

# Government of Meghalaya



## Detail Project Report

on

### IWMP-VI

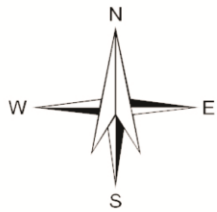
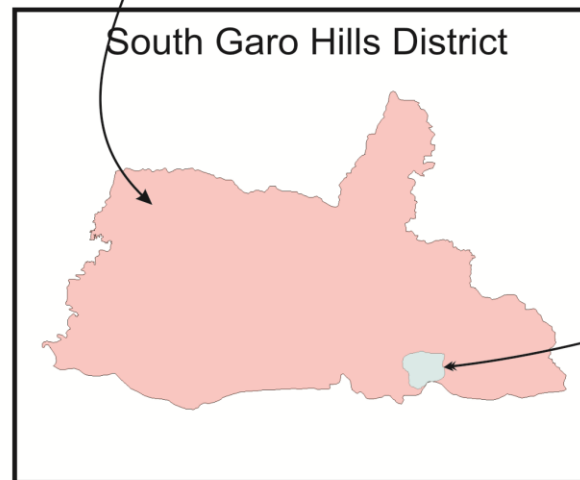
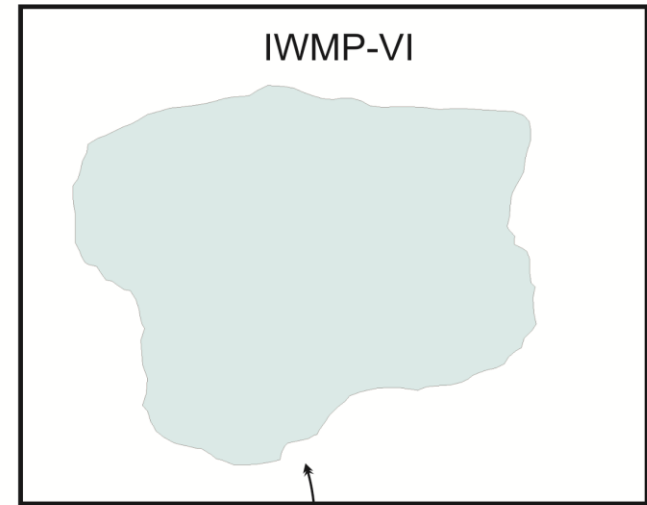
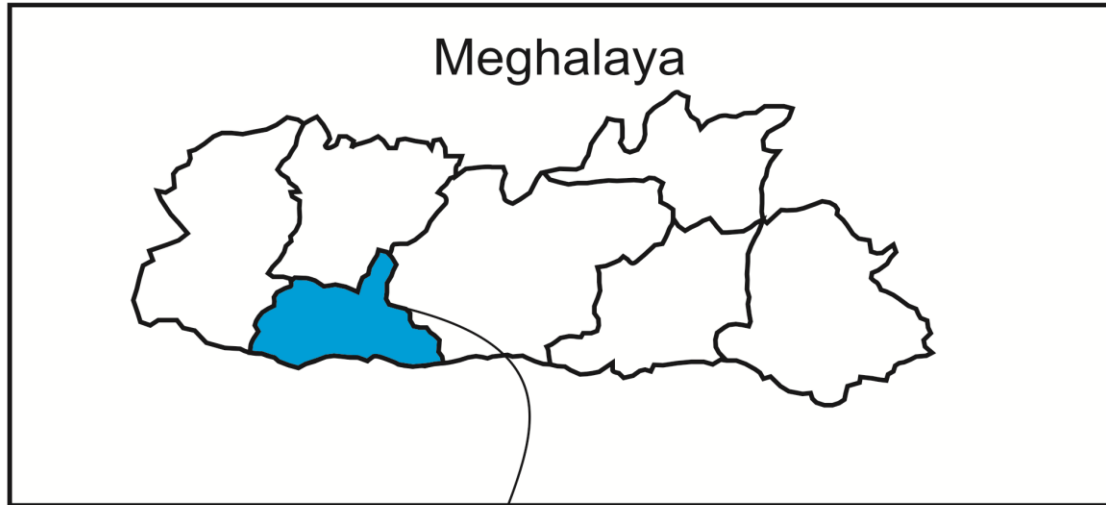
under

## Integrated Watershed Management Programme

### 2011-2012

*Baghmara Soil & Water Conservation Cash Crop Division  
South Garo Hills  
Meghalaya*

Index Map of IWMP-VI  
South Garo Hills District



## SUMMARY

Name of the State	:	Meghalaya
Name of the District	:	South Garo Hills District
Name of the C&RD Block	:	Rongara
Name of the Villages	:	1. Potchismile 2. Among Rongjol 3. Dagal gittim 4. Inolgre 5. Nengsra
Name of the Project	:	South Garo Hills – IWMP – VI
Total Geographical Area	:	2,214 Ha
Total Treatment Area	:	2,000 Ha
Total Project Cost	:	300 Lakhs
Project Duration	:	5 Years
Project Implementing Agency	:	Soil & Water Conservation (Cash Crop) Division, Baghmara.



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

# CHAPTER I

## INTRODUCTION AND BACKGROUND

### 1.1 Project Background:

The IWMP –VI Project is located in Rongara C&RD Block, South Garo Hills District of Meghalaya. Consisting of 2 (two) micro-watershed, the project area is drained by the Rongdi River and its tributaries flowing in a north to south direction. The total geographical area of the project is 2,214 ha, out of which 2000 ha is to be treated under the Integrated Watershed Management Programme (IWMP-VI).

The Project area is located at a distance of about 1 km from Rongara C&RD Block and about 36 km from Baghmara . The total number of villages covered under the project is 5 (five) nos. They are –

Name of Villages	Name of Micro Watershed
1) Potchismile 2) Among Rongjol 3) Dagal Gittim	Lower Rongdi
4) Inolgre 5) Nengsra	Middle Rongdi

### 1.2 Micro-watershed Information:

The micro-watershed is yet to be codified by the North East Space Application Centre (NESAC). The total geographical area of the micro-watershed is 2,214 ha. out of which 2000 hectares to be treated under the Integrated Watershed Management Programme (IWMP).

### **1.3 Need and Scope for Watershed Development:**

The IWMP-VI project 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 pucca or (all weathered road) connectivity. The farmers are all marginal and 171 households are below the poverty line, which is 100% of the total households. Jhum cultivation is practiced by most of the inhabitants in the village on the slopes.

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

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

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

- i. MGNREGS



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

## CHAPTER II

### BASIC INFORMATION OF THE PROJECT AREA

**2.1 Location:** The Project area is located under the Rongara C&RD Block, South Garo Hills District. It is situated at a distance of about 1 km from Rongara and 36 km from Baghmara. The geographical location is between 90° 44' 30'' to 90° 48' 30'' E Longitude and 25° 10' 0'' to 25° 13' 0'' N Latitude. There are 5 (five) villages within the Watershed i.e 1. Potchismile 2. Among Rongjol 3. Dagal gittim 4. Inolgre and 5. Nengsra. At present, these villages are connected to kuccha road only.

#### 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 lower reaches of the Watershed is relatively flat and suitable for agriculture. The altitude ranges from 10m to 115m above mean sea level.

**Table 2.1: Physiographic details :**

Elevation (metres)	Slope Range (%)	Order of watershed Sub/Micro-watershed	Major streams	Topography
10m to 115m	10% to 15% and 15% to 35 %	1. Middle Rongdi Micro Watershed 2. Lower Rongdi Micro Watershed	Rongdi River	moderately Sloping

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

**2.4 Soil:** The soils are ranging from sandy loam skeletal to loamy types in texture with p<sup>H</sup> value ranging from 4.6 to 6.1. Soil depth varies from very shallow to deep. Soils are permeable and generally acidic in nature. Owing to highly undulating land form and absence of good vegetation cover, the area is exposed to erosion hazards. The soil nutrient status in the area shows a general trend of low phosphorous content.

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

1	2	3	4	5	6	7	8	9	
Sl. No.	Names of State	Names of District	Names of Projects	Cause	Types of erosion	Area affected (ha)	Run-off (mm/year)	Average soil loss (Tonnes/ha/ year)	
1	Meghalaya	South Garo Hills	South Garo Hills – IWMP VI	Water erosion:					
				a	Sheet	2000	2500-4000	10-15	
				b	Rill				
				c	Gully				
				Sub total		2000			
Wind erosion		Nil	Nil	Nil					

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

**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	2,214 Ha	South Garo Hills	South Garo Hills – IWMP –VI	Moderate shallow, excessively drained, fine – loamy soil on moderately steep side slopes of hills having loamy surfaces with severe erosion hazard and strong stoniness associated with moderately Shallow, excessively drained, loamy skeletal soils on gently sloping hill tops with very severe erosion hazard and slight stoniness	2,214 Ha	4000 mm	Arecanut	34
									Cashewnut	53
									Rice (Low land)	21
									Rice (Jhum)	19.9
									Chilli	19.9
									Ginger	19.9
									Brinjal	19.9
									Colocassia	19.9
									Tapioca	19.9
									Maize	19.9
									Pumpkin	19.9
									Cowpea	19.9
									Turmeric	19.9
Cucumber	19.9									
Ash gourd	19.9									
Beans	19.9									
								<b>Total</b>		<b>367 Ha</b>



**2.6 Agriculture:** Agriculture is the primary occupation of the people of the area. The people of Lower and Middle Rongdi Micro-watershed practice jhum cultivation. The jhum plots vary from 1.5 to 2.5 Ha, and are cultivated for 2-3 years. The principal agricultural crops grown of the jhum fields are Chilli, Ginger, Rice, Brinjal, Colocassia, Tapioca, Maize etc. Among the Fruit crops they grow Cashewnut, and Arecanut in the watershed area. The slopes of the watershed area are also very suitable for betel leaf, rubber, black pepper, which contribute to the income of the people.

**Table 2.4: Crop yield and production**

<b>Crops</b>	<b>Area (ha)</b>	<b>Average Yield (Qtl) per ha.</b>	<b>Total Production (Qtl.)</b>
Brinjal	19.9	14	278.6
Rice	40.9	15	613.5
Turmeric	19.9	30	597
Colocassia	19.9	30	597
Ginger	19.9	25	497.5
Tapioca	19.9	26	517.4
Arecanut	34	12	408
Maize	19.9	6	119.4
Chilli	19.9	5	99.5
Cow pea	19.9	15	198.5
Pumpkin	19.9	40	796
Cucumber	19.9	25	497.5
Ash gourd	19.9	20	398
Beans	19.9	15	298.5
Cashewnut	53	25	1325
<b>Total</b>	<b>367</b>	<b>303</b>	<b>7241.4</b>

**2.7 Natural Vegetation:** The tree species common to the watershed area includes – *Tectona grandis*, *Gmelina arborea*, *Jacrinda mimosofolia* , *Bamboo* etc.

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

Demographic Status: The total number of household in the project is 171nos. with a total population of 965 of which 495 are male and 470 are female.

The detail of the household in each of the villages in the watershed project is as follows:

<i>Village</i>	<i>No. of Households</i>	<i>No. of Male</i>	<i>No. of Female</i>	<i>Total</i>	<i>Average No. per family</i>
<i>1. Potchismile</i>	<i>27</i>	<i>73</i>	<i>78</i>	<i>151</i>	<i>5</i>
<i>2. Among Rongjol</i>	<i>58</i>	<i>189</i>	<i>157</i>	<i>346</i>	<i>6</i>
<i>3 .Dagal Gittim</i>	<i>14</i>	<i>35</i>	<i>43</i>	<i>78</i>	<i>5</i>
<i>4. Inolgre</i>	<i>31</i>	<i>97</i>	<i>85</i>	<i>182</i>	<i>5</i>
<i>5. Nengsra</i>	<i>41</i>	<i>101</i>	<i>107</i>	<i>209</i>	<i>5</i>
<b><i>Total:</i></b>	<b><i>171</i></b>	<b><i>495</i></b>	<b><i>470</i></b>	<b><i>965</i></b>	

Infrastructure facilities :

2.1.1 *Roads:* The village within the Project Area is not connected by all weathered pucca road. The Project area depends entirely on the kutcha road connected to Rongara.

2.1.2 *School:* There are 5 L.P Schools (Govt) and 2 U.P (SSA) within the Project Area.

2.1.3 *Electricity:* Out of 5(five) nos. of villages, only 2 (two) villages namely Potchismile & Among Rongjol has been connected to electricity in the Project area.

2.1.4 *Health:* There is no Community Health Centre in the project area and the local population have to depend on facilities available at Rongara PHC.

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

2.1.6 *Market:* Rongara market is the nearest market for the local population.

**Table 2.5: Infrastructure Status.**

1	2	3		4			
Name of District	Name of Project	Parameters:		Status			
South Garo Hills	South Garo Hills- IWMP VI	(i)	No. of villages connected to the main road by an all-weather road.	Nil			
		(ii)	No. of village provided with electricity	2 nos.			
		(iii)	No. of households without access to drinking water	171 nos.			
		(iv)	No. of educational institutions: Primary (P)/ Secondary (S)/ Higher Secondary (HS)/ Vocational institution (VI)	(P)	(S)	(HS)	(VI)
				5	2	-	-
		(v)	No. of village with access to Primary Health Centre	Nil			
		(vi)	No. of village with access Veterinary Dispensary	Nil			
		(vii)	No. of village with access Post Office	Nil			
		(viii)	No. of village with access Banks	Nil			
(ix)	No. of village with access Markets/ mandis	Nil					

	(x)	No. of village with access Agro-Industries	Nil			
	(xi)	Total quantity of surplus milk	Nil			
	(xii)	No. of milk collection centres (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	5 No.			
	(xiv)	Any other facilities with no. of villages (please specify)	Nil			



**2.9 Livestock:** there are only 4 kinds of livestock farming being farmed in the area viz. Piggery, Poultry, Cattle and Goat.

**Table 2.6: Existing livestock population**

Type of Animals	Population
Piggery	313
Poultry	2255
Cattle	629
Goat	190
<b>Total:</b>	<b>3387</b>

**2.10 Land ownership:** There are only two types of land holding system, namely private lands and community lands.

**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 VI	(i) Large	-	-			
		(ii) Small	-	-			
		(iii) Marginal	171	171	-	367 Ha	367 Ha
		(iv) Landless	-	-	-	-	-
		Sub - Total	171	171		367 Ha	367 Ha

**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 VI	(i) Wasteland/ degraded land	-	-	-	13 Ha.	-	-	-	13 Ha.
		(ii) Pastures	-	-	-	-	-	-	-	-
		(iii) Private Agriculture land	40.9 Ha	-	-	-	40.9 Ha.			
		(iv) Village woodlot	-	-	-	-				
		(v) Forest	-	-	-	712 Ha				700 Ha.
		(vi) Village Ponds/ Tanks	-	-	-	.				
		(vii) Community Buildings	-	-	-	.				
		(viii) Weekly Markets	-	-	-	Rongara				
		(ix) Permanent Markets	-	-	-	Rongara				
		(x) Temples/ Places of worship	-	-	-	Church- 4 nos.				
		(xi) Others (Pl. specify)	-	-	-	1448.1 Ha	-			1246.1 ha
		<b>Total</b>	<b>40.9 Ha</b>	-	-	<b>2173.1 Ha</b>	<b>40.9 Ha.</b>	-	-	<b>1959.1 Ha</b>

**2.11 Land use and land cover :** As per the land use land cover map generated by NESAC, Meghalaya from Satellite Image taken during 2005 – 2006

(LISS – III, Image) the Watershed area has been broadly classified into the following land uses.

a) Built-up Area	=	31 Ha
b) Agricultural land-crop land-kharif crop	=	21 Ha
c) Tree clad Area-close	=	644 Ha
d) Tree clad Area-open	=	687 Ha
e) Other Shifting Cultivation Current	=	259 Ha.
f) Other Shifting Cultivation Abandoned	=	398 Ha.
g) Forest – Forest Blank	=	6 Ha
h) Forest Dense Closed	=	68 Ha
i) Arecanut Plantation	=	34 Ha
j) Wasteland Scrubland Dense Scrub	=	13 Ha.
k) Cashewnut Plantation	=	<u>53 Ha.</u>
Total	=	2,214 Ha.

**2.12 Problems of the Area :** The primary problems of the project 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 in 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 Project.



## **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, and Venn diagrams were used.
- iii) GIS & Remote Sensing: To facilitate the process of prioritization and planning Geographic Information System was use. The land use and land cover (LULC) maps were prepared by the North Eastern Space Application Centre (NESAC) using the LISS III images (2006). The activities were located on the field by using GPS and accordingly transferred to the maps on GIS platform.

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

1	2	2
Sl.No.	Scientific criteria/ inputs used	No. of projects in which scientific criteria were used
<b>A.</b>	<b>Planning</b>	
	Cluster approach	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
	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	Yes
	3. Drainage	Yes
	4. Soil (Soil nutrient status)	Yes
	5. Land use	Yes
	6. Ground water status	No
	7. Watershed boundaries	Yes
8. Activity	Yes	
Crop simulation models <sup>#</sup>	No	

	Integrated coupled analyzer/ near infrared visible spectroscopy/ medium spectroscopy for high speed soil nutrient analysis	No
	Normalized difference vegetation index (NDVI)#	Yes
	Weather Stations	No
<b>B.</b>	<b>Inputs</b>	
	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 Baghmara Soil & Water Conservation (C.C) Division , South Garo Hills District of Meghalaya. The Project Manager will be the Divisional Soil and Water Conservation Officer and will be assisted by an Asst. Soil & Water Conservation Officer along with WDT members in which expertise is drawn from the relevant fields for achieving smooth and successful implementation of the project.

1	2	3	
Names of Districts	Names of projects	Details of PIA	
South Garo Hills	South Garo Hills– IWMP VI	(i) Type of organization#	Government
		(ii) Name of organization	Soil & Water Conservation (C.C) Division, Baghmara
		(iii) Designation & Address	Divisional Soil & Water Conservation Officer, (C.C) Division Baghmara
		(iv) Telephone	03639-222139
		(v) Fax	03639-222139
		(vi) E-mail	Baghmarasoil@gmail.com

### 3.3 Institution Building

#### i) Watershed Committee (WC)

The Watershed Committees of the 2 (two) micro- watersheds of IWMP-Project VI was constituted with the active involvement of the villagers with strong support of the Traditional Institutions (Village Nokma/Council). Both the Watershed Committees of IWMP-Project VI has been registered under the Society Registration Act 1860.

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
Names of the Districts	Names of projects	Names of WCs	Date of Registration as a Society (dd/mm/yyyy)	Designation	M/F	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 –VI	1. Lower Rongdi micro watershed	Registered	Chairman	M	-	ST		1							Class-IX	A to I		
				Secretary	M	-	ST							1	HSSLC	A to I			
				Member	7 M	-	ST		7							Class: V to X	Do		
				Member	2 F	-	ST		2								Do		
				Member	M										1	BCA			
		2. Middle Rongdi Micro watershed	Registered	Chairman	M		ST		1									Class-IX	
				Secretary	M		ST								1				
				Member	7 M		ST		7								Class: V to X		
				Member	2 F		ST		2										
				Member	M											1	BCA		

- |   |   |
|---|---|
| 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. 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 VI		2	5	-	(i) Landless									
						(ii) SF									
						(iii) MF	42	28	70	42	28	70	42	28	70
						(iv) LF									
						Total	42	28	70	42	28	70	42	28	70

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



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

#### 4.1 Preparatory Phase:

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

(Financial – Rs. in lakh)

1	2	3	4
Names of Project	Amount earmarked for EPA	Entry Point Activities planned	Geographical Location
South Garo Hills – IWMP-VI	12.00	Spring Chamber with Tank	90 <sup>0</sup> 44' 30'' to 90 <sup>0</sup> 48' 30'' E Longitude and 25 <sup>0</sup> 10' 0'' to 25 <sup>0</sup> 13' 0'' N Latitude.

**ii) Other activities of Preparatory Phase:**

1	2	3	4	5	6	7
Initiation of village level institution	Capacity building	IEC activities	Baseline survey	Hydro-geological survey	Identifying technical support agencies	Resource agree-ments
2 no. W/C and 2 no. of watershed association	4 nos.	2 nos.	Participatory Rural Appraisals	N.A	Done	Done

## 4.2 Watershed Works Phase:

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

1	2	3			4											
		Pre Project			Proposed Project											
		No	Area irrigated (ha)	Storage capacity	Augmentation/ repair of existing structures				Construction of new structures				Total target			
No	Area to be treated (ha)				Storage capacity	Estimated cost (in lakhs)	No	Area to be treated (ha)	Storage capacity (per unit)	Estimated cost (in lakhs)	No	Area to be treated (ha)	Storage capacity (m <sup>3</sup> )	Estimated cost		
South Garo Hills – IWMP VI	(i) Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(ii) Pond	-	-	-	-	-	-	-	32 Nos	-	-	24.0	32 Nos.	-	-	24.0
	(iii) Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(iv) Check Dam	-	-	-	-	-	-	-	20 Nos	-	-	24.0	20 Nos.	-	-	24.0
	(v) Percolation Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(vi) Diversion Channel	-	-	-	-	-	-	-	1500 Rm	-	-	6.21	1500Rm	-	-	6.21
	(vii) Any others (please specify)															
	Protection wall	-	-	-	-	-	-	-	26 Nos	-	-	31.2	26 Nos	-	-	31.2
	Water Harvesting structure	-	-	-	-	-	-	-	16 Nos	-	-	48	16 Nos	-	-	48
<b>Total</b>					-	-	-	-	<b>78 Nos &amp; 1500 Rm</b>	-	-	<b>133.41</b>	<b>78 nos.&amp; 1500 Rm</b>	-	-	<b>133.41</b>

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

1	2	3		4									
		Pre-project		Proposed target									
		No.	Area irrigated (ha)	Augmentation/ repair of existing recharging structures			Construction of new recharging structures			Total target			
No.	Area to be irrigated (ha)			Estimated cost	No.	Area to be irrigated (ha)	Estimated cost	Area to be irrigated (ha)	Estimated cost				
South Garo Hills - IWMP-VI	(i)Open wells		Nil		Nil		32 16	- -	24.0 48.0	Nil			
	(ii)Bore wells												
	(iii)Any others (Pl. specify) 1 Dug Out Pond 2 Water Harvesting												
	Total for the project												

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

The Watershed Committee (WC) has constituted the User Groups in the Watershed area with the help of WDT. These User Groups are homogenous groups of persons most affected by each work/ activity and include only those having land holdings within the watershed areas. Each User Group consist of those who are likely to derive direct benefits from a particular watershed work or activity. The Watershed Committee (WC) with the help of the WDT shall facilitate resource-use agreements among the User Groups based on the principles of equity and sustainability. These agreements shall be worked out before the concerned work is undertaken. It must be regarded as a pre-condition for that activity. The User Groups will be responsible for the operation and maintenance.

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

The Watershed Committee has constituted SHGs in the watershed area with the help of WDT from amongst poor, small and marginal farmer households, landless/asset less poor agricultural labourers, women, and SC/ST persons. These Groups are homogenous groups having common identity and interest who are dependent on the watershed area for their livelihood. Each Self Help Group will be provided with a revolving fund of an amount to be decided by the Nodal Ministry.

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

1	2		3		4		5		6		7		8		9		10		11		12	
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 Estimated Cost	
	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)
SGH IWMP -VI	370 Ha	32.87 lakh	94 nos.	133.41 lakh	80 ha.	6.88 lakh	-	-	-	-	-	-	158 units	23.64 lakhs	52 Units	7.6 lakhs	-	-	274 Units	27.48 Lakhs	450 ha.	231.88 lakhs

#### 4.2.6 Details of engineering structures in watershed works:

1	2	3			4			5				
		Type of treatment			Type of land			Target				Expected month & year of completion (mm/yyyy)
		(i) Ridge area (R)	(ii) Drainage line (D)	(iii) Land Dev. (L)	(i) Pri-vate	(ii) Com-munity	(iii) Others (pl. specify)	No. of units (No./ cum./ rmt)	Estimated cost (Rs. in lakh)			
M	W								O	T		
South Garo Hills- IWMP -VI	Staggered trenching											
	Loose boulder Contour bund											
	Graded bunding											
	Protection wall		D	L	P	C	32 Nos.	12.48	18.72		31.2	2015-16
	Earthen checks dams											
	Masonary stop Dams											
	Gully plug											
	Gabion structures											
	Underground dykes											
	Field bunds											
	Any others (pl. specify)											
	1.CC Check Dam	R	D		P	C	20 Nos.	9.6	14.4		24	2015-16
2.Water Harvesting				P	C	16 Nos.	19.2	28.8		48	2015-16	



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

1	2	3			4			5			
		Type of treatment			Type of land			Target			
Project	Name of structure/ work	(i) Ridge area (R)	(ii) Drainage line (D)	(iii) Land dev. (L)	(i) Private	(ii) Community	(iii) Others (pl. specify)	Area (ha)	No. of plants	Estimated cost (Rs. in lakh)	Expected month & year of completion (mm/ yyyy)
South Garo Hills IWMP-VI	Afforestation	✓				✓		70	28,000	7.07	2015-16
	Regeneration										
	Agro-forestry										
	Fuel wood										
	Fodder										
	Agro- Horticulture										
	Pasture dev.										
	Nursery raising					✓		80 Ha	96,000	6.88	2015-16
	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.

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

1	2	3			4	
Project	Name of activity@	Type of land			Target	
		(i) Private	(ii) Community	(iii) Others (landless)	Estimated cost (Rs. in lakh)	Expected month & year of completion (mm/yyyy)
South Garo Hills- IWMP-VI	Carpentry			28 units	1.4	2015-16
	Bee keeping(Apiculture)			32 units	2.56	2015-16
	Poultry			90 units	12.92	2015-16
	Pisciculture			52 units	7.6	2015-16
	Piggery Farming			68 units	10.72	2015-16
	Compost pit			40 units	1.0	2015-16
	Kitchen gardening			40 units	1.0	2015-16
	Tailoring			20 units	1.6	2015-16
	Agricultural implements			44 units	2.2	2015-16
	Weaving			60 units	11.0	2015-16
	Betel nut Processing			10 units	5.0	2015-16

(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.

### 4.3 Consolidation and withdrawal phase

Details of activities in the CPRs in the project areas:

1	2	3	4	5			
Names of projects	Name(s) of the villages	CPR particulars	Activity proposed	Target			
				Target area under the activity (ha)	Estimated expenditure (Rs.)	Expected no. of beneficia-ries	Estimated contri-bution to WDF (Rs.)
South Garo Hills-IWMP-VI	1.Rangmai Songmong 2.Inchragre 3.Aruakgre 4.Jongjang gittim 5.Rengguagre	a) Dug out Pond b) Protection Wall/Retaining Wall c) Water Harvesting structure d) CC Check Dam	a) Dug out Pond b) Protection Wall/Retaining Wall c) Water Harvesting structure d) CC Check Dam	-	9.0	171	0.45

**CHAPTER V**  
**ACTION PLAN OF IWMP PROJECT - VI**

**ACTION PLAN OF IWMP-VI (2011-12) Batch - III PROJECT, SOUTH GARO HILLS DISTRICT**

*Fin. Rs.in Lakh.*

	Activities	TOTAL				1st Year				2nd Year				3rd Year				4th Year				5th Year			
		Physical			Fin	Physical			Fin	Physical			Fin	Physical			Fin	Physical			Fin	Physical			Fin
		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.	
<b>I</b>	Administrative Cost				30							6			15				9						
<b>II</b>	Monitoring & Evaluation		12		6					4		1.5		4		3		4		1.5					
	<b>Sub Total (I+II)</b>		12		36					4		7.5		4		18		4		10.5					
<b>III</b>	<b>Preparatory Phase</b>																								
	<b>EPA</b>																								
	i. Drinking Well/ Spring tapped chamber		12		12		12		12																
	ii. ....																								
	<b>DPR</b>		2		3		2		3																
	<b>Institutional &amp; Capacity Building</b>		28		15		4		3		12		6		6		3		6		3				
	<b>Sub-Total of III</b>		42		30		18		18		12		6		6		3		6		3				
<b>IV</b>	<b>Works Phase</b>																								
	<b>A. Arable Land Treatment</b>																								
	Vegetative Barriers																								
	Contours Bunds																								
	Horticulture Development																								
	<b>Sub-Total of A</b>																								
	<b>B. Non- Arable Land</b>																								
	Afforestation	70			7.07					13.8		1.19	44.76		3.85	11.4			2.03						
	Agro-Forestry																								
	Nursery Establishment	80			6.88							80		6.88											
	Black Pepper Plantation	20			1.72							20		1.72											
	Mango Plantation	70			6.02							70		6.02											
	Rubber Plantation	150			12.9					22.7		1.95	80.23		6.9	47.1			4.05						
	<b>Sub Total of B</b>	<b>390</b>			<b>34.59</b>					<b>36.5</b>		<b>3.14</b>	<b>294.99</b>		<b>25.37</b>	<b>58.5</b>			<b>6.08</b>						
	<b>C. Drainage Line Treatment</b>																								
	Farm Ponds / Dug Out Ponds		32		24					6		4.5		16		12		10		7.5					
	Water Harvesting Structures		16		48					2		6		12		36		2		6					
	CC Check Dam		20		24					2		2.4		16		19.2		2		2.4					
	Loose Boulder Check Dam																								
	CC Protection Wall/ Retaining Wall		26		31.2					4		4.8		14		16.8		8		9.6					
	Drip Irrigation																								
	Runoff Disposal Channel			1500	6.21						490	1.66			460	1.63			550	2.92					
	<b>Sub Total of C</b>		<b>94</b>	<b>1500</b>	<b>133.41</b>					<b>14</b>	<b>490</b>	<b>19.4</b>		<b>58</b>	<b>460</b>	<b>85.63</b>		<b>22</b>	<b>550</b>	<b>28.42</b>					



<b>D. Livelihood</b>																											
Tailoring		20		1.6					8		0.64		4		0.32		8		0.64								
Carpentry/Black smithy		28		1.4					4		0.2		4		0.2		20		1								
Agriculture implements		44		2.2									28		1.4		16		0.8								
Vegetables Production/ Kitchen Gardening		40		1					6		0.15		10		0.25		24		0.6								
Apiculture		32		2.56					4		0.32		6		0.48		22		1.76								
Piggery		44		3.52					4		0.32		20		1.6		20		1.6								
Poultry		64		5.12					4		0.32		20		1.6		40		3.2								
Vermi-Composting																											
Composting		40		1					6		0.15		14		0.35		20		0.5								
Weaving		40		5					4		0.5		16		2		20		2.5								
Pisciculture		36		3.6					4		0.4		8		0.8		24		2.4								
<b>Sub Total of D</b>		<b>388</b>		<b>27</b>					<b>44</b>		<b>3</b>		<b>130</b>		<b>9</b>		<b>214</b>		<b>15</b>								
<b>E. Production Systems</b>																											
Poultry/Piggery																											
Poultry Farming		26		7.8					4		1.2		6		1.8		16		4.8								
Piggery Farming		24		7.2					4		1.2		6		1.8		14		4.2								
Pisciculture (including supply of fingerlings)		16		4									4		1		12		3								
Betel nut Soaking Tank		10		5									4		2		6		3								
Weaving & Handloom		20		6					2		0.6		8		2.4		10		3								
<b>Sub Total of E</b>		<b>96</b>		<b>30</b>					<b>10</b>		<b>3</b>		<b>28</b>		<b>9</b>		<b>58</b>		<b>18</b>								
<b>Sub Total of IV (A+B+C+D+E)</b>		<b>390</b>	<b>578</b>	<b>1500</b>	<b>225</b>				<b>36.5</b>	<b>68</b>	<b>490</b>	<b>28.5</b>	<b>294.99</b>	<b>216</b>	<b>460</b>	<b>129</b>	<b>58.5</b>	<b>294</b>	<b>550</b>	<b>67.5</b>							
<b>V Consolidation Phase</b>																											
<b>Sub Total of V</b>		<b>44</b>		<b>9</b>																						<b>44</b>	<b>9</b>
<b>Grand Total (I+II+III+IV+V)</b>		<b>390</b>	<b>676</b>	<b>1500</b>	<b>300</b>			<b>18</b>		<b>18</b>	<b>36.5</b>	<b>84</b>	<b>490</b>	<b>42</b>	<b>294.99</b>	<b>226</b>	<b>460</b>	<b>150</b>	<b>58.5</b>	<b>304</b>	<b>550</b>	<b>81</b>			<b>44</b>	<b>9</b>	

*(Rupees Three Hundred Lakhs) only*

Divisional Officer & Project Manager  
 Baghmara Soil & Water Cons.(CC) Division  
 South Garo Hills, Meghalaya

Deputy Commissioner & Chairman WDCDC  
 South Garo Hills, Meghalaya

ACTION PLAN  
OF  
MIDDLE RONGDI MICRO-WATERSHED  
UNDER  
IWMP PROJECT - VI



**ACTION PLAN OF MIDDLE RONGDI MICRO-WATERSHED IWMP-VI (2011-12) Batch - III PROJECT, SOUTH GARO HILLS DISTRICT**

*Fin. Rs.in Lakh.*

	Activities	TOTAL				1st Year				2nd Year				3rd Year				4th Year				5th Year			
		Physical			Fin	Physical			Fin	Physical			Fin	Physical			Fin	Physical			Fin	Physical			Fin
		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.	
<b>I</b>	Administrative Cost				15							3			7.5				4.5						
<b>II</b>	Monitoring & Evaluation		3		3					1		0.75		1		1.5		1	0.75						
	<b>Sub Total (I+II)</b>		3		18					1		3.75		1		9		1	5.25						
<b>III</b>	<b>Preparatory Phase</b>																								
	<b>EPA</b>																								
	i. Drinking Well/ Spring tapped chamber		6		6		6		6																
	ii. ....																								
	<b>DPR</b>		1		1.5		1		1.5																
	<b>Institutional &amp; Capacity Building</b>		14		7.5		2		1.5		6		3		3		1.5		3		1.5				
	<b>Sub-Total of III</b>		21		15		9		9		6		3		3		1.5		3		1.5				
<b>IV</b>	<b>Works Phase</b>																								
	<b>A. Arable Land Treatment</b>																								
	Vegetative Barriers																								
	Contours Bunds																								
	Horticulture Development																								
	<b>Sub-Total of A</b>																								
	<b>B. Non- Arable Land</b>																								
	Afforestation	35			3.535					5.89		0.595		19.06		1.925		10.05		1.015					
	Agro-Forestry																								
	Nursery Establishment	40			3.44								40		3.44										
	Black Pepper Plantation	10			0.86								10		0.86										
	Mango Plantation	35			3.01								35		3.01										
	Rubber Plantation	75			6.45					11.34		0.975		40.12		3.45		23.54		2.025					
	<b>Sub Total of B</b>	195			17.295					17.23		1.57		144.18		12.69		33.59		3.04					
	<b>C. Drainage Line Treatment</b>																								
	Farm Ponds / Dug Out Ponds		16		12						3	2.25		8		6		5		3.75					
	Water Harvesting Structures		8		24						1	3		6		18		1		3					
	CC Check Dam		10		12						1	1.2		8		9.6		1		1.2					
	Loose Boulder Check Dam																								
	CC Protection Wall/ Retaining Wall		13		15.6						2	2.4		7		8.4		4		4.8					
	Runoff Disposal Channel			795	3.105							245	0.83		230	0.815			320	1.46					
	<b>Sub Total of C</b>		47	795	66.705						7	245	9.68		29	230	42.82		11	320	14.21				



<b>D. Livelihood</b>																							
Tailoring		10		0.8					4		0.32		2		0.16		4		0.32				
Carpentry/Black smithy		14		0.7					2		0.1		2		0.1		10		0.5				
Agriculture implements		22		1.1									14		0.7		8		0.4				
Vegetables Production/ Kitchen Gardening		20		0.5					3		0.075		5		0.125		12		0.3				
Apiculture		16		1.28					2		0.16		3		0.24		11		0.88				
Piggery		22		1.76					2		0.16		10		0.8		10		0.8				
Poultry		32		2.56					2		0.16		10		0.8		20		1.6				
Vermi-Composting																							
Composting		20		0.5					3		0.075		7		0.175		10		0.25				
Weaving		20		2.5					2		0.25		8		1		10		1.25				
Pisciculture		18		1.8					2		0.2		4		0.4		12		1.2				
<b>Sub Total of D</b>		<b>194</b>		<b>13.5</b>					<b>22</b>		<b>1.5</b>		<b>65</b>		<b>4.5</b>		<b>107</b>		<b>7.5</b>				
<b>E. Production Systems</b>																							
Poultry/Piggery																							
Poultry Farming		13		3.9					2		0.6		3		0.9		8		2.4				
Piggery Farming		12		3.6					2		0.6		3		0.9		7		2.1				
Pisciculture (including supply of fingerlings)		8		2									2		0.5		6		1.5				
Betel nut Soaking Tank		5		2.5									2		1		3		1.5				
Weaving & Handloom		10		3					1		0.3		4		1.2		5		1.5				
<b>Sub Total of E</b>		<b>48</b>		<b>15</b>					<b>5</b>		<b>1.5</b>		<b>14</b>		<b>4.5</b>		<b>29</b>		<b>9</b>				
<b>Sub Total of IV (A+B+C+D+E)</b>		<b>195</b>	<b>289</b>	<b>795</b>	<b>112.5</b>				<b>17.23</b>	<b>34</b>	<b>245</b>	<b>14.25</b>	<b>144.18</b>	<b>108</b>	<b>230</b>	<b>64.5</b>	<b>33.59</b>	<b>147</b>	<b>320</b>	<b>33.75</b>			
<b>V Consolidation Phase</b>																							
<b>Sub Total of V</b>			<b>22</b>		<b>4.5</b>																	<b>22</b>	<b>4.5</b>
<b>Grand Total (I+II+III+IV+V)</b>		<b>195</b>	<b>335</b>	<b>795</b>	<b>150</b>		<b>9</b>		<b>9</b>	<b>17.23</b>	<b>41</b>	<b>245</b>	<b>21</b>	<b>144.18</b>	<b>112</b>	<b>230</b>	<b>75</b>	<b>33.59</b>	<b>151</b>	<b>320</b>	<b>40.5</b>	<b>22</b>	<b>4.5</b>

(Rupees One hundred fifty lakhs) only

Divisional Officer & Project Manager  
Baghmara Soil & Water Cons.(CC) Division  
South Garo Hills, Meghalaya

Secretary of Middle Rongdi Micro Watershed  
IWMP-VI  
South Garo Hills, Meghalaya

Chairman of Middle Rongdi Micro Watershed  
IWMP-VI  
South Garo Hills, Meghalaya

VILLAGE PLAN  
OF  
MIDDLE RONGDI MICRO-WATERSHED  
UNDER  
IWMP PROJECT - VI

**VILLAGE PLAN OF INTEGRATED WATERSHED MANAGEMENT PROGRAMME-VI**

Name of Watershed	Middle Rongdi
Name of District:	South Garo Hills
Name of C&RD Block:	Rongara

Name of Villages	Nengsra
Total No. of Household	41

Rs. in Lakh

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
	<b>PREPARATORY PHASE</b> 2.00 %	2.00 %										2 %	
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
	<b>Total of B</b>	3 Nos	3.00									3 Nos.	3.00
II	<b>PROJECT COST/ WATERSHED WORKS PHASE</b>			5.73 %		20.96 %		7.007 %				34 %	
A.	<b>Non-Arable Land Treatment</b> 34 %												
i	Nursery Establishment-Arecanut @ Rs. 8,600 / No.					22 Ha	1.892					22 Ha	1.892
ii	Black Pepper Plantation @ Rs. 8,600 /- per Ha					6 Ha	0.516					6 Ha	0.516
iii	Mango Plantation @ Rs. 8,600 /- per Ha					20 Ha	1.72					20 Ha	1.72
iv	Afforestation (Non Pine) @ Rs. 10,100/-												
	a) Preliminary Year @ Rs. 1,700 /- per Ha			20 Ha.	0.340							20 Ha.	0.34
	b) 1st Year Planting @ Rs. 5,500 /- per Ha					Mntce	1.10						1.10
	c) 2nd Year Planting @ Rs. 2,900 /- per Ha							Mntce	0.58				0.580
v	Rubber Plantation @ Rs. 8,600												
	a) Pre-Work @ Rs. 1,300 /- per Ha.			40 Ha	0.520							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				1.080
	<b>Total of A</b>			60 Ha.	0.860	48 Ha	7.068		1.66			108 Ha.	9.588

<b>B</b>	<b>Drainage Line Treatment</b>												
i	Small Dug-Out Pond @ Rs. 75,000			2 Nos.	1.50	5 Nos.	3.75	3 Nos	2.25			10 Nos.	7.50
ii	Protection/ Retaining Wall @ Rs. 1,20,000			1 No	1.20	5 Nos.	6.00	2 Nos	2.40			8 Nos.	9.60
iii	Water Harvesting Structure @ Rs. 3,00,000			1 No.	3.00	3 Nos.	9.00	1 No	3.00			5 Nos.	15.00
iv	C.C Check Dam @ Rs. 1,20,000			1 No.	1.20	4 Nos.	4.80	1 No	1.20			6 Nos.	7.20
v	Run-off Disposal/ Diversion Channel as per Estimate			245 Rm	0.83	230 Rm.	0.815					475 Rm.	1.645
	<b>Total of B</b>			5 No. 245 Rm	7.73	17 Nos. 230 Rm.	24.365	7 Nos.	8.85			29 Nos 475 Rm.	40.945
	<b>Total of A+ B</b>	34 %		245 Rm 60 Ha. 5 Nos.	8.59	230 Rm. 17 Nos.	31.433	7 Nos.	10.51			475 Rm. 108 Ha. 29 Nos	50.533
<b>C</b>	<b>Livelihood Activities</b>	5.19 %		0.83 %		1.49 %		2.87 %				5.187 %	
	<b>for the asset less persons</b>												
i	Tailoring @ Rs 8,000 /- Unit			2 Units	0.16	1 Unit	0.08	3 Units	0.24			6 Units	0.48
ii	Carpentry @ Rs 5,000 /- Unit			1 Unit	0.05	1 Unit	0.05	6 Units	0.30			8 Units	0.40
iii	Kitchen Gardening @ Rs 2,500 /- Unit			2 Units	0.050	3 Units	0.075	7 Units	0.18			12 Units	0.300
iv	Weaving @ Rs 12,500 /- Unit			2 Units	0.25	3 Units	0.375	7 Units	0.88			12 Units	1.50
v	Piggery @ Rs 8,000 /- Unit			2 Units	0.16	5 Units	0.40	5 Units	0.40			12 Units	0.96
vi	Poultry @ Rs 8,000 /- Unit			2 Units	0.16	5 Units	0.40	11 Units	0.88			18 Units	1.44
vii	Apiculture @ Rs 8,000 /- Unit			2 Units	0.16	2 Units	0.16	6 Units	0.48			10 Units	0.80
viii	Pisciculture @ Rs 10,000 /- Unit			2 Units	0.20	2 Units	0.20	6 Units	0.60			10 Units	1.00
ix	Compos Pit @ Rs 2,500 /- Unit			2 Units	0.050	4 Units	0.10	6 Units	0.15			12 Units	0.300
x	Agricultural implements @ Rs 5,000 /- Unit					8 Units	0.40	4 Units	0.20			12 Units	0.60
	<b>Total of C</b>			17 Units	1.24	34 Units	2.24	61 Units	4.30			112 Units	7.78
<b>D</b>	<b>Production System</b>	6 %		0.60 %		1.90 %		3.53 %				6.033 %	
i	Piggery @ Rs 30,000 /- Unit			1 Unit	0.30	2 Units	0.60	4 Units	1.20			7 Units	2.10
ii	Poultry @ Rs 30,000 /- Unit			1 Unit	0.30	3 Units	0.90	4 Units	1.20			8 Units	2.40
iii	Weaving/Handloom @ Rs 30,000 /- Unit			1 Unit	0.30	2 Units	0.60	3 Units	0.90			6 Units	1.80
iv	Betel Nut Processing @ Rs 50,000 /- Unit					1 Unit	0.50	2 Units	1.00			3 Units	1.50
v	Pisciculture @ Rs 25,000 /- Unit					1 Unit	0.25	4 Units	1.00			5 Units	1.25
	<b>Total of D</b>			3 Units	0.90	9 Units	2.85	17 Units	5.30			29 Units	9.05
	<b>Grand Total</b>		3.00		10.73		36.523		20.11				70.363

**VILLAGE PLAN OF INTEGRATED WATERSHED MANAGEMENT PROGRAMME-VI**

Name of Watershed	Middle Rongdi
Name of District:	South Garo Hills
Name of C&RD Block:	Rongara

Name of Villages	Inolgre
Total No. of Household	31

Sl No.	Activities	Rs. in Lakh											
		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
	<b>PREPARATORY PHASE</b> 2.00 %	2.00 %										2 %	
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
II	<b>PROJECT COST/ WATERSHED WORKS PHASE</b>			1.77 %		16.04 %		4.493 %				22.31 %	
A.	<b>Non-Arable Land Treatment</b> 22.31 %												
i	Nursery Establishment-Arecanut @ Rs. 8,600 / No.					18 Ha	1.548					18 Ha	1.548
ii	Black Pepper Plantation @ Rs. 8,600 /- per Ha					4 Ha	0.344					4 Ha	0.344
iii	Mango Plantation @ Rs. 8,600 /- per Ha					15 Ha	1.29					15 Ha	1.29
iv	Afforestation (Non Pine) @ Rs. 10,100/-												
	a) Preliminary Year @ Rs. 1,700 /- per Ha			15 Ha.	0.255							15 Ha.	0.255
	b) 1st Year Planting @ Rs. 5,500 /- per Ha					Mntce	0.825						0.825
	c) 2nd Year Planting @ Rs. 2,900 /- per Ha							Mntce	0.435				0.435
v	Rubber Plantation @ Rs. 8,600												
	a) Pre-Work @ Rs. 1,300 /- per Ha.			35 Ha	0.455							35 Ha	0.455
	b) 1st Year Planting including cost of Rubber Stump @ Rs. 4,600 /- per Ha.					Mntce	1.61						1.61
	c) 2nd Year Planting @ Rs. 2,700 /- per Ha.							Mntce	0.945				0.945
	Total of A			50 Ha.	0.710	37 Ha	5.617		1.38			87 Ha.	7.707

<b>B</b>	<b>Drainage Line Treatment</b>												
i	Small Dug-Out Pond @ Rs. 75,000			1 No.	0.75	3 Nos.	2.25	2 Nos	1.50			6 Nos.	4.50
ii	Protection/ Retaining Wall @ Rs. 1,20,000			1 No.	1.20	2 Nos.	2.40	2 Nos	2.40			5 Nos.	6.00
iii	Water Harvesting Structure @ Rs. 3,00,000				-	3 Nos.	9.00		-			3 Nos.	9.00
iv	C.C Check Dam @ Rs. 1,20,000				-	4 Nos.	4.80		-			4 Nos.	4.80
v	Run-off Disposal/ Diversion Channel as per Estimate							320 Rm	1.46			320 Rm.	1.46
	<b>Total of B</b>			2 Nos.	1.95	12 Nos.	18.45	4 Nos. 320 Rm	5.36			18 Nos 320 Rm.	25.76
	<b>Total of A+ B</b>			50 Ha. 2 Nos.	2.66	12 Nos.	24.067	320 Rm 4 Nos.	6.74			320 Rm. 87 Ha. 18 Nos	33.467
<b>C</b>	<b>Livelihood Activities</b>				0.45 %		1.22 %		2.15 %				3.813 %
	<b>for the asset less persons</b>												
i	Tailoring @ Rs 8,000 /- Unit			1 Unit	0.08	1 Unit	0.08	2 Units	0.16			4 Units	0.32
ii	Carpentry @ Rs 5,000 /- Unit			1 Unit	0.05	1 Unit	0.05	4 Units	0.20			6 Units	0.30
iii	Kitchen Gardening @ Rs 2,500 /- Unit			1 Unit	0.025	2 Units	0.05	5 Units	0.125			8 Units	0.20
iv	Weaving @ Rs 12,500 /- Unit			1 Unit	0.125	3 Units	0.375	4 Units	0.50			8 Units	1.00
v	Piggery @ Rs 8,000 /- Unit			1 Unit	0.08	4 Units	0.32	5 Units	0.40			10 Units	0.80
vi	Poultry @ Rs 8,000 /- Unit			1 Unit	0.08	4 Units	0.32	9 Units	0.72			14 Units	1.12
vii	Apiculture @ Rs 8,000 /- Unit			1 Unit	0.08	1 Unit	0.08	4 Units	0.32			6 Units	0.48
viii	Pisciculture @ Rs 10,000 /- Unit			1 Unit	0.10	2 Units	0.20	5 Units	0.50			8 Units	0.80
ix	Compost Pit @ Rs 2,500 /- Unit			2 Units	0.05	2 Units	0.05	4 Units	0.10			8 Units	0.20
x	Agricultural implements @ Rs 5,000 /- Unit					6 Units	0.30	4 Units	0.20			10 Units	0.50
	<b>Total of C</b>			10 Units	0.67	26 Units	1.825	46 Units	3.225			82 Units	5.72
<b>D</b>	<b>Production System</b>				0.60 %		1.10 %		2.27 %				3.967 %
i	Piggery @ Rs 30,000 /- Unit			1 Unit	0.30	1 Unit	0.30	3 Units	0.90			5 Units	1.50
ii	Poultry @ Rs 30,000 /- Unit			1 Unit	0.30	1 Unit	0.30	3 Units	0.90			5 Units	1.50
iii	Weaving/Handloom @ Rs 30,000 /- Unit			1 Unit	0.30	1 Unit	0.30	2 Units	0.60			4 Units	1.20
iv	Betel Nut Processing @ Rs 50,000 /- Unit					1 Unit	0.50	1 Unit	0.50			2 Units	1.00
v	Pisciculture @ Rs 25,000 /- Unit					1 Unit	0.25	2 Units	0.50			3 Units	0.75
	<b>Total of D</b>			3 Units	0.90	5 Units	1.65	11 Units	3.40			19 Units	5.95
	<b>Grand Total</b>		3.00		4.23		27.542		13.365				48.137



ACTION PLAN  
OF  
LOWER RONGDI MICRO-WATERSHED  
UNDER IWMP-VI

**ACTION PLAN OF LOWER RONGDI MICRO-WATERSHED IWMP-VI (2011-12) Batch - III PROJECT, SOUTH GARO HILLS DISTRICT**

*Fin. Rs.in Lakh.*

	Activities	TOTAL				1st Year				2nd Year				3rd Year				4th Year				5th Year			
		Physical			Fin	Physical			Fin	Physical			Fin	Physical			Fin	Physical			Fin	Physical			Fin
		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.		Ha.	Nos.	Rmt.	
<b>I</b>	Administrative Cost				15				3				7.5				4.5								
<b>II</b>	Monitoring & Evaluation		3		3				1		0.75		1		1.5		1		0.75						
	<b>Sub Total(I+II)</b>		3		18				1		3.75		1		9		1		5.25						
<b>III</b>	<b>Preparatory Phase</b>																								
	<b>EPA</b>																								
	i. Drinking Well/ Spring tapped chamber		6		6	6		6																	
	ii. ....																								
	<b>DPR</b>		1		1.5	1		1.5																	
	<b>Institutional &amp; Capacity Building</b>		14		7.5	2		1.5	6		3	3		1.5	3		1.5								
	<b>Sub-Total of III</b>		21		15	9		9	6		3	3		1.5	3		1.5								
<b>IV</b>	<b>Works Phase</b>																								
	<b>A. Arable Land Treatment</b>																								
	Vegetative Barriers																								
	Contours Bunds																								
	Horticulture Development																								
	<b>Sub-Total of A</b>																								
	<b>B. Non- Arable Land</b>																								
	Afforestation	35			3.535				5.89		0.595	19.06		1.925	10.05		1.015								
	Agro-Forestry																								
	Nursery Establishment	40			3.44							40		3.44											
	Black Pepper Plantation	10			0.86							10		0.86											
	Mango Plantation	35			3.01							35		3.01											
	Rubber Plantation	75			6.45				11.34		0.975	40.12		3.45	23.54		2.025								
	<b>Sub Total of B</b>	<b>195</b>			<b>17.295</b>				<b>17.23</b>		<b>1.57</b>	<b>144.18</b>		<b>12.69</b>	<b>33.59</b>		<b>3.04</b>								
	<b>C. Drainage Line Treatment</b>																								
	Farm Ponds / Dug Out Ponds		16		12				3		2.25	8		6	5		3.75								
	Water Harvesting Structures		8		24				1		3	6		18	1		3								
	CC Check Dam		10		12				1		1.2	8		9.6	1		1.2								
	Loose Boulder Check Dam																								
	CC Protection Wall/ Retaining Wall		13		15.6				2		2.4	7		8.4	4		4.8								
	Runoff Disposal Channel			795	3.105						245	0.83		230	0.815		320	1.46							
	<b>Sub Total of C</b>		<b>47</b>	<b>795</b>	<b>66.705</b>				<b>7</b>	<b>245</b>	<b>9.68</b>	<b>29</b>	<b>230</b>	<b>42.82</b>	<b>11</b>	<b>320</b>	<b>14.21</b>								



<b>D. Livelihood</b>																							
Tailoring		<b>10</b>		<b>0.8</b>				4		0.32		2		0.16		4		0.32					
Carpentry/Black smithy		<b>14</b>		<b>0.7</b>				2		0.1		2		0.1		10		0.5					
Agriculture implements		<b>22</b>		<b>1.1</b>								14		0.7		8		0.4					
Vegetables Production/ Kitchen Gardening		<b>20</b>		<b>0.5</b>				3		0.075		5		0.125		12		0.3					
Apiculture		<b>16</b>		<b>1.28</b>				2		0.16		3		0.24		11		0.88					
Piggery		<b>22</b>		<b>1.76</b>				2		0.16		10		0.8		10		0.8					
Poultry		<b>32</b>		<b>2.56</b>				2		0.16		10		0.8		20		1.6					
Vermi-Composting																							
Composting		<b>20</b>		<b>0.5</b>				3		0.075		7		0.175		10		0.25					
Weaving		<b>20</b>		<b>2.5</b>				2		0.25		8		1		10		1.25					
Pisciculture		<b>18</b>		<b>1.8</b>				2		0.2		4		0.4		12		1.2					
<b>Sub Total of D</b>		<b>194</b>		<b>13.5</b>				<b>22</b>		<b>1.5</b>		<b>65</b>		<b>4.5</b>		<b>107</b>		<b>7.5</b>					
<b>E. Production Systems</b>																							
Poultry/Piggery																							
Poultry Farming		<b>13</b>		<b>3.9</b>				2		0.6		3		0.9		8		2.4					
Piggery Farming		<b>12</b>		<b>3.6</b>				2		0.6		3		0.9		7		2.1					
Pisciculture (including supply of fingerlings)		<b>8</b>		<b>2</b>								2		0.5		6		1.5					
Betel nut Soaking Tank		<b>5</b>		<b>2.5</b>								2		1		3		1.5					
Weaving & Handloom		<b>10</b>		<b>3</b>				1		0.3		4		1.2		5		1.5					
<b>Sub Total of E</b>		<b>48</b>		<b>15</b>				<b>5</b>		<b>1.5</b>		<b>14</b>		<b>4.5</b>		<b>29</b>		<b>9</b>					
<b>Sub Total of IV (A+B+C+D+E)</b>	<b>195</b>	<b>289</b>	<b>795</b>	<b>112.5</b>				<b>17.23</b>	<b>34</b>	<b>245</b>	<b>14.25</b>	<b>144.18</b>	<b>108</b>	<b>230</b>	<b>64.5</b>	<b>33.59</b>	<b>147</b>	<b>320</b>	<b>33.75</b>				
<b>V Consolidation Phase</b>																							
<b>Sub Total of V</b>		<b>22</b>		<b>4.5</b>																		<b>22</b>	<b>4.5</b>
<b>Grand Total (I+II+III+IV+V)</b>	<b>195</b>	<b>335</b>	<b>795</b>	<b>150</b>		<b>9</b>	<b>9</b>	<b>17.23</b>	<b>41</b>	<b>245</b>	<b>21</b>	<b>144.18</b>	<b>112</b>	<b>230</b>	<b>75</b>	<b>33.59</b>	<b>151</b>	<b>320</b>	<b>40.5</b>		<b>22</b>	<b>4.5</b>	

(Rupees One hundred fifty lakhs) only

Divisional Officer & Project Manager  
Baghmara Soil & Water Cons.(CC) Division  
South Garo Hills, Meghalaya

Secretary of Lower Rongdi Micro Watershed  
IWMP-VI  
South Garo Hills, Meghalaya

Chairman of Lower Rongdi Micro Watershed  
IWMP-VI  
South Garo Hills, Meghalaya

VILLAGE PLAN  
OF  
LOWER RONGDI MICRO-WATERSHED  
UNDER  
IWMP-VI

**VILLAGE PLAN OF INTEGRATED WATERSHED MANAGEMENT PROGRAMME-VI**

Name of Watershed	Lower Rongdi
Name of District:	South Garo Hills
Name of C&RD Block:	Rongara

Name of Villages	Potchismile
Total No. of Household	27

Rs. in Lakh

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
	<b>PREPARATORY PHASE</b> 1.33 %	1.33	%									1.333	%
B	Entry Point Activites:												
i	Construction of Drinking Water System Spring Chamber with Tank @ Rs. 1,00,000	2 Nos	2.00									2 Nos.	2.00
	Total of B	2 Nos	2.00									2 Nos.	2.00
II	<b>PROJECT COST/ WATERSHED WORKS PHASE</b>			3.01	%	9.35	%	4.082	%			16	%
A.	<b>Non-Arable Land Treatment</b> 16 %												
i	Nursery Establishment-Arecanut @ Rs. 8,600 / No.					12 Ha	1.032					12 Ha	1.032
ii	Black Pepper Plantation @ Rs. 8,600 /- per Ha					3 Ha	0.258					3 Ha	0.258
iii	Mango Plantation @ Rs. 8,600 /- per Ha					12 Ha	1.032					12 Ha	1.032
iv	Afforestation (Non Pine) @ Rs. 10,100/-												
	a) Preliminary Year @ Rs. 1,700 /- per Ha			12 Ha.	0.204							12 Ha.	0.204
	b) 1st Year Planting @ Rs. 5,500 /- per Ha					Mntce	0.660						0.66
	c) 2nd Year Planting @ Rs. 2,900 /- per Ha							Mntce	0.348				0.348
v	Rubber Plantation @ Rs. 8,600												
	a) Pre-Work @ Rs. 1,300 /- per Ha.			25 Ha	0.325							25 Ha	0.325
	b) 1st Year Planting including cost of Rubber Stump @ Rs. 4,600 /- per Ha.					Mntce	1.150						1.15
	c) 2nd Year Planting @ Rs. 2,700 /- per Ha.							Mntce	0.675				0.675
	Total of A			37 Ha.	0.529	27 Ha	4.132		1.023			64 Ha.	5.684

<b>B</b>	<b>Drainage Line Treatment</b>												
i	Small Dug-Out Pond @ Rs. 75,000			1 No.	0.75	2 Nos.	1.50	2 Nos	1.50			5 Nos.	3.75
ii	Protection/ Retaining Wall @ Rs. 1,20,000			1 No.	1.20	1 No.	1.20	2 Nos	2.40			4 Nos.	4.80
iii	Water Harvesting Structure @ Rs. 3,00,000				-	2 Nos.	6.00		-			2 Nos.	6.00
iv	C.C Check Dam @ Rs. 1,20,000			1 No.	1.20	1 No.	1.20	1 No	1.20			3 Nos.	3.60
v	Run-off Disposal/ Diversion Channel as per Estimate			245 Rm	0.83							245 Rm.	0.83
	<b>Total of B</b>			3 Nos. 245 Rm	3.98	6 Nos.	9.90	5 Nos.	5.10			14 Nos 245 Rm.	18.98
	<b>Total of A+ B</b>	16 %		245 Rm 37 Ha. 3 Nos.	4.509	6 Nos.	14.032	5 Nos.	6.123			245 Rm. 37 Ha. 14 Nos	24.664
<b>C</b>	<b>Livelihood Activities</b>	2.817 %			0.72 %		0.98 %		1.12 %				2.817 %
	<b>for the asset less persons</b>												
i	Tailoring @ Rs 8,000 /- Unit			1 Unit	0.08	1 Unit	0.08	1 Unit	0.08			3 Units	0.24
ii	Carpentry @ Rs 5,000 /- Unit			1 Unit	0.05	1 Unit	0.05	2 Units	0.10			4 Units	0.20
iii	Kitchen Gardening @ Rs 2,500 /- Unit			2 Units	0.05	2 Units	0.05	2 Units	0.05			6 Units	0.15
iv	Weaving @ Rs 12,500 /- Unit			2 Units	0.25	2 Units	0.25	2 Units	0.25			6 Units	0.75
v	Piggery @ Rs 8,000 /- Unit			2 Units	0.16	3 Units	0.24	2 Units	0.16			7 Units	0.56
vi	Poultry @ Rs 8,000 /- Unit			2 Units	0.16	3 Units	0.24	5 Units	0.40			10 Units	0.80
vii	Apiculture @ Rs 8,000 /- Unit			1 Unit	0.08	2 Units	0.16	2 Units	0.16			5 Units	0.40
viii	Pisciculture @ Rs 10,000 /- Unit			2 Units	0.20	2 Units	0.20	2 Units	0.20			6 Units	0.60
ix	Compos Pit @ Rs 2,500 /- Unit			2 Units	0.05	2 Units	0.05	3 Units	0.075			7 Units	0.175
x	Agricultural implements @ Rs 5,000 /- Unit					3 Units	0.15	4 Units	0.20			7 Units	0.35
				15 Units	1.08	21 Units	1.47	25 Units	1.675			61 Units	4.225
<b>D</b>	<b>Production System</b>	3 %			0.60 %		1.30 %		1.30 %				3.2 %
i	Piggery @ Rs 30,000 /- Unit			1 Unit	0.30	2 Units	0.60	1 Unit	0.30			4 Units	1.20
ii	Poultry @ Rs 30,000 /- Unit			1 Unit	0.30	1 Unit	0.30	2 Units	0.60			4 Units	1.20
iii	Weaving/Handloom @ Rs 30,000 /- Unit			1 Unit	0.30	1 Unit	0.30	1 Unit	0.30			3 Units	0.90
iv	Betel Nut Processing @ Rs 50,000 /- Unit					1 Unit	0.50	1 Unit	0.50			2 Units	1.00
v	Pisciculture @ Rs 25,000 /- Unit					1 Unit	0.25	1 Unit	0.25			2 Units	0.50
	<b>Total of D</b>			3 Units	0.90	6 Units	1.95	6 Units	1.95			15 Units	4.80
	<b>Grand Total</b>		2.00		6.489		17.452		9.748				35.689

**VILLAGE PLAN OF INTEGRATED WATERSHED MANAGEMENT PROGRAMME-VI**

Name of Watershed	Lower Rongdi
Name of District:	South Garo Hills
Name of C&RD Block:	Rongara

Name of Villages	Among Rongjol
Total No. of Household	58

Sl No.	Activities	Rs. in Lakh											
		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
	<b>PREPARATORY PHASE</b> 2.00 %	2.00 %										2 %	
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
II	<b>PROJECT COST/ WATERSHED WORKS PHASE</b>			5.07 %		15.02 %		7.793 %				28 %	
A.	<b>Non-Arable Land Treatment</b> 28 %												
i	Nursery Establishment-Arecanut @ Rs. 8,600 / No.					20 Ha	1.72					20 Ha	1.72
ii	Black Pepper Plantation @ Rs. 8,600 /- per Ha					5 Ha	0.43					5 Ha	0.43
iii	Mango Plantation @ Rs. 8,600 /- per Ha					15 Ha	1.29					15 Ha	1.29
iv	Afforestation (Non Pine) @ Rs. 10,100/-												
	a) Preliminary Year @ Rs. 1,700 /- per Ha			15 Ha.	0.255							15 Ha.	0.255
	b) 1st Year Planting @ Rs. 5,500 /- per Ha					Mntce	0.825						0.825
	c) 2nd Year Planting @ Rs. 2,900 /- per Ha							Mntce	0.435				0.435
v	Rubber Plantation @ Rs. 8,600												
	a) Pre-Work @ Rs. 1,300 /- per Ha.			35 Ha	0.455							35 Ha	0.455
	b) 1st Year Planting including cost of Rubber Stump @ Rs. 4,600 /- per Ha.					Mntce	1.610						1.61
	c) 2nd Year Planting @ Rs. 2,700 /- per Ha.							Mntce	0.945				0.945
	Total of A			50 Ha.	0.710	40 Ha	5.875		1.38			90 Ha.	7.965



<b>B</b>	<b>Drainage Line Treatment</b>												
i	Small Dug-Out Pond @ Rs. 75,000			2 Nos.	1.50	3 Nos.	2.25	3 Nos	2.25			8 Nos.	6.00
ii	Protection/ Retaining Wall @ Rs. 1,20,000			1 No	1.20	4 Nos.	4.80	2 No	2.40			7 Nos.	8.40
iii	Water Harvesting Structure @ Rs. 3,00,000			1 No.	3.00	2 Nos.	6.00	1 No	3.00			4 Nos.	12.00
iv	C.C Check Dam @ Rs. 1,20,000			1 No.	1.20	3 Nos.	3.60	1 No	1.20			5 Nos.	6.00
v	Run-off Disposal/ Diversion Channel as per Estimate							320 Rm	1.46			320 Rm.	1.46
	Total of B			5 No.	6.90	12 Nos.	16.65	7 Nos. 320 Rm	10.31			24 Nos 320 Rm.	33.86
	Total of A+ B	28 %		50 Ha. 5 Nos.	7.61	12 Nos.	22.525	320 Rm 7 Nos.	11.69			320 Rm. 90 Ha. 24 Nos	41.825
<b>C</b>	<b>Livelihood Activities</b>	4.45 %		0.77 %		1.47 %		2.20 %				4.447 %	
	<b>for the asset less persons</b>												
i	Tailoring @ Rs 8,000 /- Unit			1 Unit	0.08	1 Unit	0.08	3 Units	0.24			5 Units	0.40
ii	Carpentry @ Rs 5,000 /- Unit			1 Unit	0.05	3 Units	0.15	3 Units	0.15			7 Units	0.35
iii	Kitchen Gardening @ Rs 2,500 /- Unit			2 Units	0.05	3 Units	0.075	5 Units	0.125			10 Units	0.25
iv	Weaving @ Rs 12,500 /- Unit			2 Units	0.25	3 Units	0.375	5 Units	0.625			10 Units	1.25
v	Piggery @ Rs 8,000 /- Unit			2 Units	0.16	4 Units	0.32	5 Units	0.40			11 Units	0.88
vi	Poultry @ Rs 8,000 /- Unit			2 Units	0.16	5 Units	0.40	8 Units	0.64			15 Units	1.20
vii	Apiculture @ Rs 8,000 /- Unit			2 Units	0.16	2 Units	0.16	4 Units	0.32			8 Units	0.64
viii	Pisciculture @ Rs 10,000 /- Unit			2 Units	0.20	2 Units	0.20	5 Units	0.50			9 Units	0.90
ix	Compos Pit @ Rs 2,500 /- Unit			2 Units	0.05	4 Units	0.10	4 Units	0.10			10 Units	0.25
x	Agricultural implements @ Rs 5,000 /- Unit					7 Units	0.35	4 Units	0.20			11 Units	0.55
	Total of C			16 Units	1.16	34 Units	2.21	46 Units	3.30			96 Units	6.67
<b>D</b>	<b>Production System</b>	5 %		0.77 %		1.90 %		2.27 %				4.933 %	
i	Piggery @ Rs 30,000 /- Unit			1 Unit	0.30	2 Units	0.60	3 Units	0.90			6 Units	1.80
ii	Poultry @ Rs 30,000 /- Unit			1 Unit	0.30	3 Units	0.90	3 Units	0.90			7 Units	2.10
iii	Weaving/Handloom @ Rs 30,000 /- Unit			1 Unit	0.30	2 Units	0.60	2 Units	0.60			5 Units	1.50
iv	Betel Nut Processing @ Rs 50,000 /- Unit					1 Unit	0.50	1 Unit	0.50			2 Units	1.00
v	Pisciculture @ Rs 25,000 /- Unit			1 Unit	0.25	1 Unit	0.25	2 Units	0.50			4 Units	1.00
	Total of D			4 Units	1.15	9 Units	2.85	11 Units	3.40			24 Units	7.40
	Grand Total		3.00		9.92		27.585		18.39				58.895

**VILLAGE PLAN OF INTEGRATED WATERSHED MANAGEMENT PROGRAMME-VI**

Name of Watershed	Lower Rongdi
Name of District:	South Garo Hills
Name of C&RD Block:	Rongara

Name of Villages	Dagal gittim
Total No. of Household	14

Rs. in Lakh

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
	<b>PREPARATORY PHASE</b> 0.67 %	0.67 %										0.667 %	
B	Entry Point Activites:												
i	Construction of Drinking Water System Spring Chamber with Tank @ Rs. 1,00,000	1 No	1.00									1 No	1.00
	<b>Total of B</b>	1 No	1.00									1 No	1.00
II	<b>PROJECT COST/ WATERSHED WORKS PHASE</b>			0.7207 %		6.4287 %		4.52467 %				11.674 %	
A.	<b>Non-Arable Land Treatment</b> 11.674 %												
i	Nursery Establishment-Arecanut @ Rs. 8,600 / No.					8 Ha	0.688					8 Ha	0.688
ii	Black Pepper Plantation @ Rs. 8,600 /- per Ha					2 Ha	0.172					2 Ha	0.172
iii	Mango Plantation @ Rs. 8,600 /- per Ha					8 Ha	0.688					8 Ha	0.688
iv	Afforestation (Non Pine) @ Rs. 10,100/-												
	a) Preliminary Year @ Rs. 1,700 /- per Ha			8 Ha.	0.136							8 Ha.	0.136
	b) 1st Year Planting @ Rs. 5,500 /- per Ha					Mntce	0.44						0.44
	c) 2nd Year Planting @ Rs. 2,900 /- per Ha							Mntce	0.232				0.232
v	Rubber Plantation @ Rs. 8,600												
	a) Pre-Work @ Rs. 1,300 /- per Ha.			15 Ha	0.195							15 Ha	0.195
	b) 1st Year Planting including cost of Rubber Stump @ Rs. 4,600 /- per Ha.					Mntce	0.69						0.69
	c) 2nd Year Planting @ Rs. 2,700 /- per Ha.							Mntce	0.405				0.405
	<b>Total of A</b>			23 Ha.	0.331	18 Ha	2.678		0.637			41 Ha.	3.646

<b>B</b>	<b>Drainage Line Treatment</b>												
i	Small Dug-Out Pond @ Rs. 75,000			1 No	0.75	1 No	0.75	1 No	0.75			3 Nos.	2.25
ii	Protection/ Retaining Wall @ Rs. 1,20,000				-	1 No	1.20	1 No	1.20			2 Nos.	2.40
iii	Water Harvesting Structure @ Rs. 3,00,000				-	1 No	3.00	1 No	3.00			2 Nos.	6.00
iv	C.C Check Dam @ Rs. 1,20,000				-	1 No	1.20	1 No	1.20			2 Nos.	2.40
v	Run-off Disposal/ Diversion Channel as per Estimate					230 Rm.	0.815					230 Rm.	0.815
	<b>Total of B</b>			1 No.	0.75	4 Nos. 230 Rm.	6.965	4 Nos.	6.15			9 Nos 230 Rm.	13.865
	<b>Total of A+ B</b>			23 Ha. 1 Nos.	1.08	230 Rm. 4 Nos.	9.64	4 Nos.	6.787			230 Rm. 41 Ha. 9 Nos	17.511
<b>C</b>	<b>Livelihood Activities</b>	1.737 %		0.43 %		0.60 %		0.70 %				1.737 %	
	<b>for the asset less persons</b>												
i	Tailoring @ Rs 8,000 /- Unit				-	1 Unit	0.08	1 Unit	0.08			2 Units	0.16
ii	Carpentry @ Rs 5,000 /- Unit			1 Unit	0.05	1 Unit	0.05	1 Unit	0.05			3 Units	0.15
iii	Kitchen Gardening @ Rs 2,500 /- Unit			1 Unit	0.025	1 Unit	0.025	2 Units	0.05			4 Units	0.10
iv	Weaving @ Rs 12,500 /- Unit			1 Unit	0.125	1 Unit	0.125	2 Units	0.25			4 Units	0.50
v	Piggery @ Rs 8,000 /- Unit			1 Unit	0.08	2 Units	0.16	1 Unit	0.08			4 Units	0.32
vi	Poultry @ Rs 8,000 /- Unit			2 Unit	0.16	2 Units	0.16	3 Units	0.24			7 Units	0.56
vii	Apiculture @ Rs 8,000 /- Unit			1 Unit	0.08	1 Unit	0.08	1 Unit	0.08			3 Units	0.24
viii	Pisciculture @ Rs 10,000 /- Unit			1 Unit	0.10	1 Unit	0.10	1 Unit	0.10			3 Units	0.30
ix	Compos Pit @ Rs 2,500 /- Unit			1 Unit	0.025	1 Unit	0.025	1 Unit	0.025			3 Units	0.075
x	Agricultural implements @ Rs 5,000 /- Unit					2 Units	0.10	2 Units	0.10			4 Units	0.20
	<b>Total of C</b>			9 Units	0.645	13 Units	0.905	15 Units	1.055			37 Units	2.605
<b>D</b>	<b>Production System</b>	2 %		0.40 %		1.10 %		0.37 %				1.867 %	
i	Piggery @ Rs 30,000 /- Unit			1 Unit	0.30	1 Unit	0.30					2 Units	0.60
ii	Poultry @ Rs 30,000 /- Unit					1 Unit	0.30	1 Unit	0.30			2 Units	0.60
iii	Weaving/Handloom @ Rs 30,000 /- Unit			1 Unit	0.30	1 Unit	0.30					2 Units	0.60
iv	Betel Nut Processing @ Rs 50,000 /- Unit					1 Unit	0.50					1 Units	0.50
v	Pisciculture @ Rs 25,000 /- Unit					1 Unit	0.25	1 Unit	0.25			2 Units	0.50
	<b>Total of D</b>			2 Units	0.60	5 Units	1.65	2 Units	0.55			9 Units	2.80
	<b>Total of II (A+B+C+D+E)</b>		1.00		2.326		12.198		8.392				23.916

CHAPTER- VI  
CONVERGENCE  
OF  
MIDDLE RONGDI MICRO-WATERSHED  
UNDER  
IWMP PROJECT - VI

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2011-12  
UNDER IWMP-VI**

Name of Watershed	IWMP VI
Name of Watershed	Lower & Middle Rongdi M/ Watershed
Name of C&RD Block	RONGARA
Name of the District	South Garo Hills
Total No. of Job Card Holder :	171 Household

Total Wage Component @ Rs 117/- per annum in the 1st year	Rs. 1,54,800
Total Wage Component @ Rs 117/- per annum in the 2nd year	Rs. 39,20,400
Total Wage Component @ Rs 117/- per annum in the 3rd year	Rs. 1,54,800
Total Wage Component @ Rs 117/- per annum in the 4th year	Rs. 0
<b>Total Wage Component</b>	<b>Rs. 42,30,000</b>

Sl No.	Activities	Units	PROJECT PERIOD												Total			Mandays to be Generated	
			2012-13			2013-14			2014-15			2015-16			Total				
			Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial			
				Wages	Material		Wages	Material		Wages	Material		Wages	Material		Total			
1	Small Dug out Pond @ Rs. 75000 /-	Nos.				10	4,50,000	3,00,000							10	4,50,000	3,00,000	7,50,000	3,846
2	Rubber Plantation @ Rs. 8,600 / Ha.	Ha.	30	1,54,800	1,03,200	40	2,06,400	1,37,600	30	1,54,800	1,03,200				100	5,16,000	3,44,000	8,60,000	4,410
3	Protection Wall/Retaining Wall @ Rs. 1,20,000 /-	Nos.				12	8,64,000	5,76,000							12	8,64,000	576000	14,40,000	7,385
4	Water Harvesting @ Rs. 3,00,000 /-					8	14,40,000	9,60,000							8	1440000	960000	24,00,000	12,308
5	CC Check Dam @ Rs. 2,00,000 /-					8	960000	6,40,000							8	960000	640000	16,00,000	8,205
	<b>Total</b>			1,54,800	1,03,200	38	39,20,400	26,13,600		1,54,800	1,03,200				38	42,30,000	28,20,000	70,50,000	36,154
			30	Ha		40	Ha		30	Ha.					100	Ha.			

Amount Allocated for Coverage for the period 2012-13 to 2015-16

1. Wage Component Rs 42,30,000.00
2. Material Component Rs. 28,20,000.00

**Grand Total Rs. 70,50,000.00**

*Grand Total (Rupees Seventy Lakhs fifty Thousand) only*

(L.N.Marak)  
Divisional Officer, & Project Manager  
Baghmara Soil & Water Cons. (CC) Division  
South Garo Hills.

Deputy Commissioner & Chairman (WCDC)  
South Garo Hills,  
Baghmara.

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2011-12  
UNDER MIDDLE RONGDI MICRO WATERSHED IWMP-VI**

Name of Watershed	Middle Rongdi Micro Watershed
Name of Village	Inolgre & Nengsra
Name of C&RD Block	Rongara
Name of the District	South Garo Hills
Total No. of Job Card Holder :	72 Household

Total Wage Component @ Rs 117/- per annum in the 1st year	Rs. 77,400
Total Wage Component @ Rs 117/- per annum in the 2nd year	Rs. 19,60,200
Total Wage Component @ Rs 117/- per annum in the 3rd year	Rs. 77,400
Total Wage Component @ Rs 117/- per annum in the 4th year	Rs. 0
<b>Total Wage Component</b>	<b>Rs. 21,15,000</b>

Sl No.	Activities	Units	PROJECT PERIOD												Total			Mandays to be Generated	
			2012-13			2013-14			2014-15			2015-16			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. 75000 /-	Nos.				5	2,25,000	1,50,000							5	2,25,000	1,50,000	3,75,000	1,924
2	Rubber Plantation @ Rs. 8,600 / Ha.	Ha.	15	77,400	51,600	20	1,03,200	68,800	15	77,400	51,600				50	2,58,000	1,72,000	4,30,000	2,205
3	Protection Wall/Retaining Wall @ Rs. 1,20,000 /-	Nos.				6	4,32,000	2,88,000							6	4,32,000	288000	7,20,000	3,692
4	Water Harvesting @ Rs. 3,00,000 /-					4	7,20,000	4,80,000							4	720000	480000	12,00,000	6,154
5	CC Check Dam @ Rs. 2,00,000 /-					4	480000	3,20,000							4	480000	320000	8,00,000	4,102
	<b>Total</b>			77,400	51,600	19	19,60,200	13,06,800		77,400	51,600				19	21,15,000	14,10,000	35,25,000	18,077
			15	Ha		20	Ha		15	Ha.					50	Ha.			

Amount Allocated for Coverage for the period 2012-13 to 2015-16

1. Wage Component Rs 21,15,000.00

2. Material Component Rs. 14,10,000.00

**Grand Total Rs. 35,25,000.00**

*Grand Total (Rupees Thirty Five Lakhs Twenty Five Thousand) only*

President  
Inolgre & Nengsra VEC  
Rongara C&RD Block  
South Garo Hills.

Deputy Commissioner  
South Garo Hills,  
Baghmara.

Secretary  
Inolgre & Nengsra VEC  
Rongara C&RD Block  
South Garo Hills.

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2011-12  
UNDER MIDDLE RONGDI MICRO WATERSHED IWMP-VI**

Name of Watershed	Middle Rongdi Micro Watershed
Name of Village	Inolgre
Name of C&RD Block	Rongara
Name of the District	South Garo Hills
Total No. of Job Card Holder :	31 Household

Total Wage Component @ Rs 117/- per annum in the 1st year	Rs. 51,600
Total Wage Component @ Rs 117/- per annum in the 2nd year	Rs. 9,57,600
Total Wage Component @ Rs 117/- per annum in the 3rd year	Rs. 25,800
Total Wage Component @ Rs 117/- per annum in the 4th year	Rs. 0
<b>Total Wage Component</b>	<b>Rs. 10,35,000</b>

Sl No.	Activities	Units	PROJECT PERIOD												Total			Mandays to be Generated	
			2012-13			2013-14			2014-15			2015-16			Total				
			Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial			
				Wages	Material		Wages	Material		Wages	Material		Wages	Material		Total			
1	Small Dug out Pond @ Rs. 75000 /-	Nos.				2	90,000	60,000							2	90,000	60,000	1,50,000	769
2	Rubber Plantation @ Rs. 8,600 / Ha.	Ha.	10	51,600	34,400	10	51,600	34,400	5	25,800	17,200				25	1,29,000	86,000	2,15,000	1,102
3	Protection Wall/Retaining Wall @ Rs. 1,20,000 /-	Nos.				3	2,16,000	1,44,000							3	2,16,000	144000	3,60,000	1,846
4	Water Harvesting @ Rs. 3,00,000 /-					2	3,60,000	2,40,000							2	360000	240000	6,00,000	3,077
5	CC Check Dam @ Rs. 2,00,000 /-					2	240000	1,60,000							2	240000	160000	4,00,000	2,051
	<b>Total</b>			51,600	34,400	9	9,57,600	6,38,400		25,800	17,200				9	10,35,000	6,90,000	17,25,000	8,845
			10	Ha		10	Ha		5	Ha.					25	Ha.			

Amount Allocated for Coverage for the period 2012-13 to 2015-16

1. Wage Component Rs 10,35,000.00

2. Material Component Rs. 6,90,000.00

**Grand Total Rs. 17,25,000.00**

*Grand Total (Rupees Seventeen Lakhs Twenty Five Thousand ) only*

President  
Inolgre VEC  
Rongara C&RD Block  
South Garo Hills.

Deputy Commissioner  
South Garo Hills,  
Baghmara.

Secretary  
Inolgre VEC  
Rongara C&RD Block  
South Garo Hills.

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2011-12  
UNDER MIDDLE RONGDI MICRO WATERSHED IWMP-VI**

Name of Watershed	Middle Rongdi Micro Watershed
Name of Village	Nengsra
Name of C&RD Block	Rongara
Name of the District	South Garo Hills
Total No. of Job Card Holder :	41 Household

Total Wage Component @ Rs 117/- per annum in the 1st year	Rs. 25,800
Total Wage Component @ Rs 117/- per annum in the 2nd year	Rs. 10,02,600
Total Wage Component @ Rs 117/- per annum in the 3rd year	Rs. 51,600
Total Wage Component @ Rs 117/- per annum in the 4th year	Rs. 0
<b>Total Wage Component</b>	<b>Rs. 10,80,000</b>

Sl No.	Activities	Units	PROJECT PERIOD												Total			Mandays to be Generated	
			2012-13			2013-14			2014-15			2015-16			Total				
			Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial			
				Wages	Material		Wages	Material		Wages	Material		Wages	Material		Total			
1	Small Dug out Pond @ Rs. 75000 /-	Nos.				3	1,35,000	90,000							3	1,35,000	90,000	2,25,000	1,154
2	Rubber Plantation @ Rs. 8,600 / Ha.	Ha.	5	25,800	17,200	10	51,600	34,400	10	51,600	34,400				25	1,29,000	86,000	2,15,000	1,102
3	Protection Wall/Retaining Wall @ Rs. 1,20,000 /-	Nos.				3	2,16,000	1,44,000							3	2,16,000	144000	3,60,000	1,846
4	Water Harvesting @ Rs. 3,00,000 /-					2	3,60,000	2,40,000							2	360000	240000	6,00,000	3,077
5	CC Check Dam @ Rs. 2,00,000 /-					2	240000	1,60,000							2	240000	160000	4,00,000	2,051
	<b>Total</b>			25,800	17,200	10	10,02,600	6,68,400		51,600	34,400				10	10,80,000	7,20,000	18,00,000	9,230
			5	Ha		10	Ha		10	Ha.					25	Ha.			

Amount Allocated for Coverage for the period 2012-13 to 2015-16

1. Wage Component Rs 10,80,000.00

2. Material Component Rs. 7,20,000.00

**Grand Total Rs. 18,00,000.00**

*Grand Total (Rupees Eighteen Lakhs) only*

President  
Nengsra VEC  
Rongara C&RD Block  
South Garo Hills.

Deputy Commissioner  
South Garo Hills,  
Baghmara.

Secretary  
Nengsra VEC  
Rongara C&RD Block  
South Garo Hills.



CONVERGENCE  
OF  
LOWER RONGDI MICRO-WATERSHED  
UNDER  
IWMP PROJECT - VI

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2011-12  
UNDER LOWER RONGDI MICRO WATERSHED IWMP-VI**

Name of Watershed	Lower Rongdi Micro Watershed
Name of Village	Potchismile, Amongrongjol & Dagal Gittim
Name of C&RD Block	Rongara
Name of the District	South Garo Hills
Total No. of Job Card Holder :	99 Household

Total Wage Component @ Rs 117/- per annum in the 1st year	Rs. 77,400
Total Wage Component @ Rs 117/- per annum in the 2nd year	Rs. 19,60,200
Total Wage Component @ Rs 117/- per annum in the 3rd year	Rs. 77,400
Total Wage Component @ Rs 117/- per annum in the 4th year	Rs. 0
<b>Total Wage Component</b>	<b>Rs. 21,15,000</b>

SI No.	Activities	Units	PROJECT PERIOD												Total			Mandays to be Generated		
			2012-13			2013-14			2014-15			2015-16			Financial					
			Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial			Total	
				Wages	Material		Wages	Material		Wages	Material		Wages	Material		Wages	Material			
1	Small Dug out Pond @ Rs. 75000 /-	Nos.				5	2,25,000	1,50,000								5	2,25,000	1,50,000	3,75,000	1,924
2	Rubber Plantation @ Rs. 8,600 / Ha.	Ha.	15	77,400	51,600	20	1,03,200	68,800	15	77,400	51,600					50	2,58,000	1,72,000	4,30,000	2,205
3	Protection Wall/Retaining Wall @ Rs. 1,20,000 /-	Nos.				6	4,32,000	2,88,000								6	4,32,000	288000	7,20,000	3,692
4	Water Harvesting @ Rs. 3,00,000 /-					4	7,20,000	4,80,000								4	720000	480000	12,00,000	6,154
5	CC Check Dam @ Rs. 2,00,000 /-					4	480000	3,20,000								4	480000	320000	8,00,000	4,102
	<b>Total</b>			77,400	51,600	19	19,60,200	13,06,800		77,400	51,600					19	21,15,000	14,10,000	35,25,000	18,077
			15	Ha		20	Ha		15	Ha.						50	Ha.			

Amount Allocated for Coverage for the period 2012-13 to 2015-16

1. Wage Component Rs. 21,15,000.00

2. Material Component Rs. 14,10,000.00

**Grand Total Rs. 35,25,000.00**

*Grand Total (Rupees Thirty Five Lakhs Twenty Five Thousand) only*

President  
Potchismile, Amongrongjol & Dagal Gittim VEC  
Rongara C&RD Block  
South Garo Hills.

Deputy Commissioner  
South Garo Hills,  
Baghmara.

Secretary  
Potchismile, Amongrongjol & Dagal Gittim VEC  
Rongara C&RD Block  
South Garo Hills.

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2011-12  
UNDER LOWER RONGDI MICRO WATERSHED IWMP-VI**

Name of Watershed	Lower Rongdi Micro Watershed
Name of Village	Potchismile
Name of C&RD Block	Rongara
Name of the District	South Garo Hills
Total No. of Job Card Holder :	27 Household

Total Wage Component @ Rs 117/- per annum in the 1st year	Rs. 25,800
Total Wage Component @ Rs 117/- per annum in the 2nd year	Rs. 5,59,800
Total Wage Component @ Rs 117/- per annum in the 3rd year	Rs. 25,800
Total Wage Component @ Rs 117/- per annum in the 4th year	Rs. 0
<b>Total Wage Component</b>	<b>Rs. 6,11,400</b>

Sl No.	Activities	Units	PROJECT PERIOD												Total			Mandays to be Generated	
			2012-13			2013-14			2014-15			2015-16			Total				
			Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial			
				Wages	Material		Wages	Material		Wages	Material		Wages	Material		Total			
1	Small Dug out Pond @ Rs. 75000 /-	Nos.				2	90,000	60,000							2	90,000	60,000	1,50,000	769
2	Rubber Plantation @ Rs. 8,600 / Ha.	Ha.	5	25,800	17,200	5	25,800	17,200	5	25,800	17,200				15	77,400	51,600	1,29,000	661
3	Protection Wall/Retaining Wall @ Rs. 1,20,000 /-	Nos.				2	1,44,000	96,000							2	1,44,000	96,000	2,40,000	1,231
4	Water Harvesting @ Rs. 3,00,000 /-					1	1,80,000	1,20,000							1	180000	120000	3,00,000	1,538
5	CC Check Dam @ Rs. 2,00,000 /-					1	120000	80,000							1	120000	80000	2,00,000	1,026
	<b>Total</b>			25,800	17,200	6	5,59,800	3,73,200		25,800	17,200				6	6,11,400	4,07,600	10,19,000	5,225
			5	Ha		5	Ha		5	Ha.					15	Ha.			

Amount Allocated for Coverage for the period 2012-13 to 2015-16

1. Wage Component Rs 6,11,400.00

2. Material Component Rs. 4,07,600.00

**Grand Total Rs. 10,19,000.00**

*Grand Total (Rupees Ten Lakhs Nineteen Thousand) only*

President  
Potchismile VEC  
Rongara C&RD Block  
South Garo Hills.

Deputy Commissioner  
South Garo Hills,  
Baghmara.

Secretary  
Potchismile VEC  
Rongara C&RD Block  
South Garo Hills.

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2011-12  
UNDER LOWER RONGDI MICRO WATERSHED IWMP-VI**

Name of Watershed	Lower Rongdi Micro Watershed
Name of Village	Amongrongjol
Name of C&RD Block	Rongara
Name of the District	South Garo Hills
Total No. of Job Card Holder :	58 Household

Total Wage Component @ Rs 117/- per annum in the 1st year	Rs. 25,800
Total Wage Component @ Rs 117/- per annum in the 2nd year	Rs. 8,85,600
Total Wage Component @ Rs 117/- per annum in the 3rd year	Rs. 25,800
Total Wage Component @ Rs 117/- per annum in the 4th year	Rs. 0
<b>Total Wage Component</b>	<b>Rs. 9,37,200</b>

Sl No.	Activities	Units	PROJECT PERIOD												Total			Mandays to be Generated	
			2012-13			2013-14			2014-15			2015-16			Total				
			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. 75000 /-	Nos.				2	90,000	60,000							2	90,000	60,000	1,50,000	769
2	Rubber Plantation @ Rs. 8,600 / Ha.	Ha.	5	25,800	17,200	10	51,600	34,400	5	25,800	17,200				20	1,03,200	68,800	1,72,000	882
3	Protection Wall/Retaining Wall @ Rs. 1,20,000 /-	Nos.				2	1,44,000	96,000							2	1,44,000	96,000	2,40,000	1,231
4	Water Harvesting @ Rs. 3,00,000 /-					2	3,60,000	2,40,000							2	360000	240000	6,00,000	3,077
5	CC Check Dam @ Rs. 2,00,000 /-					2	240000	1,60,000							2	240000	160000	4,00,000	2,051
	<b>Total</b>			25,800	17,200	8	8,85,600	5,90,400		25,800	17,200				8	9,37,200	6,24,800	15,62,000	8,010
			5	Ha		10	Ha		5	Ha.					20	Ha.			

Amount Allocated for Covergence for the period 2012-13 to 2015-16

1. Wage Component Rs 9,37,200.00

2. Material Component Rs. 6,24,800.00

**Grand Total Rs. 15,62,000.00**

*Grand Total (Rupees Fifteen Lakhs Sixty Two Thousand ) only*

President  
Amongrongjol VEC  
Rongara C&RD Block  
South Garo Hills.

Deputy Commissioner  
South Garo Hills,  
Baghmara.

Secretary  
Amongrongjol VEC  
Rongara C&RD Block  
South Garo Hills.

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2011-12  
UNDER LOWER RONGDI MICRO WATERSHED IWMP-VI**

Name of Watershed	Lower Rongdi Micro Watershed
Name of Village	Dagal Gittim
Name of C&RD Block	Rongara
Name of the District	South Garo Hills
Total No. of Job Card Holder :	14 Household

Total Wage Component @ Rs 117/- per annum in the 1st year	Rs. 25,800
Total Wage Component @ Rs 117/- per annum in the 2nd year	Rs. 5,14,800
Total Wage Component @ Rs 117/- per annum in the 3rd year	Rs. 25,800
Total Wage Component @ Rs 117/- per annum in the 4th year	Rs. 0
<b>Total Wage Component</b>	<b>Rs. 5,66,400</b>

SI No.	Activities	Units	PROJECT PERIOD												Total			Mandays to be Generated	
			2012-13			2013-14			2014-15			2015-16			Total				
			Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial			
				Wages	Material		Wages	Material		Wages	Material		Wages	Material		Total			
1	Small Dug out Pond @ Rs. 75000 /-	Nos.				1	45,000	30,000							1	45,000	30,000	75,000	385
2	Rubber Plantation @ Rs. 8,600 / Ha.	Ha.	5	25,800	17,200	5	25,800	17,200	5	25,800	17,200				15	77,400	51,600	1,29,000	661
3	Protection Wall/Retaining Wall @ Rs. 1,20,000 /-	Nos.				2	1,44,000	96,000							2	1,44,000	96,000	2,40,000	1,231
4	Water Harvesting @ Rs. 3,00,000 /-					1	1,80,000	1,20,000							1	180000	1,20,000	3,00,000	1,538
5	CC Check Dam @ Rs. 2,00,000 /-					1	120000	80,000							1	120000	80,000	2,00,000	1,026
	<b>Total</b>			25,800	17,200	5	5,14,800	3,43,200		25,800	17,200				5	5,66,400	3,77,600	9,44,000	4,841
			5	Ha		5	Ha		5	Ha.					15	Ha.			

Amount Allocated for Coverage for the period 2012-13 to 2015-16

1. Wage Component Rs. 5,66,400.00

2. Material Component Rs. 3,77,600.00

**Grand Total Rs. 9,44,000.00**

*Grand Total (Rupees Nine Lakhs Forty Four Thousand) only*

President  
Dagal Gittim VEC  
Rongara C&RD Block  
South Garo Hills.

Deputy Commissioner  
South Garo Hills,  
Baghmara.

Secretary  
Dagal Gittim VEC  
Rongara C&RD Block  
South Garo Hills.

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

1	2	3		4	5	6	7				8				
Names of Projects	Year of sanction	Project duration (dd/mm/yyyy)		Area of the projects To be Treated (Treatable Area)	Project cost (Rs. In lakh)	Names of Micro watersheds & Code nos. (as per DoLR's unique codification)	Area (ha) of the projects (As per LULC)				Area details (ha) (falling within the projects) (As per ownership)				
		From	To												
							Cultivated rainfed area	Cultivated irrigated area	Uncultivated wasteland		Pvt. Agri. Land	Forest land	Community land	Others (pl. specify)	Total area (ha)
									a) Temporary fallow	b) Permanent					
South Garo Hills – IWMP VI	2011-12	2011-12	2015-16	2000 Ha	300 Lakhs	IWMP-VI Lower & Middle Rongdi	367 Ha	Nil	1633	-	40.9	712	13	1234.1	2000

**Fund provision for the IWMP projects from all sources:**

1	2		3										4
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 – IWMP VI	270 lakhs	30 lakhs	NREGS	42.30	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	342.3 lakhs

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

1	2				3				
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.
South Garo Hills – IWMP VI	State Bank of India, Baghmara Branch	-	Saving	Shri L.N Marak, DS&WCO	Reso Micro Watershed Committee	SBI, Baghmara	-	Saving	Chairman W.C, Secretary W.C, Project Leader / WDT
					Rompa Micro Watershed Committee				



**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 to be 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 <sup>@</sup>	Level at which decision for convergence was taken <sup>\$</sup>
					(a) Structures (b) livelihoods (c) Any other (pl. specify) <sup>#</sup>		
1	South Garo Hills	South Garo Hills – IWMP-VI	* Community Rural Development Department NREGS	42.30	(a)Dug-out Pond 10 Nos. (b)Rubber Plantation 100 Ha (c)Protection Wall/Retaining Wall 12 Nos (d) C.C Check Dam 8 Nos. (e) Water Harvesting 8 Nos.	-	Block Level & District Level
2							

**Note: Pochismile, Among Rongjol, Dagal Gittim, Inolgre & Nengsra Villages**

( a)Dug-out pond 10 Nos.	Wages- 4.50 Lakhs;	Material- 3.0 Lakhs;
(b)Rubber Plantation 100 Ha.	Wages- 5.16 Lakhs;	Material- 3.44 Lakhs;
(c)Protection Wall/Retaining Wall 12 Nos.	Wages- 8.64 Lakhs;	Material- 5.76 Lakhs;
(d)CC. Check Dam 8 Nos.	Wages- 9.60 Lakhs;	Material- 6.40 Lakhs;
(e)Water Harvesting 8 Nos.	Wages- 1.44 Lakhs;	Material- 9.60 Lakhs;

**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
S. No	State	Name of the Training Institute	Full Address with contact no., website & e-mail	Name & Designation of the Head of Institute	Type of Institute <sup>#</sup>	Area(s) of specialization <sup>\$</sup>
1	Meghalaya	NIRD (NER)	Guwahati	Director	Central Govt.	Remote Sensing, Rural Devt.
2		SIRD	Nongsder	Director	State Govt.	Capacity Building
3		RRTC	Umran	Director	Don-Bosco	Agri-Horti, Animal Husbandry, Entrepreneurship
4		ICAR	Umiam	Director	Central Govt.	Do
5		NEHU	Tura, Campus	Director	State Govt.	Academic & Research
6		CTI	Byrnihat	Jt. Director	State Govt.	Watershed Management

- 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)

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

<sup>@</sup> 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 5 (Five) years.**

1	2	3	4					5
Project	Type of Training/ Capacity Building	Agency/Institution to provide training	No. of Trainings targeted during each financial year					Total
			1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	
PIAs	GIS, Watershed management etc.	NIRD, Guwahati, Hyderabad	3	3	3	1	-	<b>10</b>
WDTs	GIS, Watershed management etc.	NIRD, Guwahati	2	2	1	-	-	<b>5</b>
UGs	Watershed Management, Forming of UGs etc.	MRDS, Baghmara SIRD, Nongsder, Baghmara Soil	4	4	4	4	4	<b>20</b>
SHGs	Watershed Management, Livestock Management Forming of SHGs etc.	MRDS, Baghmara SIRD, Nongsder, Bethany Society Tebronggre, Baghmara Soil	6	6	6	6	6	<b>30</b>
WCs	Watershed Management, Livestock Management, Forming of UGs etc.	MRDS, Baghmara SIRD, Nongsder, Bethany Society Tebronggre, Baghmara Soil	4	4	4	4	4	<b>20</b>
GPs	Watershed Management, Forming of UGs etc.	MRDS, Baghmara SIRD, Nongsder, Baghmara Soil	3	3	3	3	3	<b>15</b>
Community	Watershed Management, Forming of UGs etc.	MRDS, Baghmara SIRD, Nongsder, Baghmara Soil	30	30	30	30	30	<b>150</b>
Others Pl. specify)								

**Table 6.3: Information, Education & Communication (IEC) activities for the year 2011-12 as on 31/11/2011 (dd/mm/yyyy)\***

Sl. No.	<b>1</b>	<b>2</b>	<b>3</b>
	<b>Activity</b>	<b>Executing agency</b>	<b>Estimated expenditure (Rs. in Lakhs)</b>
1.	Distribution of Pamphlets, Translation & Distribution of IWMP Guidelines, Videos Shows of Success Stories/Good Practices etc.	PIA, Bagahmara Soil & water Conservation	3.0

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

## CHAPTER VII EXPECTED OUTCOME

**Table 7.1 Employment related outcomes :**

Sl No	Name of Villages	1										2				
		Wage employment										Self employment				
		No. of mandays					No. of beneficiaries					No. of beneficiaries				
		SC	ST	Men	Women	Total	SC	ST	Men	Women	Total	SC	ST	Men	Women	Total
1.	Potchismile		100 %	7932	5289	13221		100 %	67	46	113		100 %	21	19	40
2.	Among Rongjol		100%	19375	12917	32292		100%	165	111	276		100%	56	39	95
3.	Dagal gittim		100 %	4422	2949	7371		100 %	38	25	63		100 %	10	10	20
4.	Inolgre		100%	10810	7208	18018		100%	107	47	154		100%	29	20	49
5.	Nengsra		100%	11723	7816	19539		100%	116	51	167		100%	30	20	50

**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 7.3.1 Status of Drinking water:**

1			2			3
Availability of drinking water			Quality of drinking water			Comments
Pre-project	Post-project	Change in availability	Pre-project	Post-project	Change in quality	
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 7.3.2 Water Use efficiency:**

1	2	3			
Name of the project	Name of major crop	Water savings in cu.m.			
		through water saving devices <sup>§</sup>	through water conserving agronomic practices <sup>#</sup>	Any other (pl specify)	Total
SGH-IWMP-VI				-	-

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

<sup>§</sup> Sprinkler, Drip, PVC pipe, etc.

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

**Table 7.4: Vegetation/ crop related outcomes:**

**Table 7.4.1 Details of Kharif crop area and yield in the project areas:**

1	2	3						4						5					
		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.	Irri	Rf.
SGH-IWMP-VI	Rice	-	40.9	-	15	-	613.5	-	40.9	-	17	-	695.5	-	40.9	-	20	-	818
	Maize	-	19.9	-	6	-	119.4	-	17	-	7	-	119	-	15	-	10	-	150
	Ginger	-	19.9	-	25	-	497.5	-	17.5	-	27	-	472.5	-	15	-	32	-	480
	Turmeric	-	19.9	-	30	-	597	-	17.4	-	32	-	556.8	-	15	-	38	-	570
	Chilli	-	19.9	-	5	-	99.5	-	17.3	-	6	-	103.8	-	15.5	-	10	-	155
	Tapioca	-	19.9	-	26	-	517.4	-	17	-	27	-	459	-	15	-	32	-	480
	Brinjal	-	19.9	-	14	-	278.6	-	17.6	-	15	-	264	-	15	-	18	-	270
	Cowpea	-	19.9	-	15	-	298.5	-	17.5	-	17	-	297.5	-	15	-	18	-	270
	Pumpkin	-	19.9	-	40	-	796	-	17.1	-	42	-	718.2	-	15	-	45	-	675
	Ash gourd	-	19.9	-	20	-	398	-	17	-	22	-	374	-	15	-	25	-	375
	Beans	-	19.9	-	15	-	298.5	-	17.4	-	17	-	295.8	-	15	-	22	-	330
Colocasia	-	19.9	-	30	-	297	-	17.3	-	32	-	553.6	-	15.5	-	36	-	558	

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

1	2	3						4						5				
		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.	
Name of Projects	Cabbage	-	-	-	-	-	-	4	-	10	-	40	-	7	-	15	-	105
	Knol khol	-	-	-	-	-	-	6	-	90	-	540	-	8	-	95	-	760
	Mustard	-	-	-	-	-	-	5	-	8	-	40	-	8	-	10	-	80
	Raddish	-	-	-	-	-	-	7	-	80	-	560	-	9	-	86	-	774
	Cauliflower	-	-	-	-	-	-	6	-	10	-	60	-	8	-	57	-	456
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 7.4.3 Details of Zaid crop area and yield in the project areas of the Country: State-wise:**

1	2	3						4						5					
		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.		
SGH-IWMP-VI	Maize	-	19.9	-	6	-	119.4	3	12	8	7	24	84	5	6	9	8	45	48
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 7.4.4 Availability of Fodder:**

1	2	3			4		
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
SGH-IWMP VI	5 yrs	NA	NA	NA	Nil	Nil	Nil

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

**Table 7.4.5 Increase/ Decrease in Forest/vegetation cover:**

1	2	3			4		
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
SGH-IWMP-VI	5 yrs	LULC Map, NESAC, Umiam	2005 - 06	712 Ha	70 Ha	70 Ha	70 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 7.4.6 Increase/ Decrease in area under horticulture:**

1	2	3			4		
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
SGH-IWMP-VI	5 yrs			87	320 Ha	320 Ha	320 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 7.4.7 Increase/ Decrease in area under fuel-wood:**

1	2	3			4		
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
SGH-IWMP VI	-	-	-	-	-	-	-

\* 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 7.5 Livelihood related outcomes:**

**Table 7.5.1 Details of livestock in the project areas** (for fluids please mention in litres, for solids please mention in kgs. and income in Rs.):

1 Name of Projects	2 Type of Animal	3			4			5			6 Remarks
		Pre-project			Mid-term			Post-project			
		No.	Yield	Income	No.	Yield	Income	No.	Yield	Income	
SGH- IWMP VI	Cattle	202	1090800 Kg	10.91 lakh	230	1242000 kg	12.42 lakh	240	1296000 kg	12.96	
	Goat	128	204800 kg	2.05 lakh	135	202500 kg	2.03 lakh	143	214500 kg	2.14	
	Poultry	1298	292050 kg	2.92 lakh	1360	306000 kg	3.06 lakh	1523	342675 kg	3.43	
	Piggery	123	461250 kg	4.61 lakh	135	506250 kg	5.06 lakh	148	555000 kg	5.55	
Total for all projects											

\* 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 7.6 Benefit Cost Analysis**

1	2	3	4	5	6	7
District	Name of project	Name of WC	Name of structure/ activity	Estimated cost (Rs. In lakhs)	Expected quantifiable benefits (Rs.)	Benefit: Cost ratio <sup>#</sup>
South Garo Hills District	SGH-IWMP-VI	IWMP-VI Lower & Middle Rongdi WC	As per Treatment Plan	245 lakhs	343 lakhs	1 : 1.4

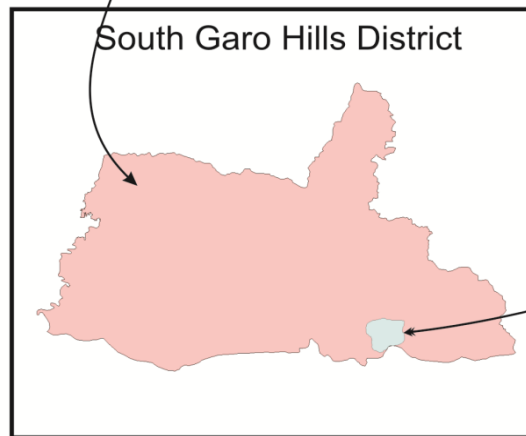
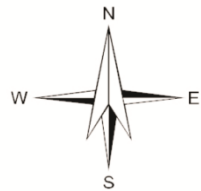
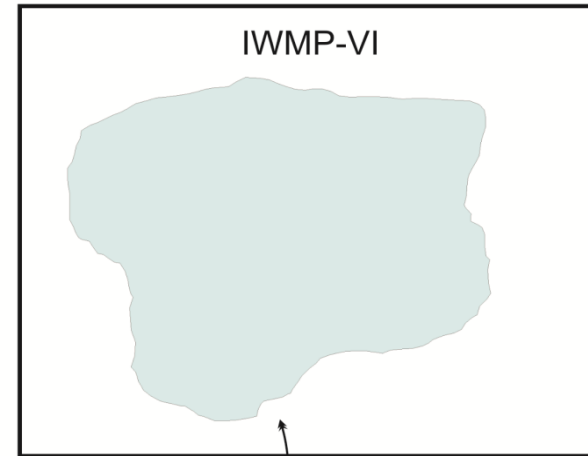
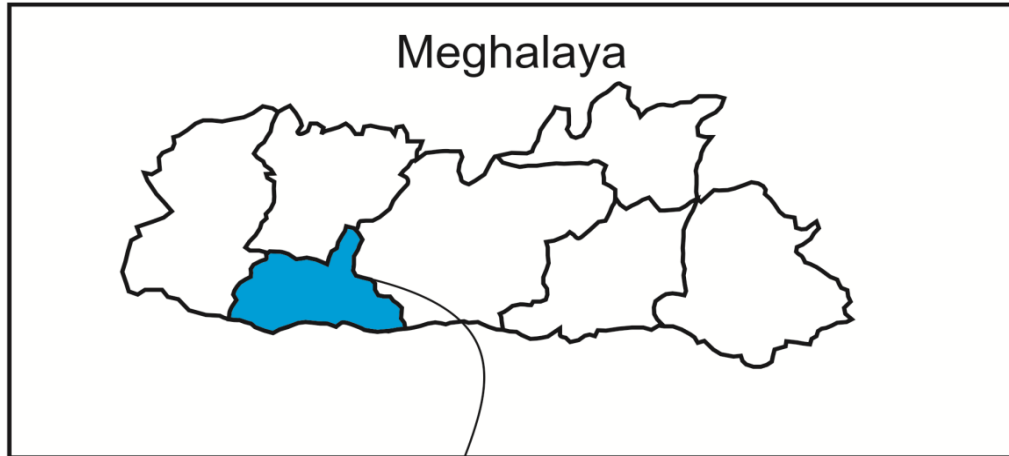
\* from column no. 2, total no. of States implementing the programme, from column no. 3, total no. of Districts; from Column no. 4, no. of projects, from column no. 5, no. of WCs, from column no. 6, no. of structures/ activities, from column no. 7 to 10, category-wise# totals, may be mentioned at the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

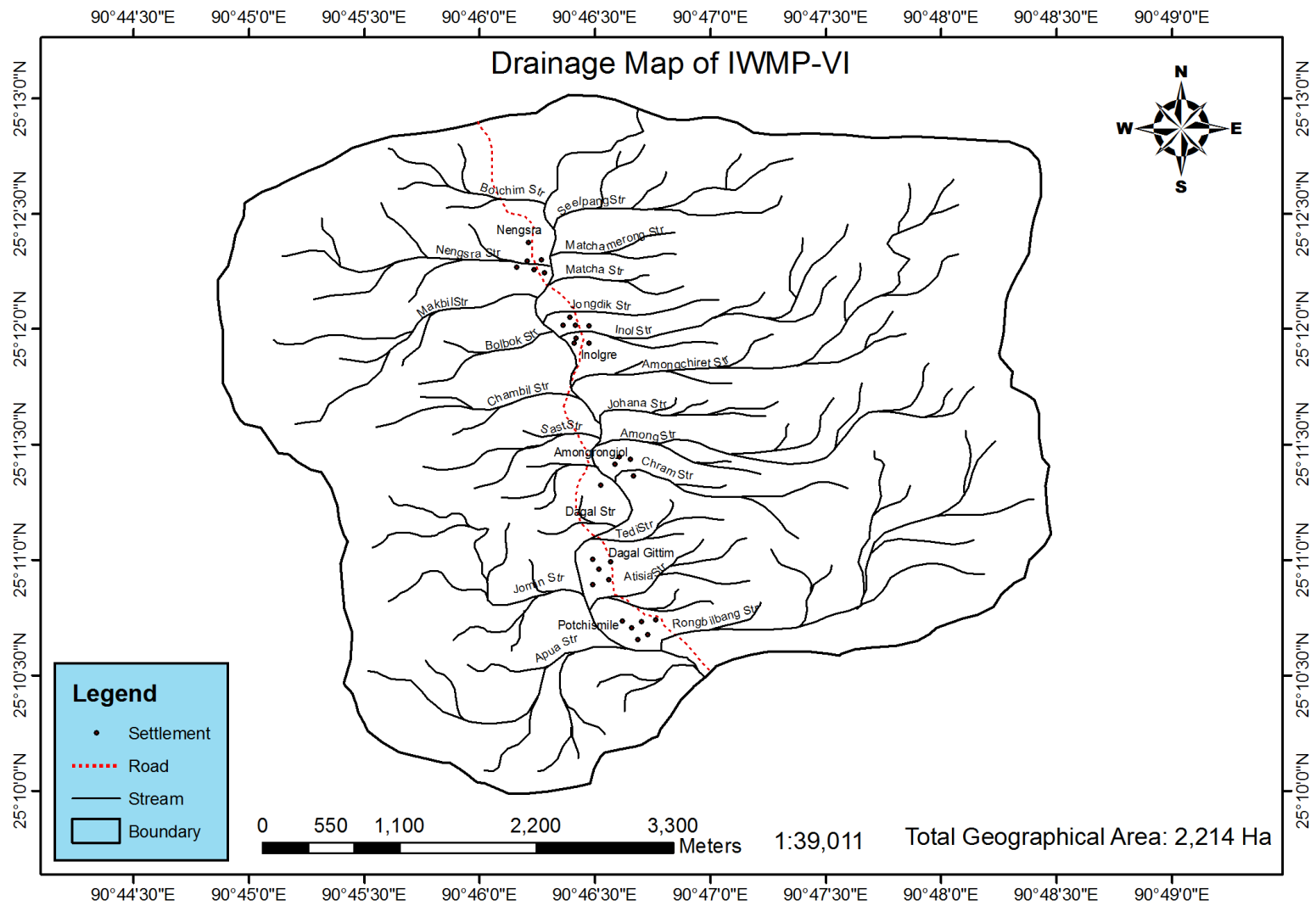
<sup>#</sup> B:C ratio more than 1 – cost effective  
less than 1 – Not cost effective

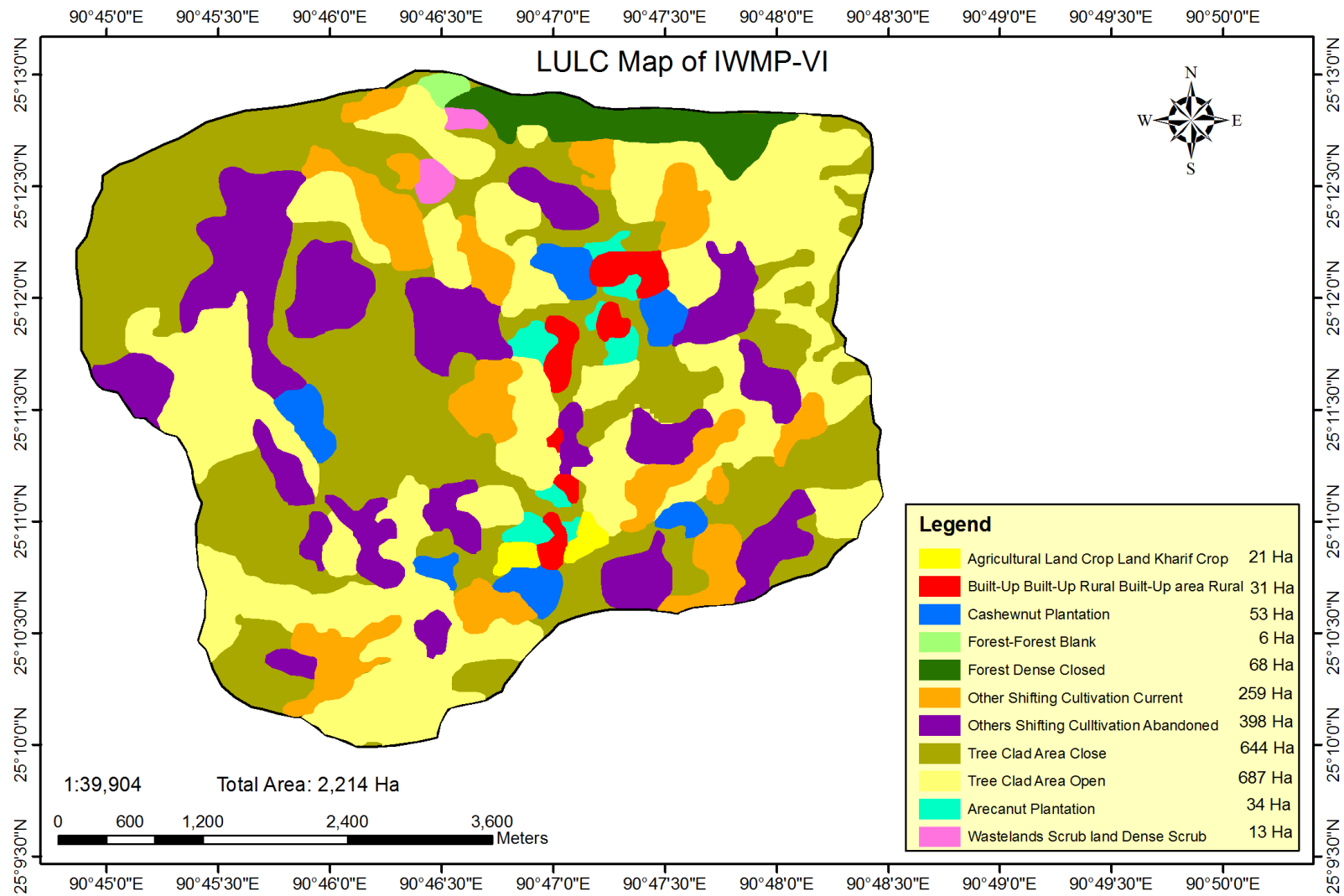


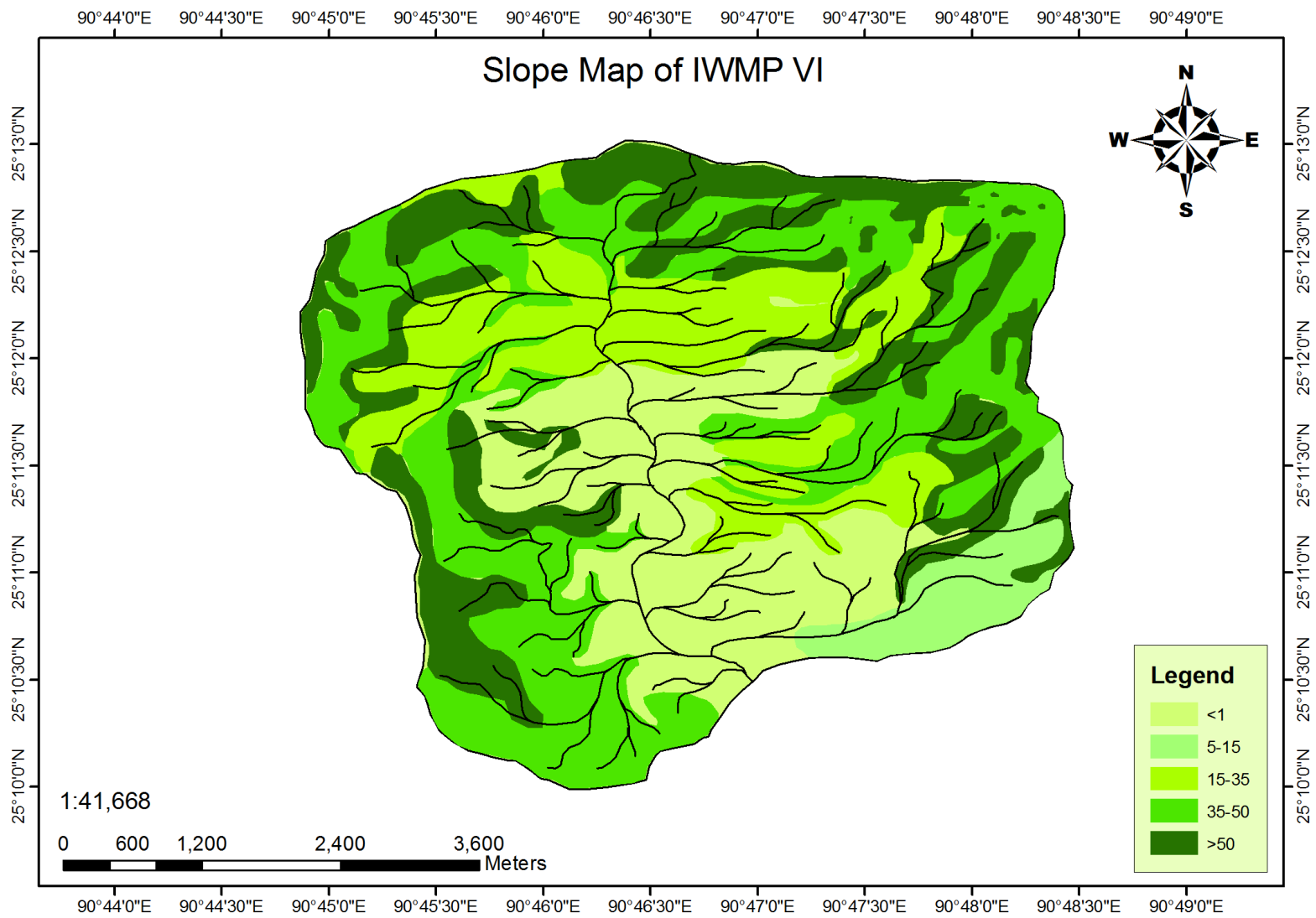
**ANNEXURE I**  
**MAPS**

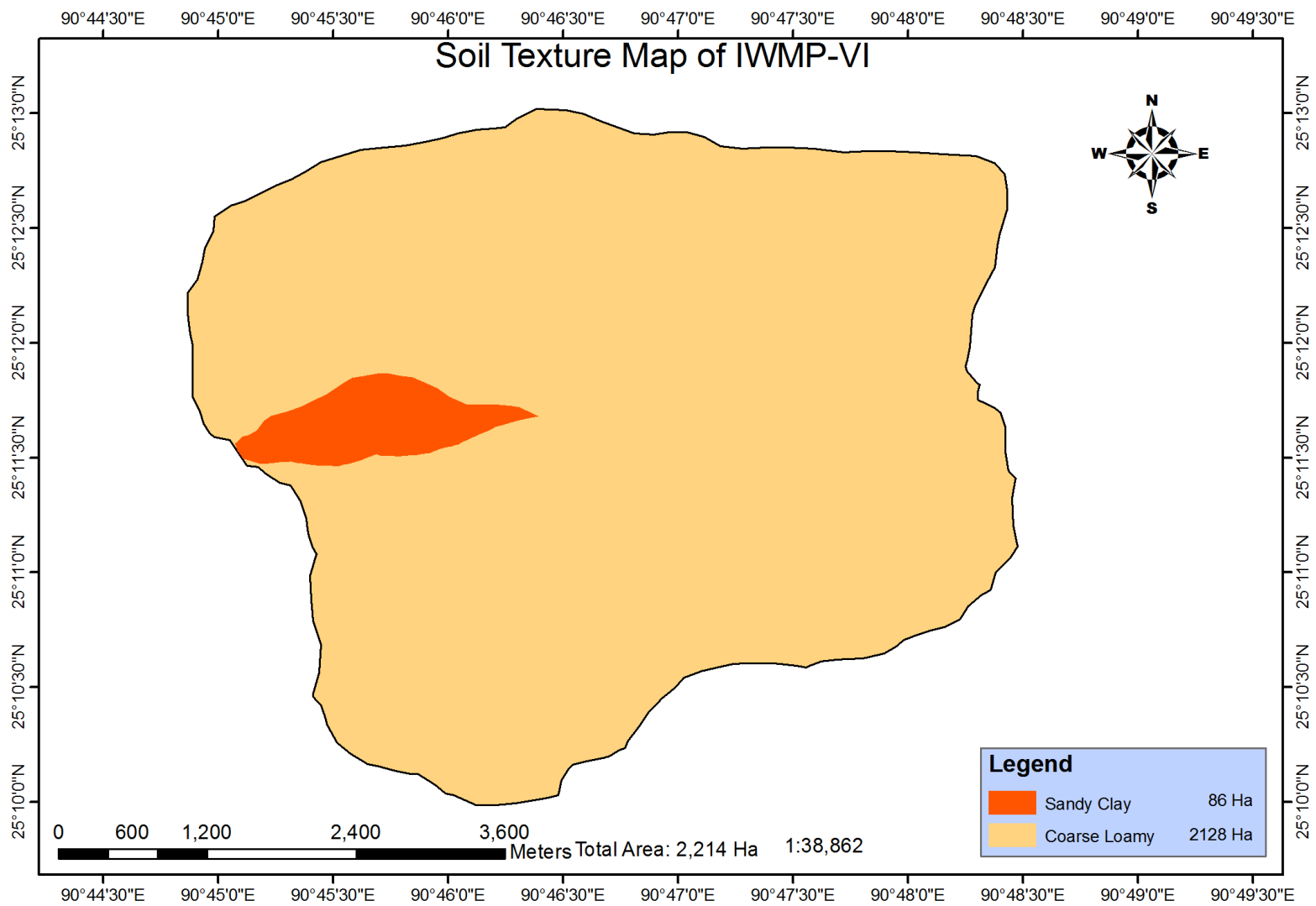
Index Map of IWMP-VI  
South Garo Hills District

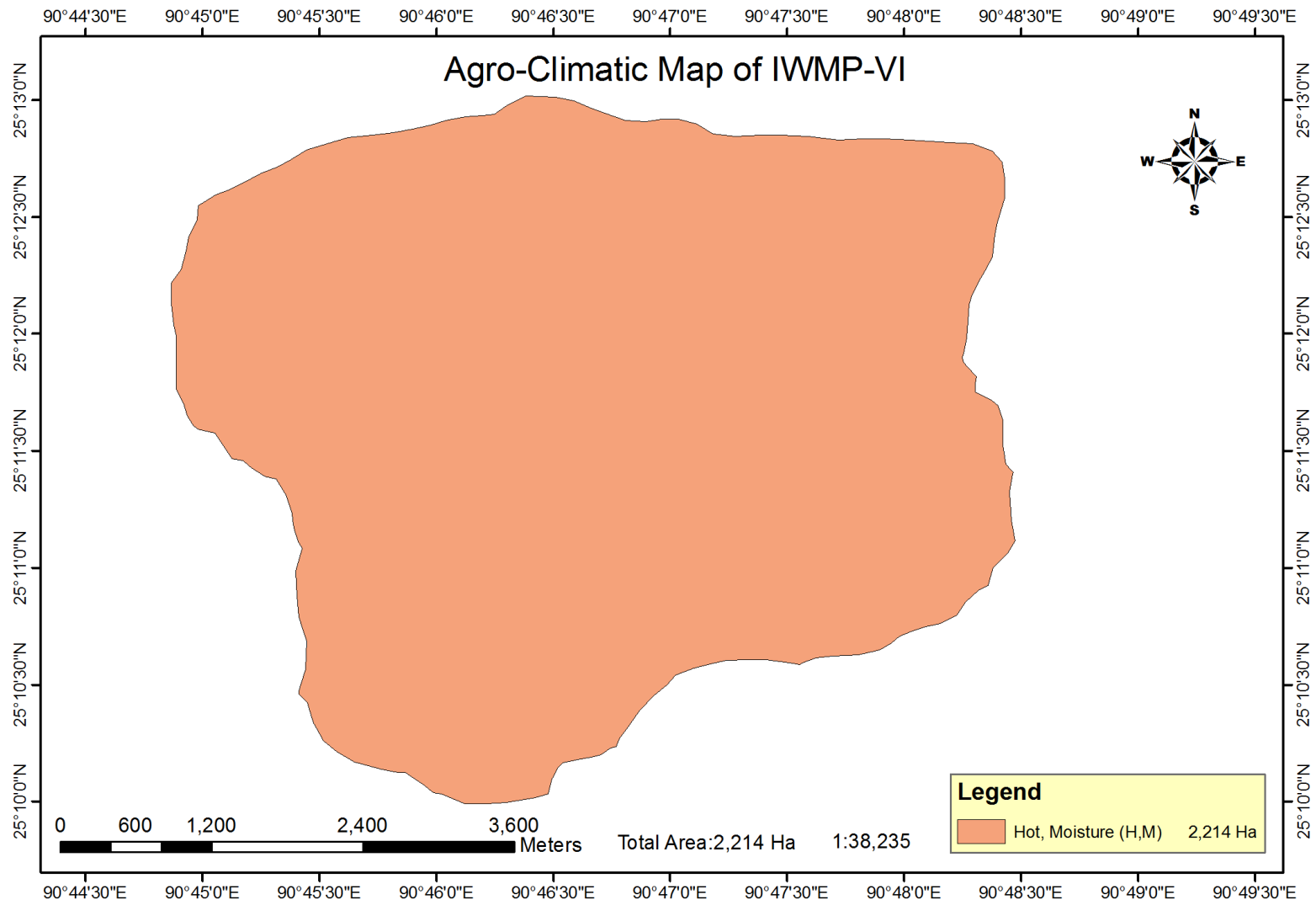


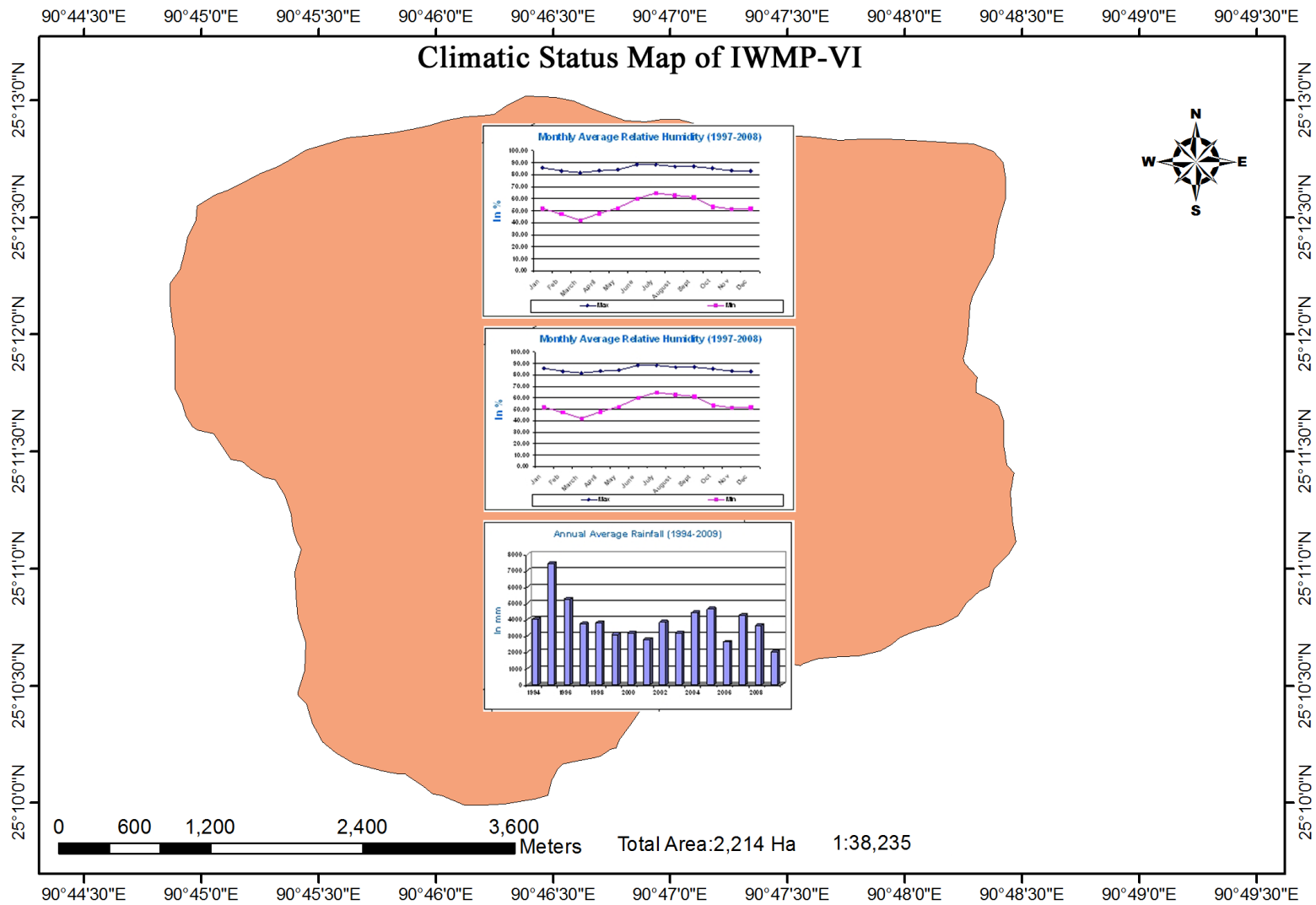




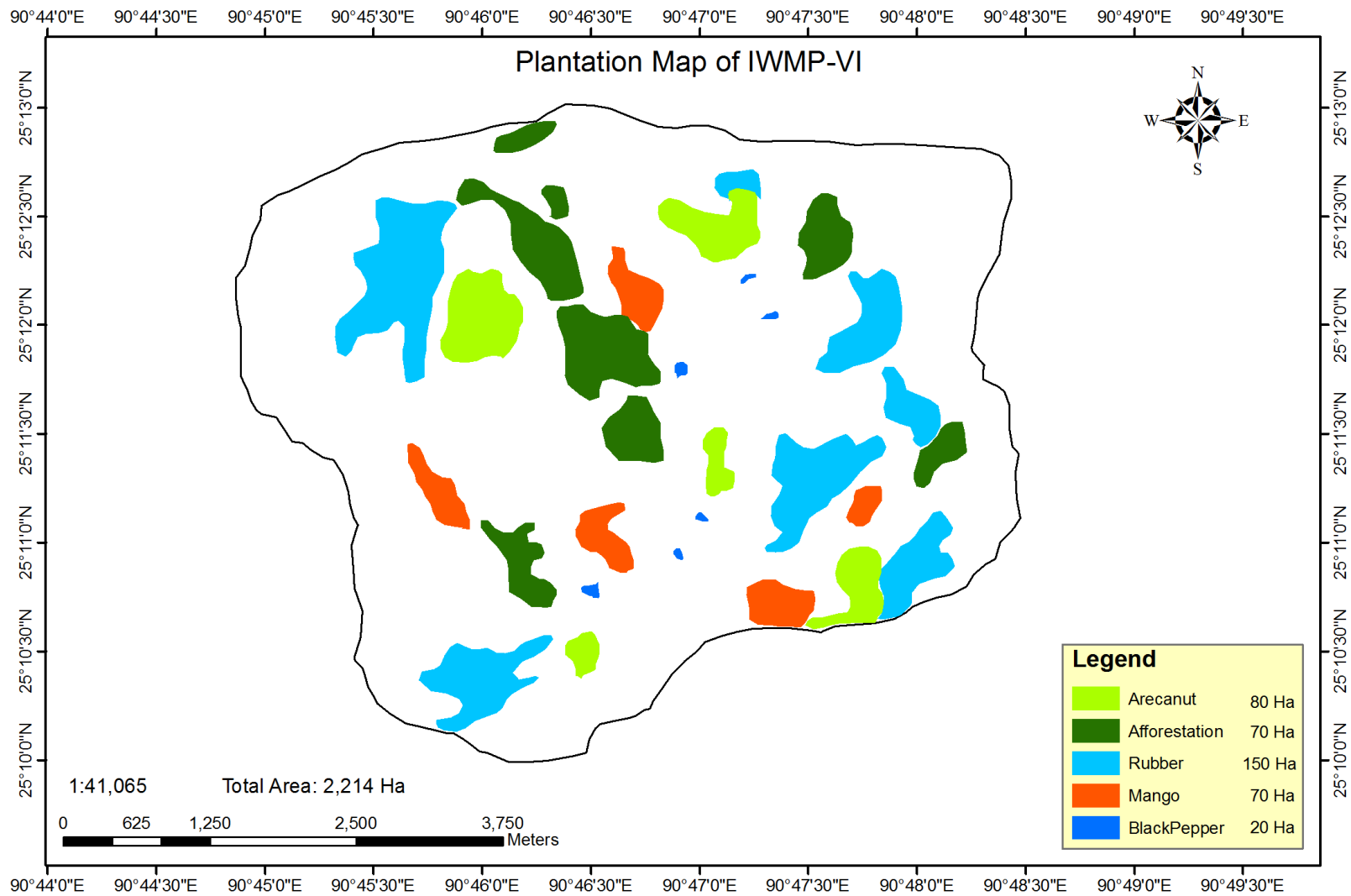


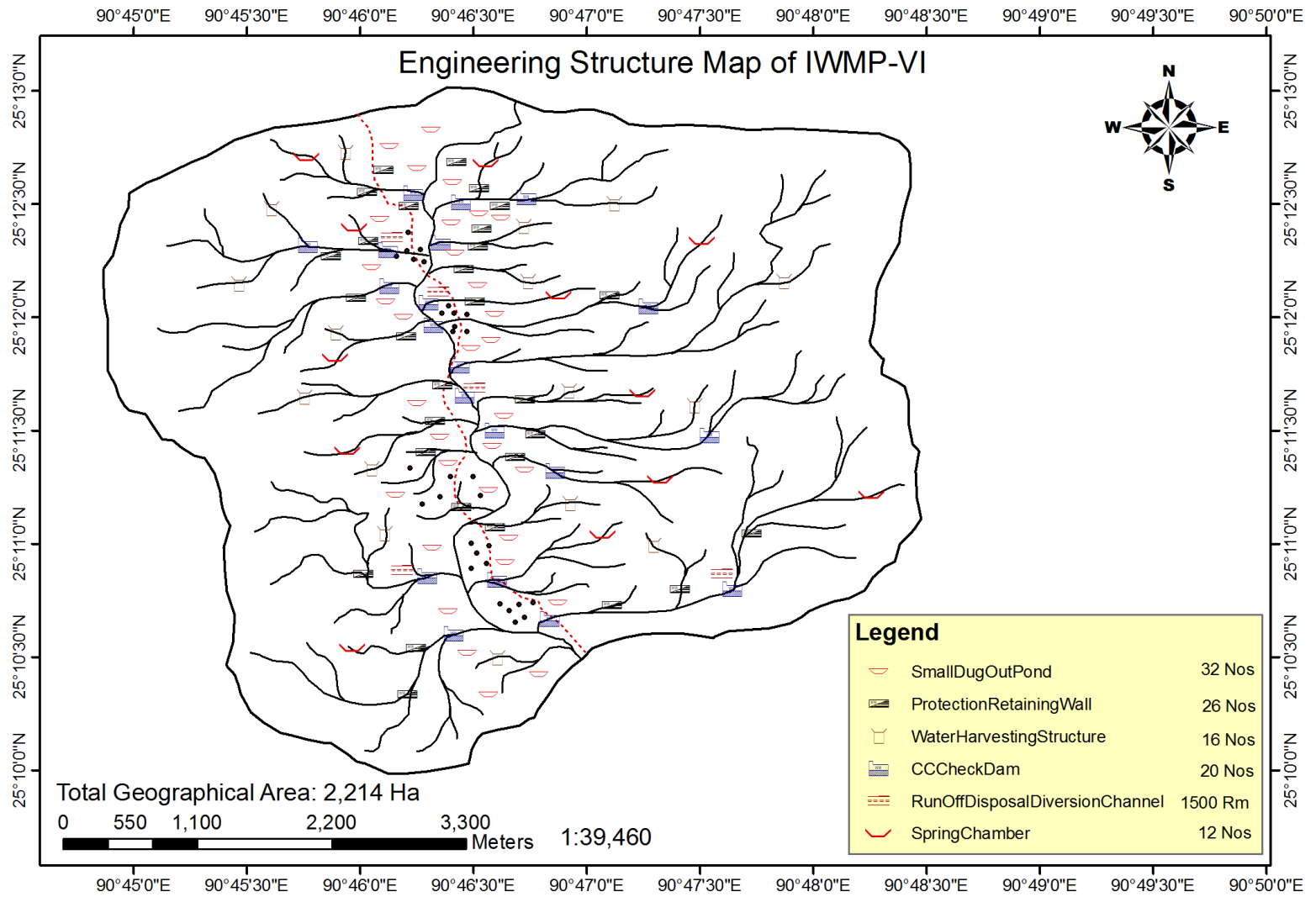












**ANNEXURE II**

**SOCIO-ECONOMIC SURVEY DETAILS**

**SOCIO ECONOMIC SURVEY**

**NAME OF THE VILLAGE: - Potchismile**

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	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>12</b>	<b>13</b>
1	Shri. Jekkline Sangma	6	1	7	Farmer	0.5	3	2	0	11	67,000.00
2	Shri. Ajith Momin	1	2	3	Service	1.5	4	3	0	19	145,000.00
3	Shri. Arbish Marak	3	4	7	Service	0.5	2	1	5	17	124,000.00
4	Shri. Bikash Marak	2	3	5	Farmer	1.2	3	2	0	14	70,000.00
5	Shri. Dillarson Sangma	4	6	10	Farmer	0.5	6	1	4	9	76,000.00
6	Smt. Nosori Sangma	1	2	3	Farmer	1	4	2	0	13	74,000.00
7	Smt. Prinsilla Sangma	5	2	7	Farmer	1.2	6	1	0	9	72,000.00
8	Shri. Newilson Sangfma	6	5	11	Farmer	1.1	4	3	5	13	75,000.00
9	Shri. Jinson Marak	3	2	5	Farmer	0.5	7	2	3	16	82,000.00
10	Shri. Ardesh Marak	1	4	5	Farmer	2	4	6	0	10	81,000.00
11	Smt. Grenalish Marak	1	3	4	Farmer	1.5	8	6	3	9	84,000.00

12	Smt. Bukul Das	1	1	2	Farmer	0.5	9	2	0	10	72,000.00
13	Shri. Barun Marak	3	7	10	Farmer	1.4	4	4	2	15	78,000.00
14	Shri. Seblion Marak	3	5	8	Farmer	2	9	1	0	17	72,000.00
15	Shri. Selbastin Areng	1	1	2	Service	1	4	3	2	8	128,000.00
16	Smt. Lesha Marak	3	3	6	Farmer	1.3	8	3	0	18	76,000.00
17	Shri. Grenson Marak	3	2	5	Service	1.5	4	1	2	13	124,000.00
18	Shri. Samarsing Marak	1	3	4	Service	0.5	5	3	0	6	129,000.00
19	Smt. Dorolush Marak	0	1	1	Farmer	2	15	2	0	11	57,000.00
20	Shri.Sonam Marak	3	3	6	Farmer	0.5	5	0	2	10	81,000.00
21	Shri. Sontush Sangma	5	2	7	Farmer	1.2	6	3	0	18	80,000.00
22	Shri. Simson Sangma	4	3	7	Farmer	2	13	5	2	14	77,000.00
23	Shri. Choronsing Sangma	1	1	2	Farmer	1.2	10	2	0	8	62,000.00
24	Shri. Predison Sangma	4	4	8	Farmer	0.5	0	4	0	7	60,000.00

25	Shri. Omol Sangma	1	1	2	Farmer	1	4	1	2	6	63,000.00
26	Shri. Aprilson Sangma	2	3	5	Farmer	1.2	7	0	0	17	74,000.00
27	Shri. Englishstone Marak	5	4	9	Farmer	0.6	0	4	6	14	82,000.00
	<b>Total:</b>	<b>73</b>	<b>78</b>	<b>151</b>		<b>30.9</b>	<b>154</b>	<b>65</b>	<b>38</b>	<b>332</b>	<b>2805000</b>

**NAME OF THE VILLAGE:- Among  
Rongjol**

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. Soion Sangma	6	4	10	Farmer	1	3	2	1	11	70,000.00
2	Shri. Milsing Sangma	1	3	4	Farmer	1.5	4	3	0	8	75,000.00
3	Shri. Marchen Sangma	3	4	7	Farmer	0.5	2	1	5	16	64,000.00
4	Shri. Josim Marak	2	4	6	Farmer	1.2	3	2	0	14	70,000.00

5	Shri. Brelitson Sangma	4	5	9	Farmer	0.5	3	1	0	7	66,000.00
6	Shri. Imbath D. Shira	3	2	5	Farmer	1	4	2	0	13	64,000.00
7	Shri. Jerom Sangma	8	3	11	Farmer	1.2	6	1	0	9	80,000.00
8	Shri. Esindro Sangma	3	3	6	Farmer	1.1	4	3	0	13	75,000.00
9	Smt. Denoline Marak	0	1	1	Farmer	0.5	7	2	0	16	62,000.00
10	Shri. Werinson Sangma	3	2	5	Farmer	2	4	6	0	14	71,000.00
11	Shri. Litson Marak	4	1	5	Farmer	1.5	11	6	3	0	74,000.00
12	Shri. Jono Sangma	4	2	6	Farmer	0.5	4	2	0	12	72,000.00
13	Shri. Sabingston Marak	5	1	6	Farmer	1.4	6	4	0	25	78,000.00
14	Shri. Ronin D. Marak	4	2	6	Farmer	2	9	1	0	17	62,000.00
15	Shri. Roningstone M. Sangma	4	1	5	Farmer	1	4	3	2	0	68,000.00
16	Shri. Winit Sangma	2	1	3	Farmer	1.3	8	3	0	28	66,000.00
17	Shri. Sorendro Sangma	2	2	4	Farmer	1.5	4	1	2	13	64,000.00
18	Smt. Biselline Marak	4	5	9	Farmer	0.5	5	3	0	6	69,000.00
19	Smt. Ogendro Sangma	2	2	4	Farmer	2	15	2	0	21	77,000.00

20	Smt. Redina Marak	1	1	2	Farmer	0.5	5	0	0	10	61,000.00
21	Shri. Sukan Sangma	2	3	5	Farmer	1.2	6	3	0	18	70,000.00
22	Shri. Aglesh Sangma	3	1	4	Farmer	2	13	5	2	21	77,000.00
23	Smt. Pesina Marak	0	1	1	Farmer	1.2	10	2	0	5	72,000.00
24	Shri. Bajing Marak	3	5	8	Farmer	0.5	0	4	0	17	80,000.00
25	Shri. Obison M. Sangma	8	7	15	Farmer	1	4	1	0	0	83,000.00
26	Shri. Bitding D. Shira	5	5	10	Farmer	1.2	7	0	0	27	84,000.00
27	Shri. George Marak	5	3	8	Farmer	0.6	0	4	6	17	82,000.00
28	Smt. Ailojini Sangma	1	3	4	Farmer	0.7	2	5	4	21	75,000.00
29	Shri. Kenen Marak	4	1	5	Farmer	1.6	4	3	0	25	78,000.00
30	Shri. Beringstone Marak	3	3	6	Farmer	1	6	3	0	20	70,000.00
31	Shri Anen Marak	3	1	4	Farmer	1.3	4	5	0	19	80,000.00
33	Shri Krendison Sangma	4	2	6	Farmer	0.6	3	4	0	18	81,000.00
34	Shri Letdon Sangma	4	5	9	Farmer	0.4	4	6	1	11	79,000.00
35	Shri. Jimeng Sangma	6	5	11	Farmer	1	5	4	6	8	80,000.00



36	Shri Chipson Marak	3	3	6	Farmer	0.5	6	5	2	12	77,000.00
37	Shri Newing Sangma	6	3	9	Farmer	1.8	8	4	4	16	75,000.00
38	Shri Jinda Sangma	4	1	5	Farmer	1.2	3	7	0	10	65,000.00
39	Shri Eliazar Sangma	3	4	7	Farmer	0.8	7	5	2	9	64,000.00
40	Smt. Deni Sangma	1	2	3	Farmer	1	7	4	2	12	62,000.00
41	Shri Wanding Sangma	3	3	6	Farmer	0.8	1	3	0	10	68,000.00
42	Shri Sengcheng Sangma	1	2	3	Farmer	0.6	2	6	0	6	60,000.00
43	Shri.Gomen Sangma	5	1	6	Farmer	1	2	5	4	9	64,000.00
44	Shri Limith Marak	1	5	6	Farmer	2	4	5	0	12	61,000.00
45	Shri Bishnu Marak	2	2	4	Farmer	1.1	4	5	1	11	63,000.00
46	Shri Malendro Marak	2	4	6	Farmer	0,9	3	5	0	15	72,000.00
47	Shri Kellak Marak	2	2	4	Farmer	2	1	3	2	8	69,000.00
48	Smt. Semol Sangma	2	2	4	Farmer	0.7	2	5	4	21	70,000.00
49	Shri. Wilithson Sangma	7	4	11	Teacher	1.6	4	3	0	25	1,34,000.00
50	Shri. Sillimson Marak	3	4	7	Farmer	1	6	3	0	20	75,000.00

51	Shri. Gewing Sangma	1	3	4	Farmer	1.3	4	5	0	19	70,000.00
52	Shri. Sena Marak	4	2	6	Farmer	0.6	3	4	0	18	74,000.00
52	Shri. Selenda Momin	3	2	5	Farmer	0.4	4	6	1	11	72,000.00
53	Shri. Tenrison Momin	5	3	8	Farmer	1	5	4	6	8	79,000.00
54	Shri. Chenging Sangma	5	2	7	Farmer	0.5	6	5	2	12	78,000.00
55	Shri. Atison Momin	3	1	4	Farmer	1.8	8	4	4	16	80,000.00
56	Shri. Rajen Sangma	3	4	7	Farmer	1.2	3	7	0	10	76,000.00
57	Shri. Strithson Sangma	3	2	5	Farmer	0.8	7	5	2	9	73,000.00
58	Shri. Crotsing Sangma	1	2	3	Farmer	1	5	4	0	12	70,000.00
	<b>Total:-</b>	<b>189</b>	<b>157</b>	<b>346</b>		<b>62.7</b>	<b>284</b>	<b>201</b>	<b>68</b>	<b>791</b>	<b>4146000</b>

**NAME OF THE VILLAGE: - Dagal gittim**

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	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>12</b>	<b>13</b>
1	Shri. Braigh Chaline Marak	2	4	6	Service	1.5	3	2	0	11	125,000.00
2	Shri. Jotton Shira	4	8	12	Farmer	1	4	4	0	16	95,000.00
3	Shri. Kallo Marak	1	2	3	Farmer	0.5	1	2	4	15	74,000.00
4	Shri. Swing Marak	3	3	6	Farmer	1.2	4	1	1	14	86,000.00
5	Shri. Moilo Marak	4	3	7	Farmer	0.5	7	2	3	10	86,000.00
6	Smt. Jenush Marak	1	1	2	Farmer	0.5	4	1	2	12	74,000.00
7	Smt. Wifetwoson Marak	3	3	6	Farmer	1.5	5	0	0	17	92,000.00
8	Shri. Withdrim Marak	4	1	5	Farmer	1.1	3	4	4	13	95,000.00

9	Shri. Jelendro Sangma	3	3	6	Farmer	0.5	5	4	0	19	82,000.00
10	Shri. Asuelson Sangma	2	5	7	Farmer	2	4	6	0	10	81,000.00
11	Smt. Reogine Marak	2	3	5	Farmer	1.2	8	6	3	9	94,000.00
12	Shri. Ruttel Sangma	4	3	7	Farmer	0.5	9	2	0	10	72,000.00
13	Shri. Rotton Sangma	1	2	3	Farmer	0.5	4	0	5	11	70,000.00
14	Shri. Henet Sangma	1	2	3	Farmer	0.5	3	3	0	8	68,000.00
	<b>Total:-</b>	<b>35</b>	<b>43</b>	<b>78</b>		13	64	37	22	175	1194000

**NAME OF THE VILLAGE: NENGSRRA**

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. Withuson Sangma	1	1	2	Farmer	2	6	2	0	13	64,000.00
2	Shri. Tumosh Sangma	1	2	3	Farmer	1.5	4	3	0	8	55,000.00

3	Shri. Utom Marak	3	2	5	Farmer	0.5	2	1	5	16	54,000.00
4	Shri. Pronoth Momin	3	3	6	Farmer	1.2	3	2	0	14	50,000.00
5	Shri. Etinate Marak	3	1	4	Farmer	0.5	3	1	0	7	56,000.00
6	Shri. Jilik Marak	3	4	7	Farmer	1	4	2	0	13	74,000.00
7	Shri. Nendro Ch. Marak	3	4	7	Farmer	1.2	6	1	0	9	60,000.00
8	Shri. Brejikson A. Sangma	1	1	2	Service	1.1	4	3	0	13	125,000.00
9	Shri. Kemponni D. Marak	1	1	2	Farmer	0.5	7	2	0	16	62,000.00
10	Shri. Lesonsing R. Sangma	1	0	1	Farmer	2	4	6	0	14	71,000.00
11	Shri. Wimith M Marak	5	2	7	Farmer	1.5	11	6	3	0	74,000.00
12	Shri. Pitorsing R.Sangma	2	6	8	Farmer	0.5	15	2	0	12	62,000.00
13	Shri. Sailon M. Sangma	4	1	5	Farmer	1.4	6	4	0	25	68,000.00
14	Smt Betani Sangma	3	3	6	Farmer	2	9	1	0	17	72,000.00
15	Smt. Krojilla A.Sangma	2	2	4	Farmer	1	4	3	2	0	68,000.00
16	Shri. Diwe D. Sangma	3	1	4	Farmer	1.3	8	3	0	28	56,000.00
17	Shri. Jangison N. Marak	4	4	8	Farmer	1.5	4	1	2	13	64,000.00
18	Shri. Sanding A. Marak	5	4	9	Farmer	0.5	5	3	0	6	

											59,000.00
19	Shri. Setilstone A. Sangma	2	2	4	Farmer	2	15	2	0	21	57,000.00
20	Shri. Arabith A. Sangma	5	2	7	Farmer	0.5	5	0	0	10	61,000.00
21	Shri. Winderson D. Sangma	3	2	5	Farmer	1.2	6	3	0	18	70,000.00
22	Shri. Dringston Marak	3	3	6	Farmer	2	13	5	2	21	77,000.00
23	Shri. Arwithson Marak	4	3	7	Farmer	1.2	10	2	0	5	82,000.00
24	Shri. Pison M. Marak	2	3	5	Farmer	0.5	0	4	0	17	70,000.00
25	Shri. Darwinson M. Marak	3	5	8	Farmer	1	4	1	0	0	73,000.00
26	Shri. Earson D. Sangma	2	3	5	Farmer	1.2	7	0	0	27	84,000.00
27	Shri. Sebelson M. Sangma	4	4	8	Farmer	0.6	0	4	6	17	72,000.00
28	Shri. Krawith D. Sangma	2	3	5	Farmer	1.4	3	1	0	13	79,000.00
29	Shri. Perosing N. Marak	2	3	5	Farmer	1.2	4	3	0	6	66,000.00
30	Shri. Rakam R. Sangma	2	2	4	Farmer	0.5	7	2	0	9	67,000.00
31	Shri. Orel R. Marak	3	1	4	Farmer	2	6	4	0	21	66,000.00
32	Shri. Pingston D. Marak	2	4	6	Farmer	1.4	3	1	0	19	72,000.00
33	Shri. Samu Marak	4	2	6	Farmer	0.5	5	3	0	0	60,000.00

34	Shri. Dirash M. Marak	2	2	4	Farmer	1	7	2	0	21	62,000.00
35	Shri. Porjen Sangma	1	2	3	Farmer	1.3	13	5	0	17	66,000.00
36	Smt. Letenish Sangma	0	1	1	Farmer	1.2	7	4	0	19	64,000.00
37	Shri. Prokash D. Sangma	1	3	4	Farmer	1.4	0	5	7	14	57,000.00
38	Shri. Balseng M. Marak	2	1	3	Farmer	2	10	3	0	23	65,000.00
39	Shri. Samuel K. Sangma	2	2	4	Farmer	3	4	5	6	7	68,000.00
40	Shri. Bilib N. Marak	2	1	3	Farmer	2	3	4	6	9	70,000.00
41	Shri. Mimith M. Sangma	0	1	1	Farmer	3	5	4	3	10	52,000.00
	<b>Total</b>	<b>101</b>	<b>107</b>	<b>209</b>		<b>53.3</b>	<b>242</b>	<b>113</b>	<b>42</b>	<b>548</b>	

**NAME OF THE VILLAGE: - INOLGRE**

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	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>12</b>	<b>13</b>
1	Shri. Gellenson Marak	6	6	12	Govt. Sertvice	2	6	2	0	13	134,000.00
2	Shri. Heberth Sangma	4	7	11	Govt. Service	1.5	4	3	0	8	125,000.00
3	Smt. Samilla Sangma	1	2	3	Farmer	0.5	2	1	5	16	64,000.00 64,000.00
4	Smt. Nogenia Sangma	0	1	1	ASHA	1.2	3	2	0	14	70,000.00
5	Shri. Simpru Marak	4	2	6	Farmer	0.5	3	1	0	7	66,000.00
6	Shri. Bijoy Marak	3	3	6	Farmer	1	4	2	0	13	94,000.00
7	Shri. Ejendro Sangma	4	2	6	Farmer	1.2	6	1	0	9	80,000.00
8	Shri. Kretinath Marak	3	1	4	Farmer	1.1	4	3	0	13	95,000.00
9	Shri Ballendro Sangma	4	2	6	Farmer	0.5	7	2	0	16	92,000.00
10	Shri. Ranchen Marak	2	3	5	Farmer	2	4	6	0	14	91,000.00



11	Shri. Rensing Marak	6	4	10	Farmer	1.5	11	6	3	0	84,000.00
12	Shri. Prewin Marak	5	3	8	Farmer	0.5	15	2	0	12	92,000.00
13	Shri. Gorison Marak	1	3	4	Farmer	1.4	6	4	0	25	98,000.00
14	Shri. Leonath Marak	5	3	6	Farmer	2	9	1	0	17	72,000.00
15	Shri. Maltish Marak	1	3	4	Farmer	1	4	3	2	0	88,000.00
16	Smt. Manual Marak	3	2	5	Farmer	1.3	8	3	0	28	96,000.00
17	Shri. Iding Sangma	3	2	5	Farmer	1.5	4	1	2	13	94,000.00
18	Shri. Emanuel; Sangma	2	3	5	Farmer	0.5	5	3	0	6	79,000.00
19	Shri. Songith Sangma	2	3	5	Farmer	2	15	2	0	21	87,000.00
20	Shri. Sillarani Sangma	3	2	5	Farmer	0.5	5	0	0	10	71,000.00
21	Shri. Prejesh Sangma	3	2	5	Farmer	1.2	6	3	0	18	90,000.00
22	Shri. Kriston Marak	3	2	5	Farmer	2	13	5	2	21	77,000.00
23	Shri. Jobu Marak	3	1	4	Farmer	1.2	10	2	0	5	72,000.00
24	Shri. Bullendro Sangma	5	4	9	Farmer	0.5	0	4	0	17	60,000.00
25	Shri. Hindro Marak	6	4	10	Farmer	1	4	1	0	0	63,000.00
26	Shri. Granson Sangma	4	2	6	Farmer	1.2	7	0	0	27	

											84,000.00
27	Shri. Jenolish Marak	3	2	5	Farmer	0.6	0	4	6	17	62,000.00
28	Shri. Willion Sangma	1	3	4	Farmer	1.4	3	1	0	13	89,000.00
29	Shri. Airsound Marak	3	3	6	Farmer	1.2	4	3	0	6	76,000.00
30	Shri. Sensing Marak	4	2	6	Farmer	0.5	7	2	0	9	67,000.00
31	Shri. Gitchira Sangma	0	2	2	Farmer	2	6	4	0	21	86,000.00
	<b>Total</b>	<b>97</b>	<b>85</b>	<b>182</b>		<b>36.5</b>	<b>185</b>	<b>77</b>	<b>20</b>	<b>409</b>	

**ANNEXURE III**  
**COST ESTIMATES**

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 etc.

(d) Soft laminated rock or medium shale

For Spring Chamber:

1	x		3	x		0.8	x		1	=		2.4		m <sup>3</sup>
2	x		3	x		0.8	x		1	=		4.8		m <sup>3</sup>

For Reservoir:

2	x		1.5	x		0.3	x		0.5	=		0.45		m <sup>3</sup>
2	x		1.3	x		0.3	x		0.5	=		0.39		m <sup>3</sup>

For Pipe  
Pedestals:

1	x		1.5	x		1.5			0.3	=		0.675		m <sup>3</sup>
										Total	=	8.715		m <sup>3</sup>

@ 122 /m<sup>3</sup> = Rs 1063.23

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

For Spring Chamber:

1	x		3	x		0.8	=		2.4		m <sup>2</sup>
2	x		3	x		0.8	=		4.8		m <sup>2</sup>

For Reservoir:

2	x		1.5	x		0.3	=		0.9		m <sup>2</sup>
2	x		1.3	x		0.3	=		0.78		m <sup>2</sup>
1	x		1.4	x		1.2	=		1.68		m <sup>2</sup>

For Pipe  
Pedestals:

	1	x	1.5	x	1.5		=	2.25	m <sup>2</sup>
						Total	=	12.81	m <sup>2</sup>
@	166		/m <sup>2</sup>			=	Rs	2126.46	

3/2.1

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

For Spring Chamber:

1	x	3	x	0.8	x	0.1	=	0.24	m <sup>3</sup>
2	x	3	x	0.8	x	0.1	=	0.48	m <sup>3</sup>

For Reservoir:

2	x	1.5	x	0.3	x	0.1	=	0.09	m <sup>3</sup>
2	x	1.3	x	0.3	x	0.1	=	0.078	m <sup>3</sup>

For Pipe  
Pedestals:

	1	x	1.5	x	1.5	x	0.1	=	0.24	m <sup>3</sup>
								=	1.128	m <sup>3</sup>
@	3859		/m <sup>3</sup>			=	Rs	4352.95		

4/2.2

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

For Spring Chamber:

1	x	3	x	0.6	x	0.9	=	1.62	m <sup>3</sup>
2	x	3	x	0.6	x	0.9	=	3.24	m <sup>3</sup>
1	x	3	x	$\frac{0.30 + 0.6}{2}$	x	1	=	1.35	m <sup>3</sup>
2	x	0.5	x	$\frac{0.3 + 0.60}{2}$	x	0.7	=	0.315	m <sup>3</sup>
2	x	2	x	$\frac{0.25 + 0.30}{2}$	x	0.3	=	0.33	m <sup>3</sup>

2.4

For Reservoir:

2	x	1.5	x	0.3	x	0.1	=	0.09	m <sup>3</sup>
2	x	1.3	x	0.3	x	0.1	=	0.078	m <sup>3</sup>
1	x	1.2	x	1	x	0.1	=	0.12	m <sup>3</sup>

For Pipe

Pedestals:

2	x	1.5	x	0.1	x	0.1	=	0.03	m <sup>3</sup>	
2	x	1.5	x	0.1	x	0.1	=	0.03	m <sup>3</sup>	
								=	7.203	m <sup>3</sup>

@ 4209 /m<sup>3</sup> = Rs 30317.4

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	x	3	x	1.1	=	3.3	m <sup>2</sup>
1	x	3	x	1.1	=	3.3	m <sup>2</sup>
1	x	1	x	1.1	=	1.1	m <sup>2</sup>
2	x	3	x	1.1	=	6.6	m <sup>2</sup>
2	x	3	x	1.1	=	6.6	m <sup>2</sup>
1	x	1	x	1.1	=	1.1	m <sup>2</sup>
2	x	2	x	1.1	=	4.4	m <sup>2</sup>

For Reservoir:

2	x	1.5	x	2	=	6	m <sup>2</sup>
2	x	1.3	x	2	=	5.2	m <sup>2</sup>
2	x	2	x	1.5	=	6	m <sup>2</sup>

For Pipe

Pedestals:

1	x	1.5	x	0.5	=	0.75	m <sup>2</sup>
2	x	2.5	x	1.5	=	7.5	m <sup>2</sup>

@	217 /m <sup>3</sup>	=	Rs	51.85 m <sup>2</sup>
				11251.5

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

2	x	1.5	x	0.2	x	2	=	0.9 m <sup>3</sup>
2	x	1.3	x	0.2	x	2	=	0.78 m <sup>3</sup>

For Pipe  
Pedestals:

1	x	1.5	x	1.5	x	0.3	=	0.405 m <sup>3</sup>
								<hr/>
								2.085 m <sup>3</sup>

@	4738 /m <sup>3</sup>	=	Rs	9878.73
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7/6.2(a) Providing to steel reinforcement in R.C.C works including cutting , bending, cranking, and tying in position etc..

For Spring Chamber using 10mm dia @15cm c/c

3	x	20	x	0.618	=	37.08 Kg
6	x	40	x	0.618	=	148.32 Kg
1	x	7	x	0.618	=	4.326 Kg
2	x	14	x	1.618	=	45.304 Kg

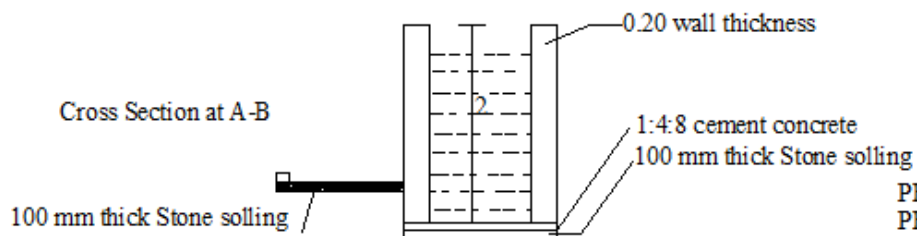
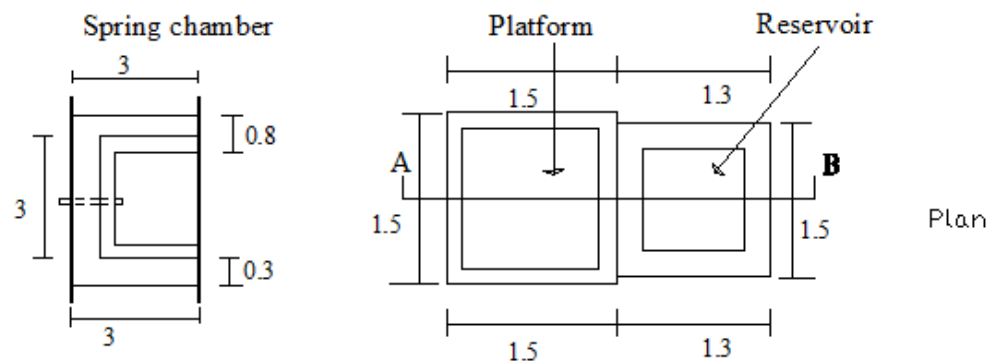
For Reservoir using 10mm dia @ 15cm c/c

3	x	20	x	0.618	=	37.08 Kg	
2.6	x	18	x	0.618	=	28.9224 Kg	
4	x	27	x	0.618	=	65.7552 Kg	100
4	x	27	x	0.618	=	66.744 Kg	
						<hr/>	
						433.532 Kg	
						4.33532 Quintal	

	@	7089 /qtl	=	Rs	30733.1
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-2.6 Rm @ Rs 490/Rm	=	Rs	1274
	(b) 50mm G.I pipes				
		Length 50 Rm @ Rs 180/-Rm	=	Rs	9,000
		GRAND TOTAL	=	Rs	99,997
			Say	Rs	100,000
	(Rupees One lakh only)				



PLAN AND SECTION OF SPRING CHAMBER WITH WATER RESERVOIR



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

ESTIMATE FOR THE CONSTRUCTION OF SMALL DUG-OUT POND AS PER  
SCHEDULED OF RATES FOR ROADS, BRIDGES AND E & D WORKS FOR THE YEAR

2009-2010 IN TURA CIRCLE AND WILLIAMNAGAR CIRCLE

1/3. Cleaning and removal of rubbish upto a distance of 30 m outside the periphery of the area  
Area = Rs 0.048 Ha

@ 5040 /Ha = Rs 241.9

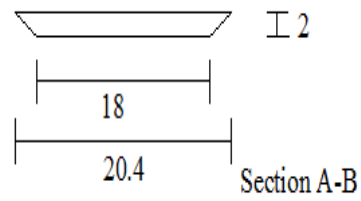
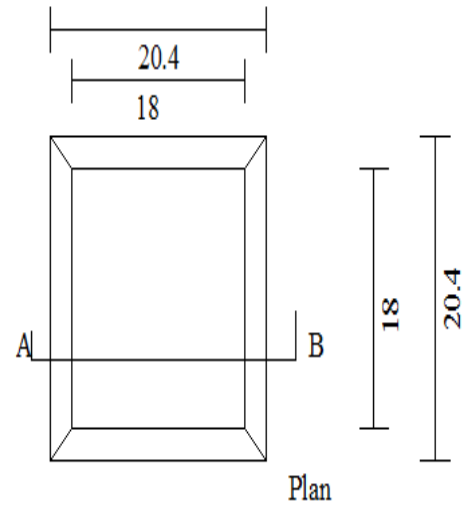
2/67. Earthwork in excavation for foundation of structures upto 3m depth as per drawing and technical specification etc.

$$1 \times \frac{(20.4 \times 20.4) + (18 \times 18)}{2} \times 2 = 740.16 \text{ m}^3$$

@ Rs 101 /m<sup>3</sup> = Rs 74756.16  
Total = Rs. 74,998.08  
Say Rs. 75,000.00

(Rupees seventy five thousand) Only

PLAN FOR SMALL DUG OUT POND



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

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  
2009-2010 IN TURA AND WILLIAMNAGAR CIRCLE

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

$$1 \times 17.69 \times 0.9 \times 0.8 = 12.7368 \text{ m}^3$$

$$@ 47 /\text{m}^3 = \text{Rs } 598.6296$$

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

$$1 \times 17.69 \times 0.9 \times 0.8 = 12.737 \text{ m}^3$$

$$1 \times 17.69 \times \left( \frac{0.9 + 0.4}{2} \right) \times 1.8 = 20.697 \text{ m}^3 \quad 1.3$$

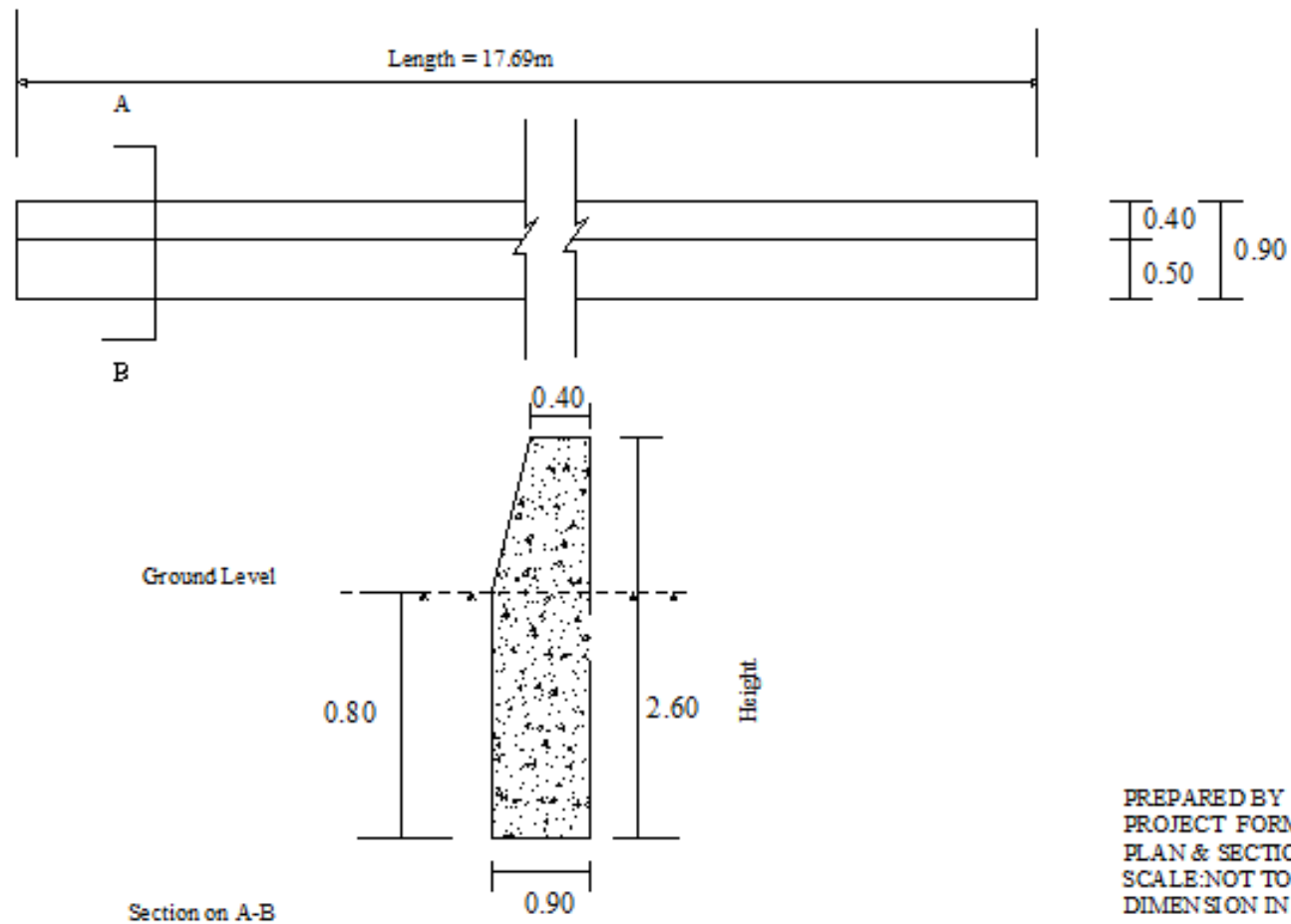
$$33.434 \text{ m}^3 \quad 0.65$$

$$@ 3571 /\text{m}^3 = \text{Rs } 119,393.17$$

Grand total = Rs 119,991.80  
Say Rs 1,20,000

(Rupees One lakh and twenty thousand only)

## PLAN & SECTION OF C.C RETAINING WALL



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 2009-10 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 = 0.155 Ha

@ 5040 /Ha = Rs 781.2

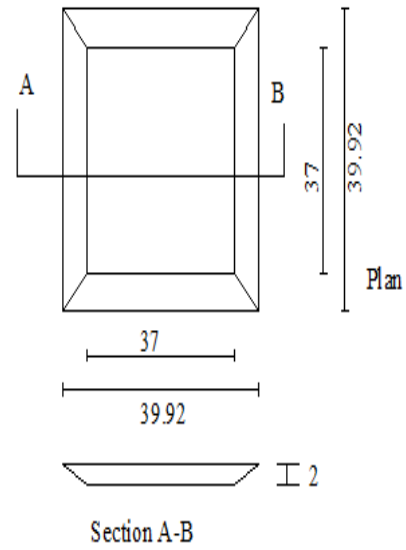
2/3(a) Earthwork in excavation to the proper grade including light, dressing providing cambering  
and super elevation as directed and removal of spoils upto 30m lead and all lift

$$1 \times \left( \frac{39.92 \times 39.92}{2} \right) + \left( \frac{37 \times 37}{2} \right) \times 2 = 2962.606 \text{ m}^3$$

@ Rs 101 /m<sup>3</sup> = Rs 299223.2  
Total = Rs 300,004.45  
Say Rs 3,00,000

( Rupees Three Lakhs ) 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 CHECK DAM AS PER  
SCHEDULED OF RATES FOR ROADS , BRIDGES AND E & D WORKS FOR 2009-10  
FOR 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	12	x	1.1	x	1	=		13.2 m <sup>3</sup>
Curtain Wall	8	x	0.15	x	0.4	=		0.48 m <sup>3</sup>
Apron	9	x	3	x	0.4	=		10.8 m <sup>3</sup>
Wing wall	2	x	3.5	x	1	x	1.1	7 m <sup>3</sup>
								31.48 m <sup>3</sup>

@ 101 /m<sup>3</sup> = Rs 3179.48

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	9	x	3	x	0.25	=		6.75 m <sup>3</sup>
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@ 1086 /m<sup>3</sup> = Rs 7330.5

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	1	x	0.1	=		0.7 m <sup>3</sup>	
Dam	1	x	12	x	1.1	x	0.1	=		1.32 m <sup>3</sup>	1.6
	1	x	12	x	1.1	x	1	=		13.2 m <sup>3</sup>	0.8



	12	x	0.5	+	1.1	x	1.69	=	16.224	m <sup>3</sup>
					2					
	2	x	4	x	0.6	x	0.3	=	1.44	m <sup>3</sup>
Apron	9	x	3	x	0.15			=	4.05	m <sup>3</sup>
Curtain Wall	8	x	0.15	x	0.55			=	0.66	m <sup>3</sup>
C.C Channel	1	x	11.52	x	0.7	x	0.1	=	0.8064	m <sup>3</sup>
	2	x	11.52	x	0.6	x	0.1	=	1.3824	m <sup>3</sup>
									39.7828	m <sup>3</sup>
	@		3571	m <sup>3</sup>				=	Rs	142064.3788

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

Wing Wall

	2	x	3.5	x	1	x	1	=	7	m <sup>3</sup>	1.5
2 X	3.5	X	0.5	+	1	X	1.7	=	8.925	m <sup>3</sup>	0.75
					2						
									-	15.925	m <sup>3</sup>
	@	2536	m <sup>3</sup>					=	Rs	40385.8	

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

Dam

	2	x	12	x	1.7			=	40.8	m <sup>2</sup>
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	12	x	4	x	0.3	=	14.4	m <sup>2</sup>
	2	x	0.6	x	0.3	=	0.36	m <sup>2</sup>
	1	x	6	x	0.6	=	3.6	m <sup>2</sup>
C.C Channel	2	x	11.52	x	0.6	=	13.824	m <sup>2</sup>
	1	x	11.52	x	0.7	=	8.064	m <sup>2</sup>
							81.048	m <sup>2</sup>
@	83	m <sup>3</sup>				=	Rs	6726.984

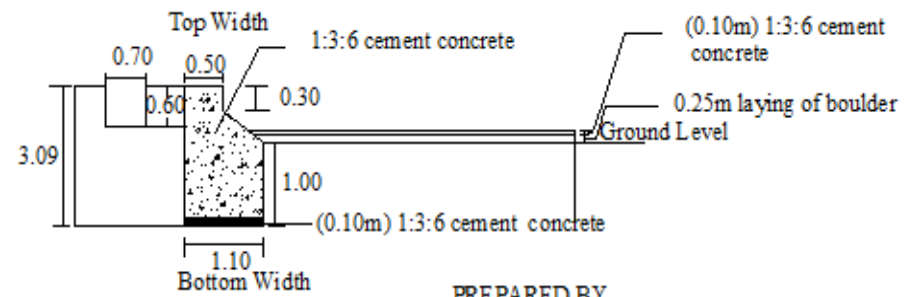
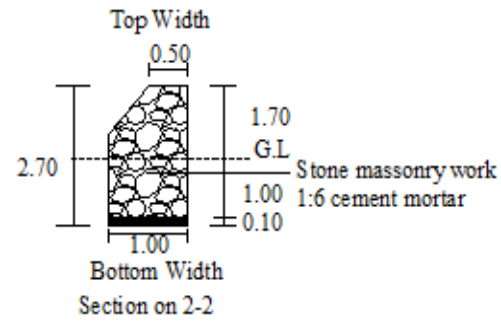
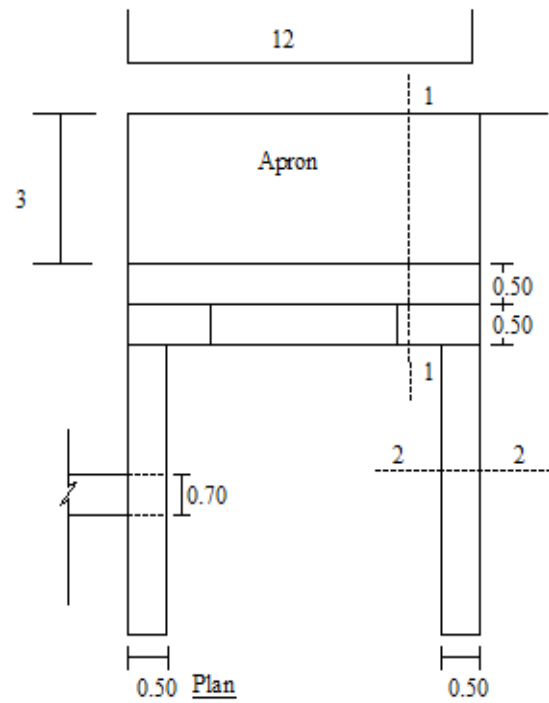
6/134 Excavation of structures (earthwork in excavation of foundation of structures as per drawing and technical specification including setting out and construction of shoring etc.

	11.52	x	0.8	x	0.7	=	6.4512	m <sup>3</sup>
@	47	m <sup>3</sup>				=	Rs	303.2064

Total	=	Rs	199,991.79
say		Rs	2,00,000

(Rupees Two Lakhs ) only

## PLAN AND SECTION OF CEMENT CONCRETE CHECK DAM



Section on 1-1

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

ESTIMATE FOR THE CONSTRUCTION OF CEMENT CONCRETE DIVERSION CHANNEL AS PER  
SCHEDULED OF RATES FOR ROADS , BRIDGES E & D WORKS FOR THE YEAR 2009-2010  
IN TURA AND WILLIAMNAGAR CIRCLE

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

$$1 \times 53.20 \times \frac{1.50 + 1.00}{2} \times 1.19 = 79.14 \text{ m}^3$$

2.50  
1.25

$$\text{Rs. } 47 / \text{m}^3 \qquad \text{Rs } 3,719.35$$

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

$$1 \times 53.20 \times 1 = 53.20 \text{ m}^3$$

Rs. 1065 /m3 \qquad Rs 56,658.00

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

Cement procured

$$\begin{array}{rcl} 1 \times 53.20 \times 1 \times 0.1 & = & 5.32 \text{ m}^3 \\ 2 \times 53.20 \times 1.22 \times 0.1 & = & 12.98 \text{ m}^3 \\ \hline & & 18.30 \text{ m}^3 \end{array}$$

Rs. 4090 /m<sup>3</sup>

Rs 74,850.27

4/176 Plastering with cement mortar (1:3) on brick work in super structure as per drawing and technical specification

$$2 \times 53.20 \times 1.22 = 129.8 \text{ m}^2$$

Rs. 83 /m<sup>2</sup>

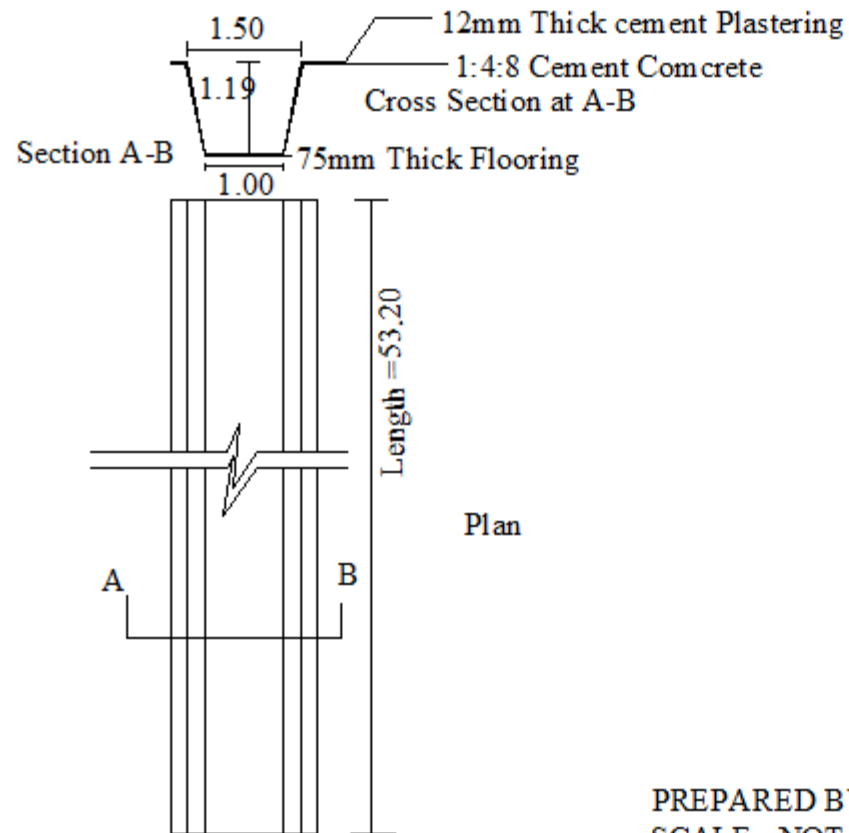
Rs. 10,774.06

Total = Rs. 1,46,001.68

Say Rs. 1,46,000.00

(Rupees one lakh and forty six 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

ESTIMATE FOR THE CONSTRUCTION OF CEMENT CONCRETE DIVERSION CHANNEL AS PER  
SCHEDULED OF RATES FOR ROADS , BRIDGES E & D WORKS FOR THE YEAR 2009-2010  
IN TURA AND WILLIAMNAGAR CIRCLE

1/134(1)	Excavation for structures (earthwork in excavation of foundation of structures as per drawing and technical specifications, including setting out etc.		
	$1 \times 30.24 \times \frac{1.50 + 1.00}{2} \times 1.196 = 45.21 \text{ m}^3$	2.50	
	Rs. 47 /m <sup>3</sup>	Rs. 2,124.81	1.25
2/103.	Providing and laying of dry rubble flooring completed as per drawing and technical specifications etc.		
	$1 \times 30.24 \times 1 = 30.24 \text{ m}^3$		
	Rs. 1065 /m <sup>3</sup>	Rs. 32,205.60	
3/141A	Plain /reinforced cement concrete in open foundation as per drawing and technical specifications  Cement procured		
	$1 \times 30.24 \times 1 \times 0.1 = 3.024 \text{ m}^3$		
	$2 \times 30.24 \times 1.22 \times 0.1 = 7.379 \text{ m}^3$ <hr style="width: 50%; margin-left: auto; margin-right: 0;"/>		

10.40 m<sup>3</sup>

Rs. 4090 /m<sup>3</sup>

Rs. 42,546.47

4/176 Plastering with cement mortar (1:3) on brick work in super structure as per drawing and technical specification

$$2 \times 30.24 \times 1.22 = 73.79 \text{ m}^2$$

Rs. 83 /m<sup>2</sup>

Rs. 6,124.20

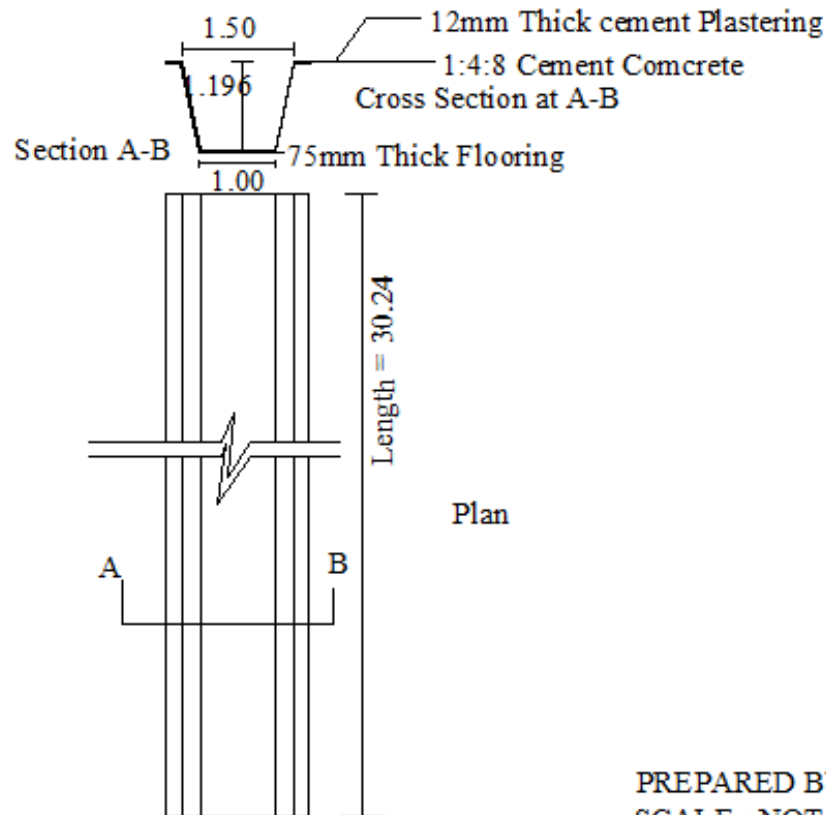
Total = Rs. 83,001.09

Say Rs. 83,000.00

(Rupees eighty three 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

ESTIMATE FOR THE CONSTRUCTION OF CEMENT CONCRETE DIVERSION CHANNEL AS PER  
SCHEDULED OF RATES FOR ROADS , BRIDGES E & D WORKS FOR THE YEAR 2009-2010  
IN TURA AND WILLIAMNAGAR CIRCLE

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

$$1 \times 29.87 \times \frac{1.50 + 1.00}{2} \times 1.2 = 44.81 \text{ m}^3 \quad \begin{matrix} 2.50 \\ 1.25 \end{matrix}$$

Rs. 47 /m<sup>3</sup> Rs. 2,105.84

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

$$1 \times 29.87 \times 1 = 29.87 \text{ m}^3$$

Rs. 1065 /m<sup>3</sup> Rs. 31,811.55

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

Cement  
procured

$$\begin{array}{l} 1 \times 29.87 \times 1 \times 0.1 = 2.987 \text{ m}^3 \\ 2 \times 29.87 \times 1.22 \times 0.1 = 7.288 \text{ m}^3 \end{array}$$


---

10.28 m<sup>3</sup>

Rs. 4090 /m<sup>3</sup>

Rs. 42,025.90

4/176 Plastering with cement mortar (1:3) on brick work in super structure as per drawing and technical specification

$$2 \times 29.87 \times 1.22 = 72.88 \text{ m}^2$$

Rs. 83 /m<sup>2</sup>

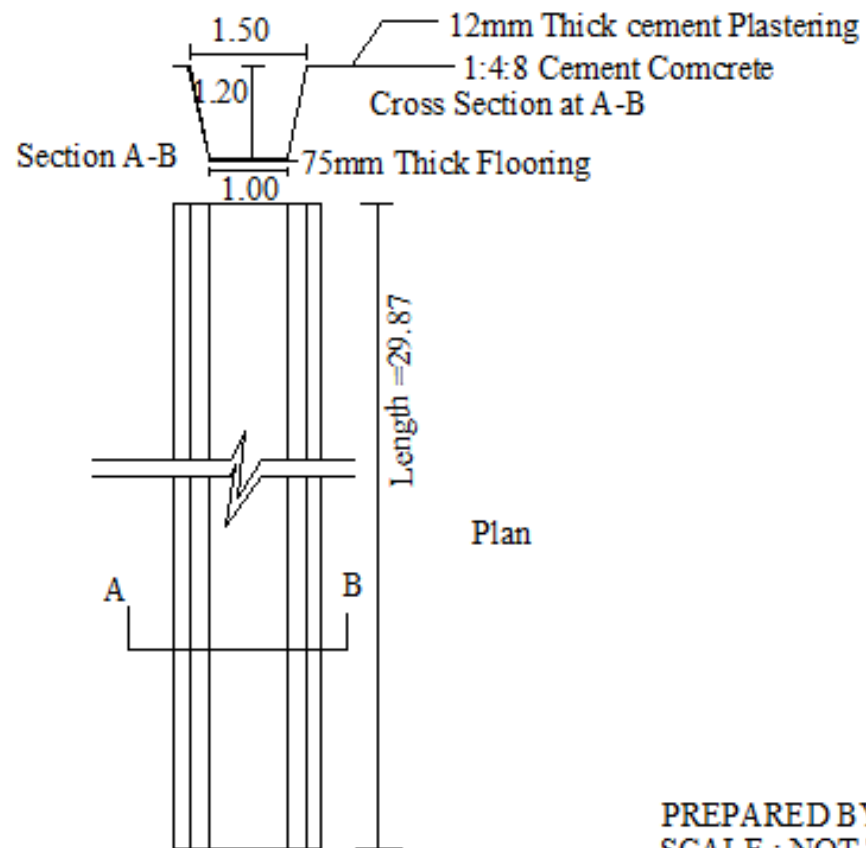
Rs. 6,049.27

Total = Rs. 81,992.55

Say Rs. 82,000.00

(Rupees eighty two 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 5 (five) 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-VI	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
		Miss. Flewinda N Areng	Female	26 yrs	B.V.Sc. & AH	Bachelor of Veterinary Science & Animal Husbandary
		Shri. Reagan S. Momin	Male	29 yrs	Bachelor in HM & Administrative Assistant	Bachelor in HM & Administrative Assistant

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

The Middle Rongdi Micro Watershed under Integrated Watershed Management Programme (IWMP-VI) 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 both the Villages i.e Inolgre and Nengsra 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 Endethson R.Sangma (SCD Sr.) Baghmara Soil & Water Conservation (CC) Division . The Watershed Committee of Middle Rongdi Micro-Watershed comprises of 11 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-VI	1. Shri. Prokash D. Sangma	29/11/2011 SGH/SR/719 of 2011	Chairman	M	ST	Class VIII
		2. Shri. Endethson R. Sangma		Secretary	M	ST	Matric Passed
		3. Shri. Kai Raksal Sangma		Member	M	ST	B.C.A
		4. Shri. Sonjit Sangma		Member	M	ST	Class VII
		5. Smt. Walmitchi D. Sangma		Member	F	ST	Class V
		6. Shri. Rensing Ch.Marak		Member	M	ST	ClassVII
		7. Shri. Ballendro D. Sangma		Member	M	ST	Class X
		8. Shri. Weterson Sangma		Member	M	ST	Class VIII
		9. Smt. Bethalish Marak		Member	F	ST	Class IV
		10. Shri. Etinath Marak		Member	M	ST	Class XII
		11. Smt. Tejilla A. Sangma		Member	F		

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

The Lower Rongdi Micro Watershed under Integrated Watershed Management Programme (IWMP-VI) 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 3 (three) Villages i.e Potchismile, Among Rongjol and Dagal Gittim 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. Endethson R.Sangma (SCD Sr.) Baghmara Soil & Water Conservation (CC) Division. The Watershed Committee of Lower Rongdi Micro-Watershed comprises of 12 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-VI	1. Shri. Borun D. Marak	29/11/2011 SGH/SR/720 of 2011	Chairman	M	ST	Class VIII
		2. Shri. Endethson R. Sangma		Secretary	M	ST	Matric Passed
		3. Shri. Kai Raksal Sangma		Member	M	ST	B.C.A
		4. Shri. Berington M. Marak		Member	M	ST	Class VII
		5. Shri. Promish Marak		Member	M	ST	Class V
		6. Shri. Milsing Sangma		Member	M	ST	ClassVII
		7. Shri. Aglish Sangma		Member	M	ST	Class X
		8. Shri. Joten Shira		Member	M	ST	Class VIII
		9. Shri. Kalsin Marak		Member	M	ST	Class IV
		10. Shri. Wifetwoson Marak		Member	M	ST	Class VII
		11. Shri. Akiril D. Sangma		Member	M	ST	Class VI
		12. Smt. Grecila D. Sangma		Member	F	ST	Class VII




### AGREEMENT FOR CONVERGENCE OF SCHEME

The Village Employment Council (VEC) and the Communities of Potchismile Village, Rongara Block, South Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Watershed Management Project (IWMP) at Potchismile village under Lower Rongdi Micro-Watershed, SGH-IWMP-VI 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 (2011-12 to 2016-16). The wage and material component under NREGS shall be utilized for following works:

1. Small Dug-out Pond
2. Rubber Plantation.
3. Protection Wall/ Retaining Wall.
4. Water Harvesting.
5. C.C Check Dam.

  
Chairman,  
Pochis Mile  
Rongara V.E.C.  
South Garo Hills

Village Employment Council  
Potchismile  
Rongara Block, SGH.

  
Secretary,  
Pochis Mile  
Rongara V.E.C.  
South Garo Hills

Village Employment Council  
Potchismile  
Rongara Block, SGH.

### AGREEMENT FOR CONVERGENCE OF SCHEME

The Village Employment Council (VEC) and the Communities of Dagal Gittim Village, Rongara Block, South Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Watershed Management Project (IWMP) at Dagal Gittim village under Lower Rongdi Micro-Watershed, SGH-IWMP-VI 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 (2011-12 to 2016-16). The wage and material component under NREGS shall be utilized for following works:

1. Small Dug-out Pond
2. Rubber Plantation.
3. Protection Wall/ Retaining Wall.
4. Water Harvesting.
5. C.C Check Dam.

President  
Village Employment Council  
Dagal Gittim  
Rongara Block, SGH.

*W. Matal*  
Chairman,  
New Rongara V.E.C.  
Rongara Block Development  
South Garo Hills

Secretary  
Village Employment Council  
Dagal Gittim  
Rongara Block, SGH.

*W. Matal*  
Secretary,  
New-Rongara V.E.C.  
Rongara Block  
South Garo Hills

### AGREEMENT FOR CONVERGENCE OF SCHEME

The Village Employment Council (VEC) and the Communities of Among Rongjol Village, Rongara Block, South Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Watershed Management Project (IWMP) at Among Rongjol village under Lower Rongdi Micro-Watershed, SGH-IWMP-VI 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 (2011-12 to 2016-16). The wage and material component under NREGS shall be utilized for following works:

1. Small Dug-out Pond
2. Rubber Plantation.
3. Protection Wall/ Retaining Wall.
4. Water Harvesting.
5. C.C Check Dam.

*Allison Marah*

Chairman,  
Rongjol Songgital V.E.C.  
Rongara Dev. Block

Village Employment Council  
Among Rongjol  
Rongara Block, SGH.

*Eliager Sagar*

Secretary,  
Rongjol Songgital V.E.C.  
Rongara Dev. Block

Village Employment Council  
Among Rongjol  
Rongara Block, SGH.

### AGREEMENT FOR CONVERGENCE OF SCHEME

The Village Employment Council (VEC) and the Communities of Inolgre Village, Rongara Block, South Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Watershed Management Project (IWMP) at Inolgre village under Middle Rongdi Micro-Watershed, SGH-IWMP-VI 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 (2011-12 to 2016-16). The wage and material component under NREGS shall be utilized for following works:

1. Small Dug-out Pond
2. Rubber Plantation.
3. Protection Wall/ Retaining Wall.
4. Water Harvesting.
5. C.C Check Dam.

President  
Village Employment Council  
Inolgre  
Rongara Block, SGH.

*f. d. langma*  
President  
Village Employment Council  
Inolgre V.E.C  
South Garo Hills

Secretary  
Village Employment Council  
Inolgre  
Rongara Block, SGH.

*f. d. langma*  
Secretary  
Village Employment Council  
Inolgre V.E.C  
South Garo Hills




### AGREEMENT FOR CONVERGENCE OF SCHEME

The Village Employment Council (VEC) and the Communities of Nengsra Village, Rongara Block, South Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Watershed Management Project (IWMP) at *Nengsra* village under Middle Rongdi Micro-Watershed, SGH-IWMP-VI 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 (2011-12 to 2016-16). The wage and material component under NREGS shall be utilized for following works:

1. Small Dug-out Pond
2. Rubber Plantation.
3. Protection Wall/ Retaining Wall.
4. Water Harvesting.
5. C.C Check Dam.

President  
Village Employment Council  
Nengsra  
Rongara Block, SGH.  
  
Chairman,  
Nengsra V.E.C.  
Rongara Dev. Block

Secretary  
Village Employment Council  
Nengsra  
Rongara Block, SGH.  
  
Secretary,  
Nengsra V.E.C.  
Rongara Dev. Block

**Proceedings of the Middle Rongdi Micro Watershed meeting held on 06-10-2011 at Nokma Resident, Inolgre in connection with the formation of watershed committee & Watershed Association. Time 2:30 AM.**

Member Present enclosed as annexure A.

At outset of the meeting SCD(Jr-I), Shri. Probith C. Marak welcomed all the members present in the meeting and apprised them the purpose of the meeting. The following resolution had been resolved under the chairmanship of Shri. Probith C. Marak (SCD Jr-I).

Resolution No. 1. It was resolved to select the chairman and the secretary & members of the watershed committee

Resolution No. 2. It was also resolved to constitute the watershed committee with the following persons

- a. Chairman: Shri. Prokash D.Sangma
- b. Secretary: Shri. Endethson R. Sangma (SCD-Sr)
- c. Members:
  - 1. Shri. Kairaksal M Sangma
  - 2. Shri. Sonjit Sangma
  - 3. Smt. Walmitchi D. Sangma
  - 4. Shri. Rensing Ch. Marak
  - 5. Shri. Ballendro D. Sangma
  - 6. Shri. Weterson Sangma
  - 7. Smt. Bethalish Marak
  - 8. Shri. Etinath Marak
  - 9. Smt. Tejilla A. Sangma

Resolution No. 3. It was also resolved to constitute the Watershed Association with the following persons

- a. President: Shri. Timosh Sangma
- b. Secretary: Shri. Kretinath N. Marak
- c. Members:
  - 1. Shri. Prejish Sangma
  - 2. Smt. Luckuline Marak
  - 3. Shri. Ental Sangma
  - 4. Smt. Litina Sangma
  - 5. Shri. Proning Marak
  - 6. Shri. Jesebirth Marak

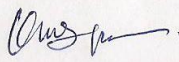
7. Shri. Berning Sangma
8. Smt. Mehetina Sangma

Resolution No.4. It was also resolved to open Savings Bank Account in the SBI Baghmara and shall be operated jointly with the chairman & the secretary of the watershed committee as per the Guidelines of the IWMP-VI under the Ministry of Rural Development.

Resolution No. 5. It was also resolved to open joint Savings bank Account for the WDF (Watershed Development Fund) in the SBI Baghmara to deposit the 5 % of money under work component and shall be operated by the Chairman and the Secretary of the Middle Rongdi Micro-Watershed.

As there was no more agenda to be discussed, the meeting came to an end with vote of thanks from the chairman.

Recorded by

  
( K. M. Sangma )

**Proceedings of the Lower Rongdi Micro Watershed meeting held on 07-10-2011 at Potchismile in connection with the formation of watershed committee & Watershed Association. Time 1:30 AM.**

Member Present enclosed as annexure A.

At outset of the meeting SCD(Jr-I), Shri. Probith C. Marak welcomed all the members present in the meeting and apprised them the purpose of the meeting. The following resolution had been resolved under the chairmanship of Shri. Probith C. Marak (SCD Jr-I).

Resolution No. 1. It was resolved to select the chairman and the secretary & members of the watershed committee

Resolution No. 2. It was also resolved to constitute the watershed committee with the following persons

- a. Chairman: Shri. Borun D. Marak
- b. Secretary: Shri. Endethson R. Sangma (SCD-Sr)
- c. Members:
  - 1. Shri. Kairaksal M Sangma
  - 2. Shri Beringston M. Marak
  - 3. Smt. Promish Marak
  - 4. Shri. Milsing Sangma
  - 5. Shri. Aglish Sangma
  - 6. Shri. Joten Shira
  - 7. Shri. Kalsin Marak
  - 8. Shri. Wifetwoson Marak
  - 9. Shri. Akiril D. Sangma
  - 10. Smt. Grecila D. Sangma

Resolution No. 3. It was also resolved to constitute the Watershed Association with the following persons

- a. President: Shri. Bajing M. Marak
- b. Secretary: Smt. Biselin M. Marak
- c. Members:
  - 1. Shri. Obison M. Sangma
  - 2. Shri. Witrin Marak
  - 3. Shri. Asuelson Sangma



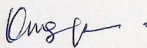
4. Smt. Lejonish M. Sangma
5. Shri. Roniston M. Sangma
6. Shri. Ardes R. Marak
7. Shri. Newilson D. Sangma
8. Shri. Preoba R. Marak

Resolution No.4. It was also resolved to open Savings Bank Account in the SBI Baghmara and shall be operated jointly with the chairman & the secretary of the watershed committee as per the Guidelines of the IWMP-VI under the Ministry of Rural Development.

Resolution No. 5. It was also resolved to open joint Savings bank Account for the WDF (Watershed Development Fund) in the SBI Baghmara to deposit the 5 % of money under work component and shall be operated by the Chairman and the Secretary of the Lower Rongdi Micro-Watershed.

As there was no more agenda to be discussed, the meeting came to an end with vote of thanks from the chairman.

Recorded by

  
(K. M. Sangma)

MEMBER PRESENT IN THE MEETING HELD ON  
 7.10.2011 AT POCHISHILE IN CONNECTION WITH  
 THE FORMATION OF LOWER RONGDI MICRO WA-  
 TERSHED COMMITTEE + WATERSHED ASSOCIA-  
 TION.

SL. No.	NAME	SIGNATURE	VILLAGE.
1.	Shri. Anil Kumar D. Sangra	[Signature]	Pochishile.
2.	" Bikash R. Marak	[Signature]	"
3.	Smt. Arjun M. Marak	[Signature]	Pochishile.
4.	Shri. Pradip D. Sangra	[Signature]	"
5.	Smt. Ushita D. Sangra	[Signature]	"
7.	Smt. Phulkyshini A. Sangra	[Signature]	"
8.	Smt. Priyanka Marak	[Signature]	"
9.	Smt. Ushita M. Sangra	[Signature]	"
10.	Shri. Pradip D. Marak	[Signature]	"
11.	" Jyoti M. Sangra	[Signature]	"
12.	" Geeta Marak	[Signature]	"
13.	" Madhvi Sangra	[Signature]	Amonggri
14.	" Sabingstana Marak	[Signature]	Amonggri
15.	" Jyoti M. Marak	[Signature]	Amonggri
16.	" Animesh Sangra	[Signature]	Amonggri
17.	" Jyoti Sangra	[Signature]	Amonggri
18.	Smt. Bismita M. Marak	[Signature]	Amonggri
19.	Smt. ...	[Signature]	Amonggri

21.	Shri George Masak	Amoyggari
22	" Bajing Merah	Amoyggari
23	" Altizon - mami	Amoyggari
24	" Wilikou Sangma	Amoyggari
25	" Pramit Merah	Amoyggari
26	" Denilla Sangma	Amoyggari
27	" Grijilla Sangma	Amoyggari
28	" Bistilis Sangma	Amoyggari
29	" Gramika L. Sangma	Amoyggari
30	" Lizoni Sangma	Amoyggari
31	" Aglish Sangma	Amoyggari
32	" Maclo - Sangma	Amoyggari
33	" Newdon Sangma	Amoyggari
34	" Shri April Sangma	Amoyggari
35	" Shri Wilobris merah	Amoyggari
36	" Shri Luing merah	Amoyggari
37	" Shri Sunelson sangma	Amoyggari
38	" Shri, Andesh Merah.	Amoyggari
39	" Smt. Christina Sangma	Amoyggari
40	" Shri Karin merah	Amoyggari
41	" Shri Mailo merah	Amoyggari
42	" Smt. Eallyna Sangma	Amoyggari
43	" Smt. Pepola Merah	Amoyggari