

Government of Meghalaya



Detail Project Report

on

IWMP-VIII

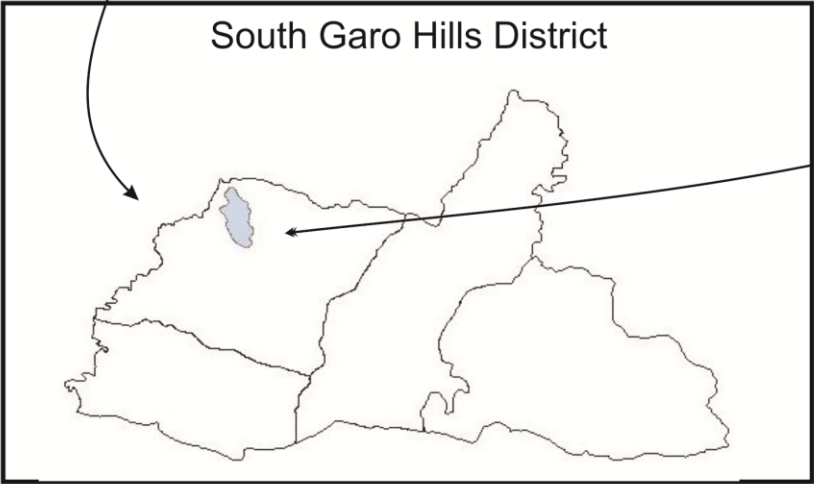
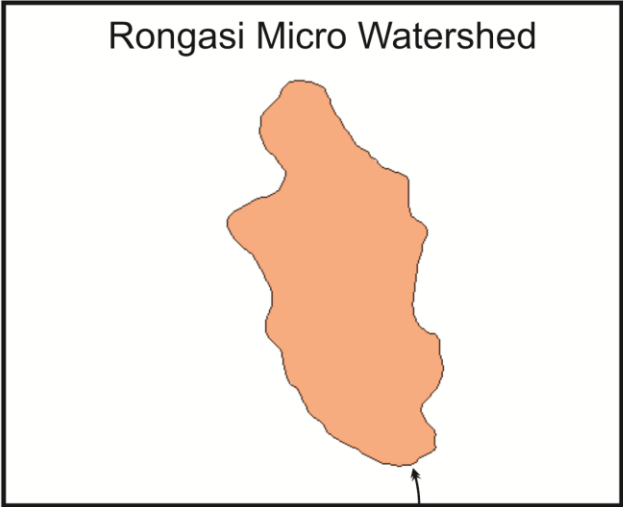
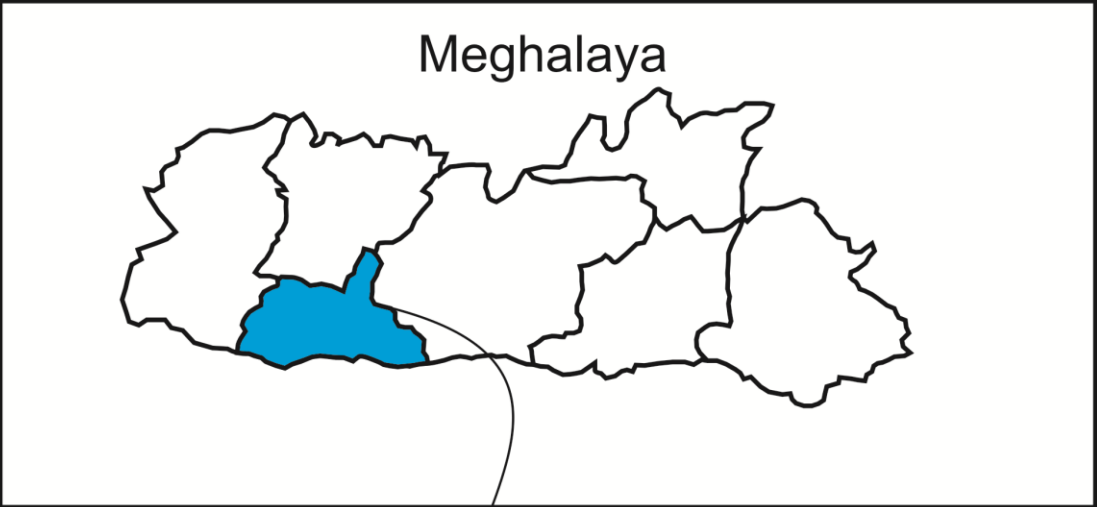
under

Integrated Watershed Management Programme

2012-2013

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

Index Map of Rongasi Micro Watershed IWMP-VIII
South Garo Hills District



SUMMARY

Name of the State	:	Meghalaya
Name of the District	:	South Garo Hills District
Name of the C&RD Block	:	Chokpot
Name of the Villages	:	1. Chiringmagre 2. Rongru Asim 3. Rongasigre 4. Rongru watregre
Name of the Project	:	South Garo Hills – IWMP – VIII
Total Geographical Area	:	2113 Ha
Total Treatment Area	:	2040 Ha
Total Project Cost	:	306 Lakhs
Project Duration	:	5 Years
Project Implementing Agency	:	Soil & Water Conservation (Cash Crop) Division, Baghmara.

TABLE OF CONTENTS

CHAPTER I	Introduction and Background	1-2
CHAPTER II	Basic Information of the Project Area	3-11
CHAPTER III	Project Planning & Institution Building	12-18
CHAPTER IV	Project Activities	19-28
CHAPTER V	Action Plan	29-48
CHAPTER VI	Capacity Building	49-52
CHAPTER VII	Expected Outcome	53-61
ANNEXURE I	Maps	62-70
ANNEXURE II	Socio-Economic Survey Details	71-76
ANNEXURE III	Cost Estimates	77-105
ANNEXURE IV	MoA, Sub Committee Details etc.	106-124



CHAPTER I

INTRODUCTION AND BACKGROUND

1.1 Project Background:

The IWMP –VIII Project is located in Chokpot C&RD Block, South Garo Hills District of Meghalaya. Consisting of one micro-watershed, the project area is drained by the Rongasi River and its tributaries flowing in the north-south direction. The total geographical area of the project is 2113 ha, and total area to be treated under the Integrated Watershed Management Programme (IWMP-VIII) is 2040 ha.

The Project area is located at a distance of about 10 km from Chokpot C&RD Block and about 63 km from Baghmara . The total number of villages covered under the project is 4 (four) nos. They are –

Name of Villages	Name of Micro Watershed
1) Chiringmagre 2) Rongru Asim 3) Rongasigre 4) Rongru watregre	Rongasi M/W

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 2113 hectares and the total area for treatment under the Integrated Watershed Management Programme (IWMP-VIII) is only 2040 hectares.

1.3 Need and Scope for Watershed Development:

The IWMP-VIII 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 77 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 for long distance in search of 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

2.1 Location: The Project area is located under the Chokpot C&RD Block, South Garo Hills District. It is situated at a distance of about 10 km from Chokpot C&RD Block and 63 km from the Headquarter of South Garo Hills Baghmara. The Geographical location is between $90^{\circ} 24' 11''$ to $90^{\circ} 26' 33''$ E Longitude and $25^{\circ} 22' 15''$ to $25^{\circ} 26' 22''$ N Latitude. There are 4 (four) villages in the Watershed i.e 1. Chiringmagre 2. Rongru Asim 3. Rongasigre 4. Rongru watregre.

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. Rongasi Micro Watershed	Rongasi River	Moderately Sloping

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

2.4 Soil: The soils are ranging from sandy loam skeletal to loamy types in texture with p^H 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 VIII	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 cold throughout the winter. The area on the higher reaches is warm during summer and cold during winter. The average annual rainfall is 4000 mm.

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

1	2	3	4	5	6	7		8	9	
Sl. No.	Name of State	Name of the Agro-climatic zone	Area (in ha)	Names of the districts	Names of the Projects	Major soil types		Average annual rainfall in mm (preceding 5 years' average)	Major crops	
						a) Type	b) Area (ha)		a) Name	b) Area (ha)
1	Meghalaya	Southern Slopes and Valley	2040 Ha	South Garo Hills	South Garo Hills – IWMP –VIII	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	2040 Ha	4000 mm	Arecanut	102.88
									Rice (Low land)	4.03
									Rice (Jhum)	25.09
									Chilli	25.09
									Ginger	25.09
									Brinjal	25.09
									Colocassia	25.09
									Tapioca	25.09
									Maize	25.09
									Pumpkin	25.09
									Cowpea	25.09
									Turmeric	25.09
									Cucumber	25.09
									Ash gourd	25.09
									Beans	25.09
								Total		433.08 Ha.

2.6 Agriculture: Agriculture is the primary occupation of the people of the area. The people of Rongasi 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 in the jhum fields are Chilli, Ginger, Rice, Brinjal, Colocassia, Tapioca, Maize etc. Among the Fruit crops they grow Jackfruit, 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

Crops	Area (ha)	Average Yield (Qtl) per ha.	Total Production (Qtl.)
Arecanut	102.88	12	1234.56
Rice (Low land)	4.03	17	68.51
Rice (Jhum)	25.09	15	376.35
Chilli	25.09	5	125.45
Ginger	25.09	25	627.25
Brinjal	25.09	14	351.26
Colocassia	25.09	30	752.7
Tapioca	25.09	26	652.34
Maize	25.09	6	150.54
Pumpkin	25.09	40	1003.6
Cowpea	25.09	15	376.35
Turmeric	25.09	30	752.7
Cucumber	25.09	25	627.25
Ash gourd	25.09	20	501.80
Beans	25.09	15	376.35
Total	433.08	295	7977.01

2.7 Natural Vegetation: The tree species common to the watershed area includes – *Tectona grandis*, *Gmelina arborea*, *Jacrinda mimosifolia* , *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 77nos. with a total population of 406 of which 203 are male and 203 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>
1. <i>Chiringmagre</i>	11	25	22	47	4
2. <i>Rongru Asim</i>	22	62	60	122	5
3. <i>Rongasigre</i>	37	98	101	199	5
4. <i>Rongru watregre</i>	7	18	20	38	5
Total:	77	203	203	406	

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 Chokpot.

2.1.2 *School:* There are 4 L.P Schools (Govt) and 3 U.P (SSA) within the Project Area.

2.1.3 *Electricity:* There is no electricity connected in the four villages of the Project area.

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

2.1.5 *Water Supply:* Drinking water supply system has been provided by the PHE Deptt in 3-villages namely Chiringmagre, Rongru Watregre and Rongasigre but entire population of Rongru Asim village have to depend on springs available in the area to meet the daily requirement.

2.1.6 *Market:* Chokpot market is the nearest market for the local people.

Table 2.5: Infrastructure Status.

1	2	3		4			
Name of District	Name of Project	Parameters:		Status			
South Garo Hills	South Garo Hills- IWMP VIII	(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	Nil					
(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	60
Poultry	543
Cattle	238
Goat	40
Total:	881

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 VIII	(i) Large	-	-			
		(ii) Small	31	31		114.8	144.8
		(iii) Marginal	46	46		172.2	172.2
		(iv) Landless					
		Sub - Total	77	77		287	287

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 VIII	(i) Wasteland/ degraded land	-	-	-	-	-	-	-	-
		(ii) Pastures	-	-	-	-	-	-	-	-
		(iii) Private Agriculture land	4.03 Ha	-	-	-	4.03 Ha.			
		(iv) Village woodlot	-	-	-	-				
		(v) Forest	-	-	-	1204.77 Ha				1288.07 Ha.
		(vi) Village Ponds/ Tanks	-	-	-	.				
		(vii) Community Buildings	-	-	-	.				
		(viii) Weekly Markets	-	-	-	Chokpot				
		(ix) Permanent Markets	-	-	-	Chokpot				
		(x) Temples/ Places of worship	-	-	-	Church- 6 nos.				
		(xi) Others (Pl. specify) Abandoned Jhum Land		-	-	421.73 Ha				421.73 Ha
		Current Jhum Land		-	-	326.17 Ha.				326.17 Ha.
		Total	4.03 Ha	-	-	1952.67 Ha	-	-	-	2040 Ha

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

a) Built-up Area	=	53.42 Ha
b) Agricultural land-crop land-kharif crop	=	4.03 Ha
c) Tree clad Area-close	=	664.39 Ha
d) Tree clad Area-open	=	540.38 Ha
e) Other Shifting Cultivation Current	=	326.17 Ha.
f) Other Shifting Cultivation Abandoned	=	421.73 Ha.
g) <u>Arecanut Plantation</u>	=	<u>102.88 Ha</u>
Total	=	2,113 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 problems is through the Participatory Rural Appraisal Exercises conducted in all the villages within the Project.

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-phys. 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 used. The land use and land cover (LULC) maps were prepared by the North Eastern Space Application Centre (NESAC) using the LISS III images (2006). The activities were located on the field by using GPS and accordingly transferred to the maps on GIS platform.

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

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

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 [#]	No

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

3.2 Project Implementing Agency:

The PIA is the 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 VIII	(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 Rongasi micro- watersheds of IWMP-Project VIII was constituted with the active involvement of the villagers with strong support of the Traditional Institutions (Village Nokma/Council). The Watershed Committees of IWMP-Project VIII 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 – VIII	Rongasi	Yet to be Registered	Chairman	M	-	ST		1							Class-IX	A to I
				Secretary	M	-	ST							1	HSSLC	A to I	
				Member	11 M	-	ST	4	7		5	6				Class: V to X	Do
				Member	2 F	-	ST		2			2					Do
				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 VIII			1	-	(i) Landless									
						(ii) SF	4	2	6	4	2	6	4	2	6
						(iii) MF	2	2	4	2	2	4	2	2	4
						(iv) LF									
						Total			10			10			10

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-VIII					(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-VIII	12.24	Spring Chamber with Water Storage Tank	

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 agreements
1 no. W/C and 1 no. of watershed association	5 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 ³)	Estimated cost		
South Garo Hills – IWMP VIII	(i) Tank	-	-	-	-	-	-	-	8 Nos.	-	-	12.24	8	-	-	12.24
	(ii) Pond	-	-	-	-	-	-	-	24 Nos.	-	-	36.00	24 Nos	-	-	36.00
	(iii) Lake	-	-	-	-	-	-	-	-	-	-	-	-	--	-	-
	(iv) Check Dam	-	-	-	-	-	-	-	9 Nos.	-	-	25.20	9 Nos.	-	-	25.2
	(v) Percolation Tank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	(vi) Diversion Channel	-	-	-	-	-	-	-	292 Rm	-	-	4.46	292 Rm	-	-	4.46
	(vii) Any others (please specify)															
	Protection wall	-	-	-	-	-	-	-	13 Nos.	-	-	32.50	13 Nos.	-	-	32.50
	Water Harvesting structure	-	-	-	-	-	-	-	11 Nos.	-	-	33.00	11 Nos.	-	-	33.00
Total					-	-	-	-	65 Nos. & 292 Rm	-	-	143.40	65 Nos. & 292 Rm	-	-	143.40

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-VIII	(i)Open wells		Nil		Nil			Nil		Nil	
	(ii)Bore wells										
	(iii)Any others (Pl. specify) 1 Dug Out Pond 2 Water Harvesting						24 11		- -		36.00 33.00
	Total for the project						35		69.00		69.00

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 consists 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 executed by User Groups 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.

4.2.7 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)
SGHIWMP - VIII	190 Ha	17.84 lakh	57 nos.	131.16 lakh	98.80 ha.	8.78 lakh	-	-	-	-	-	-	148 units	20.64 lakhs	54 Units	8.10 lakhs	-	-	281 Units	27.50 Lakhs	288.80 ha.	214.02 lakhs

4.2.8 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 -VIII	Staggered trenching												
	Loose boulder Contour bund												
	Graded bunding												
	Protection wall		D	L	P	C	13 Nos.	13.00	19.50		32.50	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	9 Nos.	10.08	15.12		25.20	2015-16		
2.Water Harvesting				P	C	11 Nos.	13.20	19.80		33.00	2015-16		

4.2.10 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)	Estimated cost (Rs. in lakh)	Expected month & year of completion (mm/ yyyy)
South Garo Hills IWMP-VIII	Afforestation	✓				✓		190	17.84	2015-16
	Regeneration									
	Agro-forestry									
	Fuel wood									
	Fodder									
	Agro- Horticulture			✓		✓		180	15.48	2015-16
	Pasture dev.									
	Nursery raising				✓			98.80	8.78	2015-16
	Others									

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

4.2.12 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-VIII	Carpentry			28 units	1.4	2015-16
	Bee keeping(Apiculture)			32 units	2.56	2015-16
	Poultry			79 units	9.84	2015-16
	Pisciculture			54 units	8.10	2015-16
	Piggery Farming			69 units	10.80	2015-16
	Compost pit			40 units	1.0	2015-16
	Kitchen gardening			41 units	1.23	2015-16
	Tailoring			32 units	2.56	2015-16
	Agricultural implements			36 units	1.80	2015-16
	Weaving			62 units	11.95	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			
				Nos./Target area under the activity (ha)	Estimated expenditure (Rs.)	Expected no. of beneficia-ries	Estimated contri-bution to WDF (Rs.)
South Garo Hills-IWMP-VIII	1.Chiringmagre 2.Rongru Asim 3.Rongasigre 4.Rongru watregre	a) Protection Wall/Retaining Wall b) Water Harvesting structure c) CC Check Dam	a) Protection Wall/Retaining Wall b) Water Harvesting structure c) CC Check Dam	27 Nos.	8.18	77	0.409

CHAPTER V
ACTION PLAN OF IWMP PROJECT - VIII

ACTION PLAN OF INTEGRATED WATERSHED MANAGEMENT PROGRAMME-IWMP-VIII

Name of Watershed	Rongasi Micro Watershed
Name of District:	South Garo Hills
Name of C&RD Block:	Chokpot

Name of Villages	Rongasigre, Watregre, Rongru Asimgre, Chiringmagre
Total No. of Household	
Total Area to be treated	2040 Ha
Total Project Cost	306 Lakh

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
I	MANAGEMENT COST 10 %			2 %		5 %		3 %				10 %	
A	Administration Cost												
i	Honourarium of WDT Members @ Rs. 15,000 Month: 1 No.			22 Mnths	3.30	22 Mnths	3.300	16 Mnths	2.400			60 Mnths	9.00
ii	Honourarium of Watershed Volunteers @ Rs 2,500 Month-2 Nos			8 Mnths	0.40	26 Mnths	1.300	26 Mnths	1.300			60 Mnths	3.00
iii	Honourarium WCO's @ Rs. 2500 Months			8 Mnths	0.20	26 Mnths	0.650	26 Mnths	0.650			60 Mnths	1.50
iv	Honourarium Chartered Accountant				0.30		0.300		0.300				0.90
v	TA/DA of Field Asstt. @ Rs. 8000 Months			2 Mnths	0.16	46 Mnths	3.680	12 Mnths	0.960			60 Mnths	4.80
vi	Hiring charges of office building @ Rs 3500			6 Mnths	0.21	38 Mnths	1.330	16 Mnths	0.560			60 Mnths	2.10
vii	Hiring charges of vehicle @ Rs. 4000			2 Mnths	0.08	46 Mnths	1.840	12 Mnths	0.480			60 Mnths	2.40
viii	Office expenses, PQL, Stationeries, printing of SHG's books, pamphlets, tea, snacks etc.				1.47		2.900		2.530				6.90
	Total of A			48 Mnths	6.12	204 Mnths	15.300	108 Mnths	9.180			360 Mnths	30.60
	PREPARATORY PHASE 4 %	4 %										4 %	
B	Entry Point Activites:												
i	Spring Chamber with Water Storage Tank 150000	7 Nos	10.50									7 Nos.	10.500
ii	Spring Chamber with Water Storage Tank 174000	1 No.	1.74									1 No.	1.740
	Total of B	8 Nos	12.24									8 Nos.	12.240

C	Institution & Capacity Building	5 %		1 %		2 %		1 %		1 %		5 %		
i	Community Organization	2 Nos	1.00	2 Nos.	1.00							4 Nos.	2.00	
ii	Training of WDT at NIRD/ Guwahati			5 Nos.	1.50	3 Nos.	0.700	3 Nos.	0.700			11 Nos.	2.90	
iii	Training for W.C	2 Nos	1.50	2 Nos.	1.00	2 Nos.	1.000	2 Nos.	1.000			8 Nos.	4.50	
iv	Training for SHGs			2 Nos.	1.00	1 Nos.	0.500	1 Nos.	0.500			4 Nos.	2.00	
v	Training for Farmers	1 No.	0.56	2 Nos.	1.00	1 Nos.	0.500	1 Nos.	0.500			5 Nos.	2.56	
vi	Training for Ugs			2 Nos.	0.62	1 Nos.	0.360	1 Nos.	0.360			4 Nos.	1.34	
	Total of C	5 Nos	3.06	15 Nos	6.12	8 Nos	3.060	5 Nos	3.060			36 Nos.	15.30	
D	Detailed Project Report	1 %		1 %								1 %		
i	1 No. of vehicle hiring charge	30 Days	1.00									30 Days	1.000	
ii	Detail Base Line Survey, Identification of Engineering Structures, PRA Exercise, Making Estimate & Project Report etc.		2.06										2.060	
	Total of D	30 Days	3.06									30 Days	3.060	
E	Monitoring & Evaluation	2 %		0.5 %		1 %		0.5 %				2 %		
i	Monitoring			1 No.	0.612	1 No.	1.530	1 No.	0.918			3 Nos	3.06	
ii	Evaluation			1 No	0.918	1 No.	1.530	1 No.	0.612			3 Nos	3.06	
	Total of E			2 Nos.	1.530	2 Nos	3.060	2 Nos.	1.530			6 Nos	6.12	
	Total of I (A to E)	13 Nos	18.36	48 Mnths	17 Nos.	13.77	204 Mnths	10 Nos.	21.420	108 Mnths	7 Nos.	13.77	360 Mnths	47 Nos.
		30 Days											30 Days	67.32
II	PROJECT COST/ WATERSHED WORKS PHASE			7.5 %		37 %		11.5 %				56 %		
A.	Non-Arable Land Treatment	56 %												
i	Nursery Establishment-Arecanut 80 Ha. @ Rs. 8,600 / No.			20 Ha.	1.720	45 Ha	3.870	15 Ha	1.290			80 Ha	6.88	
ii	Afforestation (Non Pine) 100 Ha @ 10,100 /-			30 Ha.	3.030	35 Ha	3.535	35 Ha	3.535			100 Ha	10.10	
iii	Rubber Plantation 90 Ha @Rs. 8,600 /-			35 Ha	3.010	35 Ha	3.010	20 Ha	1.720			90 Ha	7.74	
iv	Black Pepper Plantation 60 Ha. @ 8,600 /- per Ha			15 Ha	1.290	30 Ha	2.580	15 Ha	1.290			60 Ha	5.16	
v	Mango Plantation 60 Ha. @ Rs. 8,600 /- per Ha			15 Ha	1.290	30 Ha	2.580	15 Ha	1.290			60 Ha	5.16	
vi	Coconut Plantation 60 Ha. @ Rs. 8,600 /- per Ha					30 Ha	2.580	30 Ha	2.580			60 Ha	5.16	
	Total of A			115 Ha.	10.340	205 Ha	18.155	130 Ha	11.705			450 Ha.	40.20	

B	Drainage Line Treatment												
i	Protect/ Retaining Wall @ Rs. 2,50,000			1 No.	2.500	8 Nos.	20.000	4 Nos	10.000			13 Nos.	32.50
ii	Water Harvesting Structure @ Rs. 3,00,000			1 No.	3.000	8 Nos.	24.000	2 Nos	6.000			11 Nos.	33.00
iii	C.C Check Dam @ Rs. 2,80,000			1 No.	2.800	7 Nos.	19.600	1 No	2.800			9 Nos.	25.20
iv	Small Dug-out Pond Rs. 1,50,000			2 Nos.	3.000	20 Nos.	30.000	2 Nos	3.000			24 Nos.	36.00
v	Run-off Disposal/ Diversion Channel as per Estimate			79 Rm	1.310	133 Rm.	1.465	80 Rm	1.685			292 Rm.	4.46
	Total of B			5 Nos. 79 Rm	12.610	43 Nos. 133 Rm.	95.065	9 Nos. 80 Rm	23.485			57 Nos 292 Rm.	131.16
	Total of A+ B	56 %		79 Rm 115 Ha. 5 Nos.	22.950	133 Rm. 205 Ha 23 Nos.	113.22	80 Rm 130 Ha 9 Nos.	35.190			292 Rm. 320 Ha. 57 Nos	171.36
C	Livelihood Activities	9 %			1 %		3 %		5 %				9 %
	for the asset less persons												
i	Tailoring @ Rs 8000 /- Unit			8 Units	0.640	15 Units	1.200	9 Units	0.720			32 Units	2.560
ii	Carpentry @ Rs 5000 /- Unit			4 Units	0.200	4 Unit	0.200	20 Units	1.000			28 Units	1.400
iii	Kitchen Gardening @ Rs 3000 /- Unit			5 Units	0.150	12 Units	0.360	24 Units	0.720			41 Units	1.230
iv	Weaving @ Rs 12500 /- Unit			2 Units	0.250	16 Units	2.000	20 Units	2.500			38 Units	4.750
v	Piggery @ Rs 8000 /- Unit			5 Units	0.400	20 Units	1.600	20 Units	1.600			45 Units	3.600
vi	Poultry @ Rs 8000 /- Unit			5 Units	0.400	18 Units	1.440	40 Units	3.200			63 Units	5.040
vii	Apiculture @ Rs 8000 /- Unit			4 Units	0.320	6 Units	0.480	22 Units	1.760			32 Units	2.560
viii	Pisciculture @ Rs 10000 /- Unit			4 Units	0.400	8 Units	0.800	24 Units	2.400			36 Units	3.600
ix	Compost Pit @ Rs 2500 /- Unit			6 Units	0.150	14 Units	0.350	20 Units	0.500			40 Units	1.000
x	Agricultural implements @ Rs 5000 /- Unit			3 Unit	0.150	15 Unit	0.750	18 Units	0.900			36 Units	1.800
	Total of C			46 Units	3.060	128 Units	9.180	217 Units	15.300			391 Units	27.540
D	Production System	6,120 %			1 %		3 %		6 %				10 %
i	Piggery @ Rs 30,000 /- Unit			3 Units	0.900	9 Units	2.700	12 Units	3.600			24 Units	7.200
ii	Poultry @ Rs 30,000 /- Unit			3 Units	0.900	2 Units	0.600	11 Units	3.300			16 Units	4.800
iii	Weaving/Handloom @ Rs 30,000 /- Unit			2 Units	0.600	9 Units	2.700	13 Units	3.900			24 Units	7.200
iv	Betel Nut Processing @ Rs 50,000 /- Unit					3 Units	1.500	7 Units	3.500			10 Units	5.000
v	Pisciculture @ Rs 25,000 /- Unit					4 Units	1.000	14 Units	3.500			18 Units	4.500
vi	Nursery Raising (Forest Species)			6.53 Ha.	0.660	6.73 Ha.	0.680	5.54 Ha.	0.560			18.80 Ha.	1.900
	Total of D			8.0 Units 6.53 Ha.	3.060	27 Units 6.73 Ha.	9.180	57 Units 5.54 Ha.	18.360			92 Units 18.80 Ha.	30.600

E	Consolidation & Exit Phase	3 %							3 %	3 %		
i	Repairing of Protection/ Retaining Wall								9 Nos.	2.680	9 Nos.	2.680
ii	Repairing of Water Harvesting Structure								8 Nos.	2.500	8 Nos.	2.500
iii	Repairing of C.C Check Dam								10 Nos.	3.000	10 Nos.	3.000
v	Preparation of Project Completion Report								1 No.	0.500	1 No.	0.500
vi	Documentation of the Project								1 No.	0.500	1 No.	0.500
	Total of E								29 Nos.	9.180	29 Nos.	9.180
	Total of II (A+B+C+D+E)				29.070		131.580		68.850		9.180	238.680
	Grand Total		18.36		42.840		153.00		82.620		9.180	306.00
		25,090 %	6 %		14 %		50 %		27 %		3 %	100 %


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 South Garo Hills, Meghalaya


 Deputy Commissioner & Chairman of
 WCDC
 Chairman
 District Watershed Cell
 cum Data Centre
 South Garo Hills, Meghalaya.

VILLAGE PLAN
OF
RONGASI MICRO-WATERSHED
UNDER
IWMP PROJECT - VIII

VILLAGE PLAN OF CHIRINGMAGRE UNDER -IWMP-VIII

Name of Watershed	Rongasi Micro Watershed
Name of District:	South Garo Hills
Name of C&RD Block:	Chokpot

Name of Villages	Chiringmagre
Total No. of Household	11

Sl No.	Activities	1st Year		2nd Year		3rd Year		4th Year		5th Year		Total	
		Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14
I	PREPARATORY PHASE												
	Entry Point Activities:												
i	Spring Chamber with Water Storage Tank 150000	2 Nos.	3.00									2 Nos.	3.00
	Total of B	2 Nos	3.00									2 Nos.	3.00
II	PROJECT COST/ WATERSHED WORKS PHASE												
A.	Non-Arable Land Treatment												
i	Nursery Establishment-Arecanut 16 Ha. @ Rs. 8,600 / No.			4 Ha.	0.344	9 Ha	0.774	3 Ha	0.258			16 Ha	1.376
ii	Afforestation (Non Pine) 20 Ha@ Rs. 10,100 /-			6 Ha.	0.606	7 Ha	0.707	7 Ha	0.707			20 Ha	2.020
iii	Rubber Plantation 90 Ha @Rs. 8,600 /-			7 Ha	0.602	7 Ha	0.602	4 Ha	0.344			18 Ha	1.548
iv	Black Pepper Plantation 12 Ha. @ Rs. 8,600 /- per Ha			3 Ha	0.258	6 Ha	0.516	3 Ha	0.258			12 Ha	1.032
v	Mango Plantation 12 Ha. @ Rs. 8,600 /- per Ha			3 Ha	0.258	6 Ha	0.516	3 Ha	0.258			12 Ha	1.032
vi	Coconut Plantation 12 Ha. @ Rs. 8,600 /- per Ha					6 Ha	0.516	6 Ha	0.516			12 Ha	1.032
	Total of A			23 Ha.	2.068	41 Ha	3.631	26 Ha	2.341			90 Ha.	8.040
B	Drainage Line Treatment												
i	Protect/ Retaining Wall @ Rs. 2,50,000					2 Nos.	5.00	1 No	2.50			3 Nos.	7.50
ii	Water Harvesting Structure @ Rs. 3,00,000					2 Nos.	6.00	1 No	3.00			3 Nos.	9.00
iii	C.C Check Dam @ Rs. 2,80,000			1 No.	2.80	2 Nos.	5.60		-			3 Nos.	8.40
iv	Small Dug-out Pond Rs. 1,50,000					4 Nos.	6.00	1 No	1.50			5 Nos.	7.50
v	Run-off Disposal/ Diversion Channel as per Estimate							82 Rm	0.8425			82 Rm.	0.843
	Total of B			1 No.	2.80	10 Nos.	22.60	3 Nos. 82 Rm	7.8425			14 Nos 82 Rm.	33.243
	Total of A+ B %			23 Ha. 1 No.	4.868	41 Ha 6 Nos.	26.231	82 Rm 26 Ha 3 Nos.	10.18350			82 Rm. 64 Ha. 14 Nos	41.283

Rs. in Lakh

C	Livelihood Activities												
	for the asset less persons												
i	Tailoring @ Rs	8000 /- Unit		2 Units	0.16	3 Units	0.24	2 Units	0.16			7 Units	0.56
ii	Carpentry @ Rs	5000 /- Unit		1 Unit	0.05	1 Unit	0.05	4 Units	0.20			6 Units	0.30
iii	Kitchen Gardening @ Rs	3000 /- Unit		1 Unit	0.03	3 Units	0.09	6 Units	0.18			10 Units	0.30
iv	Weaving @ Rs	12500 /- Unit		1 Unit	0.125	4 Units	0.50	5 Units	0.625			10 Units	1.25
v	Piggery @ Rs	8000 /- Unit		1 Unit	0.08	5 Units	0.40	4 Units	0.32			10 Units	0.80
vi	Poultry @ Rs	8000 /- Unit		1 Unit	0.08	3 Units	0.24	8 Units	0.64			12 Units	0.96
vii	Apiculture @ Rs	8000 /- Unit		2 Units	0.16	1 Unit	0.08	5 Units	0.40			8 Units	0.64
viii	Pisciculture @ Rs	10000 /- Unit		1 Unit	0.10	2 Units	0.20	5 Units	0.50			8 Units	0.80
ix	Compost Pit @ Rs	2500 /- Unit		1 Unit	0.025	3 Units	0.075	4 Units	0.10			8 Units	0.20
x	Agricultural implements @ Rs	5000 /- Unit		2 Unit	0.10	4 Units	0.20	2 Units	0.10			8 Units	0.40
	Total of C			13 Units	0.91	29 Units	2.075	45 Units	3.225			87 Units	6.21
D	Production System												
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	1 Unit	0.30	2 Units	0.60			4 Units	1.20
iii	Weaving/Handloom @ Rs	30,000 /- Unit			-	2 Units	0.60	2 Units	0.60			4 Units	1.20
iv	Betel Nut Processing @ Rs	50,000 /- Unit				2 Units	1.00	2 Units	1.00			4 Units	2.00
v	Pisciculture @ Rs	25,000 /- Unit				2 Units	0.50	3 Units	0.75			5 Units	1.25
vi	Nursery Raising (Forest Species)				0.165		0.17		0.14				0.475
	Total of D			2 Units	0.765	9 Units	3.17	12 Units	3.99			23 Units	7.925
	Grand Total		3.00		6.543		31.476		17.3985				58.4175



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VILLAGE PLAN OF WATREGRE UNDER -IWMP-VIII

Name of Watershed	Rongasi Micro Watershed
Name of District:	South Garo Hills
Name of C&RD Block:	Chokpot

Name of Villages	Watregre
Total No. of Household	7

Sl No.	Activities	1st Year		2nd Year		3rd Year		4th Year		5th Year		Total	
		Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin	Phy	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	14
I	PREPARATORY PHASE												
	Entry Point Activites:												
i	Spring Chamber with Water Storage Tank 150000	2 Nos.	3.00									2 Nos.	3.00
	Total of B	2 Nos	3.00									2 Nos.	3.00
II	PROJECT COST/ WATERSHED WORKS PHASE												
A.	Non-Arable Land Treatment												
i	Nursery Establishment-Arecanut 8 Ha. @ Rs. 8,600 / No.			2 Ha.	0.172	4.5 Ha	0.387	1.5 Ha	0.129			8 Ha	0.688
ii	Afforestation (Non Pine) 10 Ha@ Rs. 10,100 /-			3 Ha.	0.303	3.5 Ha	0.3535	3.5 Ha	0.3535			10 Ha	1.01
iii	Rubber Plantation 9 Ha @Rs. 8,600 /-			3.5 Ha	0.301	3.5 Ha	0.301	2 Ha	0.172			9 Ha	0.774
iv	Black Pepper Plantation 6 Ha. @ Rs. 8,600 /- per Ha			1.5 Ha	0.129	3 Ha	0.258	1.5 Ha	0.129			6 Ha	0.516
v	Mango Plantation 6 Ha. @ Rs. 8,600 /- per Ha			1.5 Ha	0.129	3 Ha	0.258	1.5 Ha	0.129			6 Ha	0.516
vi	Coconut Plantation 6 Ha. @ Rs. 8,600 /- per Ha					3 Ha	0.258	3 Ha	0.258			6 Ha	0.516
	Total of A			11.5 Ha.	1.034	20.5 Ha	1.8155	13 Ha	1.1705			45 Ha.	4.02
B	Drainage Line Treatment												
i	Protect/ Retaining Wall @ Rs. 2,50,000					1 No.	2.50	1 Nos	2.50			2 Nos.	5.00
ii	Water Harvesting Structure @ Rs. 3,00,000					2 Nos.	6.00					2 Nos.	6.00
iii	C.C Check Dam @ Rs. 2,80,000					1 No.	2.80	1 No	2.80			2 Nos.	5.60
iv	Small Dug-out Pond Rs. 1,50,000			1 No.	1.5	4 Nos.	6.00					5 Nos.	7.50
v	Run-off Disposal/ Diversion Channel as per Estimate							80 Rm	0.8425			80 Rm.	0.843
	Total of B			1 No.	1.5	8 Nos.	17.30	2 Nos. 80 Rm	6.1425			11 Nos 80 Rm.	24.943
	Total of A+ B %			12 Ha. 1 Nos.	2.534	20.5 Ha 4 Nos.	19.1155	80 Rm 13 Ha 2 Nos.	7.313			80 Rm. 32 Ha. 11 Nos	28.963

Rs. in Lakh

C	Livelihood Activities												
	for the asset less persons												
i	Tailoring @ Rs	8000 /- Unit		2 Units	0.16	2 Units	0.16	2 Units	0.16			6 Units	0.48
ii	Carpentry @ Rs	5000 /- Unit		1 Unit	0.05	1 Unit	0.05	4 Units	0.20			6 Units	0.30
iii	Kitchen Gardening @ Rs	3000 /- Unit		1 Unit	0.03	3 Units	0.09	5 Units	0.15			9 Units	0.27
iv	Weaving @ Rs	12500 /- Unit		1 Unit	0.125	3 Units	0.375	4 Units	0.50			8 Units	1.00
v	Piggery @ Rs	8000 /- Unit		1 Unit	0.08	3 Units	0.24	3 Units	0.24			7 Units	0.56
vi	Poultry @ Rs	8000 /- Unit		1 Unit	0.08	3 Units	0.24	7 Units	0.56			11 Units	0.88
vii	Apiculture @ Rs	8000 /- Unit		1 Unit	0.08	1 Units	0.08	4 Units	0.32			6 Units	0.48
viii	Pisciculture @ Rs	10000 /- Unit		2 Units	0.20	2 Units	0.20	4 Units	0.40			8 Units	0.80
ix	Compost Pit @ Rs	2500 /- Unit		1 Unit	0.025	1 Unit	0.025	2 Units	0.05			4 Units	0.10
x	Agricultural implements @ Rs	5000 /- Unit		1 Unit	0.05	2 Units	0.10	1 Unit	0.05			4 Units	0.20
	Total of C			12 Units	0.88	21 Units	1.56	36 Units	2.63			69 Units	5.07
D	Production System												
i	Piggery @ Rs	30,000 /- Unit		1 Unit	0.30	2 Units	0.60	2 Units	0.60			5 Units	1.50
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		2 Unit	0.60	2 Units	0.60	2 Units	0.60			6 Units	1.80
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	3 Units	0.75			4 Units	1.00
vi	Nursery Raising (Forest Species)				0.165		0.17		0.14				0.475
	Total of D			4 Units	1.365	7 Units	2.42	10 Units	3.19			21 Units	6.975
	Grand Total		3.00		4.779		23.0955		13.133				44.0075



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

VILLAGE PLAN OF RONGRU ASIMGRE UNDER -IWMP-VIII

Name of Watershed	Rongasi Micro Watershed
Name of District:	South Garo Hills
Name of C&RD Block:	Chokpot

Name of Villages	Rongru Asimgre
Total No. of Household	21

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
I	PREPARATORY PHASE												
	Entry Point Activites:												
i	Spring Chamber with Water Storage Tank 150000	2 Nos.	3.00									2 Nos.	3.00
	Total of B	2 Nos	3.00									2 Nos.	3.00
II	PROJECT COST/ WATERSHED WORKS PHASE												
A.	Non-Arable Land Treatment												
i	Nursery Establishment-Arecanut 24 Ha. @ Rs. 8,600 / No.			6 Ha.	0.516	13.5 Ha	1.161	4.5 Ha	0.387			24 Ha	2.064
ii	Afforestation (Non Pine) 30 Ha@ Rs. 10,100 /-			9 Ha.	0.909	10.5 Ha	1.0605	10.5 Ha	1.0605			30 Ha	3.03
iii	Rubber Plantation 27 Ha @Rs. 8,600 /-			10.5 Ha	0.903	10.5 Ha	0.903	6 Ha	0.516			27 Ha	2.322
iv	Black Pepper Plantation 18 Ha. @ Rs. 8,600 /- per Ha			4.5 Ha	0.387	9 Ha	0.774	4.5 Ha	0.387			18 Ha	1.548
v	Mango Plantation 18 Ha. @ Rs. 8,600 /- per Ha			4.5 Ha	0.387	9 Ha	0.774	4.5 Ha	0.387			18 Ha	1.548
vi	Coconut Plantation 18 Ha. @ Rs. 8,600 /- per Ha					9 Ha	0.774	9 Ha	0.774			18 Ha	1.548
	Total of A			34.5 Ha.	3.102	61.5 Ha	5.4465	39 Ha	3.5115			135 Ha.	12.06
B	Drainage Line Treatment												
i	Protect/ Retaining Wall @ Rs. 2,50,000					2 Nos.	5.00	2 Nos	5.00			4 Nos.	10.00
ii	Water Harvesting Structure @ Rs. 3,00,000			1 No.	3.00	2 Nos.	6.00					3 Nos.	9.00
iii	C.C Check Dam @ Rs. 2,80,000					2 Nos.	5.60					2 Nos.	5.60
iv	Small Dug-out Pond Rs. 1,50,000			1 No.	1.50	6 Nos.	9.00					7 Nos.	10.50
v	Run-off Disposal/ Diversion Channel as per Estimate			134 Rm	1.31							134 Rm.	1.31
	Total of B			2 Nos.	5.81	12 Nos.	25.60	2 Nos.	5.00			16 Nos	36.410
				134 Rm		0 Rm.		0 Rm				134 Rm.	
	Total of A+ B			134 Rm		0 Rm.		0 Rm				134 Rm.	
	%			35 Ha.	8.912	61.5 Ha	31.0465	39 Ha	8.5115			96 Ha.	48.470
				2 Nos.		6 Nos.		2 Nos.				16 Nos	

C Livelihood Activities for the asset less persons													
i	Tailoring @ Rs	8000 /- Unit		2 Units	0.16	5 Units	0.40	2 Units	0.16			9 Units	0.72
ii	Carpentry @ Rs	5000 /- Unit		1 Unit	0.05	1 Unit	0.05	6 Units	0.30			8 Units	0.40
iii	Kitchen Gardening @ Rs	3000 /- Unit		1 Unit	0.03	3 Units	0.09	6 Units	0.18			10 Units	0.30
iv	Weaving @ Rs	12500 /- Unit				4 Units	0.50	5 Units	0.625			9 Units	1.125
v	Piggery @ Rs	8000 /- Unit		1 Unit	0.08	5 Units	0.40	5 Units	0.40			11 Units	0.88
vi	Poultry @ Rs	8000 /- Unit		2 Units	0.16	6 Units	0.48	10 Units	0.80			18 Units	1.44
vii	Apiculture @ Rs	8000 /- Unit		1 Unit	0.08	2 Units	0.16	5 Units	0.40			8 Units	0.64
viii	Pisciculture @ Rs	10000 /- Unit		1 Unit	0.10	2 Units	0.20	5 Units	0.50			8 Units	0.80
ix	Compost Pit @ Rs	2500 /- Unit		2 Units	0.05	4 Units	0.10	6 Units	0.15			12 Units	0.30
x	Agricultural implements @ Rs	5000 /- Unit				5 Unit	0.25	7 Units	0.35			12 Units	0.60
Total of C				11 Units	0.71	37 Units	2.63	57 Units	3.865			105 Units	7.205
D Production System													
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						3 Units	0.90			3 Units	0.90
iii	Weaving/Handloom @ Rs	30,000 /- Unit				2 Units	0.60	3 Units	0.90			5 Units	1.50
iv	Betel Nut Processing @ Rs	50,000 /- Unit						2 Units	1.00			2 Units	1.00
v	Pisciculture @ Rs	25,000 /- Unit				1 Unit	0.25	3 Units	0.75			4 Units	1.00
vi	Nursery Raising (Forest Species)				0.165		0.17		0.14				0.475
Total of D				1 Unit	0.465	5 Units	1.62	14 Units	4.59			20 Units	6.675
Grand Total			3.00		10.087		35.2965		16.9665				65.35



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

CHAPTER- VI
CONVERGENCE
OF
RONGASI MICRO-WATERSHED
UNDER
IWMP PROJECT - VIII

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2013-14
UNDER IWMP-VIII**

Name of Project	IWMP VIII
Name of Watershed	Rongasi Micro Watershed
Name of C&RD Block	Chokpot
Name of the District	South Garo Hills
Total No. of Job Card Holder :	73 Household

Total Wage Component @ Rs 117/- per annum in the 1st year	Rs. 1,03,200
Total Wage Component @ Rs 117/- per annum in the 2nd year	Rs. 26,86,800
Total Wage Component @ Rs 117/- per annum in the 3rd year	Rs. 6,43,200
Total Wage Component @ Rs 117/- per annum in the 4th year	Rs. 0
Total Wage Component	Rs. 34,33,200

Sl No.	Activities	Units	PROJECT PERIOD												Total			Mandays to be Generated	
			2013-14			2014-15			2015-16			2016-17			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. 1,50,000 /-	Nos.				6	5,40,000	3,60,000	6	5,40,000	3,60,000				12	10,80,000	7,20,000	18,00,000	9,230
2	Rubber Plantation @ Rs. 8,600 / Ha.	Ha.	20	1,03,200	68,800	30	1,54,800	1,03,200	20	1,03,200	68,800				70	3,61,200	2,40,800	6,02,000	3,087
3	Protection Wall/Retaining Wall @ Rs. 2,50,000 /-	Nos.				4	6,00,000	4,00,000							4	6,00,000	400000	10,00,000	5,128
4	Water Harvesting @ Rs. 3,00,000 /-					4	7,20,000	4,80,000							4	720000	480000	12,00,000	6,153
5	CC Check Dam @ Rs. 2,80,000 /-					4	672000	4,48,000							4	672000	448000	11,20,000	5,743
	Total			1,03,200	68,800	18	26,86,800	17,91,200	6	6,43,200	4,28,800				24	34,33,200	22,88,800	57,22,000	29,341
			20	Ha		30	Ha		20	Ha.				70	Ha.				

Amount Allocated for Coverage for the period 2013-14 to 2016-17

1. Wage Component	Rs	34,33,200.00
2. Material Component	Rs.	22,88,800.00
Grand Total	Rs.	57,22,000.00

Grand Total (Fifty Seven Lakh Twenty Two 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.

Chairman
District Watershed Cell
cum Data Centre
South Garo Hills, Meghalaya.

**CONVERGENCE (VILLAGE PLAN)
OF
DAPSI MICRO WATERSHED
UNDER IWMP - VIII**

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2013-14
UNDER IWMP-VIII**

Name of Watershed	Rongasi Micro Watershed
Name of Village	Chiringmagre
Name of C&RD Block	Chokpot
Name of the District	South Garo Hills
Total No. of Job Card Holder :	11 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. 8,06,700
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
Total Wage Component	Rs. 8,58,300

Sl No.	Activities	Units	PROJECT PERIOD												Total			Mandays to be Generated	
			2013-14			2014-15			2015-16			2016-17			Phy	Financial			Total
			Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial						
				Wages	Material		Wages	Material		Wages	Material		Wages	Material					
1	Small Dug out Pond @ Rs. 1,50,000 /-	Nos.				3	2,70,000	1,80,000							3	2,70,000	1,80,000	4,50,000	2,307
2	Rubber Plantation @ Rs. 8,600 / Ha.	Ha.	5	25,800	17,200	7.5	38,700	25,800	5	25,800	17,200				17.5	90,300	60,200	1,50,500	772
3	Protection Wall/Retaining Wall @ Rs. 2,50,000 /-	Nos.				1	1,50,000	1,00,000							1	1,50,000	100000	2,50,000	1,282
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. 2,80,000 /-					1	168000	1,12,000							1	168000	112000	2,80,000	1,435
	Total			25,800	17,200	6	8,06,700	5,37,800		25,800	17,200				6	8,58,300	5,72,200	14,30,500	7,334
			5	Ha		7.5	Ha		5	Ha.					17.5	Ha.			

Amount Allocated for Coverage for the period 2013-14 to 2016-17

1. Wage Component	Rs	8,58,300.00
2. Material Component	Rs.	5,72,200.00
Grand Total	Rs.	14,30,500.00

Grand Total (Fourteen Lakh Thirty Thousand Five Hundred) only


President
Chiringmagre VEC,
South Garo Hills,
 Village Employment Council
 Chiringmagre
 Chokpot Block,
 South Garo Hills


 Deputy Commissioner
 South Garo Hills,
 Baghmara.


Secretary
Chiringmagre VEC
South Garo Hills
 Secretary
 Village Employment Council
 Chiringmagre
 Chokpot Block,
 South Garo Hills

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2013-14
UNDER IWMP-VIII**

Name of Watershed	Rongasi Micro Watershed
Name of Village	Watregre
Name of C&RD Block	Chokpot
Name of the District	South Garo Hills
Total No. of Job Card Holder :	7 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. 5,36,700
Total Wage Component @ Rs 117/- per annum in the 3rd year	Rs. 2,95,800
Total Wage Component @ Rs 117/- per annum in the 4th year	Rs. 0
Total Wage Component	Rs. 8,58,300

Sl No.	Activities	Units	PROJECT PERIOD												Total			Mandays to be Generated
			2013-14		2014-15		2015-16		2016-17		Total							
			Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial		Phy	Financial		
				Wages	Material		Wages	Material		Wages	Material		Wages	Material		Wages	Material	
1	Small Dug out Pond @ Rs. 1,50,000 /-	Nos.						3	2,70,000	1,80,000				3	2,70,000	1,80,000	4,50,000	2,307
2	Rubber Plantation @ Rs. 8,600 / Ha.	Ha.	5	25,800	17,200	7.5	38,700	25,800	5	25,800	17,200			17.5	90,300	60,200	1,50,500	772
3	Protection Wall/Retaining Wall @ Rs. 2,50,000 /-	Nos.				1	1,50,000	1,00,000						1	1,50,000	100000	2,50,000	1,282
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. 2,80,000 /-					1	168000	1,12,000						1	168000	112000	2,80,000	1,435
	Total			25,800	17,200	3	5,36,700	3,57,800	3	2,95,800	1,97,200			6	8,58,300	5,72,200	14,30,500	7,334
			5	Ha		7.5	Ha		5	Ha				17.5	Ha.			

Amount Allocated for Coverage for the period 2013-14 to 2016-17

1. Wage Component	Rs	8,58,300.00
2. Material Component	Rs.	5,72,200.00
Grand Total	Rs.	14,30,500.00

Grand Total (Fourteen Lakh Thirty Thousand Five Hundred) only

R. K. J.
Gen. Ch. Mareik
President
Rongra Watregre
South Garo Hills
President
Village Employment Council
Watregre
Chokpot Block,
South Garo Hills

10/9
Deputy Commissioner
South Garo Hills,
Baghmara.

D. J. J.
Secretary
Rongra Watregre VEG.
South Garo Hills.
Secretary
Village Employment Council
Watregre
Chokpot Block,
South Garo Hills

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2013-14
UNDER IWMP-VIII**

Name of Watershed	Rongasi Micro Watershed
Name of Village	Rongru Asimgre
Name of C&RD Block	Chokpot
Name of the District	South Garo Hills
Total No. of Job Card Holder :	21 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. 8,06,700
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
Total Wage Component	Rs. 8,58,300

Sl No.	Activities	Units	PROJECT PERIOD										Total			Mandays to be Generated		
			2013-14		2014-15		2015-16		2016-17		Phy	Financial						
			Phy	Financial	Phy	Financial	Phy	Financial	Phy	Financial		Wages	Material	Total				
1	Small Dug out Pond @ Rs. 1,50,000 /-	Nos.			3	2,70,000	1,80,000							3	2,70,000	1,80,000	4,50,000	2,307
2	Rubber Plantation @ Rs. 8,600 / Ha.	Ha.	5	25,800	17,200	7.5	38,700	25,800	5	25,800	17,200			17.5	90,300	60,200	1,50,500	772
3	Protection Wall/Retaining Wall @ Rs. 2,50,000 /-	Nos.			1	1,50,000	1,00,000							1	1,50,000	100000	2,50,000	1,282
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. 2,80,000 /-				1	168000	1,12,000							1	168000	112000	2,80,000	1,435
Total				25,800	17,200	6	8,06,700	5,37,800		25,800	17,200			6	8,58,300	5,72,200	14,30,500	7,334
			5	Ha	7.5	Ha			5	Ha.				17.5	Ha.			

Amount Allocated for Coverage for the period 2013-14 to 2016-17

1. Wage Component	Rs.	8,58,300.00
2. Material Component	Rs.	5,72,200.00
Grand Total	Rs.	14,30,500.00

Grand Total (Fourteen Lakh Thirty Thousand Five Hundred) only


W/Representative,
Rongro Asim V.E.C. (MG.NREGS)
Chokpot Dev. Block
South Garo Hills,
Village Employment Council
Rongru Asimgre
Chokpot Block,
South Garo Hills


Deputy Commissioner
South Garo Hills,
Baghmara.


Secretary,
Rongro Asim V.E.C. (MG.NREGS)
Chokpot Dev. Block
South Garo Hills
Secretary
Village Employment Council
Rongru Asimgre
Chokpot Block,
South Garo Hills

**ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP 2013-14
UNDER IWMP-VIII**

Name of Watershed	Rongasi Micro Watershed
Name of Village	Rongasigre
Name of C&RD Block	Chokpot
Name of the District	South Garo Hills
Total No. of Job Card Holder :	34 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. 5,36,700
Total Wage Component @ Rs 117/- per annum in the 3rd year	Rs. 2,95,800
Total Wage Component @ Rs 117/- per annum in the 4th year	Rs. 0
Total Wage Component	Rs. 8,58,300

Sl No.	Activities	Units	PROJECT PERIOD												Mandays to be Generated				
			2013-14			2014-15			2015-16			2016-17				Total			
			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. 1,50,000 /-	Nos.							3	2,70,000	1,80,000				3	2,70,000	1,80,000	4,50,000	2,307
2	Rubber Plantation @ Rs. 8,600 / Ha.	Ha.	5	25,800	17,200	7.5	38,700	25,800	5	25,800	17,200				17.5	90,300	60,200	1,50,500	772
3	Protection Wall/Retaining Wall @ Rs. 2,50,000 /-	Nos.				1	1,50,000	1,00,000							1	1,50,000	100000	2,50,000	1,282
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. 2,80,000 /-					1	168000	1,12,000							1	168000	112000	2,80,000	1,435
	Total			25,800	17,200	3	5,36,700	3,57,800	3	2,95,800	1,97,200				6	8,58,300	5,72,200	14,30,500	7,334
			5	Ha		7.5	Ha		5	Ha.					17.5	Ha.			

Amount Allocated for Coverage for the period 2013-14 to 2016-17

1. Wage Component	Rs.	8,58,300.00
2. Material Component	Rs.	5,72,200.00
Grand Total	Rs.	14,30,500.00

Grand Total (Fourteen Lakh Thirty Thousand Five Hundred) only


W Representative
Rongasigre V.E.C. (M.G.NREGS)
Chokpot Dev. Block
South Garo Hills.
 Village Employment Council
 Rongasigre
 Chokpot Block,
 South Garo Hills


 Deputy Commissioner
 South Garo Hills,
 Baghmara.


Secretary,
Rongasigre V.E.C. (M.G.NREGS)
Chokpot Dev. Block
South Garo Hills.
 Secretary
 Village Employment Council
 Rongasigre
 Chokpot 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				Area details (ha) (falling within the projects)				
		From	To				Cultivated rainfed area	Cultivated irrigated area	Uncultivated wasteland		Pvt. Agri. Land	Forest land	Community land	Others (pl. specify)	Total area (ha)
									a) Temporary fallow	b) Permanent					
South Garo Hills – IWMP VIII	2012-13	2012-13	2016-17	2040 Ha	306 Lakhs	IWMP-VIII Rongasi	433.08 Ha	Nil	421.73	-	4.03	1204.77	581.84	249.36	2040

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 VIII	275.4 lakhs	30.6 lakhs	NREGS	34.332	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	648.3 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 VIII	State Bank of India, Baghmara Branch	-	Saving	Shri L.N Marak, DS&WCO	Rongasi Watershed Committee	SBI, Baghmara	-	Saving	Chairman W.C, Secretary W.C, Project Leader / WDT

Details of Convergence of IWMP with other Schemes:

	1	2	3	4	5	6	7
Sl. No.	District	Names of projects	Names of Departments with Schemes converging with IWMP	Fund 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 [@]	Level at which decision for convergence was taken ^{\$}
					(a) Structures (b) livelihoods (c) Any other (pl. specify) [#]		
1	South Garo Hills	South Garo Hills – IWMP-VIII	* Community Rural Development Department NREGS	34.33	(a)Dug-out Pond 12 Nos. (b)Rubber Plantation 70 Ha (c)Protection Wall/Retaining Wall 4 Nos. (d) Water Harvesting 4 Nos. (e) CC Check Dam 4 Nos.	-	Block Level & District Level
2							

Note: Chiringmagre, Rongru Asim, Rongasigre & Rongru Watregre Villages

- | | | |
|---|---------------------|------------------------|
| (a) Dug-out pond 12 Nos. | Wages- 10.80 Lakhs; | Material- 7.20 Lakhs; |
| (b) Rubber Plantation 70 Ha. | Wages- 3.612 Lakhs; | Material- 2.408 Lakhs; |
| (c) Protection Wall/Retaining Wall 4 Nos. | Wages- 6.00 Lakhs; | Material- 4.0 Lakhs; |
| (d) Water Harvesting 4 Nos. | Wages- 7.20 Lakhs; | Material- 4.80 Lakhs; |
| (e) CC. Check Dam 4 Nos. | Wages- 6.72 Lakhs; | Material- 4.48 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 [#]	Area(s) of specialization ^{\$}
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)

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

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

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

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

Table 6.2: Capacity Building activities for the 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 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year	
Community	Watershed Management, Forming of UGs etc.	MRDS,Baghmara SIRD, Nongsder, Baghmara Soil	1	1	1	1	-	4
WDTs	GIS, Watershed management etc.	NIRD, Guwahati	1	4	4	2	-	11
WCs	Watershed Management, Livestock Management,Forming of UGs etc.	MRDS,Baghmara SIRD, Nongsder,Bethany Society Tebronggre, Baghmara Soil	2	2	2	1	1	8
SHGs	Watershed Management, Livestock Management Forming of SHGs etc.	MRDS,Baghmara SIRD, Nongsder, Bethany Society Tebronggre, Baghmara Soil	-	1	1	1	1	4
Farmers	Watershed Management, Livestock Management,Agriculture, Horticulture etc.	ICAR/KVK, Tura Baghmara Soil Deptt.of Agri/Horti	-	1	2	2	-	5
UGs	Watershed Management, Forming of UGs etc.	MRDS,Baghmara SIRD, Nongsder, Baghmara Soil	-	1	1	1	1	4
Others Pl. specify)								

Table 6.3: Information, Education & Communication (IEC) activities for the year 2012-13 as on 31/09/2013 (dd/mm/yyyy)*

Sl. No.	1	2	3
	Activity	Executing agency	Estimated expenditure (Rs. in Lakhs)
1.	Distribution of Pamphlets, Translation & Distribution of IWMP Guidelines, Videos Shows of Success Stories/Good Practices etc.	PIA, Bagahmara Soil & water Conservation	2.94

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.	Chiringmagre		100 %	20142	13428	33570		100 %	25	22	47		100 %	21	19	40
2.	Rongru Asim		100%	20142	13428	33570		100%	62	60	122		100%	56	39	95
3.	Rongasigre		100 %	20142	13428	33570		100 %	98	101	199		100 %	72	48	120
4.	Rongru watregre		100%	20142	13428	33570		100%	18	20	38		100%	29	20	49

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 7.5.2 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 7.5.3 Water Use efficiency:

1	2	3			
Name of the project	Name of major crop	Water savings in cu.m.			
		through water saving devices ^{\$}	through water conserving agronomic practices [#]	Any other (pl specify)	Total
SGH-IWMP-VIII				-	-

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

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

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

Table 7.6: Vegetation/ crop related outcomes:

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

1	2	3						4						5					
		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-VIII	Rice (Low land)	-	4.03	-	17	-	68.51	-	6.5	-	17	-	110.5	5	9.5	25	20	125	190
	Rice (Jhum)	-	25.09	-	15	-	376.35	-	15	-	15	-	225	-	7	-	18	-	126
	Chilli	-	25.09	-	5	-	125.45	-	15	-	5	-	75	-	7	-	9	-	63
	Ginger	-	25.09	-	25	-	627.25	-	15	-	25	-	375	-	7	-	29	-	203
	Brinjal	-	25.09	-	14	-	351.26	-	15	-	14	-	210	-	7	-	18	-	126
	Colocassia	-	25.09	-	30	-	752.7	-	15	-	30	-	450	-	7	-	33	-	231
	Tapioca	-	25.09	-	26	-	652.34	-	15	-	26	-	390	-	7	-	29	-	203
	Maize	-	25.09	-	6	-	150.54	-	15	-	6	-	90	-	7	-	8	-	56
	Pumpkin	-	25.09	-	40	-	1003.6	-	15	-	40	-	600	-	7	-	45	-	315
	Cowpea	-	25.09	-	15	-	376.35	-	15	-	15	-	225	-	7	-	19	-	133
	Turmeric	-	25.09	-	30	-	752.7	-	15	-	30	-	450	-	7	-	33	-	231
Cucumber	-	25.09	-	25	-	627.25	-	15	-	25	-	375	-	7	-	28	-	196	
	Ash gourd		25.09		20		501.8		15		20		300		7	-	23	-	161
	Beans		25.09		15		376.35		15		15		225		7	-	18	-	126
	Total		330.2		283		6742.45		201.5		283		4100.5	5	91	25	330	125	2335

Note : The Area of Jhum crops decreases in the Mid- term and Post project because of converting it to Permanent Plantation (Rubber, Arecanut, Coconut, Mango & Black Pepper)).

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

Irri. – Irrigated Rf – Rainfed

Table 7.6.2 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 7.6.3 Details of Zaid crop area and yield in the project areas of the Country: State-wise:

1 Name of Projects	2 Name of crops	3 Pre-project						4 Mid-term						5 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-VIII	Maize	-	25.09	-	6	-	150.54	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 7.6.4 Increase/ Decrease in area under 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 VIII	5 yrs	NA	NA	NA	Nil	Nil	Nil

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

Table 7.6.5 Increase/ Decrease in Forest/vegetation cover:

1	2	3			4		
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-VIII	5 yrs	LULC Map, NESAC, Umiam	2005 - 06	1204.77 Ha	190 Ha	190 Ha	190 Ha

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

Table 7.6.6 Increase/ Decrease in area under horticulture:

1	2	3			4		
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-VIII	5 yrs			102.88	260 Ha	260 Ha	260 Ha

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

Table 7.6.7 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 VIII	-	-	-	-	-	-	-

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

Table 7.7 Livelihood related outcomes:

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

1 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 VIII	Cattle	238	1090800 Kg	10.91 lakh	230	1242000 kg	12.42 lakh	240	1296000 kg	12.96	
	Goat	40	204800 kg	2.05 lakh	135	202500 kg	2.03 lakh	143	214500 kg	2.14	
	Poultry	543	292050 kg	2.92 lakh	1360	306000 kg	3.06 lakh	1523	342675 kg	3.43	
	Piggery	60	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 7.10 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 [#]
South Garo Hills District	SGH-IWMP-VIII	IWMP-VIII Rongasi WC	As per Treatment Plan	306 lakhs	410 lakhs	1 : 1.33

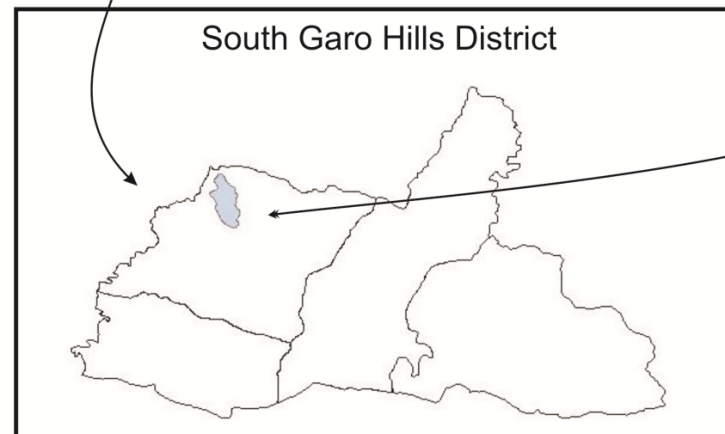
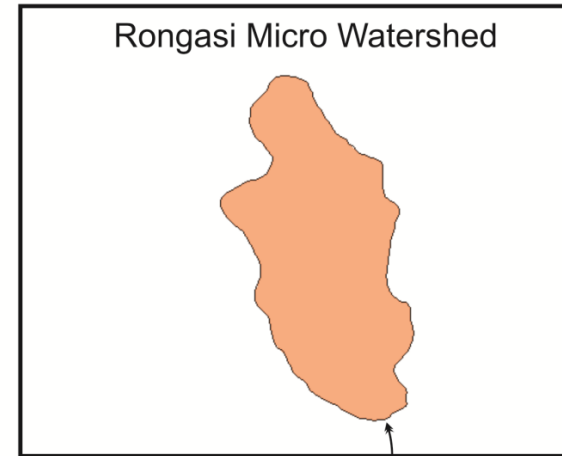
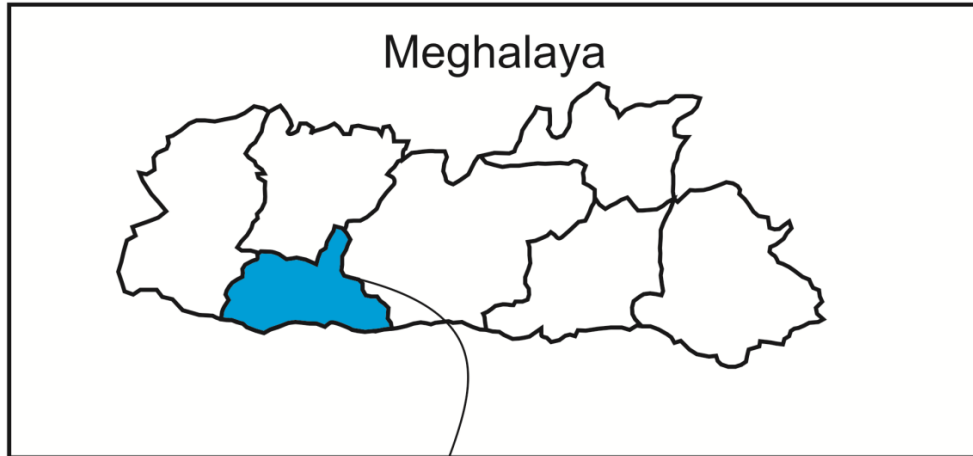
* from column no. 2, total no. of States implementing the programme, from column no. 3, total no. of Districts; from Column no. 4, no. of projects, from column no. 5, no. of WCs, from column no. 6, no. of structures/ activities, from column no. 7 to 10, category-wise# totals, may be mentioned at the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

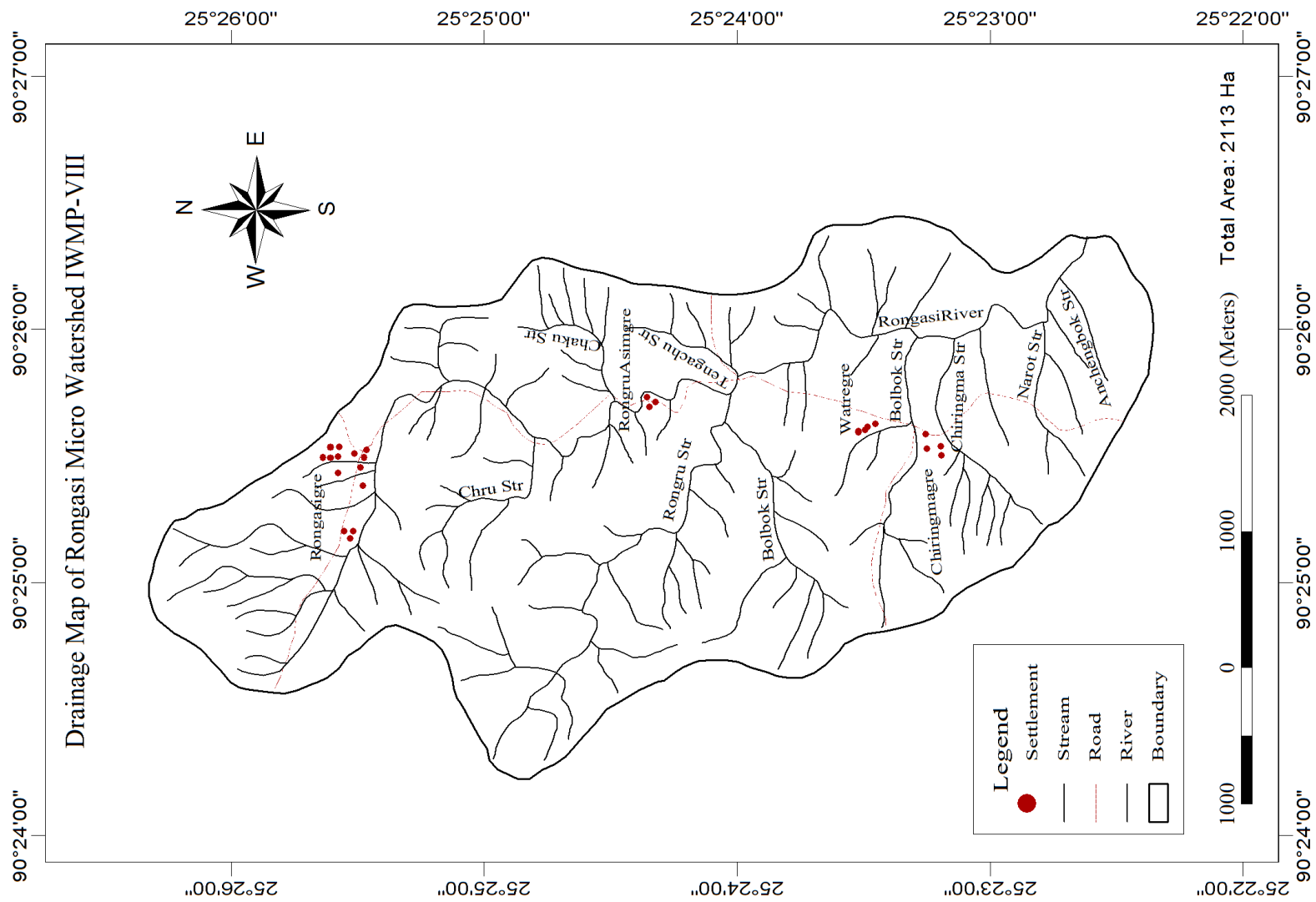
[#] B:C ratio more than 1 – cost effective
less than 1 – Not cost effective

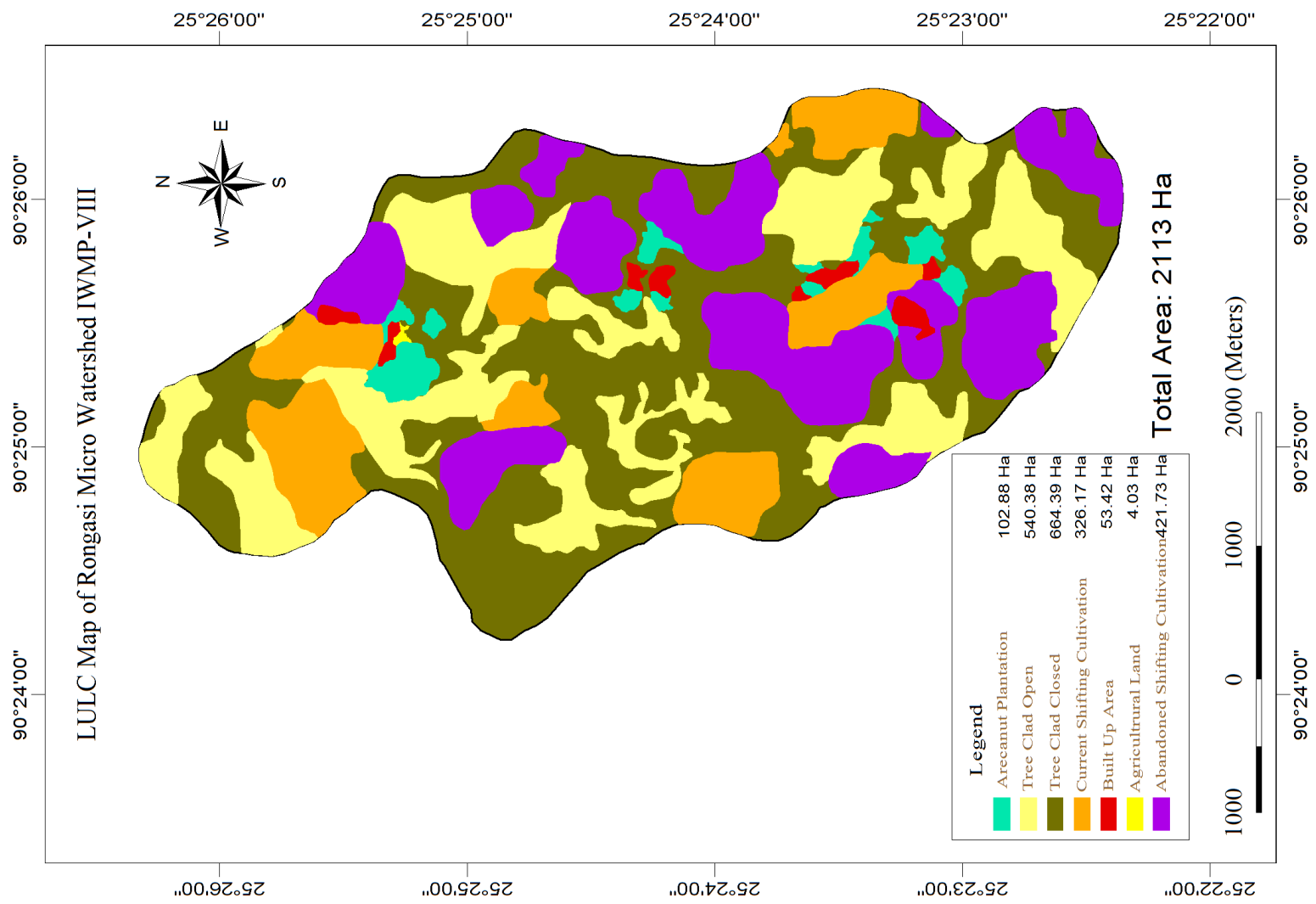
ANNEXURE I

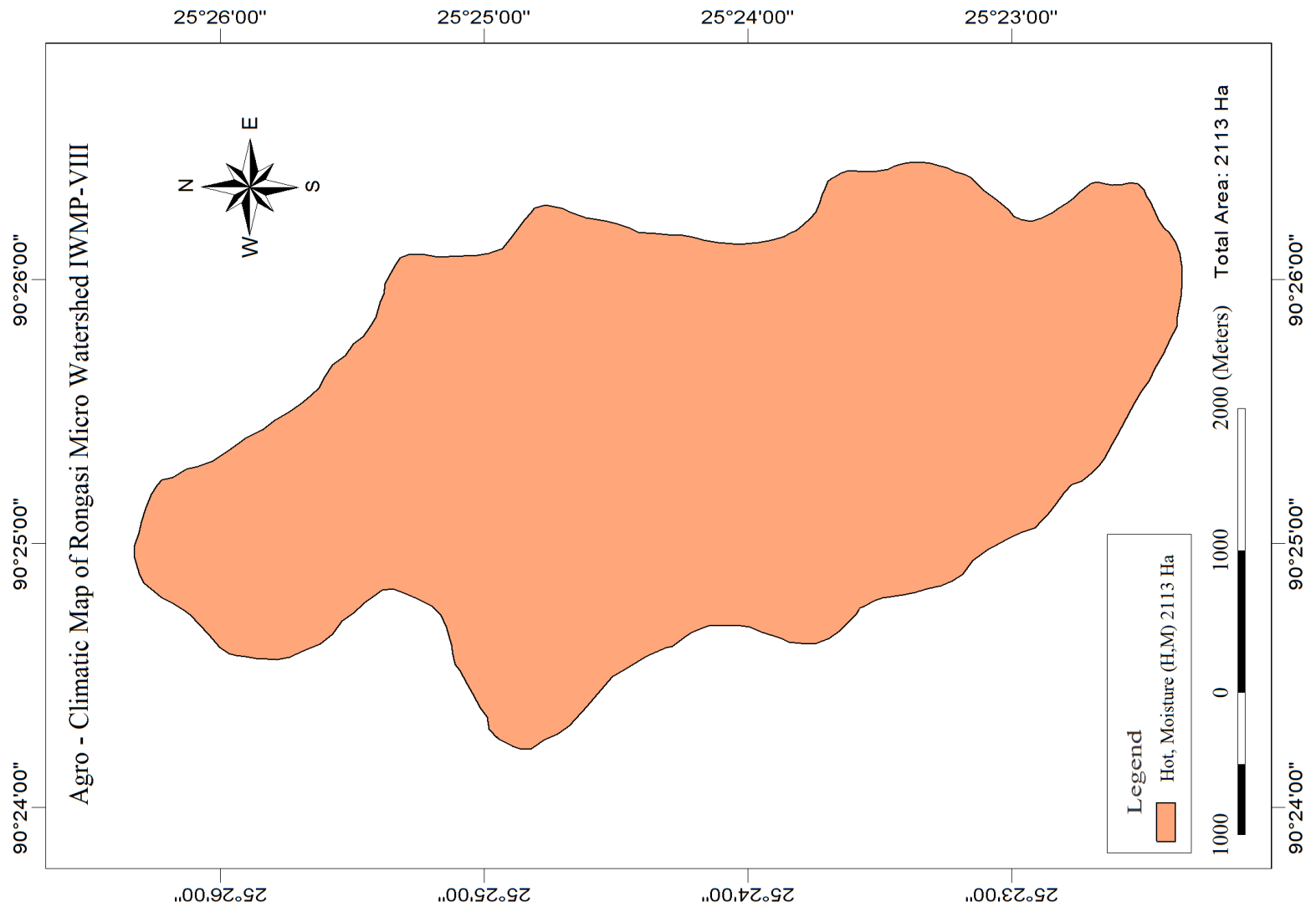
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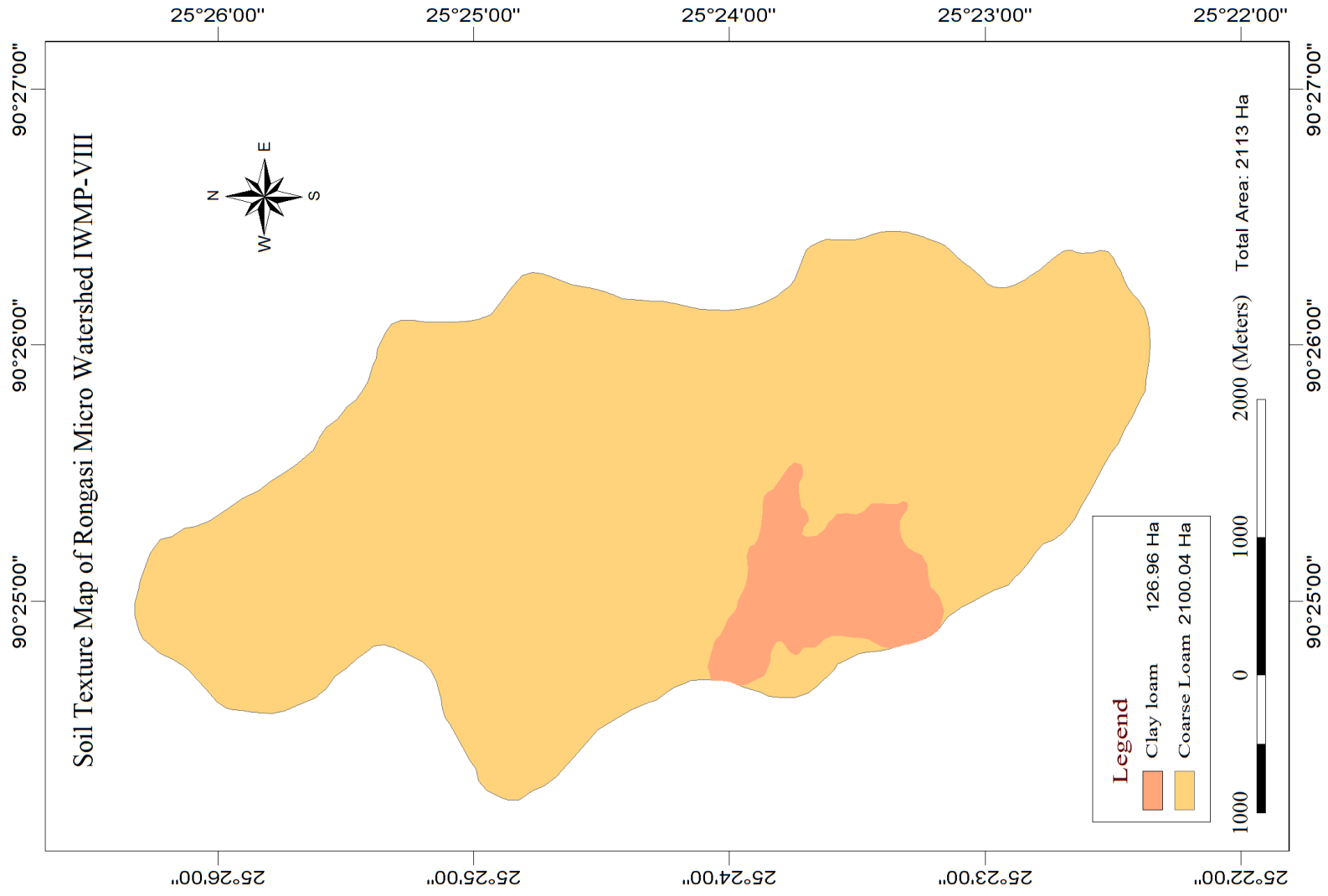
Index Map of Rongasi Micro Watershed IWMP-VIII
South Garo Hills District

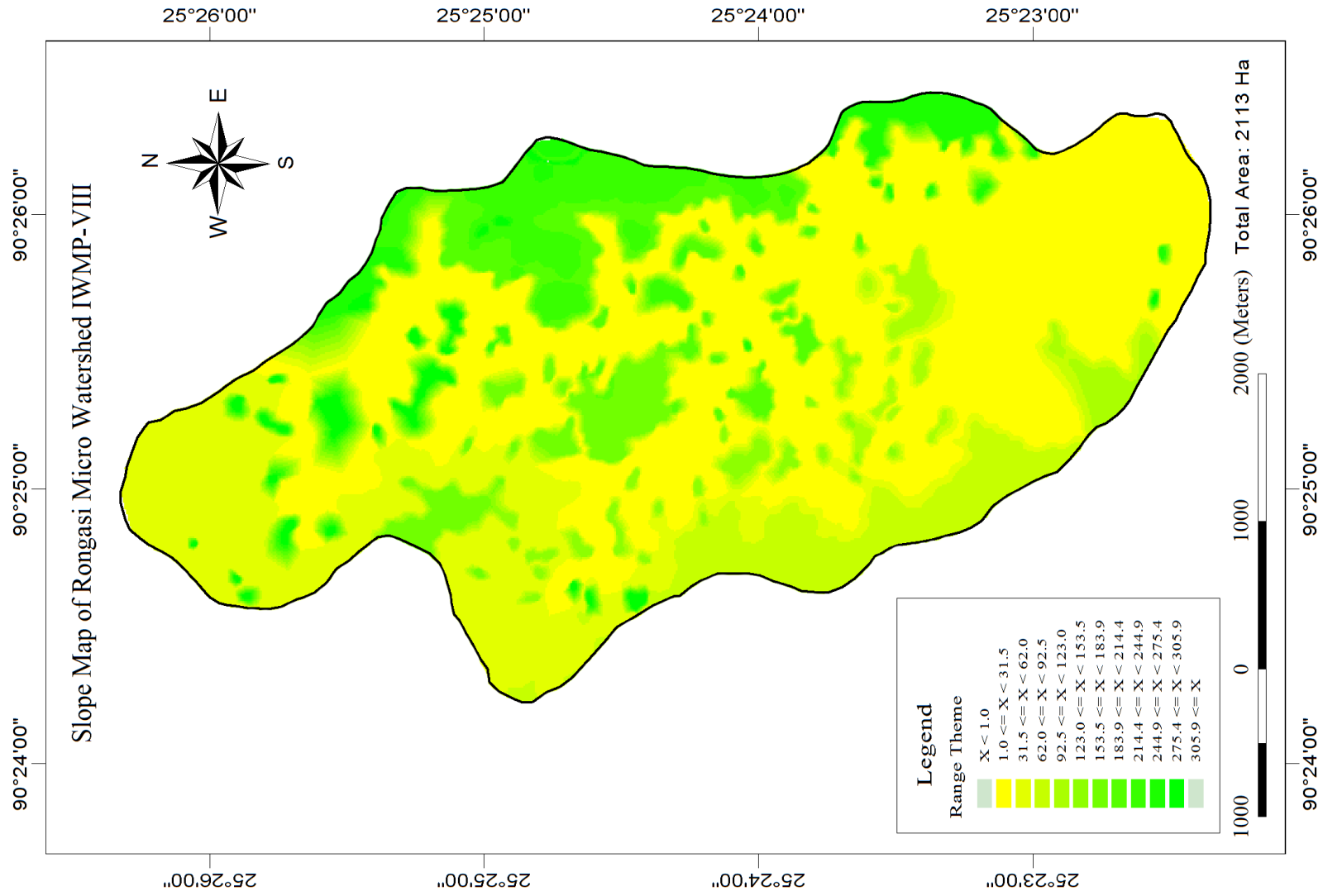


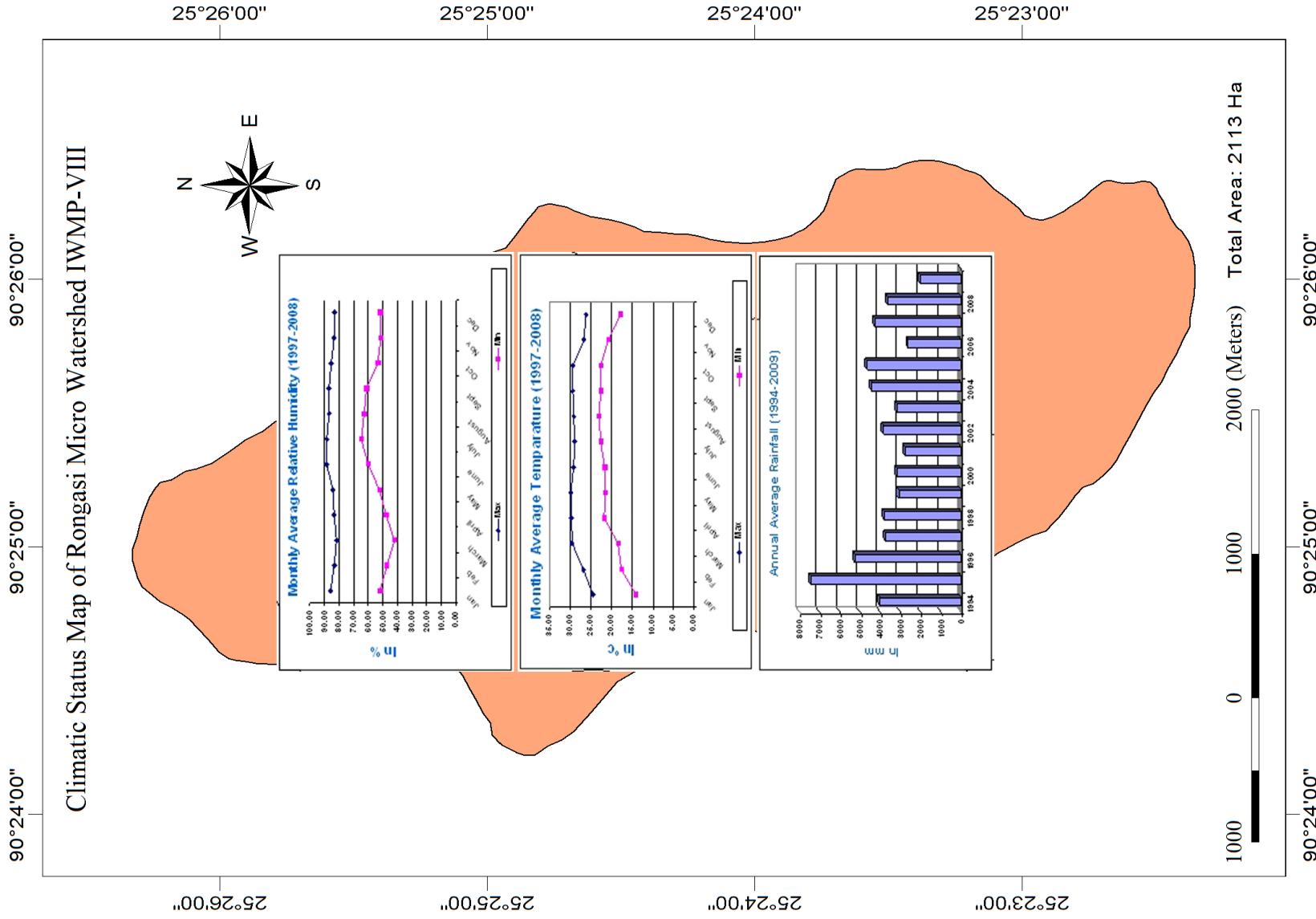


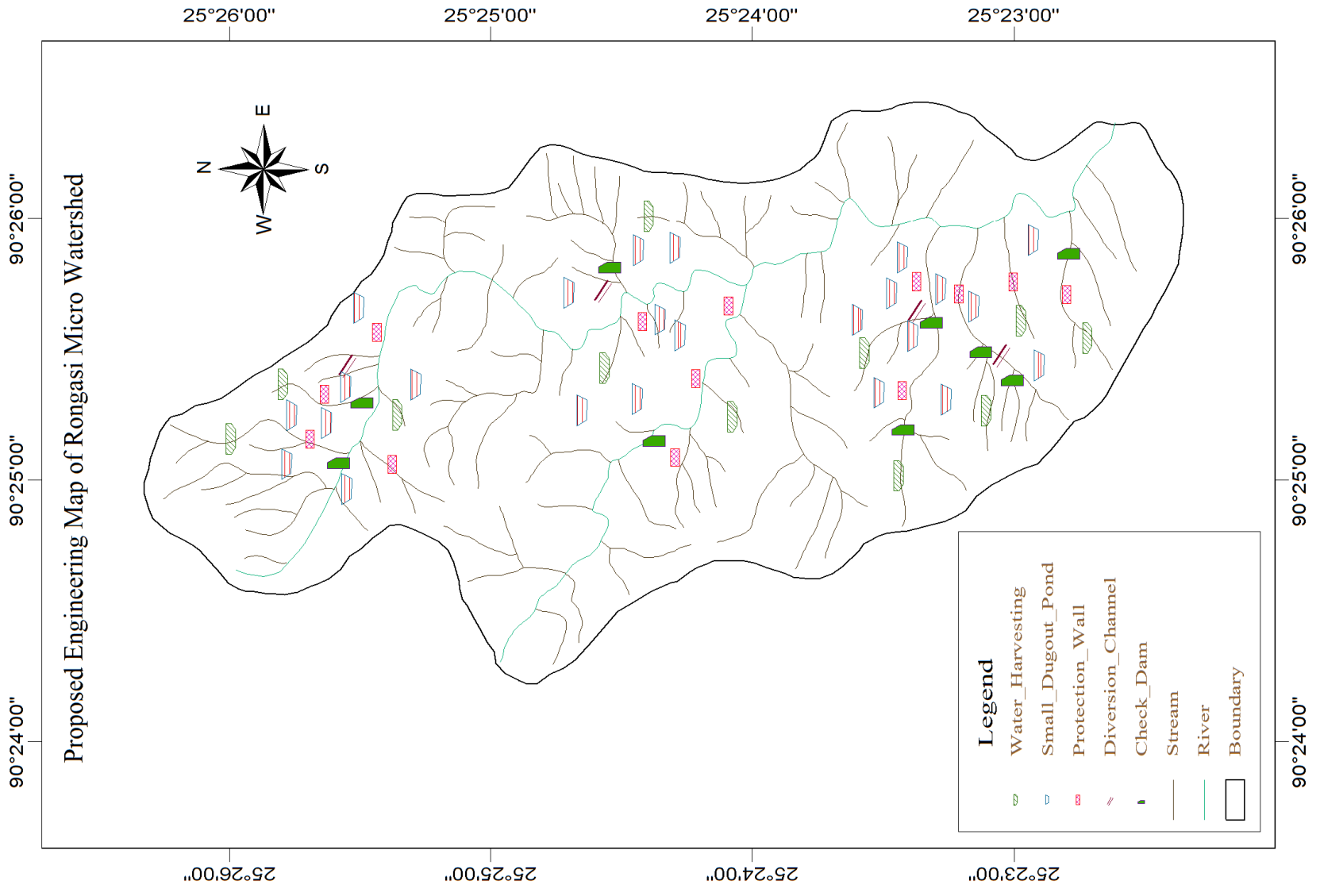


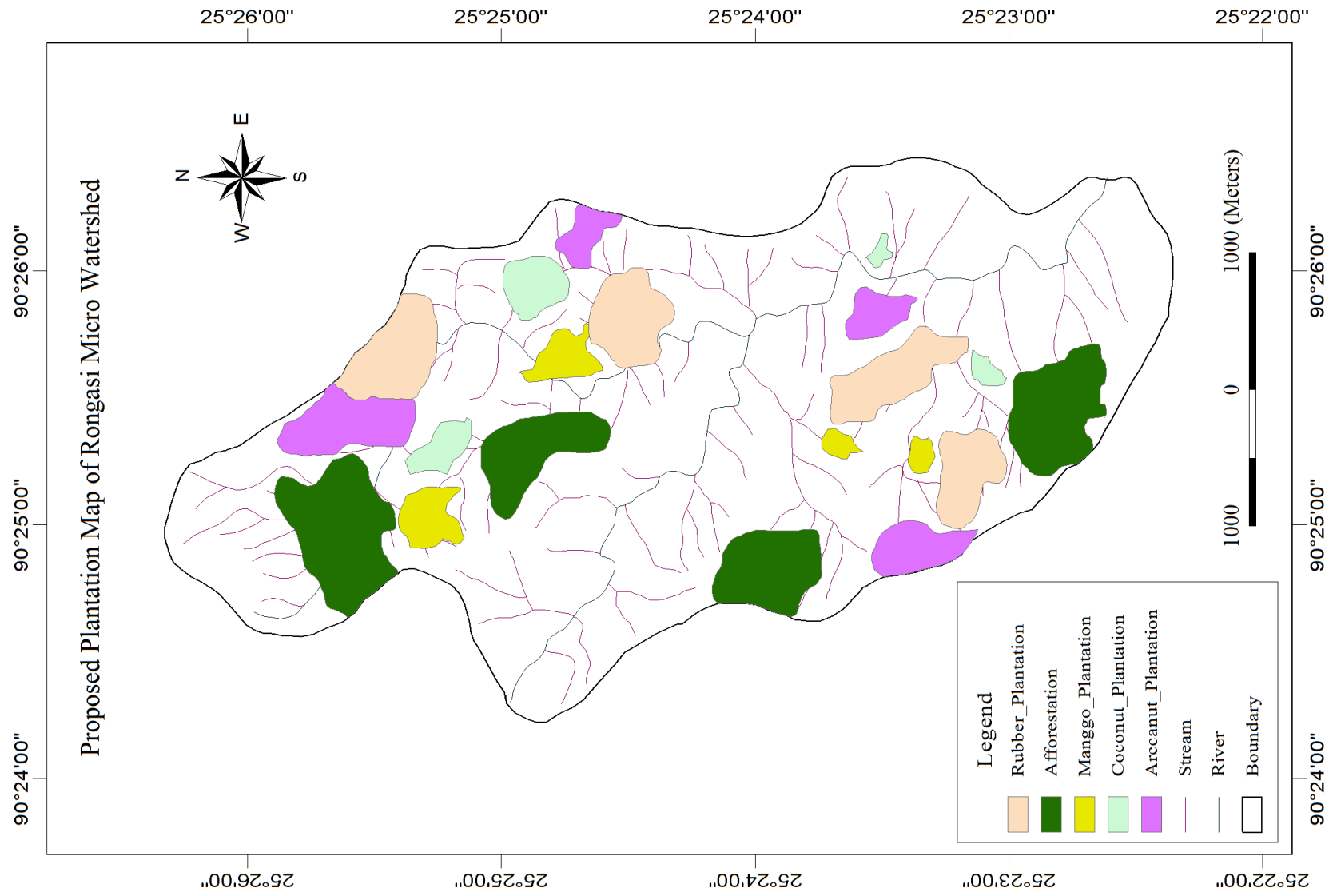












ANNEXURE II
SOCIO-ECONOMIC SURVEY DETAILS

Socio-economic survey for South Garo Hills - IWMP-VIII

Chirimmagre under Chokpot C&R.D. Block

Sl.No	Name of Head of the Family	Population		Total	Literacy		Occupation	Land Holdings(In ha.)		Livestock				Remarks
		Male	Female		Litterate	Illeterate		Paddy Field	Orchard	Dairy	Pig	Goat	Poultry	
1	Shri Waljen CH.Marak	1	2	3	3	0	Farmer	0	7	5	1	0	4	
2	Shri Kansing Ch. Marak	4	4	8	8	0	Do	0	5	4	1	0	5	
3	Shri Ningren Ch. Marak	4	2	6	6	0	Do	0	6	5	1	0	5	
4	Shri Palgan Ch. Marak	1	2	3	2	1	Do	0	3	2	1	0	5	
5	Shri Toontoon Marak	3	1	4	1	3	Do	0	1	0	1	0	2	
6	Shri Gelason Marak	1	1	2	0	2	Do	0	1.5	1	1	0	3	
7	Shri Probirth Marak	4	2	6	6	0	Do	0	1	2	1	0	4	
8	Shri Wilbing Marak	2	1	3	3	0	Do	0	2	0	1	0	5	
9	Shri Dujan Sangma	1	1	2	1	1	Do	0	1	0	1	0	5	
10	Shri Puish Marak	3	5	8	8	0	Do	0	2	4	1	6	5	
11	Smt. Monita Sangma	1	1	2	2	0	Do	0	1	0	1	0	4	
	Total	25	22	47	40	7		0	30.5	23	11	6	47	

Socio-economic survey for South Garo Hills - IWMP-VIII

Rongru Watregre under Chokpot C&R.D. Block

Sl.No	Name of Head of the Family	Population		Total	Literacy		Occupation	Land Holdings(In ha.)		Livestock				Remarks
		Male	Female		Litterate	Illeterate		Paddy Field	Orchard	Cow	Pig	Goat	Pouty	
1	Shri. Jeen Ch. Marak(Nokma)	3	5	8	8	0	Farmer	0	3	5	1	0	12	
2	Shri. Dinen M Sangma	5	1	6	6	0	Do	0	1	6	1	0	7	
3	Shri. Jigina Sangma	2	5	7	7	0	Do	0	1	4	1	0	9	
4	Shri. Sengsing Sangma	3	0	3	1	0	Do	0	1	8	1	0	11	
5	Shri. Richard Sangma	4	4	8	8	0	Do	0	2	2	1	0	10	
6	Shri. Clever Sangma	1	3	4	4	0	Do	0	1	0	2	0	6	
7	Smti. Wenjak Marak	0	2	2	1	1	Do	0	3	0	1	0	12	
	Total	18	20	38	35	1		0	12	25	8	0	67	

Socio-economic survey for South Garo Hills - IWMP-VII

Rongru-Asim under Chokpot C&R.D. Block

Sl.No	Name of Head of the Family	Population		Total	Literacy		Occupation	Land Holdings(In ha.)		Livestock				Remarks
		Male	Female		Litterate	Illeterate		Paddy Field	Orchard	Cow	Pig	Goat	Fowl	
1	Shri Wansng M. sangma	2	2	4	3	1	Farmer	1.5	3	0	0	0	5	
2	Shri. Jinda M. Sangma	4	3	7	4	3	Do	2	5	0	0	0	6	
3	Shri. Rangsing Ch. Marak	4	2	6	4	2	Do	1	3	0	1	0	5	
4	Shri. Bittar M. Sangma	3	4	7	5	2	Do	1	2.5	0	0	0	5	
5	Shri. Mison M. sangma	4	2	6	3	3	Do	3	5	2	0	0	7	
6	Shri. Rame M. Sangma	1	1	2	0	2	Do	1	6	2	0	0	5	
7	Shri. Suan Ch. Marak	3	4	7	7	0	Do	2	7	1	1	0	8	
8	Shri. Dilip R. Marak	3	2	5	3	2	Do	1	5	1	2	0	7	
9	Shri. Johnny M. Sangma	1	2	3	2	1	Do	0	2	0	0	0	5	
10	Shri. Tibison M. Sangma	3	4	7	4	3	Do	2	6	2	1	0	6	
11	Shri. Neken M. Sangma	3	4	7	5	2	Do	2	7	4	1	0	8	
12	Shri. Gremson M. Sangma	7	4	11	9	2	Do	1	5	1	0	0	7	
13	Shri. Nolin M. Sangma	5	3	8	6	2	Do	3	8	5	0	0	8	
14	Shri. Mingsing Ch. Marak	1	1	2	0	2	Do	0	5	2	0	0	9	
15	Shri. Siling M. sangma	2	3	5	3	2	Do	0	3	0	1	0	11	
16	Shri. Reson Ch. Marak	6	3	9	4	5	Do	2	6	2	0	0	8	
17	Shri. Nengjan Ch. Marak	2	3	5	5	0	Do	2	6	7	0	1	5	
18	Jostin Ch. Marak	3	4	7	4	3	Do	0	5	4	0	0	6	
19	Shri. Barma R. Marak	1	3	4	1	3	Do	0	2	0	1	0	8	
20	Shri. Glen M. Sangma	2	3	5	2	3	Do	0	3	1	2	0	9	
21	Shri. Rikrak R. Marak	1	2	3	2	1	Do	0	3	0	0	0	7	
	TOTAL	61	59	120	76	44		24.5	97.5	34	10	1	145	

Socio-economic survey for South Garo Hills - IWMP-VII
Rongasigre under Chokpot C&R.D. Block

Sl.No	Name of Head of the Family	Population		Total	Literacy		Occupation	Land Holdings(In ha.)		Livestock				Remarks
		Male	Female		Litterate	Illiterate		Paddy Field	Orchard	Cow	Pig	Goat	Fowl	
1	Shri Netiananda M Sangma	3	1	4	2	2	Govt. Teacher	3	1.5	2	0	4	8	
2	Shri Bijini M.Sangma	6	3	9	9	0	Farmer	3	1	30	1	5	10	
3	Shri Jelesh Ch, Marak	5	2	7	4	3	Do	0	2	5	1	7	7	
4	Shri Pitor Sangma	1	5	6	3	3	Do	0	3	0	2	3	7	
5	Shri Skumal Das	2	1	3	2	1	Do	0	1	0	0	0	3	
6	Shri Florence Marak	2	1	3	2	1	Do	0	2	0	0	0	5	
7	Shri Elish M. Sangma	4	3	7	2	5	Do	0	1	0	0	0	7	
8	Shri Lepden M. Sangma	6	5	11	11	0	Govt. Teacher	22	3	30	2	0	0	
9	Shri Albina M. Sangma	4	3	7	7	7	Farmer	2	2	1	1	0	8	
10	Shri Pointsing Sangma	4	4	8	8	8	Do	1	1	3	1	0	4	
11	Shri Nakga Marak	3	3	6	2	4	Do	2	3	5	1	0	5	
12	Shri Samson Sangma	3	4	7	7	0	Do	3	4	3	2	0	10	
13	Shri Premson Sangma	5	4	9	9	0	Do	3	2	25	1	5	8	
14	Shri Jonen Ch. Marak	2	3	5	5	0	Do	2	5	5	1	4	9	
15	Shri Kakilang Sangma	2	3	5	5	0	Do	0	2	1	0	0	7	
16	Shri Williamson Ch. Marak	4	4	8	8	0	Do	2	1	15	2	0	8	
17	Shri Jogen M. Sangma	2	3	5	1	4	Do	2	3	8	1	0	9	
18	Shri Kem M. Sangma	2	2	4	1	3	Retd. Govt. Servant	2	2	3	0	0	10	

19	Shri Lipson M. Sangma	1	3	4	2	2	Farmer	3	1	4	1	0	8
20	Shri Walnis Ch. Marak	4	3	7	1	6	Do	1	1	4	1	5	7
21	Shri Piting M. Sangma	2	3	5	5	0	Do	0	1	0	0	0	5
22	Shri Agil Sangma	1	3	4	0	4	Do	0	2	0	1	0	8
23	Shri Gantong Ch. Marak	2	3	5	2	3	Do	0	1.5	0	0	0	5
24	Shri Menesh Ch. Marak	2	4	6	3	3	Do	0	2	0	0	0	6
25	Shri Jonaton Sangma	1	2	3	3	0	Do	0	1	0	0	0	5
26	Shri George Ch. Marak	2	3	5	4	1	Do	0	1	0	0	0	5
27	Shri Dipin Marak	3	5	8	8	0	Do	2	1	3	1	0	8
28	Shri Walman Marak	2	3	5	5	0	Do	0	1	0	0	0	9
29	Shri Pee Marak	2	2	4	0	4	Do	0	1	0	0	0	10
30	Shri. Joseph Marak	3	2	5	0	5	Do	0	1	5	0	0	9
31	Shri. Pisi Marak	2	1	3	3	0	Do	0	2	0	0	0	0
32	Smt. Topon Ch. Marak	1	2	3	0	3	Do	0	3	4	1	0	5
33	Shri. Jisi Marak	3	1	4	4	0	Do	0	2	0	0	0	3
34	Shri. Sengrak Marak	1	2	3	2	1	Do	0	2	0	0	0	5
	TOTAL	92	96	188	130	58		53	63	160	22	33	223

ANNEXURE III
COST ESTIMATES

ESTIMATE FOR THE CONSTRUCTION OF SPRING CHAMBER WITH RESERVOIR TANK & PLATFORM
(Ref: M.P.W.D's Schedule of Rates for Building Works, 2010-2011)

1/1.1	Earth work in excavation in foundation....etc. (b) Hard soil or soil mixed with moorum, gravel, boulder upto one man size.		
	Dam	1 x 3.00 x 0.80 x 0.85 =	2.04 m ³
		2 x 1.00 x 0.80 x 0.85 =	1.36 m ³
	Reservoir Tank	1 x 3.20 x 3.20 x 0.45 =	4.61 m ³
	& Platform	1 x 2.00 x 3.20 x 0.45 =	2.88 m ³
		1 x 1.00 x 0.55 x 0.35 =	0.19 m ³
			11.08 m ³
		@ ₹ 77 /- m ³	₹ 853.1985
2/4.5	Providing 100m thick soling with approved quality of stoneetc		
	Reservoir Tank	1 x 3.20 x 3.20 =	10.24 m ²
	& Platform	1 x 2.00 x 3.20 =	6.40 m ²
		1 x 1.00 x 0.55 =	0.55 m ²
			17.19 m ²
		@ ₹ 166 /- m ²	₹ 2,853.54
3/2.1	Dam	1 x 3.00 x 0.80 x 0.10 =	0.24 m ³
		2 x 1.00 x 0.80 x 0.10 =	0.16 m ³
	Reservoir Tank	1 x 3.20 x 3.20 x 0.10 =	1.02 m ³
	& Platform		1.42 m ³
		@ ₹ 3859 /- m ³	₹ 5,495.22

4/2.9 (a) Providing shuttering including centering.....etc.

Dam	2 x	3.00	x	0.75	=	4.50 m ²
	2 x	3.00	x	1.20	=	7.20 m ²
	4 x	1.00	x	0.75	=	3.00 m ²
	4 x	1.00	x	1.20	=	4.80 m ²
Reservoir Tank	4 x	3.00	x	2.00	=	24.00 m ²
& Platform	4 x	2.60	x	2.00	=	20.80 m ²
	1 x	2.60	x	2.60	=	6.76 m ²
	6 x	2.60	x	0.15	=	2.34 m ²
	4 x	1.50	x	0.15	=	0.90 m ²
					=	<u>74.30 m²</u>

@ ₹ 217 /- m³

₹ 16,123.10

5/6.2 Providing tor steel reinforcement in RCC works etc.

Reservoir Tank
& Platform

10mm dia T.S:

Floor	32 x	2.00	x	3.20	x	0.62	=	126.98 Kg.
Wall	30 x	4.00	x	2.25	x	0.62	=	167.40 Kg.
Slab	21 x	4.00	x	3.00	x	0.62	=	156.24 Kg.
	30 x	2.00	x	3.00	x	0.62	=	111.60 Kg.
Beam/ Supporter	4 x	2.00	x	3.00	x	0.62	=	14.88 Kg.
6mm dia	24 x	2.00	x	0.42	x	0.22	=	4.44 Kg.

581.53 Kg.

or 5.815312 qntl.

@ ₹ 7,089 /- Qtl

₹ 41,224.75

6/2.4(a) Providing and laying c.c in prop. 1:2:4 etc.					
Dam	1 x 3.00 x 0.60 x 0.75	=	1.35 m ³		
	1 x 3.00 x $\frac{0.30 + 0.60}{2}$ x 1.20	=	1.62 m ³		
	2 x 1.00 x 0.60 x 0.75		0.90 m ³		
	2 x 1.00 x $\frac{0.30 + 0.60}{2}$ x 1.20		1.08 m ³		
Reservoir Tank & Platform	1 x 3.20 x 3.20 x 0.20	=	2.048 m ³		
	2 x 3.00 x 0.20 x 2.00	=	2.400 m ³		
	2 x 2.60 x 0.20 x 2.00	=	2.080 m ³		
	1 x 3.00 x 3.00 x 0.10	=	0.900 m ³		
Beam	2 x 3.00 x 0.10 x 0.10	=	0.060 m ³		
	1 x 2.00 x 3.00 x 0.20	=	1.200 m ³		
	2 x 2.00 x 0.15 x 0.15	=	0.090 m ³		
	2 x 1.13 x 0.15 x 0.15	=	0.05085 m ³		
	1 x 1.00 x 0.55 x 0.10	=	0.055 m ³		
	2 x 1.00 x 0.15 x 0.15	=	0.045 m ³		
			<u>13.87885 m³</u>		
	@ ₹ 4,738 /- m ³			₹	65,757.99

7/4.1 Providing 12mm thick cement plaster including cleaning the surfaceetc.					
(b) Proportion 1:3.					
Dam	2 x 3.00 x 1.95	=	11.70 m ²		
	4 x 1.00 x 1.95	=	7.80 m ²		
	1 x 5.00 x 0.30	=	1.50 m ²		
Reservoir Tank & Platform	4 x 3.00 x 2.00	=	24.00 m ²		
	4 x 2.60 x 2.00	=	20.80 m ²		
	1 x 3.00 x 3.00	=	9.00 m ²		
	1 x 2.00 x 3.00	=	6.00 m ²		
			<u>80.80 m²</u>		
	@ ₹ 135 /- m ²			₹	10,908.00

8/11.22	Providing and fixing 25mm dia pipe including necessary sockets, bend, tees, etc. (a) G.I. Pipe. Length	24.00 metres.	@ ₹ 213 /- m	₹ 5,112.00
9/11.18	Providing and fixing 15mm dia G.I. Pipe with necessary sockets, etc. (a) G.I. Pipe.	2 x 1.00 = 2.00 Rm	@ ₹ 142 /- m	₹ 284.00
10/11.20	Suplying and fitting pipe complete as directed. (b) 12mm dia Bib cock (Brass) 2 Nos		@ ₹ 304 /- m	₹ 608.00
			Grand Total	₹ 1,49,219.7926
			Say	₹ 1,50,000.00
			7 Nos.	10,50,000.00

(Rupees Ten Lakh Fifty Thousand) Only

ESTIMATE FOR THE CONSTRUCTION OF SPRING CHAMBER WITH RESERVOIR TANK & PLATFORM
(Ref: M.P.W.D's Schedule of Rates for Building Works, 2010-2011)

1/1.1	Earth work in excavation in foundation....etc. (b) Hard soil or soil mixed with moorum, gravel, boulder upto one man size.		
	Dam	1 x 3.00 x 0.80 x 0.85 =	2.04 m ³
		2 x 1.00 x 0.80 x 0.85 =	1.36 m ³
	Reservoir Tank	1 x 3.00 x 3.00 x 0.45 =	4.05 m ³
	& Platform	1 x 2.00 x 2.00 x 0.45 =	1.80 m ³
		1 x 1.00 x 0.55 x 0.35 =	0.19 m ³
			9.44 m ³
	@ ₹ 77 /- m ³		₹ 727.0725
2/4.5	Providing 100m thick soling with approved quality of stoneetc		
	Reservoir Tank	1 x 3.00 x 3.00 =	9.00 m ²
	& Platform	1 x 2.00 x 2.00 =	4.00 m ²
		1 x 1.00 x 0.55 =	0.55 m ²
			13.55 m ²
	@ ₹ 166 /- m ²		₹ 2,249.30
3/2.1	Dam	1 x 3.00 x 0.80 x 0.10 =	0.24 m ³
		2 x 1.00 x 0.80 x 0.10 =	0.16 m ³
	Reservoir Tank	1 x 3.00 x 3.00 x 0.10 =	0.90 m ³
	& Platform		1.30 m ³
	@ ₹ 3859 /- m ³		₹ 5,016.70

4/2.9 (a) Providing shuttering including centering.....etc.

Dam	2 x	3.00	x	0.75	=	4.50 m ²
	2 x	3.00	x	1.20	=	7.20 m ²
	4 x	1.00	x	0.75	=	3.00 m ²
	4 x	1.00	x	1.20	=	4.80 m ²
Reservoir Tank	4 x	3.00	x	3.00	=	36.00 m ²
& Platform	4 x	3.60	x	2.50	=	36.00 m ²
	1 x	3.60	x	3.60	=	12.96 m ²
	6 x	3.60	x	0.15	=	3.24 m ²
	4 x	1.50	x	0.15	=	0.90 m ²
					=	<u>108.60 m²</u>

@ ₹ 217 /- m³

₹ 23,566.20

5/6.2 Providing tor steel reinforcement in RCC works etc.

Reservoir Tank
& Platform

10mm dia T.S:

Floor	28 x	3.00	x	3.00	x	0.62 =	156.24 Kg.
Wall	28 x	4.00	x	2.25	x	0.62 =	156.24 Kg.
Slab	21 x	3.00	x	3.00	x	0.62 =	117.18 Kg.
	30 x	3.00	x	3.00	x	0.62 =	167.40 Kg.
Beam/ Supporter	4 x	3.00	x	3.00	x	0.62 =	22.32 Kg.
6mm dia	24 x	3.00	x	0.42	x	0.22 =	<u>6.65 Kg.</u>
							626.03 Kg.
							or 6.260328 qntl.

@ ₹ 7,089 /- Qtl

₹ 44,379.47

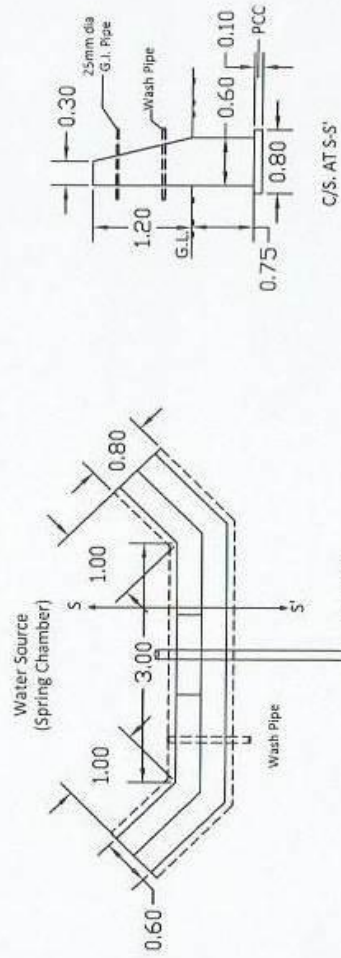
6/2.4(a)	Providing and laying c.c in prop. 1:2:4 etc.				
Dam	1 x	3.00	x	0.60 x 0.75	= 1.35 m ³
	1 x	3.00	x	$\frac{0.30 + 0.60}{2} \times 1.20$	= 1.62 m ³
	2 x	1.00	x	0.60 x 0.75	= 0.90 m ³
	2 x	1.00	x	$\frac{0.30 + 0.60}{2} \times 1.20$	= 1.08 m ³
Reservoir Tank	1 x	3.00	x	3.00 x 0.20	= 1.800 m ³
& Platform	2 x	2.00	x	0.20 x 3.00	= 2.400 m ³
	2 x	3.60	x	0.20 x 3.00	= 4.320 m ³
	1 x	2.00	x	2.00 x 0.10	= 0.400 m ³
Beam	2 x	3.00	x	0.10 x 0.10	= 0.060 m ³
	1 x	3.00	x	3.00 x 0.20	= 1.800 m ³
	2 x	3.00	x	0.15 x 0.15	= 0.135 m ³
	2 x	1.13	x	0.15 x 0.15	= 0.05085 m ³
	1 x	1.00	x	0.55 x 0.10	= 0.055 m ³
	2 x	1.00	x	0.15 x 0.15	= 0.045 m ³
					<u>16.01585 m³</u>
	@	₹	4,738	/-	m ³
				₹	75,883.10

7/4.1	Providing 12mm thick cement plaster including cleaning the surfaceetc.				
	(b) Proportion 1:3.				
Dam	2 x	3.00	x	1.95	= 11.70 m ²
	4 x	1.00	x	1.95	= 7.80 m ²
	1 x	6.00	x	0.30	= 1.80 m ²
Reservoir Tank	4 x	3.00	x	3.00	= 36.00 m ²
& Platform	4 x	3.60	x	3.00	= 43.20 m ²
	1 x	2.00	x	4.00	= 8.00 m ²
	1 x	3.00	x	4.00	= 12.00 m ²
					<u>120.50 m²</u>
	@	₹	135	/-	m ²
				₹	16,267.50

8/11.22	Providing and fixing 25mm dia pipe including necessary sockets, bend, tees, etc. (a) G.I. Pipe. Length	24.00 metres.		
		@ ₹ 213 /- m	₹	5,112.00
9/11.18	Providing and fixing 15mm dia G.I. Pipe with necessary sockets, etc. (a) G.I. Pipe.	2 x 1.00 = 2.00 Rm		
		@ ₹ 142 /- m	₹	284.00
10/11.20	Suplying and fitting pipe complete as directed. (b) 12mm dia Bib cock (Brass) 2 Nos			
		@ ₹ 304 /- m	₹	608.00
			<hr/>	
		Grand Total	₹	1,74,093.3350
		Say	₹	1,74,000.00

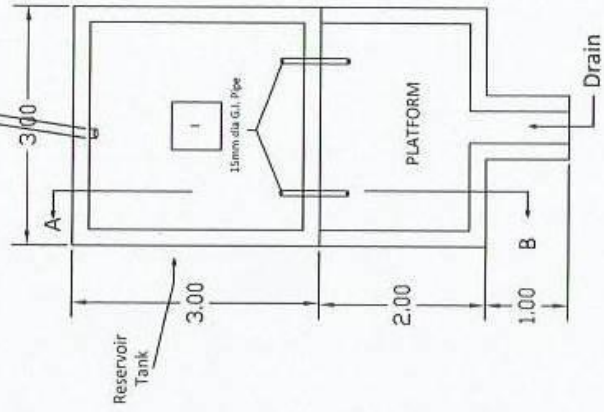
(Rupees One Lakh Seventy Four Thousand) Only

SPRING CHAMBER WITH RESERVOIR TANK AND PLATFORM

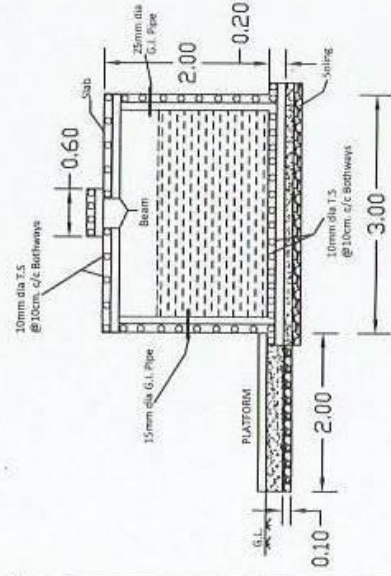


C/S. AT S-S'

Plan



Plan



C/S. AT A-B

Not to Scale
All Dimension are in Metre

Estimate for Construction of C.C. Protection Wall
As per Schedule of Rates for Roads , Bridges and E & D works
for the year 2011-2012 in Tura Circle and Williamnagar Circle.

1/134 Excavation for structures (Earth work in excavation of foundation of structures as per drawing and technical specification including setting out. Etc.

$$1 \times 22.40 \times 1.00 \times 1.50 = 33.60 \text{ m}^3$$

$$\text{@ Rs. } 50 / \text{m}^3 \quad \text{Rs. } 1,680.00$$

2/137. PCC 1:3:6 in foundation (Plain cement concrete 1:3:6 nominal mix in foundation with crushed stone aggregate 40 mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days.

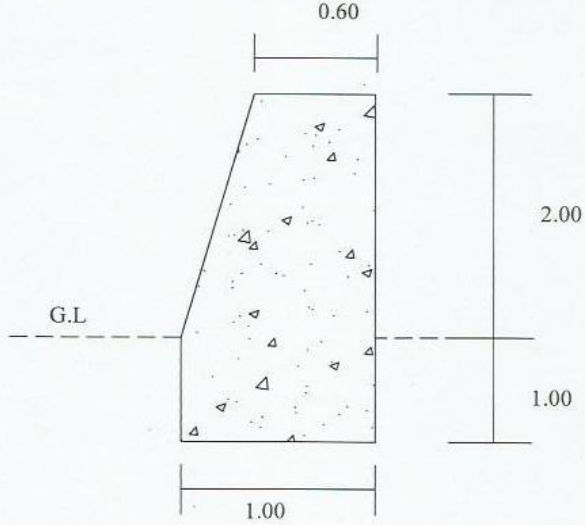
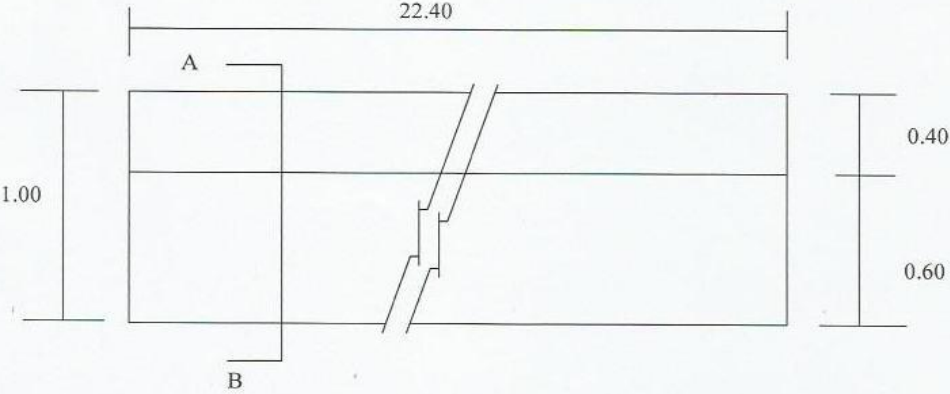
$$\begin{array}{r} 1 \times 22.40 \times 1.00 \times 1.00 = 22.40 \text{ m}^3 \\ 1 \times 22.40 \times \frac{1.00 + 0.60}{2} \times 2 = 35.84 \text{ m}^3 \\ \hline 58.24 \text{ m}^3 \end{array}$$

$$\text{@ Rs. } 4263 / \text{m}^3 \quad \begin{array}{l} \text{Rs. } 2,48,277.12 \\ \hline \text{Rs. } 2,49,957.12 \end{array}$$

$$\text{Say Rs. } 2,50,000.00 \times 13 \text{ Nos.} = 32,50,000.00$$

(Rupees Thirty Two Lakh Fifty Thousand) Only

CC Protection Wall



SECTION ON A-B

PLAN AND SECTION OF C.C
RETAINING WALL
SCALE: NOT TO SCALE
ALL DIMENSIONS ARE IN METER

ESTIMATE FOR THE CONSTRUCTION OF WATER HARVESTING STRUCTURE
SCHEDULED OF RATES FOR ROADS, BRIDGES AND E & D WORKS FOR THE YEAR
2011-2012 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 0.5 Ha

@ ₹ 5272 /Ha = ₹ 2,636.00

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

$$1 \times \frac{(38.25 \times 38.25) + (37.00 \times 37.00)}{2} \times 2 = 2832 \text{ m}^3$$

@ ₹ 105 /m³ = ₹ 2,97,366.56

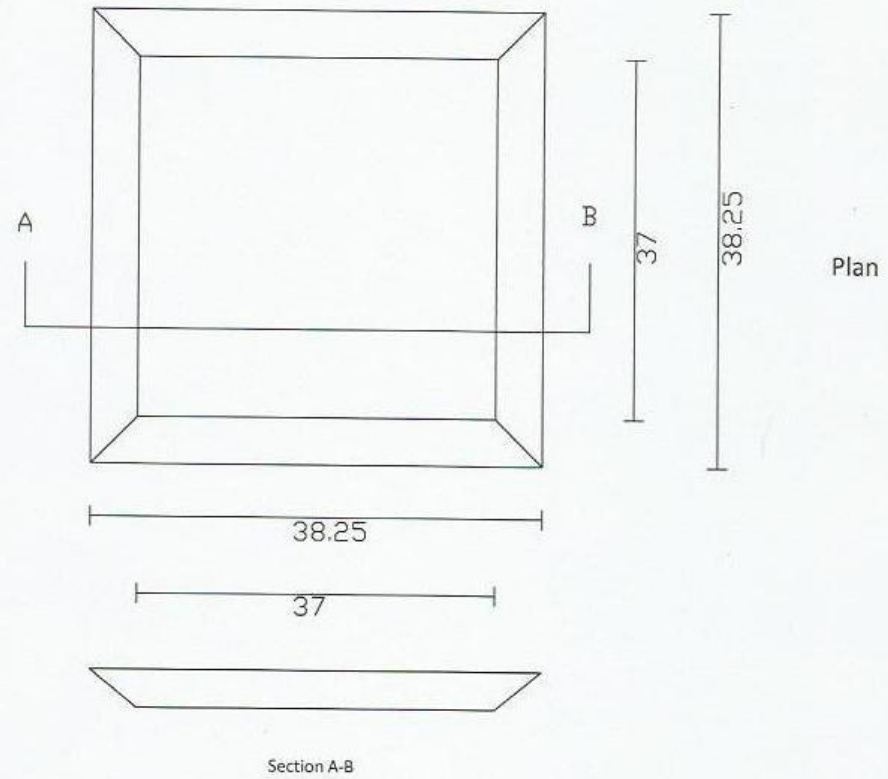
Total = ₹ 3,00,002.56

Say ₹ 3,00,000.00

11 Nos. 33,00,000.00

Rupees (Thirty Three Lakh) Only

Plan for Water Harvesting Structure



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 2011-12
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	14	x	1.1	x	1		=	15.4 m ³
Curtain Wall	6	x	0.15	x	0.4		=	0.36 m ³
Apron	5	x	3	x	0.4		=	6 m ³
Wing wall	7.4	x	2.5	x	1	x	1.1	= 18.5 m ³
								40.26 m ³

@ 105 /m³ = Rs 4227.3

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	5	x	3	x	0.25		=	3.75 m ³
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@ 1316 /m³ = Rs 4935

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

Wing Wall	7.4	x	2.5	x	1	x	0.1	=	1.85 m ³
Dam	1	x	14	x	1.1	x	0.1	=	1.54 m ³
	1	x	14	x	1.1	x	1	=	15.4 m ³
	14	x	0.5	+	1.1	x	1.69	=	18.928 m ³
			2						
	2	x	4	x	0.6	x	0.3	=	1.44 m ³

Apron	5	x	3	x	0.15	=	2.25 m ³
Curtain Wall	6	x	0.15	x	0.55	=	0.495 m ³
C.C Channel	1	x	4	x	0.7	x	0.1 = 0.28 m ³
	2	x	4	x	0.6	x	0.1 = 0.48 m ³
						=	<u>42.663 m³</u>

@ 4262 m³ = Rs 181829.706

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

Wing Wall

	7.4	x	2.5	x	1	x	1	=	18.5 m ³
2 X	2.5	X	<u>0.5</u>	+	<u>1</u>	X	1.7	=	6.375 m ³
			2					=	<u>24.875 m³</u>

@ 3271 m³ = Rs 81366.125

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

Dam

	2 x	14 x	1.7	=	47.6 m ²
	14 x	4 x	0.3	=	16.8 m ²
	2 x	0.6 x	0.3	=	0.36 m ²
	1 x	6 x	0.6	=	3.6 m ²
C.C Channel	2 x	4 x	0.6	=	4.8 m ²
	1 x	4 x	0.7	=	<u>2.8 m²</u>
				=	75.96 m ²

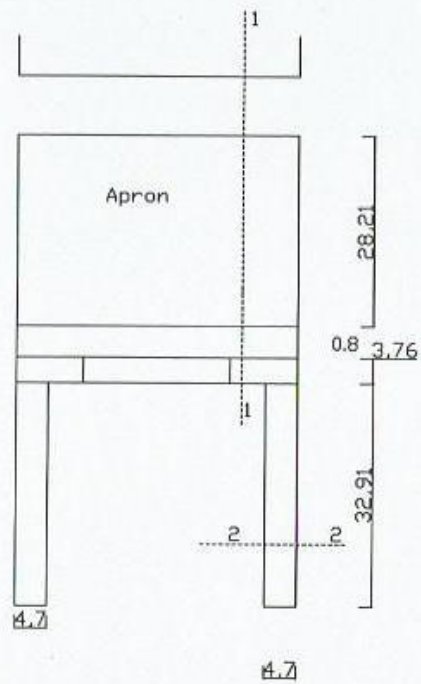
@ 97 m³ = Rs 7368.12

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

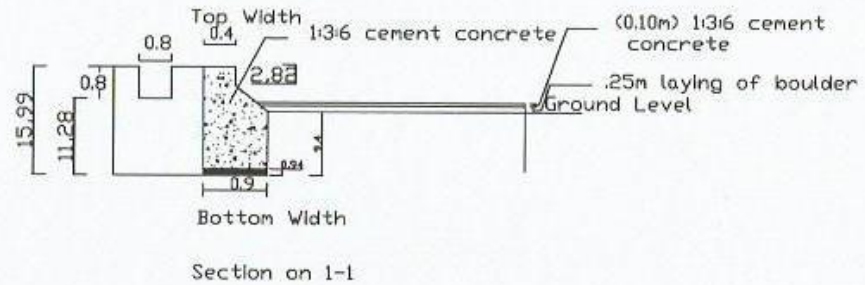
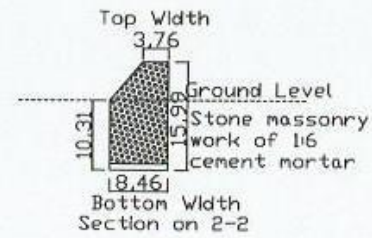
	4 x	0.8 x	0.7	=	2.24 m ³	
@	50 m ³			=	Rs 112	
				Total	=	Rs 2,79,839.69
				say		Rs 2,80,000.00
				9 Nos.		25,20,000.00

(Rupees Twenty Five Lakh Twenty Thousand) only

PLAN AND SECTION OF CEMENT CONCRETE CHECK DAM



Plan



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

ESTIMATE FOR THE CONSTRUCTION OF SMALL DUG-OUT POND
AS PER SCHEDULED OF RATES FOR ROADS, BRIDGES AND E & D WORKS FOR THE YEAR
2011-2012 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 0.5 Ha

@ ₹ 5272 /Ha = ₹ 2,636.00

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

$$1 \times \frac{(27.00 \times 27.00) + (26.00 \times 26.00)}{2} \times 2 = 1405 \text{ m}^3$$

@ ₹ 105 /m³

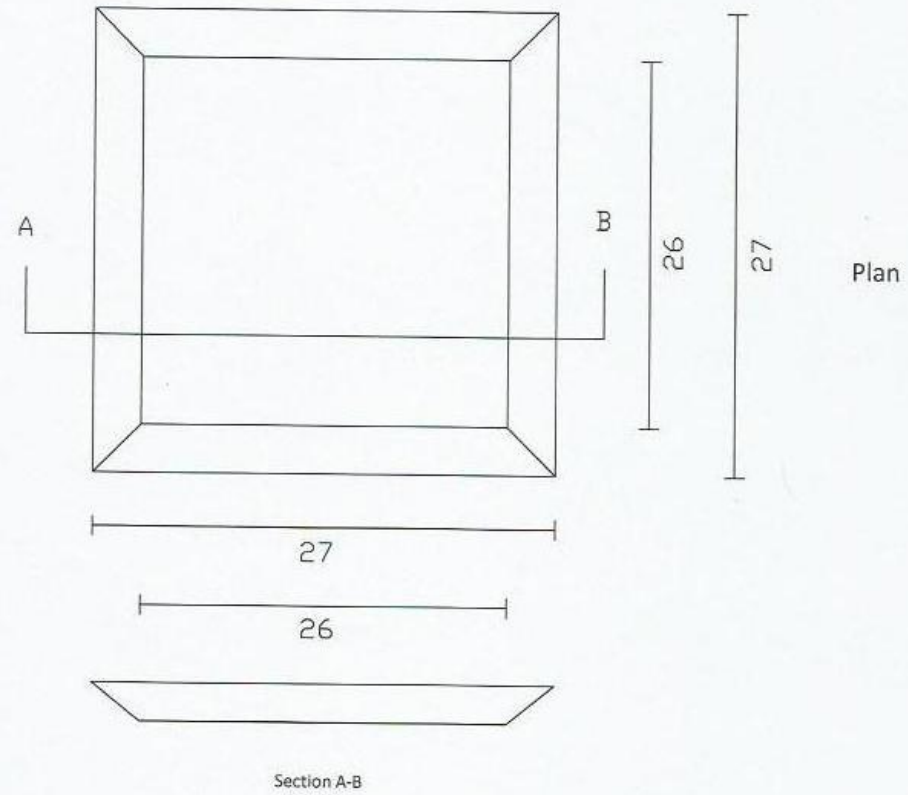
= ₹ 1,47,525.00

Total = ₹ 1,50,161.00

Say ₹ 1,50,000.00

(Rupees One Lakh Fifty Thousand) Only

PLAN FOR SMALL DUG OUT POND



DIMENSION IN METRE
SCALE : NOT TO SCALE

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

$$2 \times 40.85 \times 1.22 = 99.67 \text{ m}^2$$

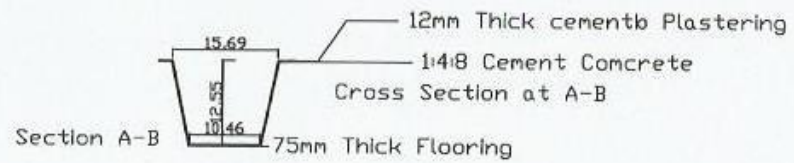
$$\text{Rs. } 97 / \text{m}^2 \qquad \qquad \qquad \text{Rs. } 9,668.38$$

$$\text{Total} = \text{Rs. } 1,31,029.11$$

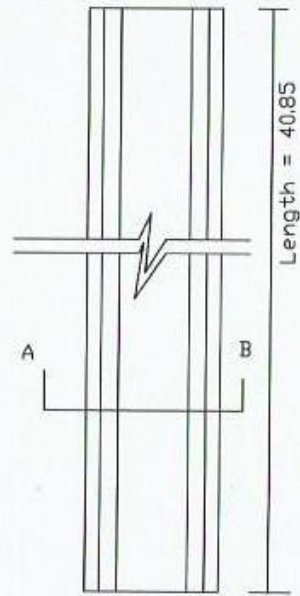
$$\text{Say} \qquad \text{Rs. } 1,31,000.00$$

(Rupees One Lakh Thirty One Thousand) only.

PLAN AND SECTION OF CEMENT CONCRETE DIVERSION CHANNEL



Section A-B



Plan

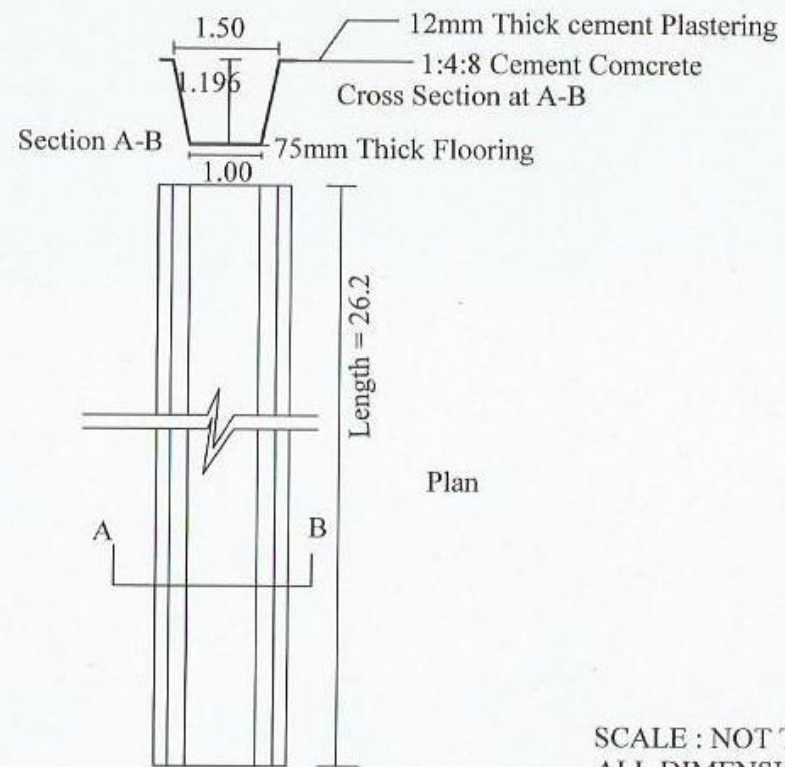
SCALE : NOT TO SCALE
ALL DIMENSIONS ARE IN METRES

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

2 x	26.27 x	1.22	=	64.1 m ²	
		Rs. 97 /m ²			Rs. 6,217.58
				Total =	Rs. 84,262.79
				Say	Rs. 84,250.00
				2 Nos.	Rs. 1,68,500.00

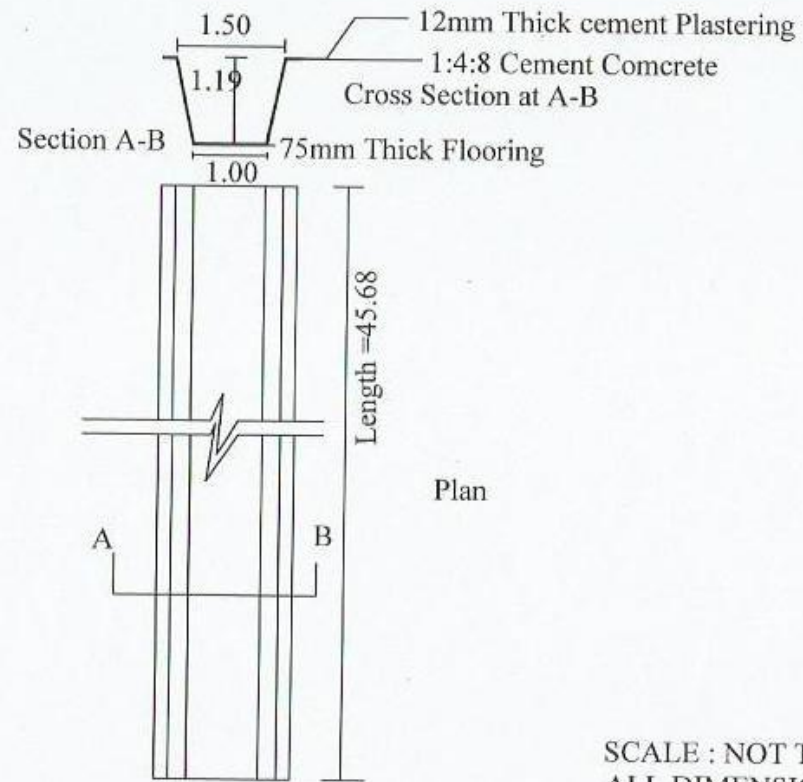
(Rupees One Lakh Sixty Eight Thousand Five Hundred) only.

PLAN AND SECTION OF CEMENT CONCRETE DIVERSION CHANNEL



SCALE : NOT TO SCALE
ALL DIMENSIONS ARE IN METRES

PLAN AND SECTION OF CEMENT CONCRETE DIVERSION CHANNEL



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 (CC) Division, South Garo Hills has constituted (Watershed Development Team) W.D.T Members for the smooth functioning of the project on the 20/12/2010 as per the Common Guidelines for Watershed Development Projects. The roles and responsibilities of the WDT Members is to assist the Watershed Committee and their functioning, Organizing and nurturing User Groups and Self Help Groups, conducting the participatory baseline surveys, training and capacity building, Preparing detailed resource development plans including water and soil conservation to promote sustainable livelihoods at household level, preparing Detailed Project Report (DPR) besides other responsibilities.

Names of Districts	Names of projects	Names of WDT members	M/F#	Age	Qualification / Experience	Description of professional training
South Garo Hills	SGH-IWMP-VIII	Shri. Kai Raksal M Sangma	Male	29 yrs	Bachelor of Computer Application	Bachelor of Computer Application (B.C.A)
		Miss Phunsey Phunica M Marak	Female	24 yrs	Bachelor of Science in Biotechnology	Bachelor of Science in Biotechnology
		Miss Noreen K Marak	Female	27 yrs	Master of Science in Botany	Master of Science in Botany
		Shri. Reagan S. Momin	Male	30 yrs	Bachelor in HM & Administrative Assistant	Bachelor in HM & Administrative Assistant

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

The Rongasi Micro Watershed under Integrated Watershed Management Programme (IWMP-VIII) has constituted Watershed Committee (WC) for smooth implementation of the Watershed Project with the Technical support of the Watershed Development Team (WDT) in the Village. The people of the Rongasi Micro-watershed 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 Pollingstone M Sangma (Range Officer) Baghmara Soil & Water Conservation (CC) Division . The Roles and Responsibilities of the Secretary of WC is to-Convening meetings of the Watershed Committee, facilitating the decision making processes in the context of Watershed Development Project, Taking follow up action on all decisions, Maintaining all the records of project activities and proceedings of the meetings Watershed Committee (WC) and other institutions for Watershed Development Project, Ensuring payments and other financial transactions, Signing the cheques jointly with the WDT nominee on behalf of the Watershed Committee.

The Watershed Committee of Rongasi Micro-Watershed comprises of 15 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-VIII	1. Shri. Probath Ch. Marak		Chairman	M	ST	
		2. Shri Pollingstone Sangma		Secretary			
		3. Shri. Piush Sangma		Member	M	ST	
		4. Shri. Joshep Marak		Member	M	ST	
		5. Shri Selling Sangma		Member	M	ST	
		6. Smt. Tibison Sangma		Member	F	ST	
		7. Shri.Bital Sangma		Member	M	ST	
		8. Shri. Dihen Sangma		Member	M	ST	
		9. Shri. Richard Sangma		Member	M	ST	
		10. Shri Sensing Sangma		Member	M	ST	
		11. Shri. Jonathon Sangma		Member	M	ST	
		12. Shri Albert Sangma		Member	M	ST	
		13. Shri Lipson Sangma		Member	M	ST	
		14. Smt Nerobin Sangma		Member	F	ST	
		15. Smt Lunes Marak		Member	F	ST	

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

The Rongasi Micro Watershed under Integrated Watershed Management Programme (IWMP-VIII) has constituted Watershed Association (WA) with a view to utilize the WDF (Watershed Development Fund) deposited in the WDF Account especially to maintain / Repair the assets created after the project is completed. The people of Rongasi Micro-Watershed unanimously selected the President and the Secretary of the Watershed Association in the meeting from the village itself. The Watershed Association of Rongasi Micro-Watershed comprises of 12 members.

Name of the District	Name of project	Names of Watershed Association	Date of Registration as a Society (dd/mm/ yyyy)	Designation	M/F	ST	Educational qualification
South Garo Hills	SGH- IWMP-VIII	1. Shri. Priam Sangma		President	M	ST	
		2. Shri. Florence Shira		Secretary	M	ST	
		3. Shri. Gramson Sangma		Member	M	ST	
		4. Shri. Glendro Sangma		Member	M	ST	
		5. Shri. Tonton Momin		Member	M	ST	
		6. Shri. Itson Marak		Member	M	ST	
		7. Smt Marrijin Sangma		Member	F	ST	
		8. Shri. Maybirth Marak		Member	M	ST	
		9. Shri. Samson Sangma		Member	M	ST	
		10. Shri. Dihen Sangma		Member	M	ST	
		11. Shri. Richard Sangma		Member	M	ST	
		12. .Shri Sensing Sangma		Member	M	ST	I

AGREEMENT FOR CONVERGENCE OF SCHEME

The Village Employment Council (VEC) and the Communities of Chiringmagre Village, Chokpot Block, South Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Watershed Management Project (IWMP) at Chiringmagre village under Rongasi Micro-Watershed, SGH-IWMP-VIII 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 (2013-14 to 2016-17). 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
Chiringmagre VEC,
South Garo Hills,
President

Village Employment Council
Chiringmagre
Chokpot Block, SGH.



Secretary
Chiringmagre VEC,
South Garo Hills.

Secretary
Village Employment Council
Chiringmagre
Chokpot Block, SGH.

AGREEMENT FOR CONVERGENCE OF SCHEME

The Village Employment Council (VEC) and the Communities of Watregre Village, Chokpot Block, South Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Watershed Management Project (IWMP) at Watregre village under Rongasi Micro-Watershed, SGH-IWMP-VIII 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 (2013-14 to 2016-17). 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.

*R.T.1 of
Open Ch. Marak*


Rongra Watrigri VEC
South G
President

Village Employment Council
Watregre
Chokpot Block, SGH.


Secretary
Rongra Watrigri VEC,
South Garo Hills.
Secretary

Village Employment Council
Watregre
Chokpot Block, SGH.

AGREEMENT FOR CONVERGENCE OF SCHEME


The Village Employment Council (VEC) and the Communities of Rongru Asimgre Village, Chokpot Block, South Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Watershed Management Project (IWMP) at Rongru Asimgre village under Rongasi Micro-Watershed, SGH-IWMP-VIII 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 (2013-14 to 2016-17). 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.


W/Representative,
Rongru Asim V.E.C. (MG.NREGS)
Chokpot Dev. Block
South Garo Hills
President

Village Employment Council
Rongru Asimgre
Chokpot Block, SGH.


Secretary
Rongru Asim V.E.C. (MG.NREGS)
Chokpot Dev. Block
South Garo Hills

Secretary
Village Employment Council
Rongru Asimgre
Chokpot Block, SGH.

AGREEMENT FOR CONVERGENCE OF SCHEME

The Village Employment Council (VEC) and the Communities of Rongasigre Village, Chokpot Block, South Garo Hills, Meghalaya have no objection to the Convergence of NREGS with Integrated Watershed Management Project (IWMP) at Rongasigre village under Rongasi Micro-Watershed, SGH-IWMP-VIII 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 (2013-14 to 2016-17). 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.


Village Employment Council
Rongasigre V.E.C. (N.G.NREGS)
Chokpot Det. Block
South Garo Hills
President

Village Employment Council
Rongasigre
Chokpot Block, SGH.


Secretary,
Rongasigre V.E.C. (N.G.NREGS)
Chokpot Det. Block
South Garo Hills.

Secretary
Village Employment Council
Rongasigre
Chokpot Block, SGH.

Proceeding of the Public Meeting held in connection with taking up Rongasi Micro Watershed IWMP-VIII

Venue: - Chiringma L.P. School Playground

Date: - 5th September 2012.

Shri Jangseng D. Sangma has been nominated by the public to conduct the meeting as a Chairperson. Chairperson Shri. Jangseng D. Sangma gave a short welcome address and asked the Departmental personnel to brief the public about the objective of the meeting. Shri. P. M. Sangma (S.C.R.) explain the objectives of Integrated Watershed Management Programme (IWMP) undertaking by the Government of Meghalaya and asked the Public whether they are in the position to accept the proposed Rongasi Watershed IWMP-VIII in their Village or not for which they have unanimously agreed to accept the proposed project.

Having obtained no objection from the Aking Nokma's and the public of the concern Villages to the proposed project, following resolutions has been passed unanimously.

Resolution No. 1:- It is resolved to form 2 (two) Watershed Committees Viz. Rongasi Watershed Committee IWMP-VIII to oversee and Rongasi Watershed Association to maintain and repairing structures when needed after completion of the project works.

Rongasi Watershed Committee IWMP-VIII members,

1. Shri. Pollingstone Sangma, SCR - Secretary
2. Shri. Probath Ch. Marak - Chairman
3. Shri. Piush Sangma
4. Shri. Joshep Marak
5. Shri. Selling Sangma
6. Shri. Tibison Sangma
7. Shri. Bital Sangma
8. Shri. Dihen Sangma
9. Shri. Richard Sangma
10. Shri. Sensing Sangma

11. Shri. Jonathon Sangma
12. Shri. Alberth Sangma
13. Shri. Lipson Sangma
14. Smt. Nerobin Sangma
15. Smt. Lunes Marak

Rongasi Watershed Association (IWMP-VIII)

1. Shri. Priam Sangma – President
2. Shri. Florence Shira – Secretary
3. Shri. Gramson Sangma
4. Shri. Glendro Sangma
5. Shri. Tonton Momin
6. Shri. Itson Marak
7. Smt. Marrijin Sangma
8. Shri. Maybirth Marak
9. Shri. Samson Sangma
10. Shri. Dihen Sangma
11. Shri. Richard Sangma
12. Shri. Sensing Sangma

Public accepted the aforementioned persons without any alteration.

Resolution No. 3. It is resolved to open two identical passbook one for Rongasi Watershed Committee IWMP-VIII, and another for Rongasi Watershed Association IWMP-VIII in State Bank of India Baghmara Branch, South Garo Hills, Meghalaya.

Resolution No. 4. Secretary and Chairman of Rongasi Watershed Committee IWMP-VIII has been empowered to deposit and withdrawn money from Rongasi Watershed Committee IWMP-VIII, Account for project implementation.

Resolution No. 5. Secretary and Chairman of Rongasi Watershed Association IWMP-VIII has been empowered to withdraw money from Rongasi Watershed Association IWMP-VIII Account to repair and maintain the structures whenever it is necessary after the completion of the project period i.e. after five years from the commencement of the project activities.

The meeting concluded with vote of thanks by the chairman.

Enclosed: - Member Present.














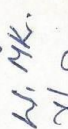









Recorded by

Shri. Kairakshal M. Sangma

(WDT)

MEMBER PRESENT OF RONGASI M/WATERSHED.

DATE: 5th SEPTEMBER 2012

Sl. NO.	BIMUNG	SONG	SDE (SIGN)
1.	P. M. Sangma	S.C.R.	
2.	Shri Chaybitt M. Sangma	SCD (Sr) Technical Support.	
3.	Shri. Jangseu Sangma	Chisingmagris	
4.	Shri. Joseph Marak	"	
5.	Shri Tonton Monin	"	
6.	Dijon Sangma	"	
7.	Shri. Khansing Marak	"	
8.	Shri Pish Marak	"	
9.	Shri Palgan	"	
10.	Sdta Ealsan (Nokma)	"	
11.	Shri Probath Ch Marak.	"	
12.	Smt. Mevina Sangma	"	
13.	Shri Nenghin Marak	"	
14.	Shri Lonitha Sangma.	"	
15.	Shri. Halson Marak	"	
16.	Smt. Nerokona Sangma	"	
17.	Smt. Sinarang Sangma	"	
18.	Shri Dihen M Sangma	Rongru Wabegre	
19.	Shri Bebeli son M Sangma	Rongro AM BM	
20.	Shri Bendro M. Sangma	Rongro A. Sim	
21.	Shri Beit Hal M Sangma		
22.	Shri Guyma Gialak		
23.	Shri Mestek		

MEMBER PRESENT
RONGASI MICRO-WATER SHED.

Sl. NO.	BIMUNG	SONG	SOE (SIGN)
23	Sri Pankey Marak	Rongro Asim	A. Marak.
24	mezon maran	Rongro Asim	mezon
25	Shai Pritchard ^{Sangma}	Pongro walgai	Pongro
26	Shai Lisori Marak	Rongro Asim	Lisori
27	Shai Nongjam Marak.	Rongro Asim	N. Chas
28	Shai Remson Marak	Rongro Asim	Ros
29	Shai Rangbing Marak	Rangro Marak	
30	Mingam Ch Marak	Rongro Asim	
31	Norail ch Marak	Rongro Asim	
32	Remush ch. Marak	Rongro A. sim	AS
33	Smt, Korina Marak	"	
34	Smt, Saneha "	"	
35	Smt, Sabina "	"	
36	Smt, Sangitta "	"	
37	Smt, Maljeni "	"	
38	Smt. Minajing Sg	Cheringmagri	
39	Smt. Aplash Sg.	"	
40	Shai Ignatius Marak	"	
41	Pherajim M Sangma	"	
42	Mebarjim M Sangma	"	
43	eyeron Marak	"	
44	Shubing Sgn.	Rongro Asim	G. M.K.
45	Smt, Galtrak Marak	"	

MEMBER PRESENT

RONGASI MICRO-WATERSHED

Sl. NO	BIMBING	SONG	SOE (SIGN)
46.	Jonathan	Rongasigu	
47.	Florence	''	
48.	Albarth	''	
49.	Geph	''	
50.	Morale	''	
51.	Maybirta	''	
52.	hipson	''	
53.	Joelil	''	
54.	Wansung Sangus	Rongas Bin	
55.	Sensing Sangus	Wategne	
56.	Pleson Sangus.		
57.	Ji Mela Sangma.		
58.	Grinson. M. Sangma.		
59.	Treneng Marak		
60.	Helbing Sangma		
61.	Ningnen Mamat		
62.	Benjara gy ren		
63.	ReAT thoutz.		
64.	Apelendowo Sangma		
65.	Shri kai kalsol M. Sangma	W.D.T.	
66.	Shri Reagan S. Momin	W.D.T.	
67.			

Smt. Jeen Ch. Marak
Nokma
Wathigre A'king I-8 (58)
P.O. Chokpot
Dist. South Garo Hills,
Meghalaya.



Date: 20.9.2012

No Objection certificate

Anga smlⁿ jeen ch Marak
Rongru Wabrigre songni Nokma onga.
Anga soil and water conservation
Department Baghmara, soeth Garo Hills.
na Jan-tegrated watershed management
programme (IWMP) projectⁿ ko jako
raie dingtang dingtang developmental
kannangko ka china angni Akingni
biapko maning nenrikani gei
kusi onge on-enga.



Smt. Jeen Ch. Marak
Nokma I-8(58)
Wathigre A'king
P.O. Chokpot, S/Garo Hills.

• Shri Wansing Sangma
Nokma
Rongru Asingre A'king I-8 (57)
P.O. Chokpot
Dist. South Garo Hills,
Meghalaya.



Date: 10-12-2012

NO. OBJECTION CERTIFICATE

Anga Shri Wansing M Sangma
Rongru A'ingre Sangma A'ingre
nokma ang'a.
Anga Soil and water conservation
department Baghmara South Garo
Hills,na Integrated water shed
management programme (IWRP)
Project-too raie deingtang deingtang
developmental kamrangho kalhina
angni A'ingre kiapo maring mengitani-
gri hudi ang'er onenga.

Nokma Seal/Sign

Shri Wansing Sangma
Nokma I-8 (57)
Rongru Asingre A'king
P.O. Chokpot, SGMRE



NO OBJECTION CERTIFICATE

Anga Shri Nithea Sangma Rongasigre Sengui

Ahng Nokma erga.

Anga Soil and water conservation Department,
Baghmara, South Garo Hills-na, Integrated

- Integrated watershed management Programme
(IWM) Project-no jako raé dingtang dingtang
developmental kamrangho ka-chins angui
Akngui biapho maning set neyngibonigraé
Kusi engen on-erga

Shri Nithea Sangma

Shri Nithea Sangma
Nokma I-B (55)
Rongasigre A King
South Garo Hills

Nokma Seal / Sengui

Shri Wajen Marak
Nokma
Chiringmagre A'king II-8 (6)
PO, Chokpot,
Dist. South Garo Hills,
Meghalaya.




Date: 05-09-2019.

NO OBJECT CERTIFICATE

Anga Sani, Wajen Ch. Marak, Chiringmagri

Songri A'king nokma ong'a

Indaku iachi anga angri a'kingeniko soil & Water
Conservation department, Bongmama, South Garo hills-na
Integrated Watershed Management Programme (IWMP)
project - ko juko na'e dingtangdingtang song-nakri nanga
developmental kamrangko ko China gita angri a'kingeni
biapko maming bashi ba nungribani gri kusi angin
Soi ka.e m.luga


Shri Wajen Marak
Nokma II-8 (6)
Chiringmagre A'king
South Garo hills.

