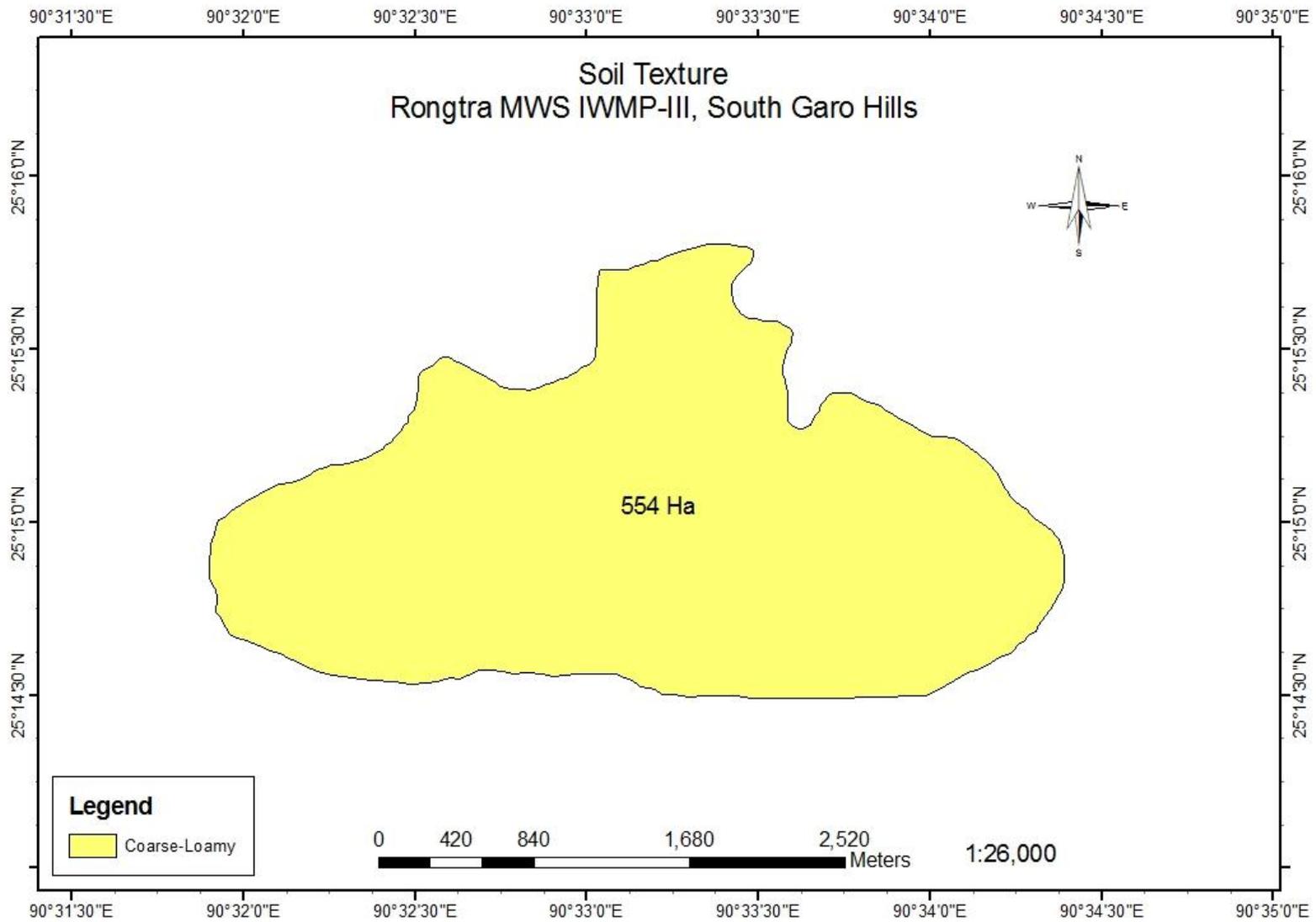


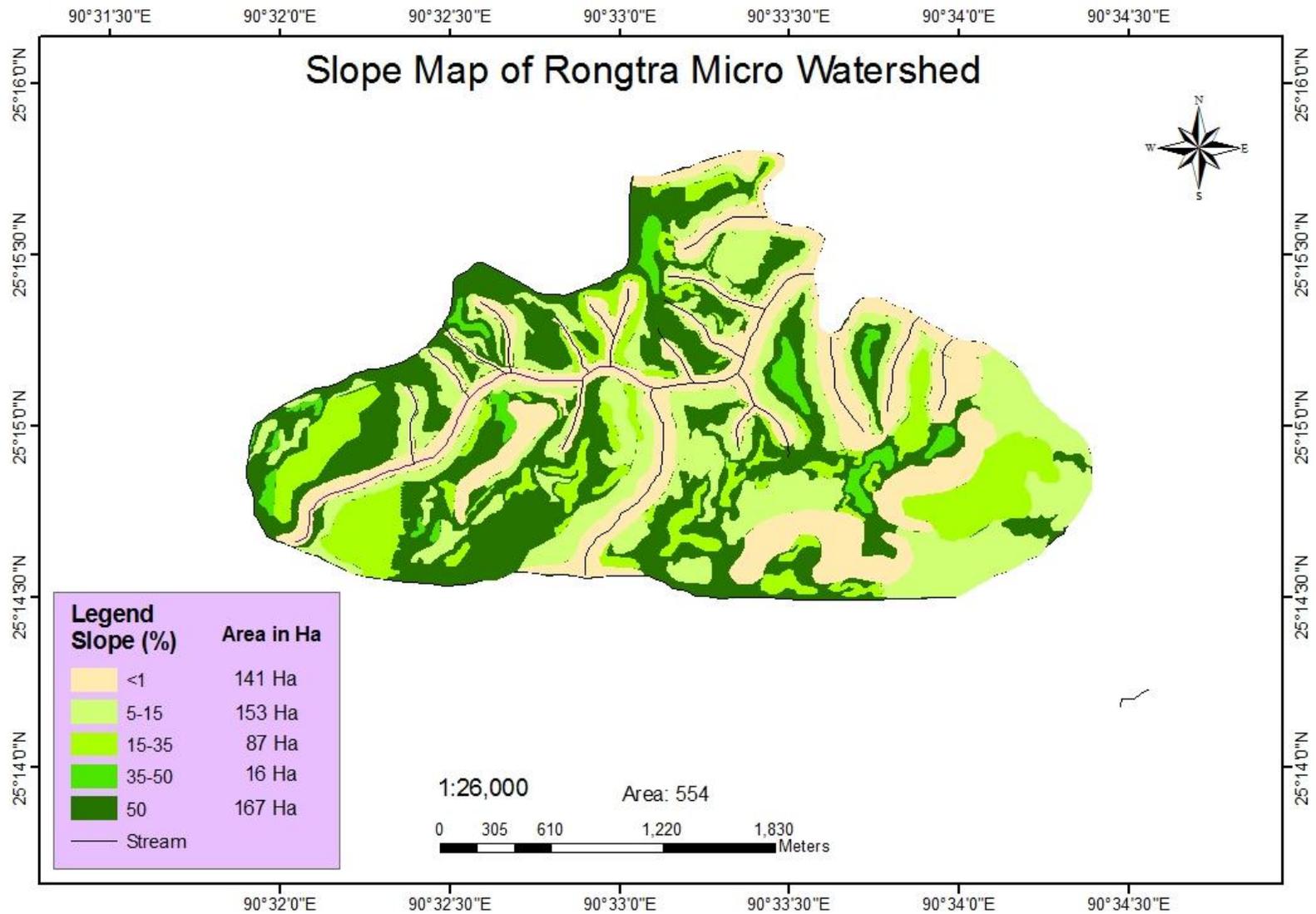
South Garo Hills District

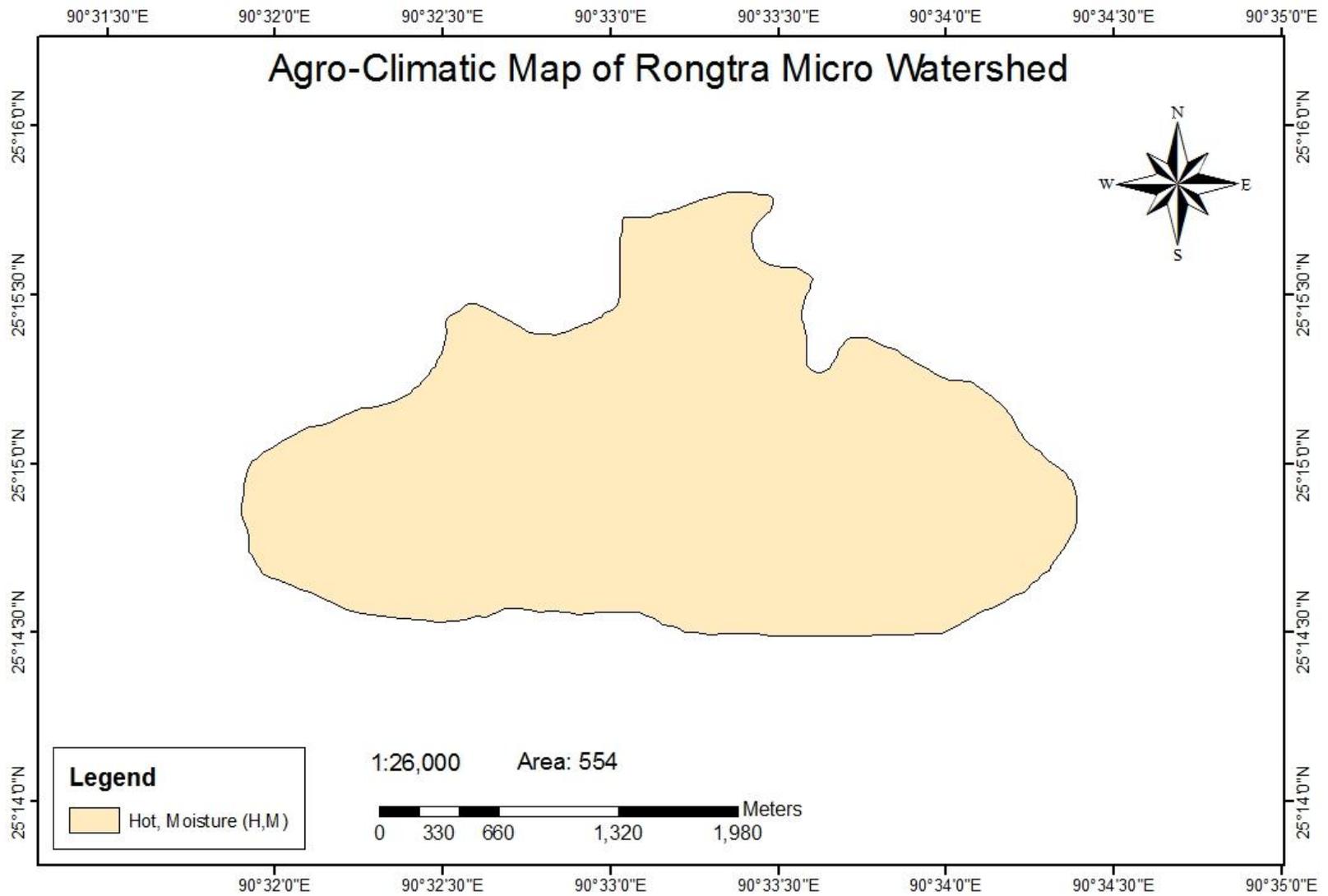


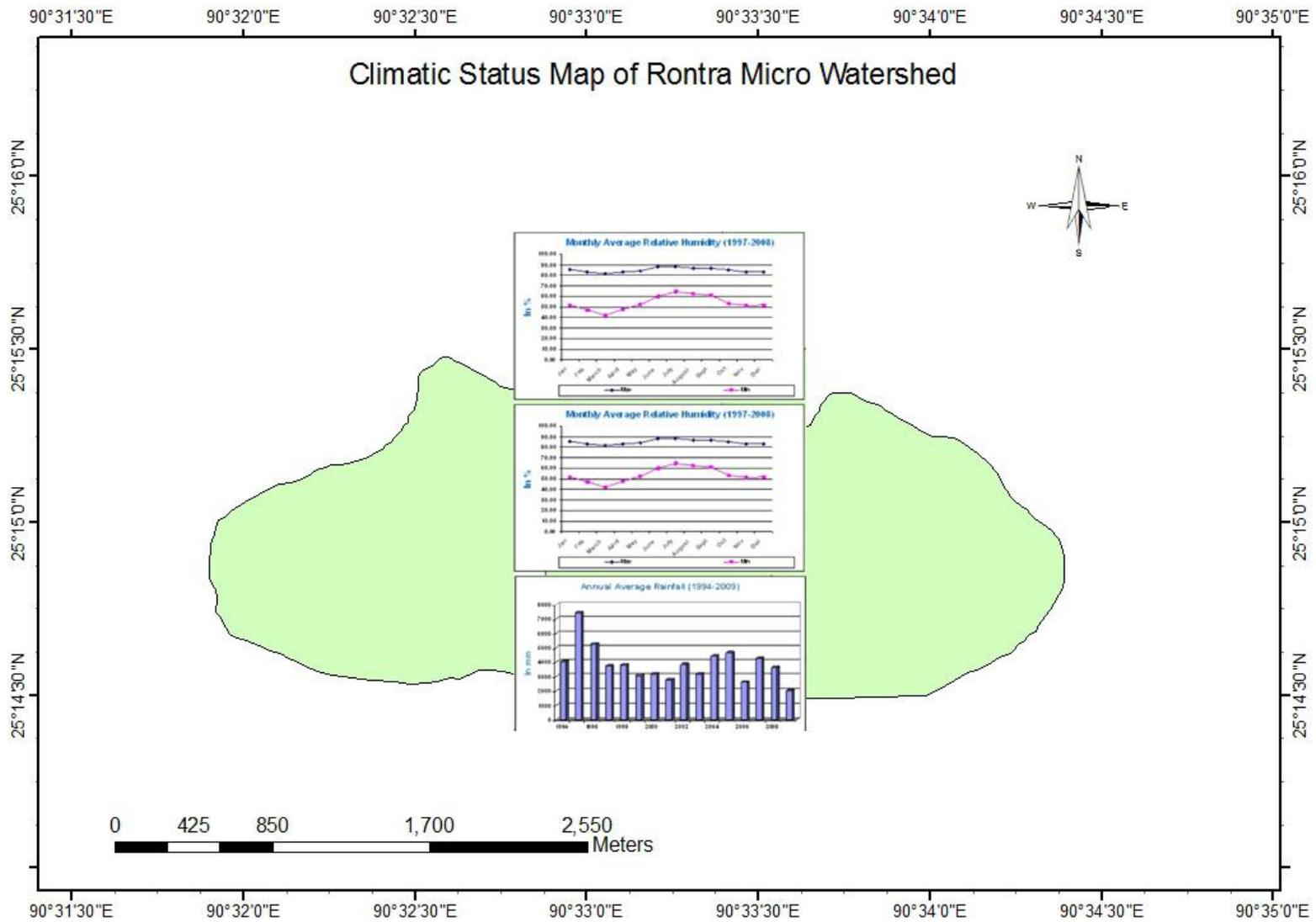


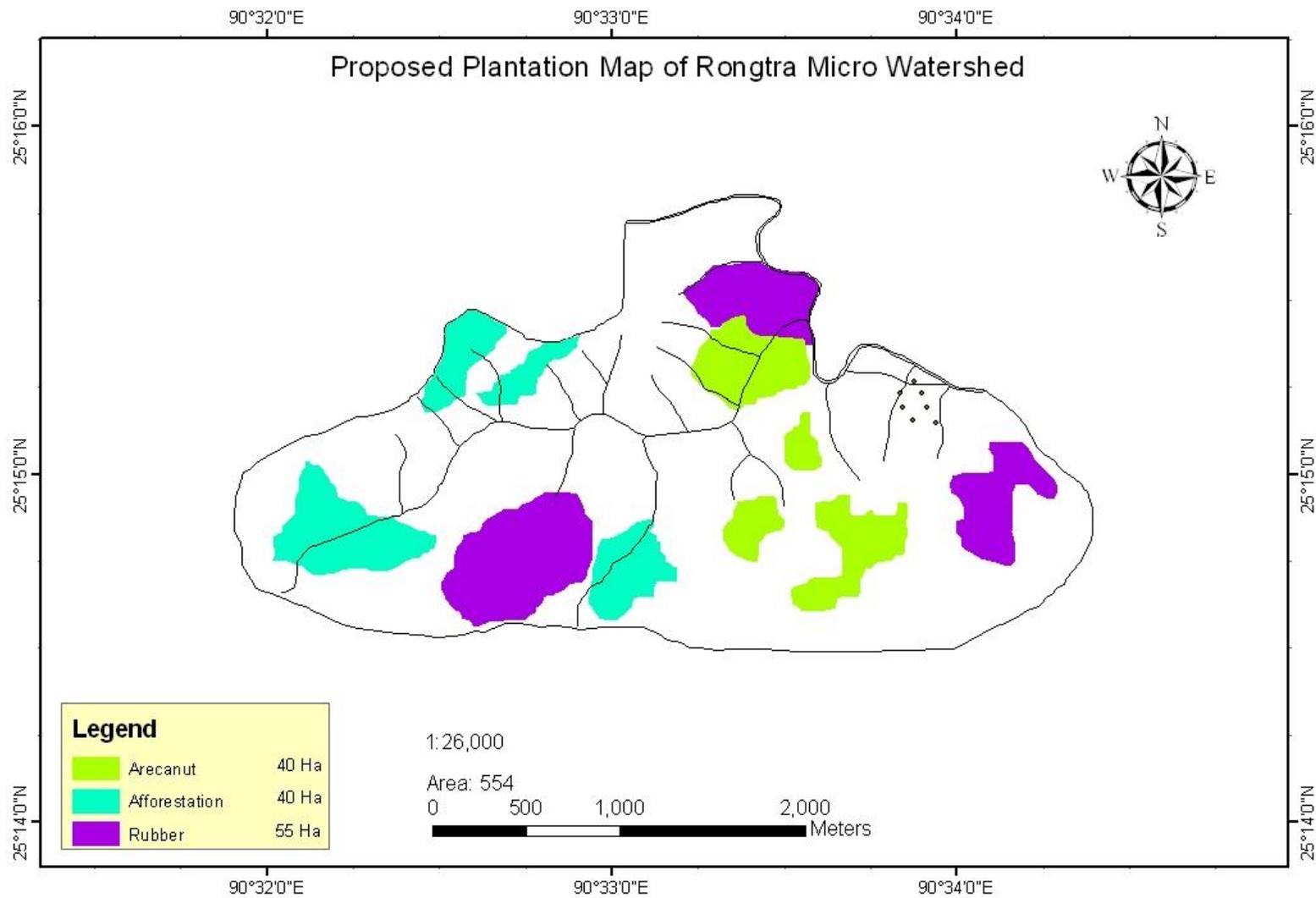


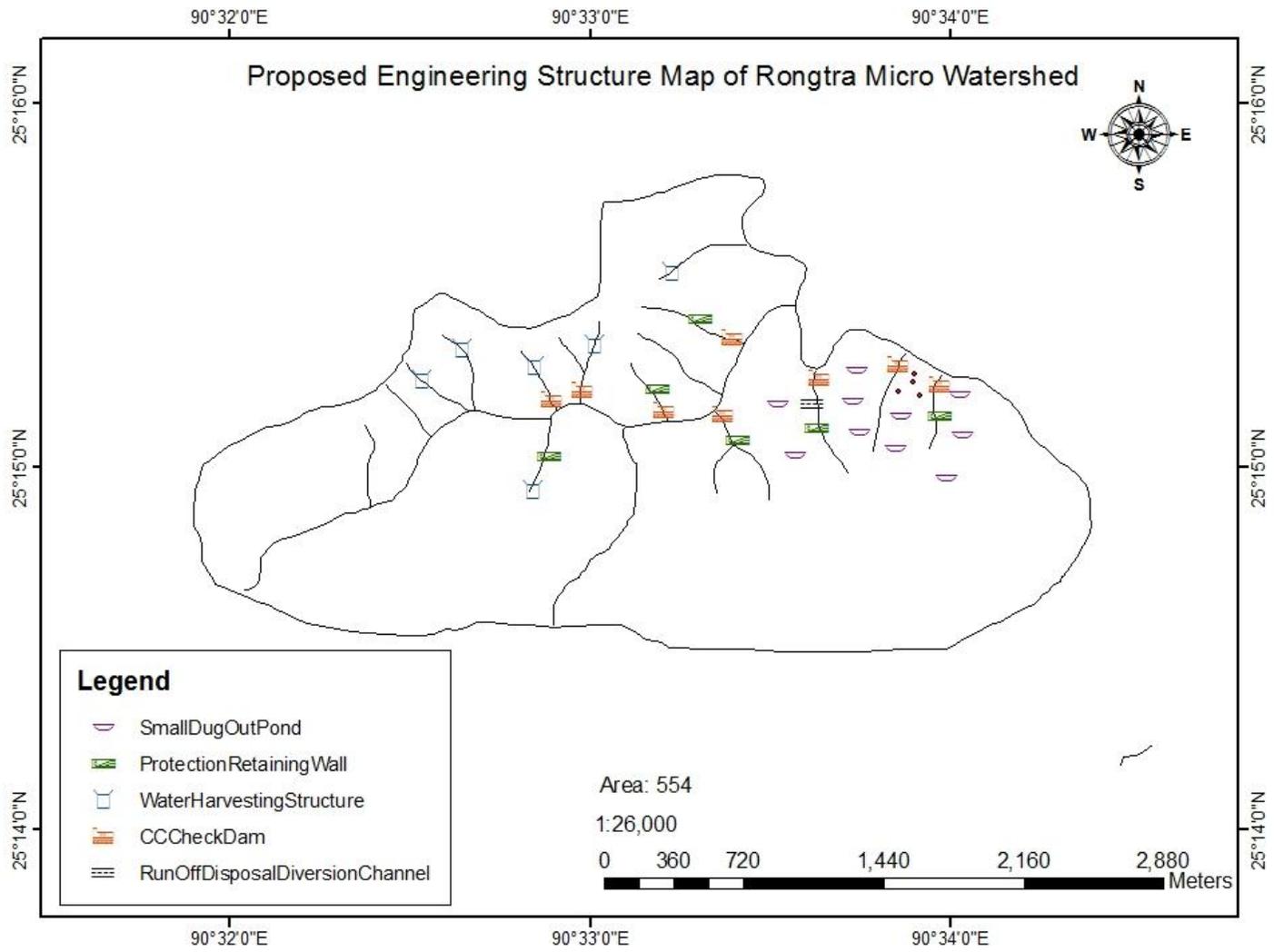












ANNEXURE II

SOCIO-ECONOMIC SURVEY DETAILS

SOCIO ECONOMIC SURVEY

NAME OF THE VILLAGE: - WAMESENGGRE

Sl.No	Name of the Head of the Family	Male	Female	Total	Occupation	Land Holding (Area in Ha)	Live Stock				Total Annual Income
							Cattle	Piggery	Goat	Poultry	
1	2	3	4	5	6	7	8	9	10	12	13
1	Shri. Kechunar S. Marak	7	5	12	Farmer	1	2	1	0	14	32,000.00
2	Shri. Pauline S. Marak	3	3	6	Farmer	0.4	1	1	0	10	25,000.00
3	Shri. Jiten M. Sangma	2	1	3	Farmer	1	0	0	0	0	23,000.00
4	Shri. Hetin Snamga	5	2	7	Farmer	0.2	6	0	0	12	24,000.00
5	Shri. Tomlin M. Sangma	4	3	7	Service	0.5	1	1	0	5	1,20,000.00
6	Smt. Hanna Marak	1	2	3	Farmer	1.4	0	0	0	10	24,000.00
7	Shri. Monu Sangma	2	4	6	Farmer	0.4	1	1	0	11	25,000.00
8	Shri. Jok Sangma	7	4	11	Farmer	0.3	6	0	2	10	27,000.00
9	Shri. Polpin M. Sangma	2	3	5	Farmer	0.5	2	0	0	12	25,000.00
10	Shri. Dewing A. Sangma	2	4	6	Farmer	1	0	0	0	5	23,000.00
11	Shri. Behin N. Sangma	2	2	4	Farmer	0.2	0	0	0	4	24,000.00

12	Shri. Dina Sangma	3	2	5	Farmer	1.5	6	0	0	7	26,000.00
13	Shri. Prodesh Sangma	1	1	2	Farmer	0.3	1	1	0	5	27,000.00
14	Shri. Badhi Sangma	1	1	2	Farmer	0.4	0	0	0	10	23,000.00
15	Shri. Wilbaston Marak	2	2	4	Farmer	1.5	1	1	0	7	23,000.00
16	Shri. Polison R. Marak	3	2	5	Farmer	0.4	1	1	0	8	24,000.00
17	Shri. Tony Sangma	1	1	2	Farmer	0.3	1	1	0	12	21,000.00
18	Shri. Denison Marak	2	4	6	Farmer	1.3	1	1	0	0	24,000.00
19	Shri. Robison Marak	1	1	2	Farmer	0.3	0	0	0	11	25,000.00
	Total	51	47	98		12.9	30	9	2	153	5,65,000.00

ANNEXURE III
COST ESTIMATES

ESTIMATE FOR THE CONSTRUCTION OF CEMENT CONCRETE RETAINING WALL
AS PER SCHEDULED OF RATES FOR ROADS AND BRIDGES AND E&D WORKS FOR THE YEAR
2007-2008 IN TURA AND WILLIAMNAGAR CIRCLE

1/134 Excavation of structures (earthwork in excavation of foundation of Structures as per drawing and technical specification including setting out etc

$$1 \times 17 \times 0.5 \times 1.25 = 10.625 \text{ m}^3$$

$$@ 34 /\text{m}^3 = \text{Rs } 361.25$$

2/137 Plain Cement Concrete 1:3:6 nominal mixed in foundation with crushed stone aggregates 40 mm nominal size mechanically mixed etc including curing for 14 days

$$1 \times 17 \times 0.5 \times 1.25 = 10.625 \text{ m}^3$$

$$1 \times 17 \times \frac{0.5+0.30}{2} \times 2.061 = 14.015 \text{ m}^3$$

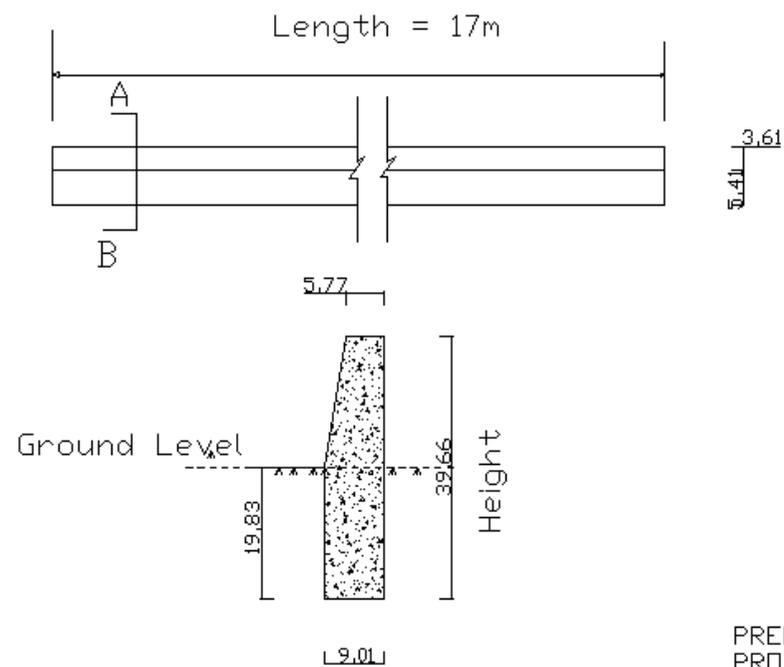
$$\text{Total} = 24.64 \text{ m}^3$$

$$@ 3232 /\text{m}^3 = \text{Rs } 79,636.48$$

Grand total = Rs 79,997.73
Say Rs 80,000

(Rupees Eighty Thousand thousand only)

PLAN & SECTION OF C.C RETAINING WALL



Section on A-B

PREPARED BY
PROJECT FORMULATION CELL SHILLONG
PLAN & SECTION OF C.C RETAINING WALL
SCALE: NOT TO SCALE
DIMENSION IN METRE

ESTIMATE FOR THE CONSTRUCTION OF CEMENT CONCRETE CHECK DAM
AS PER SCHEDULED OF RATES FOR ROADS AND BRIDGES AND E&D WORKS FOR THE YEAR
2007-08 IN TURA AND WILLIAMNAGAR CIRCLE

1/62(i) Earthwork in excavation for structures (construction of retaining walls in cement concrete 1:5 as per drawing and technical specifications).

Dam	7	x	0.9	x	1	=		6.3	m ³
Curtain Wall	7	x	0.15	x	0.4	=		0.42	m ³
Apron	7	x	3	x	0.4	=		8.4	m ³
Wing wall	2	x	3.5	x	0.9	x	1.1	=	<u>6.93</u> m ³
								22.05	m ³
	@		72	/m ³		=		Rs	1587.6

2/97. Providing and laying of boulder Apron for bed protection with stone boulder of size 15cm size and 6cm wide as per drawing and technical specifications .

Apron	7	x	3	x	0.25	=		5.25	m ³
	@		884	/m ³		=		Rs	4641

3/137 Plain Cement Concrete in proportion 1:3:6 nominal mixed in foundation with crushed stone aggregates 40mm mechanically mixed etc.

Wing Wall	2	x	3.5	x	0.9	x	0.1	=	0.63	m ³
Dam	1	x	7	x	1.1	x	0.1	=	0.77	m ³
	1	x	7	x	1.1	x	1	=	7.7	m ³
	7	x	$\frac{0.4 + 0.9}{2}$	x	<u>1.7</u>			=	7.73	m ³

	2	x	4	x	0.6	x	0.3	=	1.44	m ³
Apron	7	x	3	x	0.15			=	3.15	m ³
Curtain Wall	7	x	0.15	x	0.55			=	0.5775	m ³
C.C Channel	1	x	8.48	x	0.8	x	0.1	=	0.6784	m ³
	2	x	8.48	x	0.8	x	0.1	=	<u>1.3568</u>	m ³
								=	24.0327	m ³
@			3232	m ³				=	Rs	77673.6864

4/62(iii) Construction of retaining walls /breast walls in cement mortar 1:5 as per drawing and technical specifications.

Wing Wall	2	x	3.5	x	0.9	x	1	=	6.3	m ³
	2	x	3.5	x	$\frac{0.4 + 0.9}{2}$	x	1.7	=	<u>7.74</u>	m ³
								=	14.04	m ³
@	2263	m ³						=	Rs	31772.52

5/176 Plastering with cement mortar 1:3 on brick work in sub structure as per technical specification.

Dam	2	x	7	x	1.7			=	23.8	m ³
	7	x	4	x	0.3			=	8.4	m ³
	2	x	0.6	x	0.3			=	0.36	m ³
	1	x	5	x	0.6			=	3	m ³
C.C Channel	2	x	8.48	x	0.8			=	13.568	m ³

$$1 \times 8.48 \times 0.8 = \frac{6.784}{55.912} \text{ m}^3$$

$$@ 74 \text{ m}^3 = \text{Rs } 4137.488$$

6/134 Excavation of structures (earthwork in excavation of foundation of structures as per drawing and technical specification including setting out and construction of shoring etc.

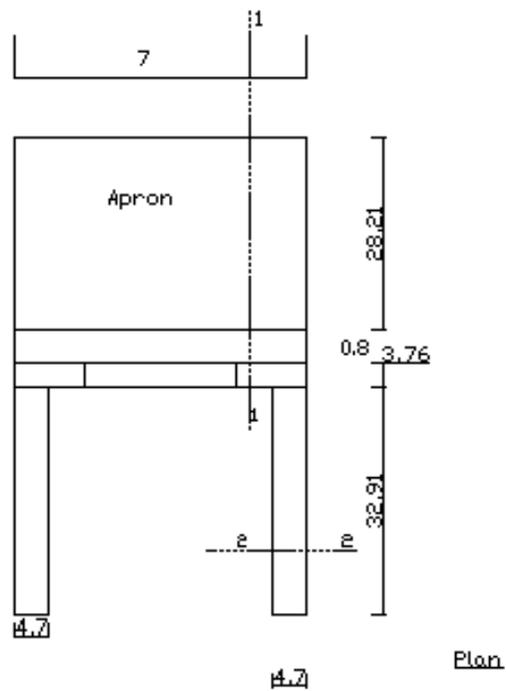
$$8.48 \times 0.8 \times 0.8 = 5.4272 \text{ m}^3$$

$$@ 34 \text{ m}^3 = \text{Rs } 185$$

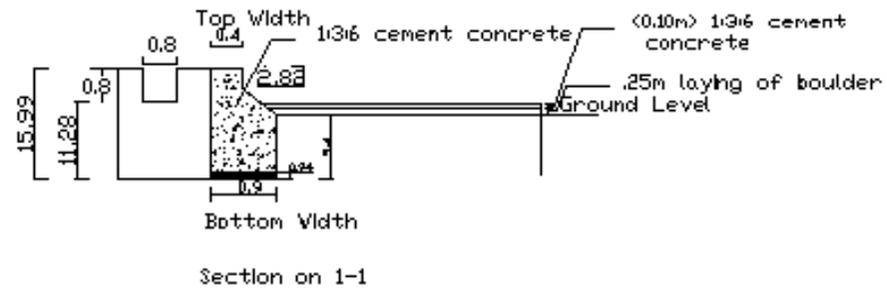
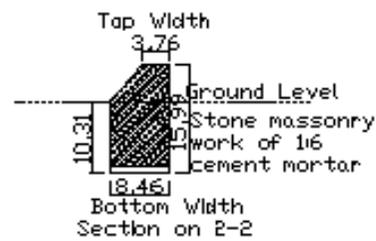
$$\begin{aligned} \text{Total} &= \text{Rs } 1,19,996.82 \\ \text{say} &\text{Rs } 1,20,000 \end{aligned}$$

(Rupees one lakh twenty thousand) only

PLAN AND SECTION OF CEMENT CONCRETE CHECK DAM



Plan



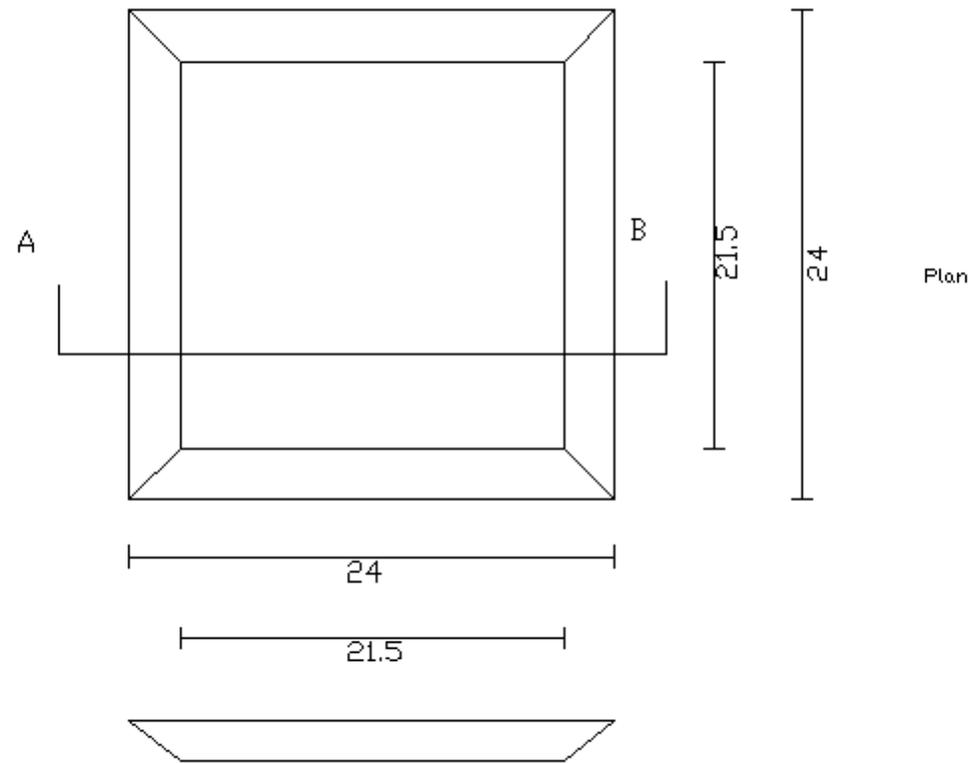
Section on 1-1

PREPARED BY
PROJECT FORMULATION CELL SHILLONG
PLAN & SECTION OF C.C CHECKDAM
SCALE: NOT TO SCALE
DIMENSION IN METRE

ESTIMATE FOR THE CONSTRUCTION OF DUG-OUT POND AS PER
SCHEDULED OF RATES FOR ROADS, BRIDGES AND E & D WORKS FOR THE YEAR
2007-2008 IN TURA CIRCLE AND WILLIAMNAGAR CIRCLE

1/3.	Site Clearance Area	=	Rs	0.0625 Ha
	@ 3600 /Ha	=	Rs	225
2/27. Earthwork in excavation for dug out pond including dressing removal of spoils and lift complete.				
	1no x	=	Rs	1038.5 m ³
		$\frac{(24 \times 24) + (21.5 \times 21.5) \times 2}{2}$		
	@ Rs 72 /m ³	=	Rs	74772
			Total	74,997.00
			Say	Rs 75,000
			(Rupees seventy five thousand) Only	

PLAN FOR DUG OUT POND



Section A-B

PREPARED BY
PROJECT FORMULATION CELL SHILLONG
DIMENSION IN METRE
SCALE : NOT TO SCALE

ESTIMATE FOR THE CONSTRUCTION OF SPRING CHAMBER WITH WATER RESERVOIR
(Rates as per P.W.D scheduled of rates for building works for the year 2010-2011)

1/1.1 Earthwork on excavation in foundation trenches including dressing of sides and ramming of the bottom including staking etc.
(d) Soft laminated rock or medium shale

For Spring Chamber:

1	x	1	x	2	x	0.8	x	1	=	1.6	m ³
1	x	2	x	2	x	0.8	x	0.8	=	2.56	m ³

For Reservoir:

1	x	2	x	3	x	0.3	x	0.5	=	0.75	m ³
1	x	2	x	2	x	0.3	x	0.5	=	0.45	m ³

For Pipe Pedestals:

15	x	0	x	0	x	0.6	=	<u>1.44</u>	m ³			
									Total	=	6.8	m ³

@ 122 /m³ = Rs 829.6

2/4.5 Providing 100mm thick solling with approved quality of stones etc.

For Spring Chamber:

1	x	1	x	2	x	0.8	=	1.6	m ²
1	x	2	x	2	x	0.8	=	3.2	m ²

For Reservoir:

1	x	2	x	3	x	0.3	=	1.5	m ²
---	---	---	---	---	---	-----	---	-----	----------------

	1	x	2	x	2	x	0.3	=	0.9	m ²	
	1	x	1	x	3	x	1.5	=	3.75	m ²	
For Pipe Pedestals:	15	x	0	x	0			=	<u>2.4</u>	m ²	
								Total	=	13.35	m ²
@	166		/m ²					=	Rs	2216.1	

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

For Spring Chamber:

1	x	1	x	2	x	0.8	x	0.1	=	0.16	m ³
1	x	2	x	2	x	0.8	x	0.1	=	0.32	m ³

For Reservoir:

1	x	2	x	3	x	0.3	x	0.1	=	0.168	m ³
1	x	2	x	2	x	0.3	x	0.1	=	0.09	m ³

For Pipe Pedestals:

15	x	0.4	x	0	x	0.1			=	<u>0.24</u>	m ³
								Total	=	0.978	m ³

@ 3859 /m³ = 3774.102

4/2.2 Providing and laying cement concrete in proportion 1:3:6 etc

For Spring Chamber:

1	x	1	x	2	x	0.6	x	0.9	=	1.08	m ³
1	x	2	x	2	x	0.6	x	0.75	=	1.8	m ³

1	x	1	x	2	x	$\frac{0.26+0.55}{2}$	x	1.35	=	1.09	m ³
---	---	---	---	---	---	-----------------------	---	------	---	------	----------------

$$1 \times 2 \times 1 \times \frac{0.25+0.26}{2} \times 0.45 = 0.23 \text{ m}^3$$

$$1 \times 2 \times 2 \times \frac{0.25+0.55}{2} \times 1.8 = 2.88 \text{ m}^3$$

For Reservoir:

$$1 \times 2 \times 3 \times 0.3 \times 0.3 = 0.504 \text{ m}^3$$

$$1 \times 2 \times 2 \times 0.3 \times 0.3 = 0.27 \text{ m}^3$$

$$1 \times 1 \times 3 \times 1.5 \times 0.2 = 0.75 \text{ m}^3$$

For Pipe Pedestals:

$$15 \times 0.3 \times 0 \times 0.4 = 0.54 \text{ m}^3$$

$$\text{Total} = 9.144 \text{ m}^3$$

= Rs 38487.1

@ 4209 /m³

5/2.9(a) Providing shuttering including centering for flat surfaces such as slabs ,shelves, chajja and for vertical faces such as column etc.

For Spring Chamber:

$$1 \times 2 \times 2 \times 0.9 = 3.6 \text{ m}^2$$

$$2 \times 2 \times 2 \times 0.75 = 6 \text{ m}^2$$

$$1 \times 1 \times 3 \times 1.83 = 5.49 \text{ m}^2$$

$$1 \times 1 \times 3 \times 1.8 = 5.4 \text{ m}^2$$

$$1 \times 2 \times \frac{0.25+0.26}{2} \times 0.45 = 0.23 \text{ m}^2$$

$$2 \times 2 \times 2 \times 0.75 = 6 \text{ m}^2$$

$$2 \times 2 \times 0.6 \times 0.75 = 1.8 \text{ m}^2$$

$$2 \times 1 \times 2 \times 1.83 = 7.32 \text{ m}^2$$

$$2 \times 1 \times 2 \times 1.8 = 7.2 \text{ m}^2$$

$$2 \times 1 \times \frac{0.25+0.55}{2} \times 1.8 = 1.44$$

For Reservoir:

$$\begin{aligned}
 1 \times 2 \times 2.8 \times 0.3 &= 1.68 \text{ m}^2 \\
 1 \times 2 \times 0.3 \times 0.3 &= 0.18 \text{ m}^2 \\
 1 \times 2 \times 1.5 \times 0.3 &= 0.9 \text{ m}^2 \\
 1 \times 2 \times 2.5 \times 1.8 &= 9 \text{ m}^2 \\
 1 \times 2 \times 1.5 \times 1.8 &= 5.4 \text{ m}^2 \\
 1 \times 1 \times 2.5 \times 1.8 &= 4.5 \text{ m}^2 \\
 1 \times 2 \times 2.5 \times 0.1 &= 0.5 \text{ m}^2 \\
 1 \times 2 \times 1.5 \times 0.1 &= 0.3 \text{ m}^2
 \end{aligned}$$

For Pipe Pedestals:

$$\begin{aligned}
 15 \times 4 \times 0.3 \times 0.4 &= 7.2 \text{ m}^2 \\
 15 \times 4 \times 0.15 \times 0.15 &= 1.35 \text{ m}^2 \\
 &= 75.49 \text{ m}^2
 \end{aligned}$$

@ 217 /m³ = Rs 16381.33

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

For Reservoir:

$$\begin{aligned}
 1 \times 2 \times 2.5 \times 0.15 \times 1.8 &= 1.35 \text{ m}^3 \\
 1 \times 2 \times 1.5 \times 0.15 \times 1.8 &= 0.81 \text{ m}^3 \\
 1 \times 1 \times 2.5 \times 1.5 \times 0.1 &= 0.375 \text{ m}^3
 \end{aligned}$$

For Pipe Pedestals:

$$\begin{aligned}
 15 \times 0 \times 0.15 \times 1.2 &= 0.405 \text{ m}^3 \\
 &= 2.94 \text{ m}^3
 \end{aligned}$$

@ 4738 /m³ = Rs 13929.72

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

8mmφ Tor Steel:

For Reservoir:

2 x 18 x 2.3 = 82.8 Rm
2 x 11 x 2.3 = 50.6 Rm

For Pipe Pedestals:

15 x 4 x 1.55 = 93 Rm
= 226.4 Rm

@ 0.39 kg/Rm = Rs 88.3 Kgs.

8mmφ Tor Steel

For Reservoir

2 x 14 x 1.4 = 39.2 Rm
2 x 9 x 2.4 = 43.2 Rm
2 x 10 x 2.4 = 48 Rm
2 x 10 x 1.4 = 28 Rm
158.4 Rm

@ 0.39 kg/Rm = Rs 61.8

6mmφ Tor Steel

For Pipe Pedestals:

15 x 9 x 0.5 = 67.5 Rm

@ 0.22 kg/Rm = Rs 14.9

Total = 164.922
1.64 Quintal

@ 5982.36 /qtl = Rs 9811.0704

8 Providing and fixing G.I pipes including necessary sockets, bends, jamnuts , elbows , tees complete.
(Rates as per market rates)

(a)75mm G.I Pipes

Length-1.50 Rm @ Rs 500/Rm

= Rs 750

(b) 50mm G.I pipes

Length 39.5 Rm @ Rs 350/-Rm

= Rs 13,825

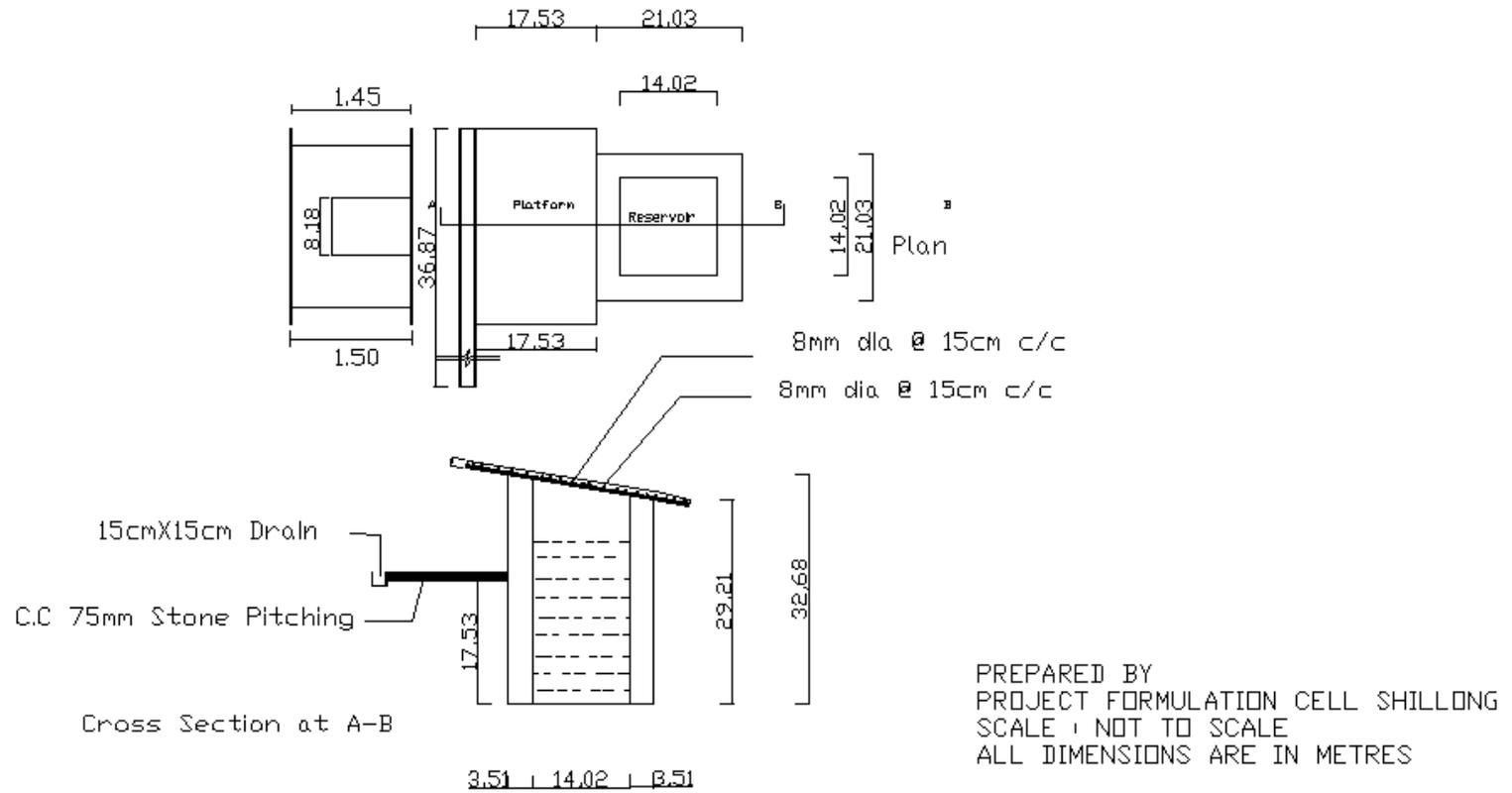
GRAND TOTAL

= Rs 1,00,004

Rs 1,00,000

(Rupees One lakh only)

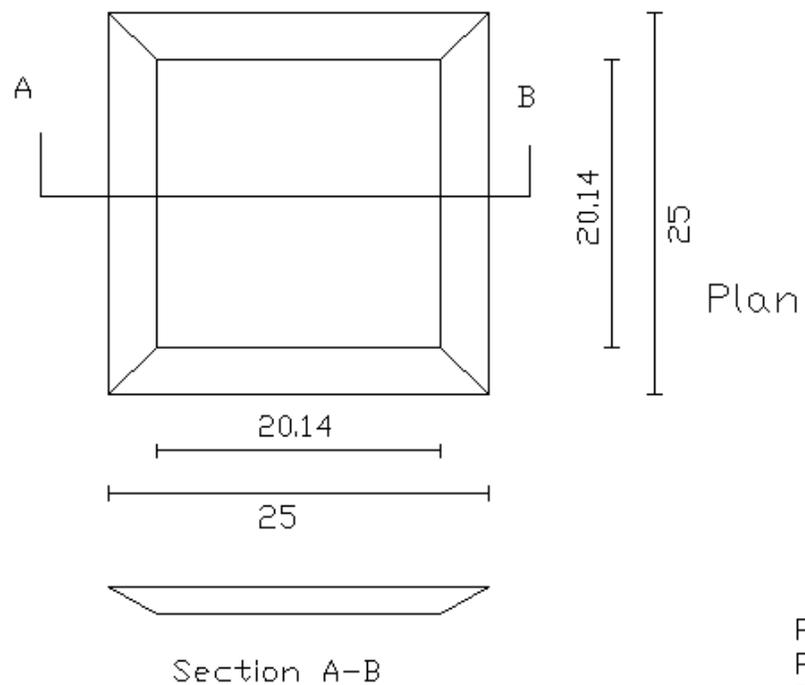
PLAN AND SECTION OF SPRING CHAMBER WITH WATER RESERVOIR



ESTIMATE FOR THE CONSTRUCTION OF WATER HARVESTING STRUCTURE
RATES ARE AS PER P.W.D SCHEDULED OF RATES FOR ROADS BRIDGES AND E & D WORKS
FOR THE YEAR 2007-08 FOR TURA AND WILLIAMNAGAR CIRCLE

1/3.	Cleaning and removal of rubbish upto a distance of 30 m outside the periphery of the area	
	Area = 0.0813 Ha	
	@ 3600 /Ha	= Rs 292.68
2/3(a)	Eathwork in excavation to the proper grade including light, dressing providing cambering and super elevation as directed and removal of spoils upto 30m lead and all lift	
	1no $\frac{(25 \times 25) \times (20.14 \times 20.14)}{2} \times 2$	= 1030.619 /m ³
	@ 72 /m ³	= Rs 74204.57 /m ³
	Total =	Rs 74497.248
	Say	Rs 75,000/-
	(Rupees Seventy five thousand) Only	

PLAN AND SECTION FOR WATER HARVESTING STRUCTURE



PREPARED BY
PROJECT FORMULATION CELL SHILLONG
DIMENSION IN METRE
SCALE : NOT TO SCALE

ESTIMATE FOR THE CONSTRUCTION OF CEMENT CONCRETE DIVERSION CHANNEL AS PER
SCHEDULED OF RATES FOR ROADS , BRIDGES E & D WORKS FOR THE YEAR 2007-08
IN TURA AND WILLIAMNAGAR CIRCLE

1/134. Excavation for structures (earthwork in excavation of foundation of structures as per drawing and technical specifications, including setting out etc.

$$1 \times 48.02 \times \frac{1.50 \times 1.00}{2} \times 1.2 = 72.03 \text{ m}^3$$

Rs. 34 /m³ Rs. 2,449.02

2/103. Providing and laying of dry rubble flooring completed as per drawing etc .

$$1 \times 48.02 \times 1 = 48.02 \text{ m}^3$$

Rs. 852 /m³ Rs. 40,913.04

3/141 Plain /reinforced cement concrete in open foundation as per drawing and technical specifications

Cement
procured

$$\begin{array}{r}
 1 \times 48.02 \times 1 \times 0.1 = 4.802 \text{ m}^3 \\
 2 \times 48.02 \times 1.22 \times 0.1 = \frac{11.72 \text{ m}^3}{16.52 \text{ m}^3}
 \end{array}$$

Rs. 3630 /m³

Rs. 59,963.53

4/2.9(a) Plastering with cement mortar (1:3) on brick work in super structure etc.

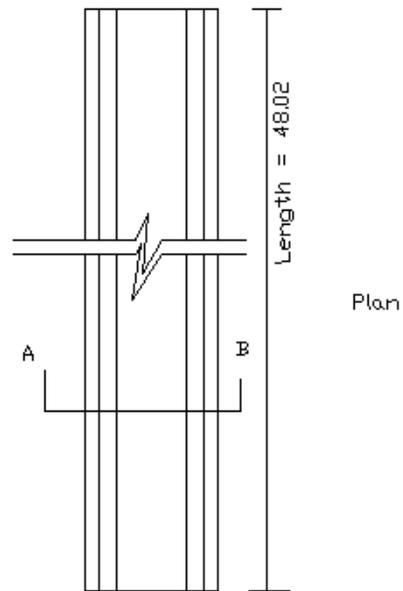
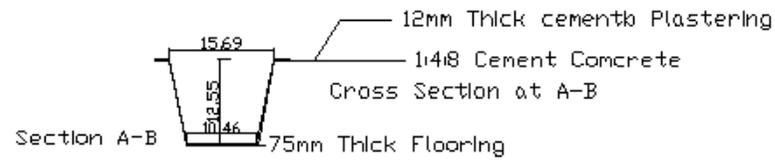
$$2 \times 48.02 \times 1.22 = 117.2$$

Rs. 74 /m³

	Rs.	8,670.49
Total	=	Rs. 1,11,996.09
Say	Rs.	1,12,500.00

(Rupees one lakh twelve thousand five hundred thousand) only.

PLAN AND SECTION OF CEMENT CONCRETE DIVERSION CHANNEL



PREPARED BY PROJECT FORMULATION CELL SHILLONG
SCALE : NOT TO SCALE
ALL DIMENSIONS ARE IN METRES

ANNEXURE IV

MoA, SUB COMMITTEE DETAILS ETC.

FORMATION OF WATERSHED DEVELOPMENT TEAM (WDT)

The P.I.A (Project Implementing Agency) Baghmara Soil & Water Conservation (C.C) Division, South Garo Hills has constituted 3(three) W.D.T Members (Watershed Development Team) for the smooth functioning of the project on 20/12/2010 as per the Common Guidelines for Watershed Development Projects.

Names of Districts	Names of projects	Names of WDT members	M/F#	Age	Qualification / Experience	Description of professional training
South Garo Hills	SGH-IWMP-III	Shri. Kai Raksal M Sangma	Male	28 yrs	Bachelor of Computer Application	Bachelor of Computer Application(B.C.A)
		Miss Ponobi R Marak	Female	25 yrs	Bachelor of Science in Forestry	Bachelor of Science in Forestry
		Shri. Bilcheng K. Marak	Male	23 yrs	Diploma in Civil Engineering	Civil Engineering

FORMATION OF WATERSHED COMMITTEE AND THE REGISTRATION UNDER SOCIETY REGISTRATION ACT.

The Rongtra Micro Watershed under Integrated Watershed Management Programme (IWMP-III) has constituted Watershed Committee (W.C) for smooth implementation of the Watershed Project with the Technical support of the Watershed Development Team (WDT) in the Village. The Villagers of the Wamisenggre Village unanimously selected the Chairman and the Members of the Watershed Committee in the meeting from the village itself and the Secretary from the Department of Soil & Water Conservation, Shri John Oswin S. Momin (Assistant Soil & Water Conservation Officer) Baghmara Soil & Water Conservation (CC) Division. The Watershed Committee of Rongtra Micro Watershed comprises of 10 members.

Name of the District	Name of project	Names of Watershed Committee	Date of Registration as a Society (dd/mm/ yyyy)	Designation	M/F	ST	Educational qualification
South Garo Hills	SGH- IWMP-III	1. Shri Kitchinal Marak		Chairman	M	ST	Matriculate
		2. Shri John Oswin S.Momin		Secretary	M	ST	BSc. Agri
		3. Shri Kai Raksal Sangma		Member	M	ST	B.C.A
		4. Shri Paullin Marak		Member	M	ST	Class X
		5. Shri Dinna Sangma		Member	M	ST	Class VI
		6. Shri. Wilbastone Marak		Member	M	ST	ClassVI
		7. Shri Polpin Sangma		Member	M	ST	Class VI
		8. Shri Behin Sangma		Member	M	ST	Class VII
		9. Smt. Gisil Marak		Member	M	ST	Class X
		10. Smt. Trenilla Marak		Member	F	ST	Class VIII

AGREEMENT FOR CONVERGENCE OF SCHEME

The Village Employment Council (VEC) and the Communities of Wamisenggre Village, Baghmara Block, South Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Watershed Management Project (IWMP) at Wamisenggre village under Rongtra Micro-Watershed, SGH-IWMP-III being implemented by Baghmara Soil & Water Conservation (C.C) Division, South Garo Hills.

We have also agreed and committed to allocate the Funds for wages as well as material components 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 2015-15). The wage and material component under NREGS shall be utilized for following works:

1. Spring Chamber.
2. Link Road.
3. Rubber Plantation.
4. Protection Wall.


President
Village Employment Council
Wamisenggre
Baghmara Block, SGH.


President,
Wamisenggre V.E.C.
South Garo Hills

Secretary
Village Employment Council
Wamisenggre
Baghmara Block, SGH.


Secretary,
Wamisenggre V.E.C.
Baghmara Dev. Block
South Garo Hills


L. N. Marak
Divisional Officer
Baghmara, Soil Cons. (C.C.) Division
Baghmara, South Garo Hills.

Meeting present Member.

1. Ketchinas S Morak ——— K-S Morak.
2. Iki Polpin M. Sagna ——— ~~Ho~~
3. Dandan S Marak ——— ~~Don~~
4. Paulin Marak ——— Paulin
Gita HTH ——— ~~128~~
6. Moivo Ronjon M. Sidim ——— ~~Mrp~~
7. Sakillo S Marak ——— ~~Sy~~
8. Lumarua S Marak ——— ~~Sya~~
9. Jeldeth S Marak ——— ~~B~~
10. Dinna Sangma ——— ~~De~~
11. Giora Marak ——— ~~zom~~
12. Lala Marak ——— ~~Se~~
13. P. S. M. Sangma ——— ~~Rms~~
14. Chiga M. Sangma ——— ~~MD~~
15. Shree: prodeh mamin ——— ~~Mr~~
16. Smt: Girelchi marak. ——— ~~lhu~~
17. Smt: Sengring marak. ——— ~~Su~~
18. Mr. Bandibon Sangma ——— ~~B~~
19. Mr. Sengban Sangma ——— ~~ho~~
20. Smt: Wiston Sangma. ——— ~~W~~
21. Smt. Kucicena Marak. ——— ~~Ho~~
22. Kelita M. Sangma ——— KMS

Wamisengge Integrated Watershed Management
Programme-na dingtongmancha Association
Forum kae seokgipa manderong.

Dated: Wamisengge the 13th, November 2010.

Chingya Wamisengge Songui manderong
dingtongmancha, Integrated Watershed Management
programme-na Association-ko form kana monga ene
Chonkion 13th, November 2010 tardo Songui E.G.S
School noko meetingko ongator, pilakna shong
talni dilaniko monma gita Shri Denison Morakchi
kiongchongaha. indake tuolo kua matchoton
meetingo ia J.W.M.P-ni Association manbersong
kamao gita salseel seokgaha.

1. Shri Denison Morak. (president.)
2. " pradesh Songma (Secretary)
4. " Juk Songma. M.C 5. Shri Polison Morak M.C
6. " Monarajon Songma. M.C 7. " Meekhoal Morak. M.C
8. " Bondi Songma M.C 9. Smt. Merakima Morak. M.C
10. Smt. Chentira Morak. M.C 11. Smt. Sakilla Morak. M.C

Ja Association meetingo monga kamrong
matchotahani gineis vote of Jhonks ko meetingo
presidentchi agane talko mitelpile matchotataha.

From. Nokma,

Agronggre Sintang aking land.
P.O. Baghmara, South Garo Hills.

Subj: Allotment of land.

Self Shri Hamidson G. Momin
Nokma of Agronggre Sintang aking
land allotted land to the villagers of
Wamisenggre village 1 (one) hecter
for household total. houses only
for rubber plantation (not for
conversion) Wamisenggre village is
also under my aking land.

H.G.M.
Shri Hamidson G. Momin
Nokma of Agronggre
Sintang Aking Land
South Garo Hills

Meeting present Members.

S/N NO	Name	Signature
1.	Kitchinal S. Marak	K. S. Marak
2.	Polpin M. Sangma	[Signature]
3.	[Name]	[Signature]
4.	Gurion S. Marak	[Signature]
5.	Hania S. Marak	[Signature]
6.	Monole M. Sangma	[Signature]
7.	Dimona Sangma	[Signature]
8.	Perinot M. Sangma	[Signature]
9.	Denison S. Marak	[Signature]
10.	Siddharth S. Marak	[Signature]
11.	Bototman S. Marak	[Signature]
12.	Traemella S. Marak	[Signature]
13.	Sakhella S. Marak	[Signature]
14.	Grisilete S. Marak	[Signature]
15.	Wishon M. Sangma	[Signature]
16.	Sanguing S. Marak	[Signature]
17.	Pauline S. Marak	[Signature]
18.	Pauline S. Marak	[Signature]
19.	Prodest Sangma	[Signature]
20.	Lala S. Marak	[Signature]
21.	Kelilla M. Sangma	[Signature]
22.	Jittin M. Sangma	[Signature]
23.	Wakme Sangma	[Signature]
24.	Bmesilla Sangma	[Signature]

25, Diled M Sangma *Di*
 26, Menom M Sangma *Di*
 27, Kruilla S. Marak *Di*
 28, Behin N Sangma *Di*
 29, Kanglechi S Marak *RSM*
 30, Qinty S Marak *Di*
 31, Kider R Marak *Di*
 32, Tomi Sangma *Di*
 33, Berthow N Sangma *Di*
 34, Pella N Sangma *Di*
 35, Kider Marak *Di*

11 Potom 2 Marak
 12 Potom 2 Marak
 13 Potom 2 Marak
 14 Potom 2 Marak
 15 Potom 2 Marak
 16 Potom 2 Marak
 17 Potom 2 Marak
 18 Potom 2 Marak
 19 Potom 2 Marak
 20 Potom 2 Marak
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 22 Potom 2 Marak
 23 Potom 2 Marak
 24 Potom 2 Marak

To,
The Divisional Soil Conservation officer
Baghmara Soil Conservation Division
South Garo Hills,

Date: - Wamsengge the 5th, November 2010.

Subject: - Integrated Watershed Management programme
- na songri gita meetingo Chondiani
Revelation to raani.

Sir,

Chinga nangko monde sablon

halsa kasako mesohgimin sahsiet, Integrated watershed
Management programme na 5th, November 2010 tariko
Songri E.G.S School nako meetingo ngaton, pilakna
shong balni patianiko manna gita shri Fitchinal Moraki
Polo liangchanga. Indako tsolo lisa matchoton
ia Scheme-na Committerangko mikkongchi nane mizek
sondie hamrangko haangna mapina gita nasimangchi
orden gita sakchet(3) monderangko jinma namnike
meetingo sachangaha.

1. Fitchinal Morak.
2. Shri Paellen Morak.
3. Shri Denna Saqna
4. Shri Willastore Morak
5. Shri Palpin Saqna.
6. Shri Behi Saqna
7. Smt. Gysel Morak, 8. Tra Trinella Morak.

Ja sakchet(3) Committerangonikon Chinga
Chairman, na Shri Fitchinal Morako jinma namnike sachangaha
kongchi sak gita(3) kade, office ni ardu gitam
office-onikon sachangchina ine songri meetingo
namnike sachangaha.

Meetingo nangko hamrang matchotahani
jinma meetingo vote of thanks, ko meeting presidentchi
aqona matchoton tsoko mitafpile meetingo matchotaha.

Sekeloa Committerong

1. Chairman Shri Hitehonal Marak.
2. Secretary "
3. Shri paellen Marak M.C
4. " Wilkastone Marak M.C
5. " Dinna Songma M.C
6. " polpin Songma M.C
7. " Behin Songma M.C
8. Smt Lysel Marak M.C
9. " Trinilla Marak M.C
- 10.
- 11.

Handwritten text, possibly a signature or note, located below the list.