GOVERNMENT OF MEGHALAYA

DEPARTMENT OF SOIL & WATER CONSERVATION
DETAILED PROJECT REPORT
OF
KIMDE MICRO WATERSHED
INTEGRATED WATERSHED MANAGEMENT PROGRAMME
PROJECT IWMP –VI

2010 – 2011

TURA SOIL & WATER CONSERVATION

WEST GARO HILLS, MEGHALAYA

ZIKZAK C&RD BLOCK

SUMMARY

Name of the Sate	:	Meghalaya
Name of the District	:	West Garo Hills
Name of the C&RD Block	:	Zikzak
Name of the Villages	:	i) Kimdegre (ii) Manwapara
Name of the Project	:	IWMP-VI
Total Geographical Area	:	650.2 Ha
Total Treatment Area	:	500 Ha
Total Project Cost	:	75 lakhs
Project Duration	:	5 Years
Project Implementing Agency	:	Soil & Water Conservation Territorial Division, Tura.

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INTRODUCTION AND BACKGROUND

1.1 Project Background:

The Kimde (IWMP) Micro Watershed Project is located at West Garo Hills. It is under Zikzak C&RD Block, West Garo Hills District of Meghalaya, consisting of a single micro-watershed, the project area is drained by the Gondu River and its tributaries flowing in a south to north direction. The total area is 650.2 Ha. with 500 ha to be treated under the Integrated Watershed Management Programme (IWMP).

The Project area is located at a distance of about 25 km from Zikzak the C&RD Block Headquarter and about 63 km from Tura the District Headquarter . A total of 2 villages are covered under the project. These are –

1. Kimdegre.
2. Manwapara.

1.2 Micro-watershed Information:

The micro-watershed code is …….. as codified by the North East Space Application Centre (NESAC). The total area of the micro-watershed is 650.2 Ha., with 500 hectares to be treated under the Integrated Watershed Management Programme (IWMP).

1.3 Need and Scope for Watershed Development:

The micro-watershed Kimde falls under the High Priority category as per the prioritization of watersheds by the North East Space Application Centre (NESAC). The farmers are all marginal and Jhum cultivation is practiced by most of the inhabitants of these villages on the slopes.

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

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

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

1. NRGES.

CHAPTER II

BASIC INFORMATION OF THE PROJECT AREA

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BASIC INFORMATION OF THE PROJECT AREA

2.1 Location:

The Project area is at West Garo Hills District. It is situated at a distance of 15km about Ampati the Civil Sub-Divisional Head Quarter and about 63km from Tura .the District Headquarter.. The geographical location is between 90˚01'26.40''to90˚03'36.00''E Longitude and 25˚25'40.80'' to 25˚27'50.40''N Latitude. There are 2(two) villages within the Watershed which are as follows –

1. Kimdegre. - 96 Nos.
2. Manwapara - 208 Nos

Total - 304 Nos.

2.2 Physiography:

The physiography of the micro-watershed is highly undulating. The altitude ranges from a minimum of 40 m to a high of 144 m above mean sea level. In the lower reaches (valley lands) the slope ranges from 1-5 % however, in the middle and upper reaches it is greater than 15 %, and can reach up to 50 %.

Table 2.1: Physiographic details

Elevation (metres)	Slope Range (%)	Order of watershed Sub/Micro-watershed	Major streams	Topography
43 - 144	1 – 50%	Micro Watershed	Gondu,Jongdik, Songgitcham, Makbilkol, Abreng, Apal, Dilni, Ganol.	Gentle sloping

2.3 Drainage:

The major stream draining the micro-watershed is Gondu which is a 2nd order stream flowing in a south-north direction. The slopes of the micro-watershed are dissected by numerous small tributaries and ultimately joining the Ganol river. .

2.4 Soil:

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

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

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

2.5 Climate:

The Watershed lies under Hot, moisture Agro-climatic zone . The average annual rainfall is about 3040mm. Monsoon normally starts in the middle of May and last till middle of October. About 80% of the total annual rainfall is received from June to September. May and June are the hottest month recording average maximum temperature of 32°C. December and January accounts for lowest of 10°C to 12°C.

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

1	2	3	4	5	6	7		8	9	
Sl. No.	Name of State	Name of the Agro-climatic zone	Area (in ha)	Names of the districts	Names of the Projects	Major soil types		Average annual rainfall in mm (preceding 5 years' average)	Major crops	
						a) Type	b) Area (ha)		a) Name	b) Area (ha)
1	Meghalaya	Hot, moisture.	500	West Garo Hills	WGH IWMP-VI	(a) Deep, excessively drained fine loamy soils. (b) Deep, poorly drained clay fine soil.	629.5 20.7	3040mm	Rice	60
									Maize	14
									Millet	25
									Ginger	30
									Arecanut	125
									Banana	15
								Total		**269 Ha**

2.5 Agriculture:

Agriculture is the primary occupation of the people of the area. The people mostly practice jhum. The jhum plots vary from 45-50 Ha, and are cultivated for 3-4 years. The principal agricultural crops grown on the jhum fields are potato, sweet potato, millet, maize, yam and vegetables. Fruit crops are well suited in the lower reaches which contribute to the income of the people.

Table 2.4: Crop yield and production

Crops	Area (ha)	Average Yield (Qtl) per ha.	Total Production (Qtl.)
Paddy	60	15	900
Maize	14	20	280
Millet	25	8	200
Ginger	30	35	1050
Arecanut	125	8	1000
Banana	15	Na	Na
Tapioca	8	30	240

2.6 Natural Vegetation:

The tree species common to the watershed area includes Shorea robusta, Albizzia lebbek, Albizzia procera, Bombax cieba and Bamboo spp(Dendrocalamus and Bambusa spp . However, due to jhum cultivation the forest cover of the area has reduced considerably.

2.7 Socio-Economic Profile:

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

Demographic Status: The total households in the watershed project is 65 with a total population of 304, of which 150 are male and 154 are female. The detail of the household in each of the villages in the watershed project is as follows:

1. Kimdegre	-	22 Nos
2. Manwapara	-	43 Nos
Total	-	65 Nos.

Infrastructure facilities **:**

2.1.1 ***Roads:*** All the villages within the Project Area are not connected by road. The Project area depends entirely on the kutcha road connected either to Salmanpara or Ampati.

2.1.2 ***School:*** There is only one Primary Adhoc Schools and one L.P school within the Project Area run by the Government.

2.1.3 ***Electricity :***There is no electricity connection in the project area.

2.1.4 ***Health :*** No Community Health Centre available in the project area. .

2.1.5 ***Water Supply :*** Two numbers of ring wells are present in the area. However, during lean season the entire population have to depend on springs available in the area as the supply is not sufficient to meet the daily requirement.

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

Table 2.5: Infrastructure Status.

1	2	3		4			
Name of District	Name of Project	Parameters:		Status			
WEST GARO HILLS	IWMP-VI	(i)	Whether connected to the main road by an all weather road	NIL			
		(ii)	No. of households without electricity	NIL			
		(iii)	No. of households without access to drinking water				
		(iv)	No. of educational institutions: Primary (P)/ Secondary (S)/ Higher Secondary (HS)/ Vocational institution (VI)	(P)	(S)	(HS)	(VI)
				2	NIL	NIL	NIL
		(v)	Distance of project village from nearest Primary Health Centre	8 km			
		(vi)	Distance of project village from nearest Veterinary Dispensary	8 km			
		(vii)	Distance of project village from nearest Post Office	15 km			
		(viii)	Distance of project village from nearest Banks	15 km			
		(ix)	Distance of project village from nearest Markets/ mandis	8 km			
		(x)	Distance of project village from nearest Agro-Industries	NIL			
		(xi)	Total quantity of surplus milk	NIL			
		(xii)	No. of milk collection centres (e.g. Union (U)/ Society (S)/ Private agency (PA)/ Others (O))	(U)	(S)	(PA)	(O)
				NIL	NIL	NIL	NIL
		(xiii)	No. of villages with access to Aganwadi Centres	1			
		(xiv)	No. of worship place	1			
		(xv)	No. of Community Hall	NIL			
		(xvi)	No. of water tanks/Ringwell/Spring chamber	2			

2.8 Livestock:

There are only 4 kinds of livestock farming being farmed in the area viz. Piggery, Poultry ,Goatery and Cattle .

Table 2.6: Existing livestock population

Type of Animal	Population
Piggery	50
Poultry	101
Goatery	35
Cattle	86
Total	**272**

2.9 Land ownership:

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

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
West Garo Hills	IWMP-VI	(i) Large(>5 Ha)	-	-	-	-	-
		(ii) Small(1-5 Ha)	-	-	-	-	-
		(iii) Marginal(<1 Ha)	61	-	-	363.21	363.21
		(iv) Landless	4	-	-	-	-
		Sub – Total	65	-	-	363.21	363.21

Table 2.5: Common Property Resources in the Project Area

1	2	3	4				5			
Name of District	Name of the Projects	CPR Particulars	Total Area (ha) Area owned/ In possession of				Area available for treatment (ha)			
			Pvt. Person	Govt. (specify deptt.)	PRI	Any other (Community)	Pvt. Person	Govt. (specify deptt.)	PRI	Any other (Community)
West Garo Hills	WGH IWMP-VI	(i) Wasteland/ degraded land	-	-	-	89.67	-	-	-	350
		(ii) Pastures	-	-	-	-	-	-	-	-
		(iii) Orchards	-	-	-	-	-	-	-	-
		(iv Private agriculture land	-	-	-	-	80	-	-	-
		(v) Forest	-	-	-	197.32	-	-	-	30
		(vi) Village Ponds/ Tanks	-	-	-	-	-	-	-	-
		(vii) Community Buildings	-	-	-	-	-	-	-	-
		(viii) Weekly Markets	-	-	-	Salmanpara	-	-	-	-
		(ix) Permanent Markets	-	-	-	Ampati	-	-	-	-
		(x) Temples/ Places of worship	-	-	-	Church- 1 No.	-	-	-	-
		(xi) Jhum Cultivation	-	-	-	-	-	-	-	-
		(xii)Permanent Cultivation	12.53	-	-	78.28	-	-	-	-
		(xiii) Habitation including streams	-	-	-	-	-	-	-	-
		(xiv) Others(please specify) Horticultural land	88.7	-	-	183.7	-			40
	Total		**76.83 Ha**			**548.97 Ha**	**80**	-	-	**420**

2.9 Land use and land cover : As per the land use land cover map the Watershed area has been broadly classified into the following land uses.

a) Agricultural land-crop land-kharif crop = 90.81 Ha

b) Tree clad Area-open = 197.32 Ha

c) Wastelands-open scrub = 89.67 Ha

d) Horticulture plantation = 272.40 Ha

Total = 650.2 Ha

2.10 Problems of the Area :

The primary problems of the area is jhumming. Majority of the population depends on Jhum Cultivation for their livelihood.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 pineapple, jackfruits etc do not find their way into the market which has resulted in poor socio-economic status of the people. However, to control or to overcome the said problems an innovative approach has been formulated and documented in the Action Plan or the Treatment Plan the Detailed Project Report. The method of identification of the problems is through the Participatory Rural Appraisal Exercises conducted in all the villages within the Watershed.

Further the major problems in the project area are :-

(i) Unsustainable exploitation of forest vegetation.
(ii) Absence of soil and water conservation measures.
(iii) Lack of technical knowledge on crop management and water management.
(iv) Poor socio economic set up.
(v) Fire hazards

The foresaid problem need to be integrated in the process of farming of landuse which will be acceptable to the village Communities as a whole. In other words, the physical resources, human resources and existing problems have to be compatible adjusted so as to ensure programmes objective fulfillment.

CHAPTER III

PROJECT PLANNING & INSTITUTION BUILDING

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3.1 Scientific Planning

i) Base Line Survey: To establish a benchmark for assessing the impact of any intervention (pre-project & post project) a baseline survey is essential. The baseline survey included household census & socio-economic survey by using structured and semi –structured questionnaires, bio-physical survey to identify and assess the status of natural resources in the project area.

ii) Participatory Rural Appraisal: To further obtain information on the project area, the people, resources, various PRA techniques like resource mapping, social mapping, seasonal calendars, matrix ranking, Venn diagrams were used.

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

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

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

1	2	2
	Remote sensing data-especially soil/ crop/ run-off cover	YES
	Ridge to Valley treatment	YES
	Online IT connectivity between	
	(1) Project and DRDA cell/ZP	YES
	(2) DRDA and SLNA	YES
	(3) SLNA and DoLR	YES
	Availability of GIS layers	
	1. Cadastral map	NO
	2. Village boundaries	NO
	3. Drainage	YES
	4. Soil (Soil nutrient status)	YES
	5. Land use	YES
	6. Ground water status	NO
	7. Watershed boundaries	YES
	8. Activity	YES
	Crop simulation models[#]	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	NO
	4. Bio-fertilizer	YES
	5. Water saving devices	YES
	6. Mechanized tools/ implements	NO
	7. Bio-fencing	YES
	8. Nutrient budgeting	YES
	9. Automatic water level recorders & sediment samplers	NO
	Any other (please specify)	

3.2 Project Implementing Agency:

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

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

3.3 Institution Building

i) Watershed Committee (WC)

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

Table 3.2: Details of Watershed Committees (WC):

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Names of the Districts	Names of projects	Names of WCs	Date of Registration as a Society (dd/mm/ yyyy)	Designa tion	M/F	SC	ST	SF	MF	LF	Land-less	UG	SHG	GP	Any other	Educa-tional qualify-cation	Function/s assigned#
W.G.H	W.G.H-IWMP-VI	Kimde	Under progress	President	M		ST									Class VIII	A to I
				Secretary	M		ST									M.Sc Forestry	A to I
				Member	5 M											Class II-VII	A to I
				Member	3 F												A to I
				Member													

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

ii) Self Help Group

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

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

1	2	3				4				5			6		
Names of the Districts	Names of projects	Total no. of registered SHGs				No. of members				No. of SC/ST in each category			No. of BPL in each category		
		With only Men	With only Women	With both	Total	Categories	M	F	Total	M	F	Total	M	F	Total
W.G. H	W.G.H IWMP -VI	1 No	1 No		2 No	(i) Landless									
						(ii) SF									
						(iii) MF	10	10	20	10	10	20	NA	NA	NA
						(iv) LF									

iii) User Group

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

Table 3.4: User Group Details

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

CHAPTER IV

PROJECT ACTIVITIES

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4.1 Preparatory Phase:

i) Entry Point Activities (EPA)

(Financial – Rs. in lakh)

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

ii) Other activities of Preparatory Phase:

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

4.2 Watershed Works Phase:

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

1	2	3	4	5	6			7										
Sl. No	Name of States	Name of Districts	Name of Projects	Type of structures	Pre Project			Proposed Project										
								Augmentation/ repair of existing structures				Construction of new structures				Total target			
					No	Area irrigated (ha)	Storage capacity	No	Area to be treated (ha)	Storage capacity	Estimated cost (in lakhs)	No	Area to be treated (ha)	Storage capacity (per unit)	Estimated cost (in lakhs)	No	Area to be treated (ha)	Storage capacity (m^3)	Estimated cost
1	Meghalaya	W.G.H	W.G.H-IWMP-VI	Dug out Pond	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				C.C Check cum irrigation dam	-	-	-	-	-	-	-	5	90	675 m^3	12.50	4	90	675 m^3	10.00
				Water harvesting farm pond	-	-	-	-	-	-	-	4	135	1012 m^3	10.00	4	135	1012 m^3	10.00
				Irrigation Channel	-	-	-	-	-	-	-	340 rmt	70	-	0.17	340 rmt	70	-	0.70
					-	-	-	-	-	-	-								
			Total										**335**	**2512** m^3	**22.67**		**335**	**2512** m^3	**22.67**

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

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

1	2	3	4	5	6		7									8								9
S. No.	Names of States	Names of Districts	Names of projects	Type of structures	Pre-project		Proposed target									Achievement due to project								Change in irrigated area (Col. 8-6) (ha)
							Augmentation/ repair of existing recharging structures			Construction of new recharging structures			Total target			Augmentation/ repair of existing recharging structures			Construction of new recharging structures			Total achievement		
					No.	Area irrigated (ha)	No.	Area to be irrigated (ha)	Estimated cost	No.	Area to be irrigated (ha)	Estimated cost	Area to be irrigated (ha)	Estimated cost		No.	Area irrigated (ha)	Expendi-ture incurred	No	Area irri-gated (ha)	Expendi-ture incurred	Area irri-gated (ha)	Expendi-ture incurred	
	Meghalaya	West Garo Hills	WGH IWMP-VI	(i)Dug out pond		NIL		NIL		5	10	5.31	10	5.31			NIL		0	0	0	0	0	
				Total for the project						**5**	**10**	**5.31**	**10**	**5.31**										

4.2.3 Activities executed by User Groups in the Project Areas.

4									
Major activities of the UGs – Achievements									
Structure/ activity				No. of UGs involved	Expenditure incurred (Rs.)	No. of mandays			Amount of WDF collected (Rs.)
Sl. No.	Type	No.#	Treated Area (ha.)			SC	ST	F	
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

4.2.4 Activities executed by User Groups in the Project Areas:

4									
Major activities of the UGs – Achievements									
Structure/ activity				No. of UGs involved	Expenditure incurred (Rs.)	No. of mandays			Amount of WDF collected (Rs.)
Sl. No.	Type	No.#	Treated Area (ha.)			SC	ST	F	
1	CC.C.Check Dam cum Irrigation	5	85	1	12.50	-	3000	2000	0.5
2	Stone masonry .Protection Wall	6	75	2	3.00	-	720	480	0.15
3	Earthen IrrigationChannel	340 rmt	65	2	0.17	-	102	68	0.085
Total			**205**	**5**	**13.5275**				**0.860**

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

1	2	3		
Names of the Districts	Names of projects	Major activities of the SHGs		
		Name of activity	No. of SHGs involved	Average annual income from activity per SHG
W.G.H	W.G.H-IWMP-VI	Piggery/ Poultry	4	1.50
	Total		**4**	**1.50**

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

4	5				6	7	8			9	10
No. of SHGs given training	Total assistance received by the SHG (Amount in Rs.)				Total annual Income generated (Rs.)	Total annual Savings (Rs.)	No. of SHGs Graded as			Total Amount of loan sanctioned by the bank(s)	No. of SHGs federated
	Loan from revolving fund	Training	Material	Others (pl. specify)			I	II	III		
	NIL	1.60	NIL	Piggery/ Poultry	1.50	-					

4.2.7 Other activities of watershed works phase:

1	2	3		4		5		6		7		8		9		10		11		12		13
District	Names of projects	Ridge area treatment		Drainage line treatment		Nursery raising		Land development		Crop demonstrations		Horticulture & Cash Crop Development		Veterinary services		Fishery development		Non-conventional energy		Any other (please specify)		Total cost incurred (Rs. In lakhs)
		(a)	(b) (Rs)	(a)	(b) (Rs)	(a)	(b) (Rs)	(a)	(b) (Rs)	(a)	(b)	(a)	(b)	(a)	(b) (Rs)	(a)	(b) (Rs)	(a)	(b)	(a)	(b)	
W G H	W.G.H IWMP-VI	i)Improvement of degraded forest(10 Ha)	1.08	i)check dam ii)protection wall iii)dugout pond iv)farm pond v)channel	12.50 3.00 5.31 10.00 0.17			i)Wet Terrace(15 Ha)	2.00	-	-	i)Rubber plantation(40 Ha) ii)Arecanut plantation (25Ha)	1.72 1.72	Piggery/ Poultry	2.16	Pisciculture	1.70	-	-	i)Kitchen Gardening(160Unit ii)tailoring iii)weaving iv)Basketing making v)rice mill vi)Agriculture implements. v)Carpentry vi)Grocery	0.25 2.24 4.80 0.15 2.00 1.15 0.10 2.70	
	Total		**1.08**		**30.98**				**2.00**				**3.44**		**2.16**		**1.70**				**13.39**	**54.75**

4.2.8

Details of engineering structures in watershed works:

1	2	3	4			5			6	7						8							
District	Project	Name of structures	Type of treatment			Type of land			Executing agency	Target						Achievement							
			(i) Ridge area (R)	Drainage line (D)	Land Dev. (L)	Private	Com-munity	Others (pl. specify)	(i) UG (ii)SHG (iii) Other (pl. specify)	No. of units (No./ cum./ rmt)	Estimated cost (Rs. in lakh)				Expected month & year of completion (mm/yyyy)	No. of units (No./ cu.m./ rmt)	Expenditure incurred (Rs. in lakh)				Status of comple-tion	Actual month & year of completion (mm/yyyy)
											M	W	O	T			M	W	O	T		
W.G.H	W.G.H-IWMP-VI	C.C.Check cum irrigation Dam		D			Community		UG/WC	4 Nos.	7.5	5		12.5	3 yrs							
										.												
		Stone masonry Protection Wall		D			Community		UG/WC	6 Nos	1.8	1.2		3	3 yrs							
		Wet Terrace			L	Private			UG/WC	10 Ha		2.00		2.00	3 yrs							
		Dug-out Pond		D		Private			UG/WC	17 Nos		5.31		5.31	3 yrs							
		Earthen Irrigation Channel		D			Community		UG/WC	340 Rmt		0.17		0.17	3 yrs							
		Water harvesting farm pond		D					UG/WC	4 Nos	6	4		10	3 yrs							
		Total									15.3	17.68		32.98								

4.2.9 Details of engineering structures in watershed works.

9																		
Outcomes																		
Reduction in run off (cu.m)	Area treated# (ha)	Water level (m)		Production (quintal)		Income (Rs.)		Mandays generated					No. of beneficiaries					
		Pre-project	Post project	Pre-project	Post project	Pre-project	Post project	SC	ST	Others (Men)	Women	Total	SC	ST	Others	Women	Total	
NA	420	NA	NA	Paddy (18 Qtls)	Paddy (33 Qtls)	22,000	40,000		3,878		2,586	6,464		48		18	66	
				Maize (15 Qlts)	Maize (20 Qlts)	10,000	14,300											

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

1	2	3	4			5			6	7				8			
District	Project	Name of structure/ work	Type of treatment			Type of land			Executing agency	Target				Achievement			
			(i) Ridge area (R)	(ii) Drainage line (D)	(iii) Land dev. (L)	(i) Private	(ii) Community	(iii) Others (pl. specify)	(i) UG (ii)SHG (iii) Others (pl. specify)	Area (ha)	No. of plants	Estimated cost (Rs. in lakh)	Expected month & year of comple-tion (mm/ yyyy)	Area (ha)	No. of plants	Expendi-ture incurred (Rs. in lakh)	Actual month & year of comple-tion (mm/ yyyy)
W.G.H	IWMP-VI	Improvement of Degraded Forest					√		WC/UG	10	10000	0.36	3 yrs				
		Arecanut				√			Farmer	25	30,000	1.72	3 yrs				
		Rubber				√			Farmer	40	18,000	1.72	3 yrs				
		Total								**75**		**3.44**					

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

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

9																
Outcomes																
Name of activities	Reduction in run off (cu.m)	Production (quintal)		Income (Rs.)		Mandays generated					No. of beneficiaries					
		Pre-project	Post project	Pre-project	Post project	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total	
Improvement of Degraded Forest	NA	0					240		120	360		50		32	82	
Rubber Plantation	NA	0	120	0	1440,000		4000		2000	6000		25		15	40	
Arecanut	NA	300	770	240,000	620,000		2300		1120	3420		28		14	42	
Total		**300**	**890**	**240,000**	**2056,000**		**6540**		**3240**	**9780**		**103**		**61**	**164**	

4.2.12 Details of allied / other activities:

1	2	3	4			5	6		7	
District	Project	Name of activity@	Type of land			Executing agency	Target		Achievement	
			(i) Private	(ii) Community	(iii) Others (landless)	(i) UG (ii)SHG (iii) Others (pl. specify)	Estimated cost (Rs. in lakh)	Expected month & year of completion (mm/yyyy)	Expendi-ture incurred (Rs. in lakh)	Actual month & year of completion (mm/yyyy)
West Garo Hills	IWMP-VI	Kitchen Gardening				Private	0.25	3 yrs		
		Agriculture implements		√		SHG/UG	1.15	3 yrs		
		Piggery/ Poultry		√		SHG/UG	2.16	3 yrs		
		Tailoring		√		SHG/UG	2.24	3 yrs		
		Weaving	√			SHG/UG	4.80	3 yrs		
		Basket making	√			Private	0.15	3 yrs		
		Fingerlings	√			Private	0.25	3 yrs		
		Carpentry	√			Private	0.10	3 yrs		
		Rice mill		√		SHG/UG	2.00	3 yrs		

(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 coulmn no. 7, agency-wise totals, from column no. 8, total estimated cost, from column no. 9, total expenditure incurred, structure-wise no. of completed works, from column no. 10, item-wise totals, for the entire country may be indicated at the end of the table

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

4.2.13 Details of allied / other activities:

	8												
	Outcomes												
	Income (Rs.)		Mandays generated					No. of beneficiaries					
Name of activities	Pre-project	Post project	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total
Kitchen Gardening	5000-6000	20,000-25,000							20	NIL	10	30
Piggery	25,000-30,000	60,000-70,000								NIL	30	30
Poultry	13,000-15,000	40,000-45,000								NIL	30	30
Fingerlings	NIL	50,000-60,000							15	NIL	10	25
Rubber budded poly bag nursery	NIL	85,000-90,000								NIL	30	30
	Total								**35**		**110**	**145**

4.3 Consolidation and withdrawal phase

Details of activities in the CPRs in the project areas:

1	2	3	4	5	6				7						
					Target				Achievement						
Names of the Districts	Names of projects	Name(s) of the villages	CPR particulars	Activity proposed	Target area under the activity (ha)	Estimated expenditure (Rs.)	Expected no. of beneficia-ries	Estimated contri-bution to WDF (Rs.)	Area treated under the activity (ha)	Expenditure incurred (Rs.)	Actual no. of benefici-aries	No. of mandays			WDF collected (Rs.)
												SC	ST	F	
West Garo Hills	WGH IWMP-VI	Kimde	Repairing maintanance of CPR's			0.875		0.04375							
		Manwapara													

CHAPTER V

PROJECT PHASING & BUDGETING

CHAPTER V

PROJECT PHASING & BUDGETING

ACTION PLAN OF KIMDE MICRO WATRSHED (IWMP) UNDER TERRITORIAL DIVISION, TURA.

Name of District : West Garo Hills — **No. of villages Covered : 2 nos.**

Name of C. & R. D. Block : Rongram — **Project Area : 250.00 Ha.**

(Figures in lakh)

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Sl. No.	Activities	I st Yr. (6%)		II nd Yr. (14%)		III rd Yr. (50%)		IV th Yr. (25%)		V th Yr. (5%)		Total 100%	
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
I	**Management Cost :**												
A	**Administrative Cost : 10 %**	-	-	2%	1.50	5%	3.75	3%	2.25	-	-	10%	7.50
	i) Honorarium of 1 WDT Member @ Rs.8000/- per month	-	-	-	0.16	-	0.96	-	0.48	-	-	-	1.60
	ii)Honorarium of watershed Committee Chairman @ Rs. 500/- per month	-	-	-	0.06	-	0.06	-	0.06	-	-	-	0.18
	iii) Honorarium of WCM @ Rs200/- per member per month	-	-	-	0.216	-	0.216	-	0.216	-		-	0.648
	iv) Honorarium of Chartered Accountant	-	-	-	0.16	-	0.20	-	0.20	-	-	-	0.56
	v) TA/DA of Field Asst. @ Rs.5000/- per month	-	-	-	0.30	-	0.60	-	0.30	-	-	-	1.20
	vi) Hiring Charges of Office Building @ Rs.1000/- per month	-	-	-	0.12	-	0.12	-	0.12	-	-	-	0.36
	vii) Hiring Charges of Vehicles @ Rs.5000/- per month	-	-	-	0.30	-	0.60	-	0.60	-	-	-	1.50
	viii)Office expenses, POL, Stationeries,Printing of SHG books, pamphlets, tea & snacks, cost of camera etc.	-	-	-	0.184	-	0.994	-	0.274	-	-	-	1.452
	Total Of 'A'			2%	1.50	5%	3.75	3%	2.25			10%	7.50
	Preparatory Phase :												
B	**Entry Point Activities ; 4 %**	4%	3.00									4%	3.00
	i) Construction of Spring Chamber @ Rs. 60000/- per no.	3	1.80	-	-	-	-	-	-	-	-	3	1.80
	ii) Construction of Ringwell @ Rs.60000/- per no.	2	1.20	-	-	-	-	-	-	-	-	2	1.20
	Total of 'B'	4%	3.00									4%	3.00

...C.O...

1	2	3	4	5	6	7	8	9	10	11	12	13	14
C.	***Institution & Capacity Building ; 5 %***	*1%*	*0.75*	*2%*	*1.50*	*1%*	*0.75*	*1%*	*0.75*			*5%*	*3.75*
	i) Awareness Campaign	*-*	*0.20*	*-*	*0.20*	*-*	*0.15*	*-*	*0.20*	*-*	*-*	*-*	*0.75*
	ii) Exposure visits off-campus	*-*	*-*	*-*	*0.5*	*-*	*0.3*	*-*	*0.35*	*-*	*-*	*-*	*1.15*
	iii)Capacity Building of SHGs/UGs	*-*	*0.20*	*-*	*0.40*	*-*	*0.20*	*-*	*0.20*	*-*	*-*	*-*	*1.00*
	iv) Capacity Building of WC members	*-*	*0.15*	*-*	*0.40*	*-*	*0.10*	*-*	*-*	*-*	*-*	*-*	*0.65*
	v) Capacity Building of WDT/W Volunteer	*-*	*0.20*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*0.20*
	Total of 'C'	***1%***	***0.75***	***2%***	***1.50***	***1%***	***0.75***	***1%***	***0.75***			***5%***	***3.75***
D.	***Detail Project Report (DPR) - 1%***	***1%***	***0.75***									***1%***	***0.375***
	i) Cost of Resources Inventories works	*-*	*0.25*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*0.25*
	ii) Cost of PRA	*-*	*0.10*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*0.10*
	iii) Cost of Land use survey	*-*	*0.25*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*0.25*
	iv) Cost of formulating	*-*	*0.15*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*0.15*
	Total of 'D'	***1%***	***0.75***									***1%***	***0.75***
E.	***i) Monitoring - 1%***	*-*	*-*	*-*	***0.15***	*-*	***0.375***	*-*	***0.225***	*-*	*-*	*1%*	*0.75*
				0.2%	***0.15***	***0.5%***	***0.375***	***0.3%***	***0.225***			***1%***	***0.75***
F.	***ii) Evaluation - 1%***	*-*	*-*	*-*	*0.225*	*-*	*0.375*	*-*	*0.15*	*-*	*-*	*1%*	*0.75*
	Total of 'E'			***0.3%***	***0.225***	***0.5%***	***0.375***	***0.2%***	***0.15***			***1%***	***0.75***
	Total of I (A to F)	***6%***	***4.5***	***4.5%***	***3.375***	***7%***	***5.25***	***4.5%***	***3.375***			***22%***	***16.50***
II	***Watershed Works Phase : 50 %***			***7.50%***	***5.625***	***35%***	***26.25***	***7.50%***	***5.625***			***50%***	***37.50***
A.	***Arable Land Treatment :***												
	iii) Terracing - @ Rs.20000/- ha.	*-*	*-*	*6*	*1.20*	*-*	*-*	*4*	*0.80*	*-*	*-*	*10*	*2.00*
	Total of 'A'				***1.20***				***0.80***				***2.00***
B.	***Non-Arable Land Treatment :***												
	a) Arecanut Plantation - Prelim. @ Rs.1300/- per ha.	*-*	*-*	*20*	*0.26*	*-*	*-*	*-*	*-*				*0.26*
	1st year Planting @ Rs.4600/- per Ha.	*-*	*-*	*-*	*0.92*	*-*		*-*	*-*	*-*	*-*		*0.92*
	2nd year Planting @ Rs. 2700/- per Ha.	*-*	*-*	*-*	*-*	*-*	*0.54*	*-*	*-*	*-*	*-*		*0.54*
	b) Imprvt .of Degraded Forest -Prelim. @ Rs.700/- per Ha.	*-*	*-*	*30*	*0.21*	*-*	*-*	*-*	*-*	*-*	*-*		*0.21*
	1 st year Planting @ Rs. 1900/- per Ha.	*-*	*-*	*-*	*0.57*	*-*	*-*	*-*	*-*	*-*	*-*		*0.57*
	2 nd year Planting @ Rs. 1000/- per ha.	*-*	*-*	*-*	*-*	*-*	*0.30*	*-*	*-*	*-*	*-*		*0.30*

1	2	3	4	5	6	7	8	9	10	11	12	13	14
	c)Rubber pltn. - Pelim. @ Rs.1300/-per ha.	-	-	*20*	*0.26*	-	-	-	-	-	-		*0.26*
	1st year Planting @ Rs.4600/- per Ha.	-	-		*0.92*	-	-	-	-	-	-		*0.92*
	2 nd year Planting @ Rs. 2700/- per ha.	-	-	-	-	-	*0.54*	-	-	-	-		*0.54*
	Total of B				***3.54***		***1.38***						***4.52***
C.	***Drainage Line Treatment :***												
	i) C.C. Irrigation Dam	-	-	-	-	*4*	*10.00*	*1*	*2.50*	-	-		*12.50*
	ii) W/H Farm Pond	-	-	-	-	*4*	*10.00*			-	-		*10.00*
	iii) Dug out-cum-Fishery Pond	-	-	*1*	*0.885*	*2*	*1.77*	*3*	*2.655*	-	-		*5.31*
	iv) Protection Wall	-	-	-	-	*6*	*3.00*	-	-	-	-		*3.00*
	v) Earthen Irrigation Channel @ Rs.50/-per R/m	-	-	-	-	*199*	*0.0995*	*140*	*0.07*	-	-		*0.17*
	Total of 'C'				***0.8850***		***24.87***		***5.225***				***30.98***
	Total of II (A to C)			***7.5%***	***5.625***	***35%***	***26.25***	***7.5%***	***5.625***			***50%***	***37.50***
III	***Livelihood Activities for Assetless Person - 10%***			*1%*	*0.75*	*3%*	*2.25*	*6%*	*4.50*			*10%*	*7.50*
	i) Kitchen Garden @ Rs.2500/- per unit	-	-	*3*	*0.05*	*6*	*0.15*	*2*	*0.05*	-	-		*0.25*
	ii) Pisciculture @ Rs. 10000/- per unit	-	-	*3*	*0.30*	*4*	*0.40*	*10*	*1.00*	-	-		*1.70*
	iii)Agricultural Implements @ Rs. 5000/- per unit	-	-	-	-	*2*	*0.10*	*21*	*1.05*				*1.15*
	iv) Tailoring @ Rs. 8000/- per unit	-	-	-	*0.24*	*10*	*0.80*	*15*	*1.20*				*2.24*
	v) Poultry/Piggery @ 8000/- per unit	-	-	-	*0.16*	*10*	*0.80*	*15*	*1.20*				*2.16*
	Total of ***III***			***1%***	***0.75***	***3%***	***2.25***	***6%***	***4.50***			***10%***	***7.50***
IV	***Production System & Micro Enterprises - 13%***			*1%*	*0.75*	*5%*	*3.75*	*7%*	*5.25*			*13%*	*9.75*
	i) Grocery @ Rs. 30000/- per unit	-	-		*0.30*		*1.50*		*0.90*				*2.70*
	ii)Weaving @ Rs. 30000/- per unit	-	-		*0.30*		*1.20*		*3.30*				*4.80*
	iii)Basket Making @ Rs.2500/- per unit	-	-		*0.05*		*0.05*		*0.050*				*0.15*
	iv)Carpentry @ Rs. 5000/- per unit				*0.10*		-		-				*0.10*
	v) Rice Mill @ Rs. 50000/- per unit	-	-		-		*1.00*		*1.00*				*2.00*
	Total of IV			***1%***	***0.75***	***5%***	***3.75***	***7%***	***5.25***			***13%***	***9.75***

1	2	3	4	5	6	7	8	9	10	11	12	13	14
V	***Consolidation & withdrawal Phase - 5 %***									***5%***	***3.75***	***5%***	***3.75***
	i) Repairing & maintenance of CPR's	-	-	-	-	-	-	-	-	-	*1.75*	-	*1.75*
	ii) Improving the sustainability of various intervention	-	-	-	-	-	-	-	-	-	*1.00*	-	*1.00*
	iii)Documentation of successful experience and preparation of Completion Report.	-	-	-	-	-	-	-	-	-	*1.00*	-	*1.00*
	Total of V									***5%***	***3.75***	***5%***	***3.75***
	Grand Total (I + I I + III +I V +V)	***6%***	***4.5***	***14%***	***10.50***	***50%***	***37.50***	***25%***	***18.75***	***5%***	***3.75***	***100%***	***75.00***

Deputy Commissioner,
West Garo Hills, Tura
Meghalaya.

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

VILLAGEWISE ACTION PLAN OF KIMDE MICRO WATERSHED UNDER IWMP - VI
TERRITORIAL DIVISION : TURA .

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

No. of village : 2 noS.
Project Area : 500 Ha.

Sl. No.	Activities	Kimdegre		Manwapara		Total	
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	2	3	4	5	6	7	8
I	***Watershed works Phase :***						
A.	**Non Arable Land Treatment :**						
	i) Rubber Plantation @ Rs8600/- per Ha.	10	0.86	10	0.86	20	1.72
	ii) Arecanut Plantation @ Rs. 8600/- per Ha.	10	0.86	10	0.86	20	1.72
	iii)Degraded Forest @ 3600/-	15	0.54	15	0.54	30	1.08
B.	**Arable Land Treatment :**						
	T erracing	6	1.20	4	0.80	10	2.00
C.	**Drainage Line Treatment :**						
	i) Irrigation Dam @ Rs. 250000/- per no.	*3*	*7.50*	2	5.00	*5*	*12.50*
	ii) W/H Farm Pond @ Rs. 250000/- per no.	*2*	*5.00*	2	5.00	*4*	*10.00*
	iii) Dug out Pond @ Rs. 50000/- per no.	*3*	*2.655*	3	2.655	*6*	*5.31*
	iv) Protection Wall @ Rs. 50000/- per no.	*3*	*1.50*	3	1.50	*6*	*3.00*
	v) Earthen. Channel @ Rs.50/- per R/m	*199*	*0.0995*	140	0.07	*339*	*0.1695*
III	**Livelihood Activities for Assetless**						
	i) Kitchn Gardn @ Rs. 2500/- per unit	*6*	*0.15*	5	0.125	*11*	*0.25*
	ii) Pisciculture @ Rs. 10000/- per unit	*10*	*1.00*	7	0.70	*17*	*1.70*
	iii)Tailoring @ 8000/-	10	0.80	15	1.20	25	2.24
	iv) Poultry @ 8000/-	15	1.20	12	0.96	0.96	2.16
IV	**Production System and Micro ss**						
	i) Grocery @ Rs. 30000/-	4	1.20	3	0.90	7	2.70
	ii)Weaving @ .30000/-	4	1.20	3	0.90	7	2.70
	iii)Carpentry @ 5000/-	1	0.05	1	0.05	2	0.10
	iv) Rice Mill	2	1.00	2	1.00	4	2.00

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

1	2	3	4	5	6		7	8	9	10				11				
SL No	Name of State	Name of Districts	Names of Projects	Year of sanction	Project duration (dd/mm/yyyy)		Area of the projects	Project cost (Rs. In lakh)	Names of Micro watersheds & Code nos. (as per DoLR's unique codification)	Area (ha) of the projects				Area details (ha) (falling within the projects)				
					From	To				Cultivated rainfed area	Cultivated irrigated area	Uncultivated wasteland		Agri. Land	Forest land	Comm unity land	Others (pl. specify)	Total area (ha)
												a) Temporary fallow	b) Permanent				Horti.	
1	Meghalaya	West Garo Hills	W.G.H IWMP-VI	2010	2010	31/3/2015	500	7.5	Kimde	0	470	30	0	70	30	0	400	**500**

Fund provision for the IWMP projects from all sources:

1	2	3		4										5
District	Name of Projects	IWMP Fund		Funds from other sources in addition to IWMP funds										Total
				Convergence funds		PPP		Community		Institutional finance		Others (Pl. specify)		
WGH	WGH-IWMP-VI	Central Share	State Share	Name of Scheme	Amount (Lakhs)	Name of private sector	Financial contri-bution	Name	Financial contri-bution	Name	Financial contri-bution	Name	Financial contri-bution	
Meghalaya	W.G.H IWMP-VI	67.50	7.50	NREGS	73.752	nil	nil	nil	nil	nil	nil	nil	nil	**148.752**

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

1	2	3	4	5				6				
Sl. No.	Names of States	Name of Districts	Names of Projects	Distt. Agency's Project Account details				Watershed Committee (WC) account details:				
				Name of the Bank and Branch where project account has been opened	Account Number (to be obtained confiden-tially)	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 confiden-tially	Account type (Savings/ current others)	Name & Designation of authorized persons who operate the account.
1	Megha laya	W.G.H	W.G.H IWMP-VI	Tura Axis Bank	91102000-9285531	Current	Shri. Garry Mitchell K. Marak	Kimde	Tura Axis Bank	91102000-9285531	Current	Chairman W.C Secretary W.C Project Leader/WDT

Details of Convergence of IWMP with other Schemes:

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

Public-Private Partnership in the IWMP projects: NIL

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

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

CHAPTER VI
CAPACITY BUILDING

CHAPTER VI
CAPACITY BUILDING

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

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

1	2	3	4	5	6	7	8	9				
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[$]	Accre-ditation details	Performance				
								Refer-ence Year	No. of trainings assigned	No. of trainees to be trained	No. of trainings conducted	No. of trainees trained
1	Meghalaya	NIRD (NER)	Guwahati	Director	Central Govt.	Remote Sensing, Rural Devt.	NA					
2		SIRD	Nongsder	Director	State Govt.	Capacity Building	NA					
3		RRTC	Umran Meghalaya	Director	Don-Bosco	Agri-Horti, Animal Husbandry, Entrepreneurship	NA					
4		ICAR/ KVIC	Umiam/Tura Meghalaya	Director	Central Govt.	Do	NA					
5		MRDS	Shillong Meghalaya	Director	State Govt.	Animal Husbandry	NA					
6		NEHU	Shillong/Tura Meghalaya	Director	Central Govt.	Agri-Horti, Fruit Processing	NA					

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

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

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

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

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

1	2	3	4	5	6		7	
Project Stakeholders	**Total no. of persons**	**No. of persons trained so far**	**No. of persons to be trained during current financial year**	**No. of persons trained during current financial year**	**Sources of funding for training**		**Funds utilized (Lakhs)**	
					a) DoLR	**b) Any other (Pl. specify)**	**a) DoLR**	**b) Any other (Pl. specify)**
PIAs	10	NIL	10	NIL	3.75	NIL	0.75	NIL
WDTs	5	NIL	5	NIL				
UGs	40	NIL	40	NIL				
SHGs	50	NIL	50	NIL				
WCs	10	NIL	10	NIL				
GPs	NIL	NIL	NIL	NIL				
Community	280	NIL	280	NIL				
Others Pl. specify)								
TOTAL	**395**	**0**	**395**	**0**	**3.75**	**0**	**0.75**	**0**

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

	1	2	3	4	5
	Activity	**Executing agency**	**Estimated expenditure (Rs.)**	**Expenditure incurred (Rs.)**	**Outcome (may quantity, wherever possible)**
1.	Resources Inventories Works	S&WC (T) Division	0.25	-	-
2	Land Use Survey Works	S&WC (T) Division	0.25	-	-
3	Cost of formulating	S&WC (T) Division	0.15	-	-
		Total	**0.65**	-	-

CHAPTER VII

EXPECTED OUTCOME

CHAPTER VII
EXPECTED OUTCOME

Table 7.1 Employment related outcomes:

Sl No	Name of Village	1										2				
		Wage employment										Self employment				
		No. of mandays					No. of beneficiaries					No. of beneficiaries				
		SC	ST	Others	Women	Total	SC	ST	Others	Women	Total	SC	ST	Others	Women	Total
1.	Kimdegre		3006		2664	5670		120		62	182		15		8	23
2.	Manwapara		7290		4200	11490		180		97	277		25		18	43
	Total		**10296**		**6864**	**17160**		**200**		**159**	**459**		**40**		**26**	**66**

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 form column no. 11, average income from occupation during migration, for the entire country may be given at the end of the Table.

Table 7.3 Economic benefits accrued to women:

1		2		3		4
Wages		**Training**		**Livelihoods**		
Woman days	**Amount (Rs. in lakh)**	**No. of women participants**	**Amount (Rs. in lakh)**	**No. of women beneficiaries**	**Value of assistance provided (Rs. in lakh)**	**Total (Rs. in lakh)**
6864	10.70	66	0.40	20	3.00	14.10

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

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

1	2	3	4	5	6	7				8
Names of the Districts	**Names of the projects**	**Names of the villages**	**Particular of CPR**	**Nature of right**	**Period of right**	**Beneficiary details (no. of families)**				**User Charges (Rs.)**
						SC	**St**	**Others**	**Total**	
Meghalaya	W.G.H IWMP-VI	Kimdegre	Reserved forest	FW/MFP/ T	Unspecified		43		43	
			Spring Chamber	Wd	Unspecified		18		18	
			Check dam	Wi	Unspecified		30		30	
			Irrigation Channel	Wi	Unspecified		30		30	
		Manwapara	Reserved forest	FW/MFP/ T	Unspecified		23		23	
			Spring Chamber	Wd	Unspecified		12		12	
			Check dam	Wi	Unspecified		15		15	
			Irrigation Channel	Wi	Unspecified		15		15	

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

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

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

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

Table 7.5 Water related outcomes:

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

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

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

Table 7.5.2 Status of Drinking water:

1	2	3			4			5
District	**Name of the project**	**Availability of drinking water (no. of monyhs in a year)**			**Quality of drinking water**			**Comments**
		Pre-project	**Post-project**	**Change in availability**	**Pre-project**	**Post-project**	**Change in quality**	
Meghalaya	WGH IWMP-VI	Insufficient	Sufficient	10-12 months	Moderate	Improved	Better drinking water supply	

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

Table 7.5.3 Water Use efficiency:

1	2	3	4			
District	**Name of the project**	**Name of major crop**	**Water savings in cu.m.**			
			through water saving devices[$]	**through water conserving agronomic practices[#]**	**Any other (pl specify)**	**Total**
W.G.H	WGH IWMP-VI	Paddy	NA	NA	NA	
		Maize	NA	NA	NA	

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

[$] Sprinkler, Drip, PVC pipe, etc.

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

Table 7.6: Vegetation/ crop related outcomes:

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

1	2	3	4						5						6					
Names of the Districts	**Name of Projects**	**Name of crops**	**Pre-project**						**Mid-term**						**Post-project**					
			Area (ha)		**Average Yield (Qtl) per ha.**		**Total Production (Qtl)**		**Area (ha)**		**Average Yield per ha (Qtl)**		**Total Production (Qtl)**		**Area (ha)**		**Average Yield per ha (Qtl)**		**Total Production (Qtl)**	
			Irri	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**	**Irri**	**Rf.**
W.G.H	WGH IWMP-VI	Paddy	-	142.97	-	12	-	1715.64	-	62.1	-	15	-	931.5	167.07	38	16	15	2673.12	570
		Maize	-	40	-	26	-	1040	-	33	-	24	-	792		33		24	-	792
		Vegetable	-	5	-	30	-	150	-	5	-	30	-	150	6	4	36	30	216	150
			-	**187.97**	**-**	**68**	**-**	**2905.64**	**-**	**100.1**	**-**	**69**	**-**	**1873.5**	**173.07**	**75**	**52**	**69**	**2889.12**	**1512**

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

Irri. – Irrigated Rf – Rainfed

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

1	2	3	4	5	6						7						8					
Sl No.	Names of States	Names of the Districts	Name of Projects	Name of crops	Pre-project						Mid-term						Post-project					
					Area (ha)		Average Yield (Qtl) per ha.		Total Production (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)		Area (ha)		Average Yield per ha (Qtl)		Total Production (Qtl)	
					Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.	Irri	Rf.
	Meghalaya	West Garo Hills	IWMP-VI		Paddy	-	-	-	-	-	559.2	-	136.6	-	15	-	2049	197	-	15	-	2955
					Vegetables	-	-	-	-	-	-	-	6	-	36	-	216	6	-	36	-	216
					Total	**-**	**-**	**-**	**-**	**-**	**559.2**	**-**	**142.6**	**-**	**51**	**-**	**2265**	**203**	**-**	**51**	**-**	3171

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

Irri. – Irrigated Rf – Rainfed

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

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

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

Irri. – Irrigated Rf – Rainfed

Table 7.6.4 Increase/ Decrease in area under fodder:

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

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

Table 7.6.5 Increase/ Decrease in Forest/vegetation cover:

1	2	3	4			5		
District	Name of project	Duration of Project	Existing area tree cover (ha)			Achievement (ha)		
			Source/Name of report	Year of reference	Area already under forest/vegetative cover	Forest/vegetative cover area proposed to be covered under IWMP	Forest/vegetative cover area actually covered under IWMP	Change in forest/vegetative cover area
W.G.H	W.G.H IWMP-VI	5 yrs	Land use survey conducted by the Department	2010	36.50	30	-	66.50

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

Table 7.6.6 Increase/ Decrease in area under horticulture:

1	2	3	4			5		
			Existing area under horticulture (ha)			Achievement (ha)		
District	Name of project	Duration of Project	Source/Name of report	Year of reference	Area already under horticulture	Area under horticulture proposed to be covered through IWMP	Area under horticulture actually covered through IWMP	Change in area under horticulture
W.G.H	W.G.H IWMP-VI	5 yrs	Land use survey conducted by the Department	2010	272.40	40	-	312.4

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

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

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

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

Table 7.7 Livelihood related outcomes:

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

1	2	3	4			5			6			7
Names of the Districts	**Name of Projects**	**Type of Animal**	**Pre-project**			**Mid-term**			**Post-project**			**Remarks**
			No.	**Yield**	**Income**	**No.**	**Yield**	**Income**	**No.**	**Yield**	**Income**	
West Garo Hills	W.G.H IWMP-VI	Cattle	94	250	7500	94	250	7500	-	-	-	Use for ploughing & local consumption self production earning.
		Piggery	50	-	125000	50		125000	65	-	175000	
		Poultry	103	-	14000	103	-	14000	150	-	20000	
		Goatery	35	50	3750	35	50	3750	-	-	-	
	Total for all projects		282	300	150250	282	300	150250	215	-	195000	

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

Table 7.7.2 Details of other livelihoods created for landless people:

1	2	3	4	5				6	7					8					
District	Project	Name of activity	Fund required for the activity (Rs.)	Sources of funding (Rs.)				Actual Expenditure incurred on activity (Rs.)	No. of beneficiaries trained					No. of beneficiaries taking up activity				
				Project Fund	Benefi-ciary	Others (pl. specify)	Total		SC	ST	Others	Women	Total	SC	ST	Others	Women	Total
West Garo Hills	WGH IWMP-VI	Kitchen gardening	-	4.00	-	-	4.00	-	-	-	-	-	-	-	-	-	-	-
		Dug out Pond	-	3.00	-	-	3.00	-	-	-	-	-	-	-	-	-	-	-
		Rice Mill		0.50			0.50											
		Total	**-**	**7.50**	**-**	**-**	**7.50**	-	-	-	-	-	-	-	-	-	-	-

(Contd.)

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

Table 7.7.3 Details of other livelihoods created for landless people:

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

Table 7.7.4 Details of other livelihoods created for farmers:

1	2	3	4	5				6	7				8			
District	Project	Name of activity	Fund required for the activity (Rs.) in lakhs	Sources of funding (Rs.) in Lakhs				Actual Expenditure incurred on activity (Rs.)	No. of farmers trained				No. of farmers taking up activity			
				Project Fund	Benefi -ciary	Others (pl. specify)	Total		SF	MF	LF	Total	SF	MF	LF	Total
West Garo Hills	WGH IWMP-VI	Wet Terrace	2.00	2.00			2.00	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Dug-out Pond	5.31	5.31			5.31	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Rubber Plantation	1.72	1.72			1.72	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Arecanut Plantation	1.72	1.72			1.72	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Pisciculture	1.70	1.70			1.70	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Kitchen garden	0.25	0.25			0.25	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		tailoring	1.70	1.70			1.70	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
		Piggery/Poultry	2.16	2.16			2.16	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

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

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

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

Table 7.8 Marketing related outcomes:

Backward-Forward linkages *

1	2	3	4	5	6
District	**Project**	**Type of Marketing Facility**	**Pre-project (no.)**	**During the project (no.)**	**Post-project (no.)**
WEST GARO HILLS	**IWMP-VI**	**(A) Backward linkages**			
		(i) Seed certification	NIL	NIL	NIL
		(ii) Seed supply system	NIL	NIL	NIL
		(iii) Fertilizer supply system	NIL	NIL	NIL
		(iv) Pesticide supply system	NIL	NIL	NIL
		(v) Credit institutions	1	2	3
		(vi) Water supply	NIL	3	3
		(vii) Extension services	NIL	NIL	NIL
		(viii) Nurseries	NIL	NIL	NIL
		(ix) Tools/machinery suppliers	NIL	NIL	NIL
		(x) Price Support system	NIL	NIL	NIL
		(xi) Labour	NIL	NIL	NIL
		(xii) Any other (please specify)	NIL	NIL	NIL
		(A) Forward linkages			
		(i) Harvesting/threshing machinery	NIL	NIL	NIL
		(ii) Storage (including cold storage)	NIL	NIL	NIL
		(iii) Road network	1	1	1
		(iv) Transport facilities	NIL	NIL	NIL
		(v) Markets / Mandis	NIL	NIL	NIL
		(vi) Agro and other Industries	NIL	NIL	NIL
		(vii) Milk and other collection centres	NIL	NIL	NIL
		(viii) Labour	NIL	5	5
		(ix) Any other (please specify)	NIL	NIL	NIL

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

Table 7.9 Abstract of outcomes:

1	2	3	4	5	6	7
Sl. No.	**State**	**Item**	**Unit**	**Pre-project Status**	**Post-project Status**	**Remarks**
	MEGALAYA	Status of water table		Lack of management	Improved	
		Ground water structures repaired/ rejuvenated	nil	nil	nil	
		Quality of drinking water	5 nos	unsafe	Better quality	
		Availability of drinking water	-	10 months in a year	12 months availability	
		Increase in irrigation potential	11 nos	24% irrigated	94% irrigated	
		Change in cropping/ land use pattern	-	Single cropping	Double Cropping	
		Area under agricultural crop				
		i Ha	187.97	190.56		
		ii Ha	200.50	260.90		
		iii Ha	nil	nil		
		Net increase in crop production area		187.97	207.70	10.5% increase in cropping area
		Increase in area under vegetation		36.50	86.50	137% increase in vegetation cover
		Increase in area under horticulture		161.33	199.45	
		Increase in area under fuel & fodder		36.50	86.50	137% increase in vegetation cover
		Increase in milk production		NA	NA	NA
		No. of SHGs		nil	5	
		Increase in no. of livelihoods	Activities	1.) Agriculture 2) Horticulture	1. Agriculture. 2. Horticulture. 3. vegetable Cultivation. 4. Piggery. 5. Poultry.	
		Increase in income	Rs.	20000-30000	50000-60000	
		Migration	Nos	nil	nil	
		No. of school going children				
		SHG Federations formed	Nos.	nil	1	
		Credit linkage with banks	Nos.	nil	1	
		Resource use agreements	Nos.	None	a.) NOC for development work. b.) Agreements	
		WDF collection & management		None		
		Summary of lessons learnt	Nil			

Table 7.10 Cost effectiveness of structures/ activities*

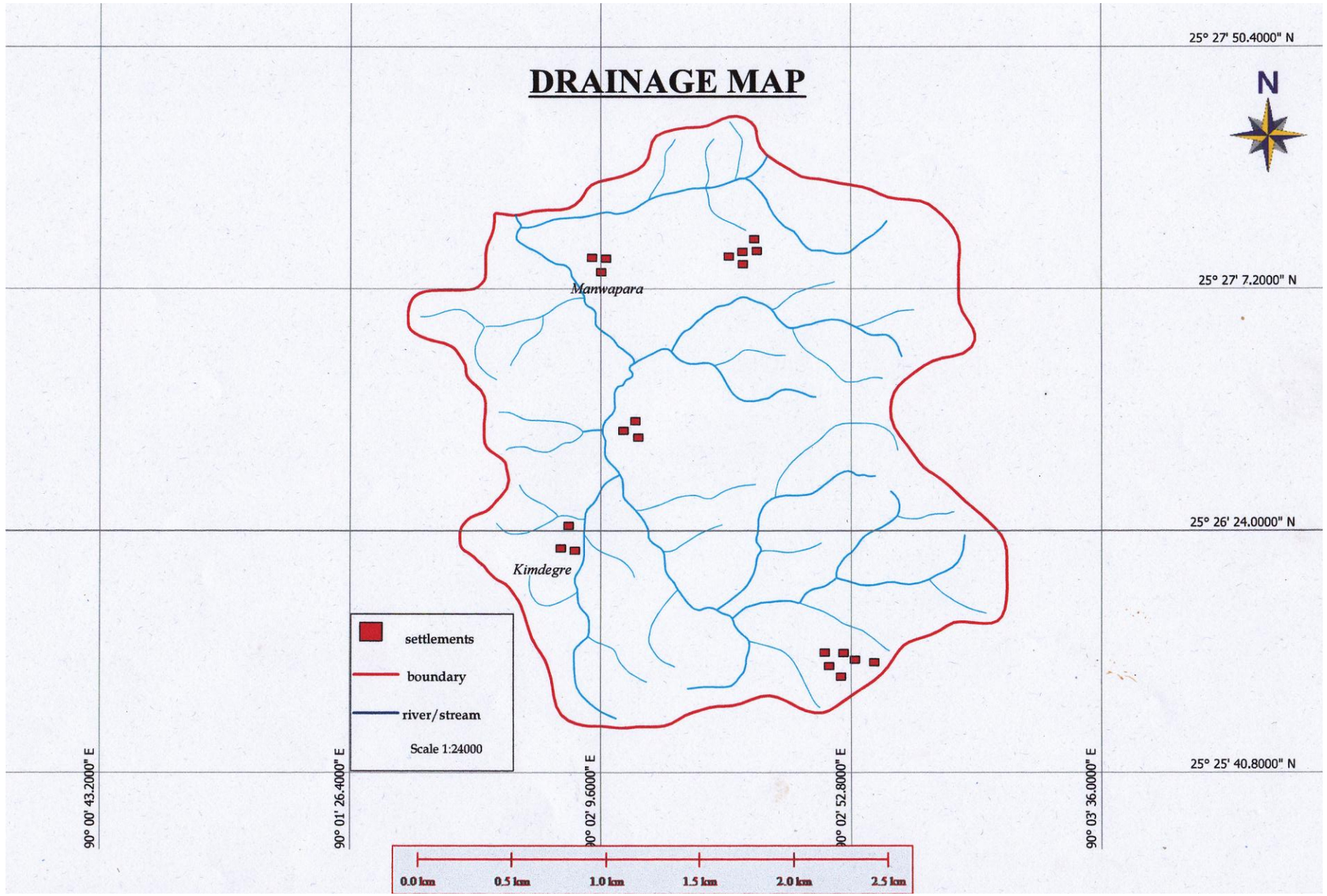
1	2	3	4	5	6	7	8	9
District	**Name of project**	**Name of WC**	**Name of structure/ activity**	**Estimated cost (Rs.)**	**Expected quantifiable benefits (Rs.)**	**Expenditure incurred (Rs.)**	**Actual quantifiable benefit (Rs.)**	**Benefit: Cost ratio#**
West Garo Hills	WGH IWMP-VI	Kimde	As per work plan	54.75	86.2	-	-	1:1.57

***** 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.

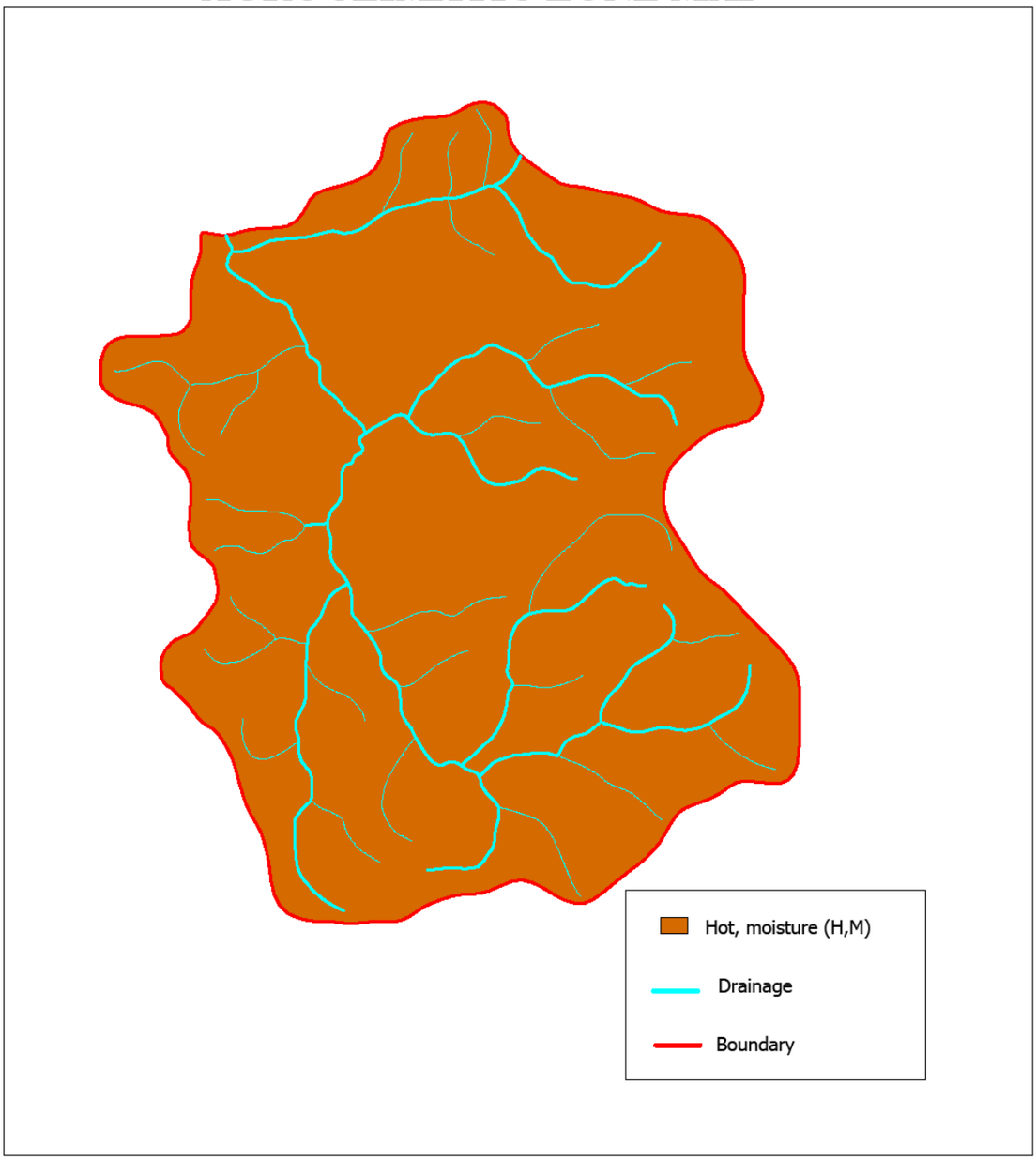
B:C ratio more than 1 – cost effective
less than 1 – Not cost effective

ANNEXTURE-1

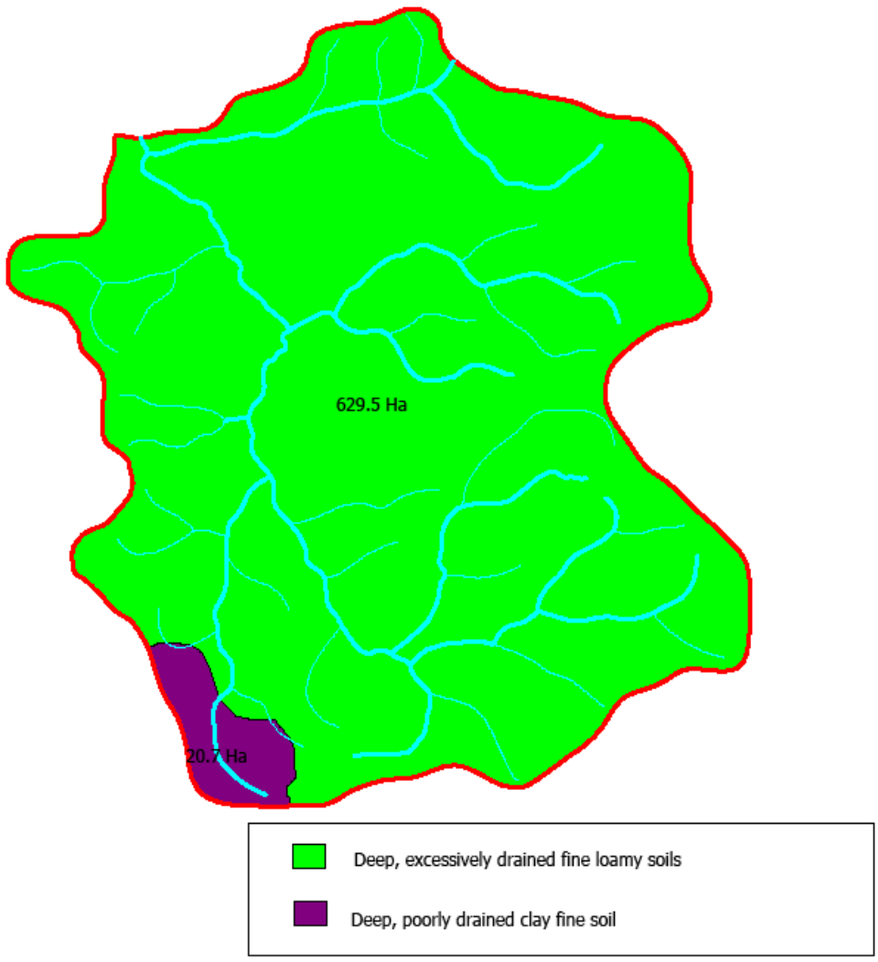
MAPS


DRAINAGE MAP
N
25° 27' 50.4000" N
25° 27' 7.2000" N
25° 26' 24.0000" N
25° 25' 40.8000" N
90° 00' 43.2000" E
90° 01' 26.4000" E
90° 02' 9.6000" E
90° 02' 52.8000" E
90° 03' 36.0000" E
Manwapara
Kimdegre
settlements
boundary
river/stream
Scale 1:24000
0.0 km
0.5 km
1.0 km
1.5 km
2.0 km
2.5 km

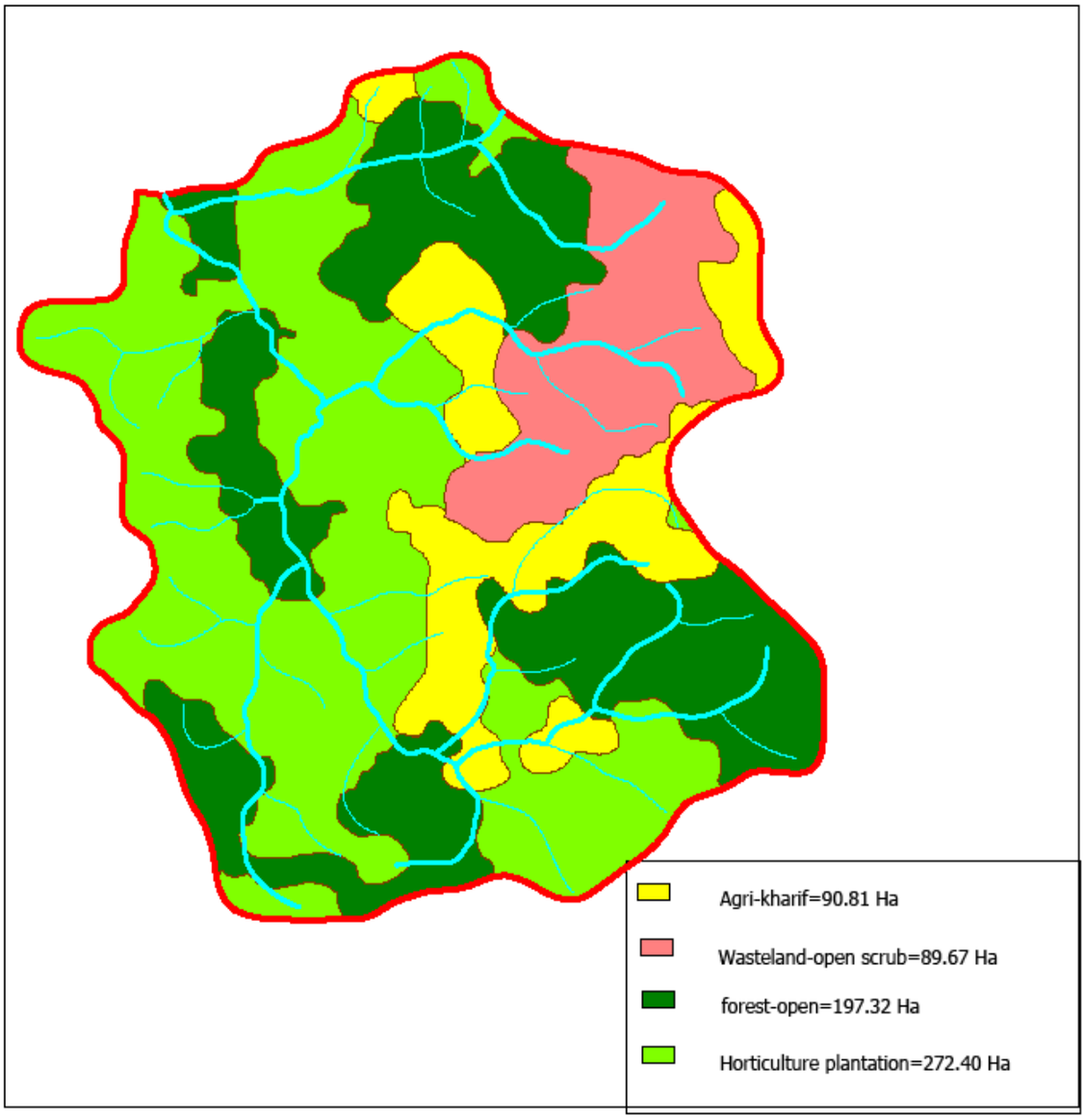
AGROCLIMATIC ZONE MAP



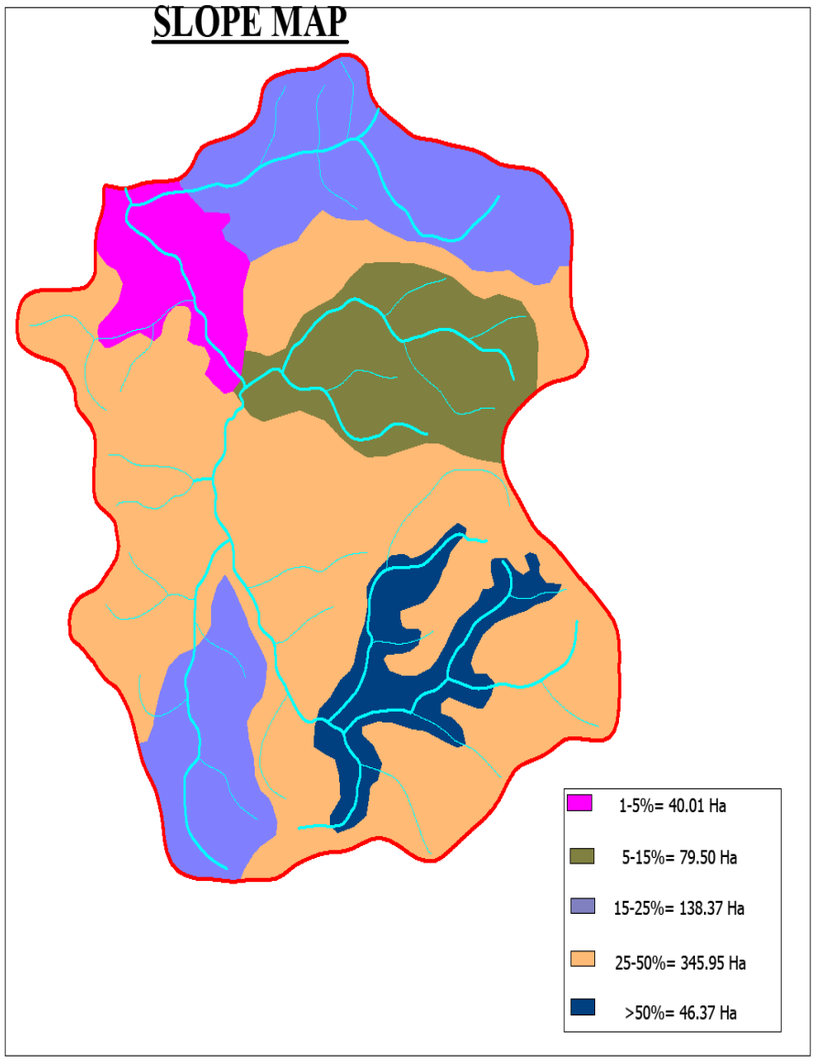
SOIL MAP


629.5 Ha
20.7 Ha
Deep, excessively drained fine loamy soils
Deep, poorly drained clay fine soil

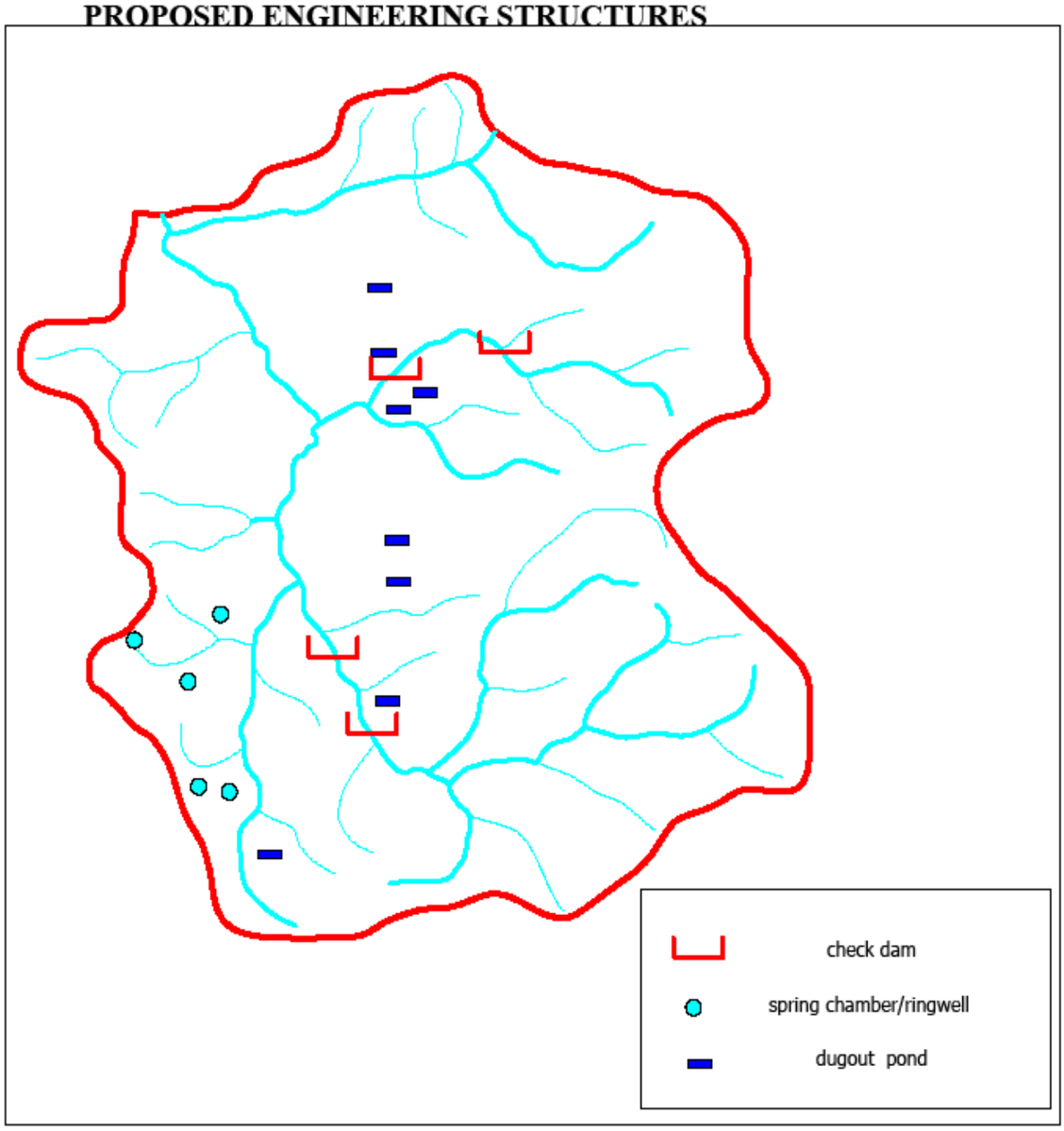
LAND USE LAND COVER MAP



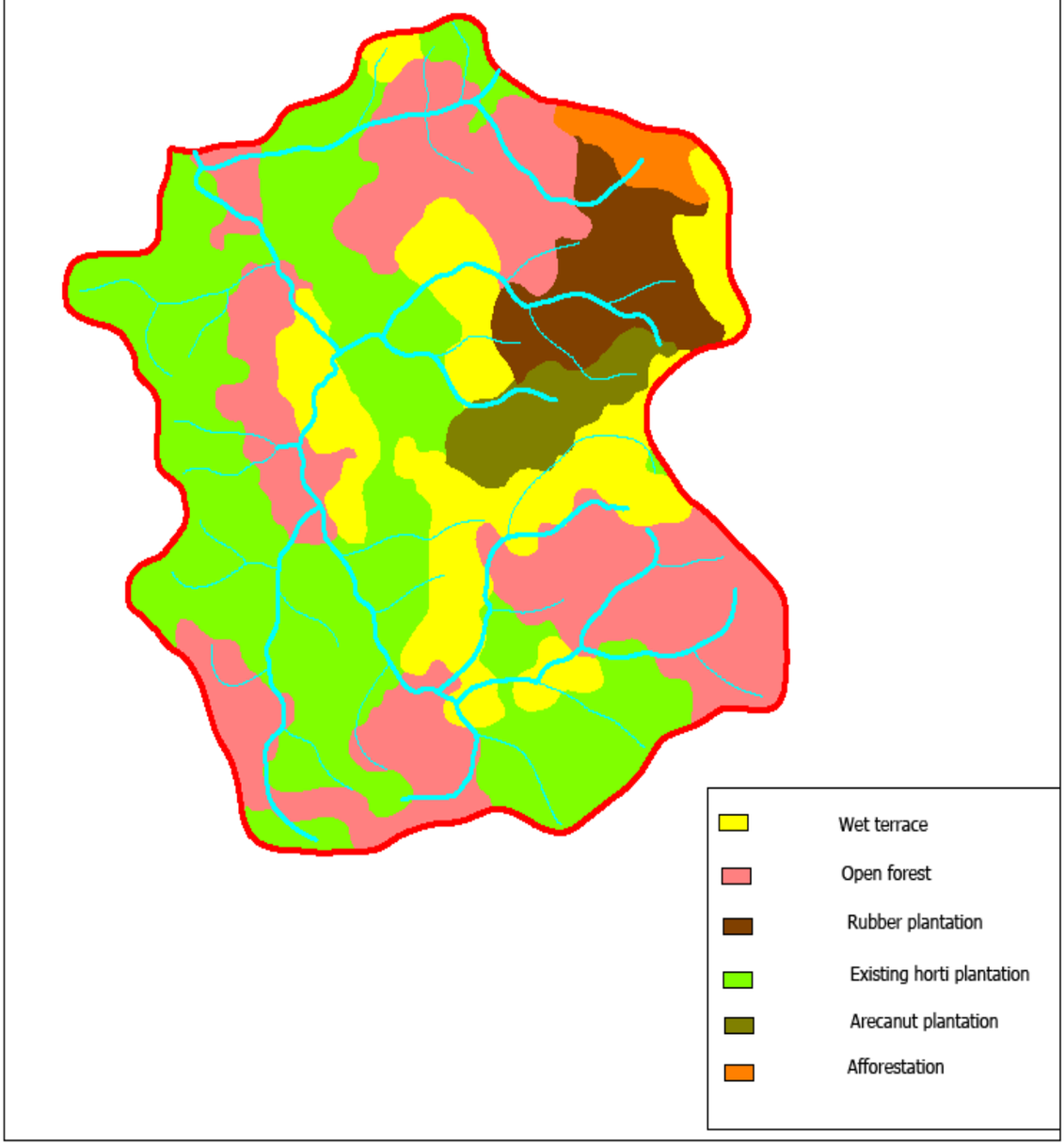
SLOPE MAP



PROPOSED ENGINEERING STRUCTURES



PROPOSED LAND USE MAP



ANNEXTURE-III

Cost-Estimates

MODEL NORMS PER HACTARE FOR TERRACING (IWMP)

A. ***Technical Parameters .***

i) Average terrace width recommended (m)	*15.00*
ii) Vertical Interval (VI) = W x S/100 - S	*2.5*
iii) Terrace Length (m) = A/W + VI	*767.00*
iv) Earthwork = 12.50 x W x S m^3	*1200.00*
v) Shoulder Bund Length	*779.00*
vi) Shoulder Bund Length x-section (m^2)	*0.08*
vii) Earthwork for shoulder Bund (m^3)	*62.32*
viii)Area available for cultivation (Ha.)	*0.87*

B. ***Cost estimate .***

	Amount.
i) Jungle clearance including uprooting of stumps (L/s)	*2000.00*
ii) Cost of terracing @ Rs. 10/- m^3	*15000.00*
iii) Cost of shoulder Bund @ Rs. 7/- m^3	*850.00*
iv) Dressing, shaping and grading of terrace	*950.00*
v) Water Disposal structure (L/s)	*1200.00*
G. Total	***20000.00***

(Rupees twenty thousand) only .

MODEL NORMS PER HA. FOR IMPROVEMENT OF DEGRADED FOREST (IWMP).

(Rate as per PWD SOR for R & B for 2008-09)

A. **Preliminary works .**

i) site clearance 3 mandays @ Rs. 100/- each	*Rs.*	*300.00*
ii) Pit digging (0.30 x 0.30 x 0.30) m 100 nos. @ Rs. 4/- each	*Rs.*	*400.00*
sub - total	***Rs.***	***700.00***

B. **I st year Planting .**

I) Cost of planting material 100 nos. @ Rs. 8/- each	*Rs.*	*800.00*
ii) Cost of planting 100 nos. @ Rs. 2/- each	*Rs.*	*200.00*
iii) Round weeding 4 times - 5 mandays @ Rs. 100/- each	*Rs.*	*500.00*
iv) Plant protection measures 4 mandays @ Rs. 100/- each	*Rs.*	*400.00*
sub-total	***Rs.***	***1900.00***

C. **II year Planting .**

i) Refilling 10%	*Rs.*	*100.00*
ii) Round weeding - 4 times- 5 mandays @ Rs. 100/- each	*Rs.*	*500.00*
iii) Plant protection measures - 4 mandays @ Rs. 100/- each	*Rs.*	*400.00*
Sub-total	***Rs.***	***1000.00***
Grand Total	***Rs.***	***3600.00***

(Rupees three thousand six hundred) only.

MODEL NORMS PER HACTARE FOR RUBBER CULTIVATION .

Spacing - (4.75 x 4.75) m
Plant density - 450 nos.

A. ***Preliminary works .***

i) Cost of seedling …. L/s…….	*Rs. 800.00*	
ii) Box terracing including pit digging (0.45 x 0.45 x 0.45) m ..L/s...		
……Rs.	*1350.00*	*500.00*
sub-total Rs.	***9000.00***	***1300.00***

B. ***I st Year Planting .***

i) Cost of Fertilisers (NPK 45:30:45) including transportation	*Rs. 2000.00*
ii) Cost of 2 times application (June-July and September - October)	
14 mandays @ Rs. 100/- each	*Rs. 1400.00*
iii) 1st year weeding	*Rs. 1200.00*
Sub-total	***Rs. 4600.00***

C. ***II nd year maintenance .***

i) 2nd year weeding	*Rs. 2700.00*
Sub-total	***Rs. 2700.00***

Grand Total Rs. 8600.00

(Rupeeseight thousand six hundred) only.

COST ESTIMATE PER UNIT FOR INTEGRATED FARMING SYSTEM (IWMP).

A.	*Piggery ;*		
	i) Construction of sty @ Rs. 20000/- each	*Rs.*	*20000.00*
	ii) Cost of Piglets - 10 nos. @ Rs. 20000/- each	*Rs.*	*20000.00*
	iii) Cost of feeds for 6 months (L/s)	*Rs.*	10000.00
B.	*Construction of Dug out Pond (25.00 x 25.00) m (as per estimate)*	*Rs.*	*60000.00*
C.	*Supply of fingerlings -1500 nos. @ Rs.3000/- per 1000 nos. (L/s)*	*Rs.*	*4500.00*
D.	*Kitchen Garden ;*		
	i) Site preparation including Bunding, shaping etc.	*Rs.*	*3500.00*
	ii) cost of F.Y.M. including cost of applicaton	*Rs.*	*4000.00*
	iii) Cost of equipmqnts and tools etc.	*Rs.*	*1500.00*
	iv) Cost of seeds including sowing etc.	*Rs.*	*1500.00*
	G. Total	***Rs.***	***125000.00***

(Rupees one lakh twenty five thousand) only.

Estimate for the construction of Ring Well.
(Based as per P.W.D. S.O.R. for roads, bridges and E&D works 2009-2010)

[1]/134 Excavation for structures.
(1) Ordinary Soil.
A.(ii) 3m. to 6 m. depth.

	1	x	$\pi/4$	x	(1.20)	x	5.25	=	5.93	m^3	
	1	x	$\pi/4$	x	(4.20)	x	0.30	=	4.15	m^3	
Less:	1	x	$\pi/4$	x	(1.20)	x	0.30	=	(-)0.34	m^3	
								=	9.74	m^3	

(i) Upto 3m.depth.

@ Rs. 61 /- m^3 Rs. **594.14**

	1	x	8.00	x	0.50	x	0.45	=	1.80	m^3	

@ Rs. 47 /- m^3 Rs. **84.60**

[2]/69 Providing and paying reinforced c.c.pipe for ring well including fixing collar with cement mortar 1:2 etc.
(A) 1200mm dia.
Length = 6.25 metres.

@ Rs. 5621 /- m Rs. **35131.25**

[3]/103 Providing and laying of dry rubble flooring complete.

	1	x	π	x	4.20	x	1.50	x 0.25	=	4.95	m^3
	1	x	8.00	x	0.20	x	0.10		=	0.16	m^3
										5.11	m^3

@ Rs. 1065 /- m^3 Rs. **5442.15**

^{4}/141 Plain/Reinforced c.c. in open foundation complete.
(A) PCC G - M
-15

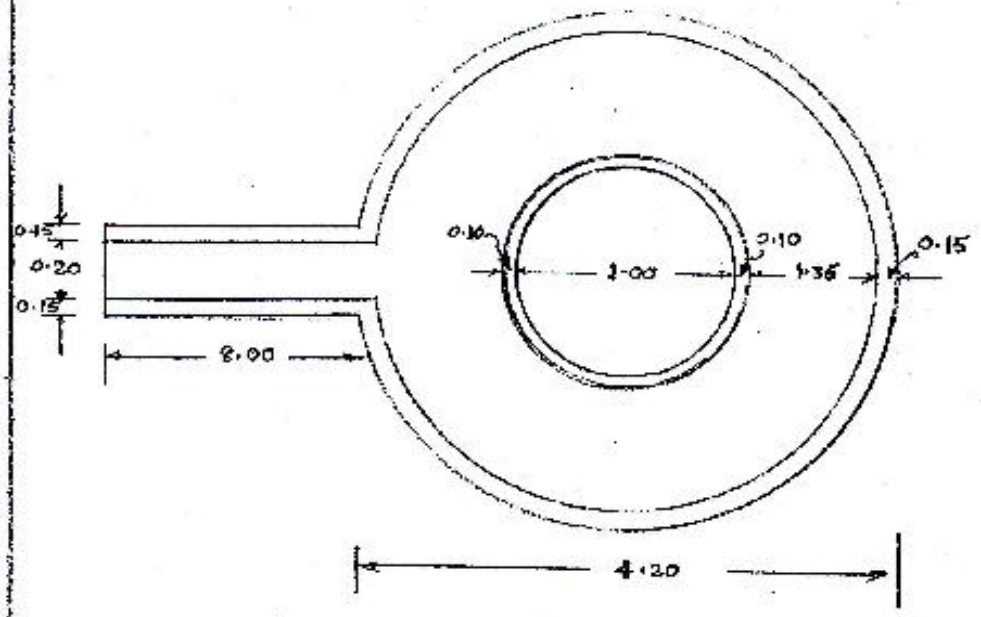
1	x	π	x	4.20	x	1.50 x 0.15	=	2.97	m^3
1	x	π	x	4.20	x	0.15 x 0.15	=	0.30	m^3
2	x	8.00	x	0.15	x	0.45	=	1.08	m^3
1	x	8.00	x	0.20	x	0.15	=	0.24	m^3
								4.59	m^3

	@	Rs.	4090	/-	m^3	Rs. **18773.10**
GRAND TOTAL :						**Rs. 60025.24**
Say Rs.	***60,000/-***					

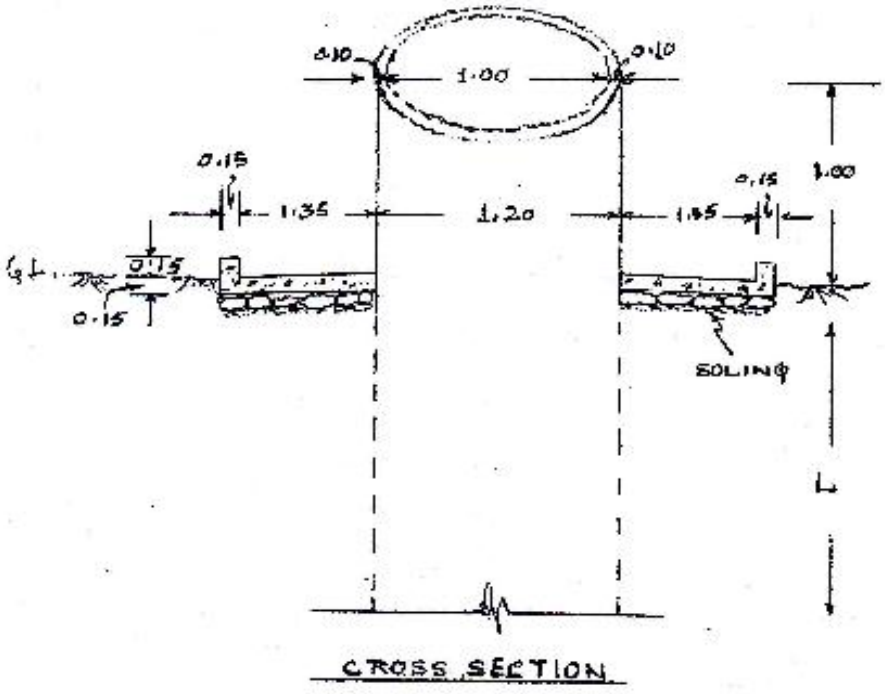
(Rupees Sixty Thousand) only.

DRAWING OF RING WELL

NOT TO SCALE



PLAN



CROSS SECTION

ESTIMATE FOR THE CONSTRUCTION OF C.C CHECK DAM.

(Based as per P.W.D., Schedule of rates for roads, bridges and E & D works for the year 2009-2010).

1/134. Excavation for structures.
(I)Ordinary soil.
A. Manual means.
(i)Upto 3.00m depth.

M/dam :	1 x 10.00 x 1.20 x 1.25	=	15.00m^3	
G/wall :	2 x 4.60 x 0.50 x 0.80	=	3.68m^3	
W/wall :	2 x 4.00 x 0.50 x 0.80	=	3.20m^3	
T/wall :	1 x 6.60 x 0.60 x 1.00	=	3.96m^3	
Apron :	1 x 4.60 x 6.00 x 0.45	=	12.42m^3	

		=	38.26m^3	
	@ Rs. 47/- m^3	…….		Rs. 1798.22

2/137. Providing c.c. work in 1:3:6 foundation etc.

M/dam :	1 x 10.00 x 1.20 x 0.23	=	2.76m^3	
	@ Rs. 3571/- m^3	…….		Rs. 9855.96

3/141(a). Plain/ reinforcement c.c. in open foundation etc.

M/dam :	1 x 10.00 x 0.90 x 1.00	=	9.00m^3	
	1 x 10.00 x $\frac{0.45 + 0.90}{2}$ x 1.80	=	12.15m^3	
	2 x 2.00 x 0.45 x 0.75	=	1.35m^3	
G/wall :	2 x 4.60 x 0.30 x 0.80	=	2.21m^3	
	2 x 5.45 x 0.30 x 2.55	=	8.33m^3	
Less :	2 x ½ x 3.20 x 0.30 x 1.35	= (-)	1.30m^3	
W/wall :	2 x 4.00 x 0.30 x 3.35	=	8.04m^3	
T/wall :	1 x 6.60 x 0.40 x 1.00	=	2.64m^3	
Apron :	1 x 6.15 x 6.00 x 0.15	=	5.54m^3	

		=	47.96m^3	
	@ Rs. 4090/- m^3	…….		Rs. 196156.40

4/140(b). Stone masonry work in cement mortar 1:3 etc. complete.

Apron :	1 x 4.60 x 6.00 x 0.30	=	8.28m^3
	1 x ½ x 1.80 x 6.00 x 1.80	=	9.72m^3
Less :	1 x ½ x 0.45 x 6.00 x 1.80	= (-)	2.43m^3
		=	15.57m^3
	@ Rs. 2714/- m^3	…….	Rs. 42256.98

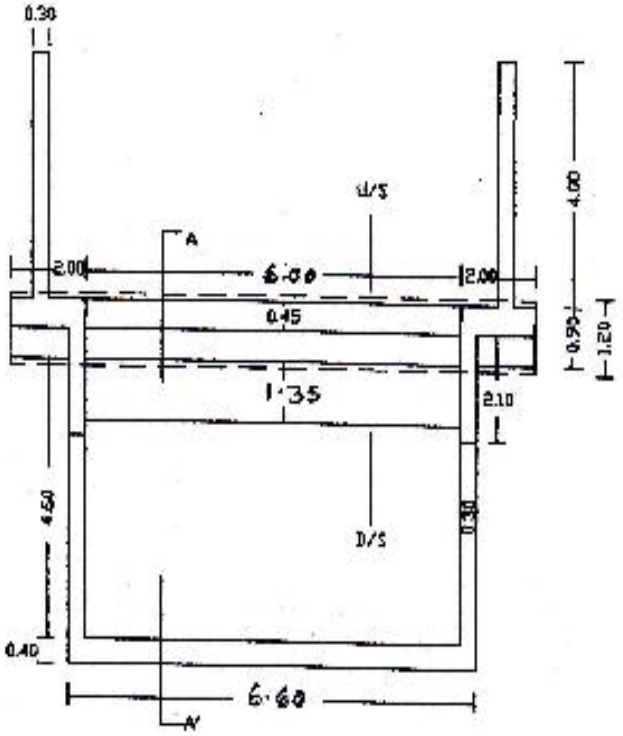
GRAND TOTAL = Rs. 250067.56

Say, Rs. 2,50,000.00

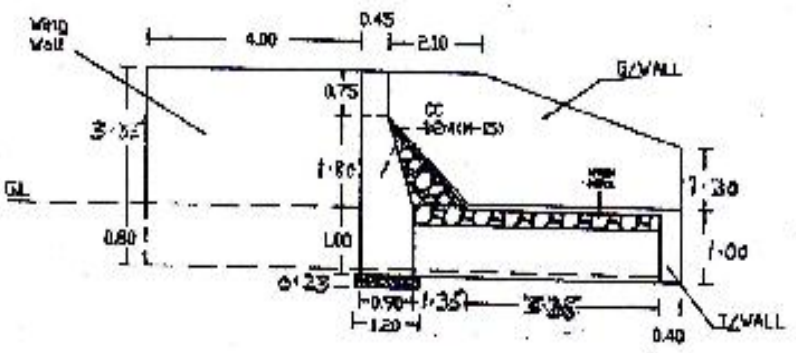
(Rupees Two lakh fifty thousand) only.

C. C. CHECK DAM

Not to Scale



PLAN



C/S At A-A'

ESTIMATE FOR THE CONSTRUCTION OF C.C. CORE WALL WITH EARTH FILLED DAM (EARTHEN EMBANKMENT) FOR WATER HARVESTING STRUCTURES.

(Rates as per P.W.D S.O.R for Roads, Bridges and E & D Works 2009-2010).

1/134. Excavation for structures.
(I) Ordinary soil.
(A) Manual Means.
(i) Upto 3m depth.

Core wall :	1 x 18.00 x 1.20 x 1.25	= 27.00m^3	
L/Channel :	1 x 8.00 x 1.40 x 1.10	= 12.32m^3	

		= 39.32m^3	
	@ Rs. 47/- m^3	…….	Rs. 1848.04

2/137. P.C.C 1:3:6 in foundation…..etc.

Core wall :	1 x 18.00 x 1.20 x 0.11	= 2.38m^3	
	@ Rs. 3571/- m^3	…….	Rs. 8498.98

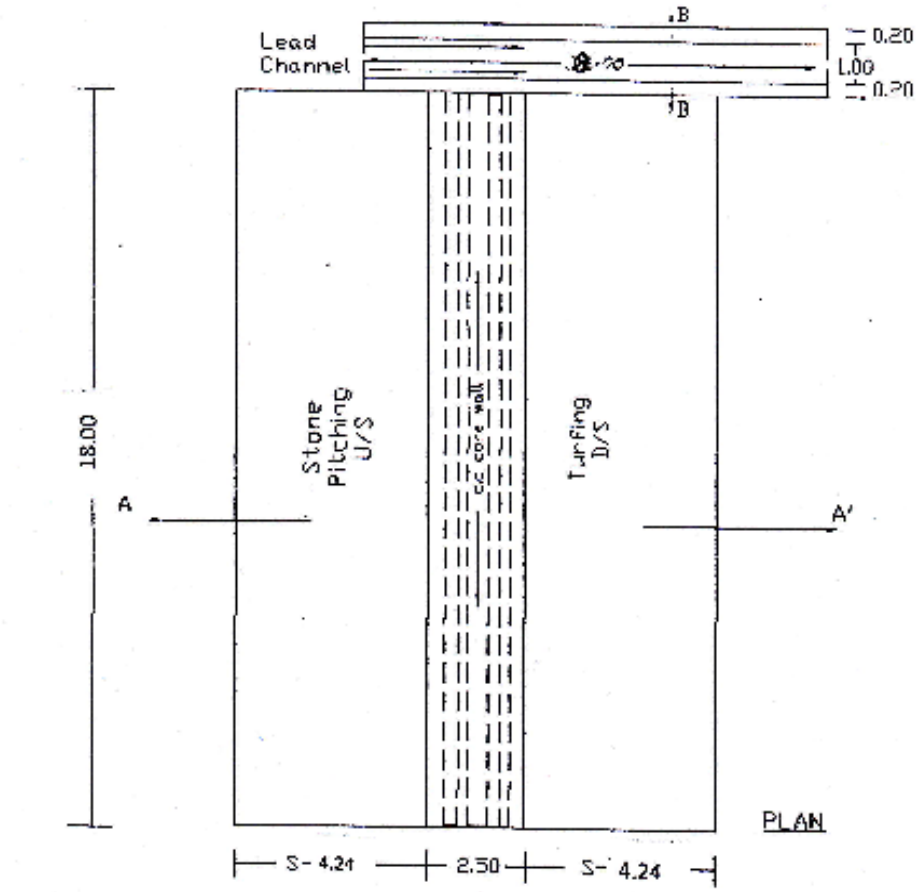
3/141. Plain/reinforced c.c in open foundation complete.
(A) P.C.C M-15.

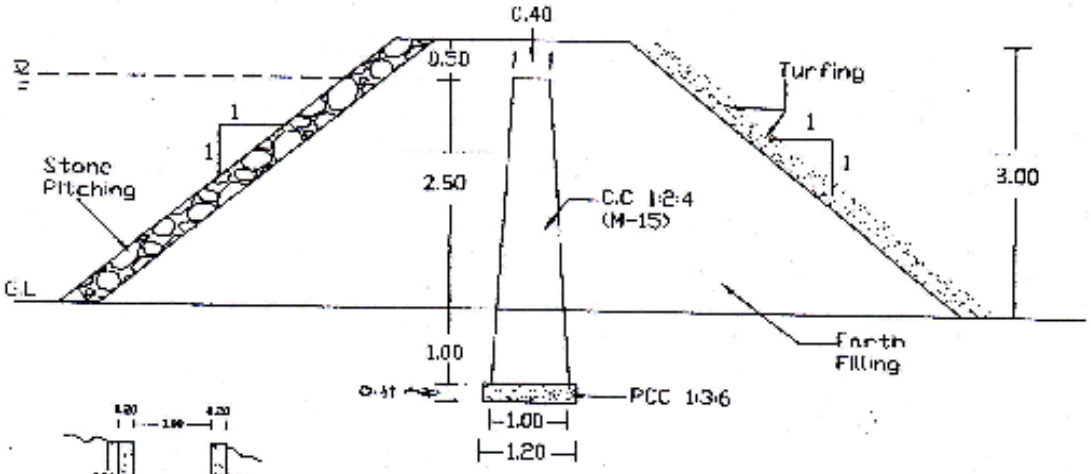
Core wall :	1 x 18.00 x $\frac{0.40 + 1.00}{2}$ x 3.50	= 44.10m^3	
L/channel :	2 x 8.00 x 0.20 x 1.15	= 3.68m^3	
	1 x 8.00 x 1.00 x 0.10	= 0.80m^3	

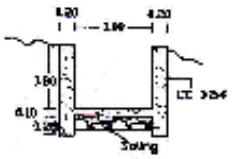
		= 48.58m^3	
	@ Rs. 4090/- m^3	…….	Rs. 198692.

4/28.	Construction of embankment.			
	Dam :	1 x 18.00 x $\frac{2.50 + 8.50}{2}$ x 3.00	= 297.00m^3	
	Less :	1 x 18.00 x $\frac{0.40 + 0.80}{2}$ x 2.50	= (-) 27.00m^3	
			= 270.00m^3	
		@ Rs. 71/- m^3	…….	Rs. 19170.00
5/100(I).	Providing and laying stone/ boulders pitching on slope …etc. (I) Stone /boulders. Dam U/S :			
		1 x 18.00 x 4.24 x 0.20	= 15.26m^3	
	L/Channel :	1 x 8.00 x 1.00 x 0.20	= 1.60m^3	
			= 16.86m^3	
		@ Rs. 1086/- m^3	…….	Rs. 18309.96
6/37.	Turfing with sods.			
	Dam D/S :	1 x 18.00 x 4.24	= 76.32m^2	
		@ Rs. 46/- m^2	…….	Rs. 3510.72
			GRAND TOTAL =	**Rs. 250029.90**
			Say, Rs. 2,50,000.00	
			(Rupees Two lakh fifty thousand) only.	

C.C Core Wall With Earthern Filed Dam Embankment) For Water Harvesting Structure







C/S @ B-B'

C/S AT A-A'

NB: All Dimension are In Metre

Not to Scale

ESTIMATE FOR THE CONSTRUCTION OF DUG - OUT POND UNDER INTEGRATED WATERSHED MANAGEMENT PROGRAMME AS PER P.W.D. SCHEDULE OF RATES

AS PER P.W.D. SCHEDULE OF RATES FOR ROAD AND BRIDGES FOR

FOR ROADS & BRIDGES AND E & D WORKS FOR THE YEAR 2009-10.

1. 2/67.	Site preparation …… L/s …….. Earthwork in excavation for foundation of structures upto 3 m depth as per…… …… With approved material.	Rs.	200.00

$$\frac{D}{6}\left\{A + \frac{4}{B+C}\right\}\ m^2$$

A= { 27.00 X 27.00 } m = 729.00 **m²**

B= { 24.00 X 24.00 } m = 576.00 **m²**

C= { 21.00 X 21.00 } m = 441.00 **m²**

D= 1.51 m

$$\frac{D}{6}\left\{A + \frac{4}{B+C}\right\}\ m^2$$

$$\frac{1.51}{6}\left\{729.00 + \frac{4}{576.00} + 441.00\right\}\ m^3$$

6 = 874.28 m^3

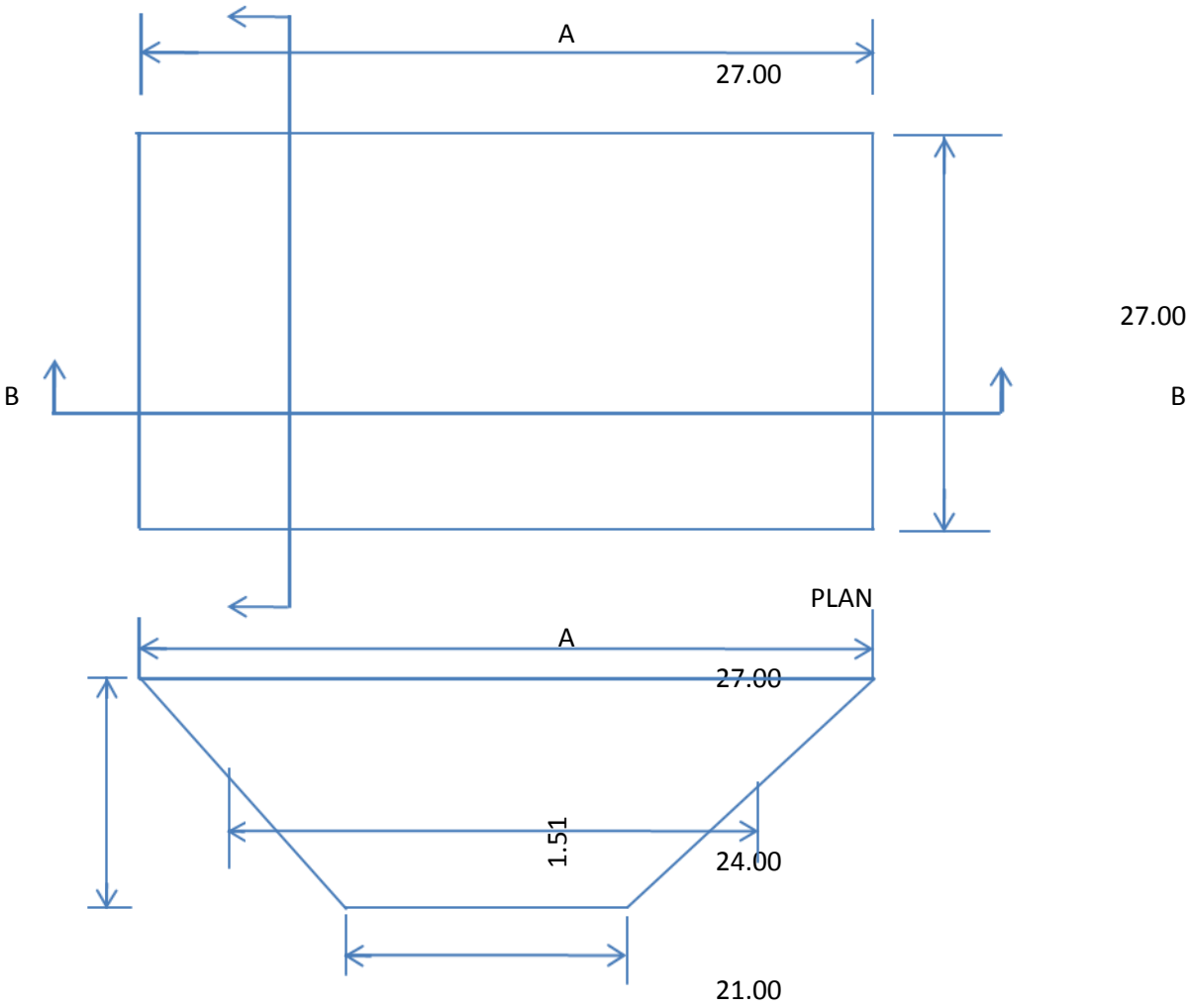
@ Rs 101/- m^3 …….. Rs. 88,302.28

Total : Rs. 88,502.28

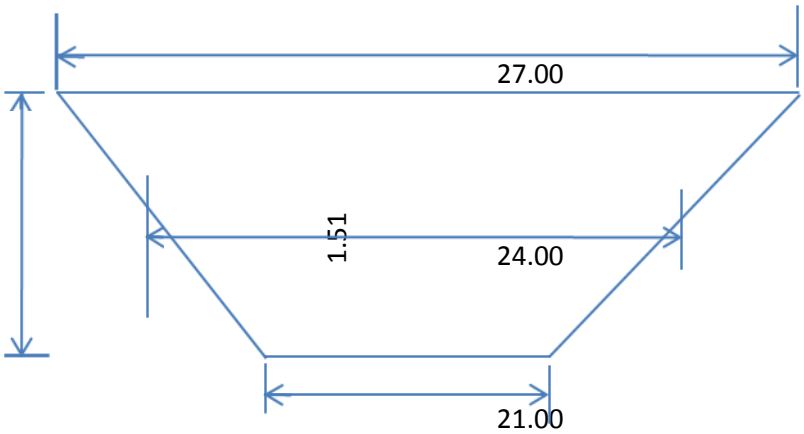
Say, Rs. 88,500.00

Rupees (eighty eight thousand five hundred) only

PLAN FOR DUG-OUT POND



SECTION-AA



SECTION-BB

ESTIMATE FOR THE CONSTRUCTION OF STONE MASONRY PROTECTION WALL.

(Rates as per P.W.D S.O.R for Roads, Bridges and E & D Works 2009-2010).

1/134. Excavation for structures.
(I) Ordinary soil.
(A) Manual Means.
(i) Upto 3m depth.

1 x 10.00 x 1.35 x ½ (1.10 + 0.60)	= 11.48m^3	
1 x 10.00 x ½ x 1.35 x 0.38	= 2.57m^3	
	= 14.05m^3	
@ Rs. 47/- m^3	…….	Rs. 660.35

2/137. P.C.C 1:3:6 in foundation…..etc.

1 x 10.00 x 1.35 x 0.10	= 1.35m^3	
@ Rs. 3571/- m^3	…….	Rs. 4820.85

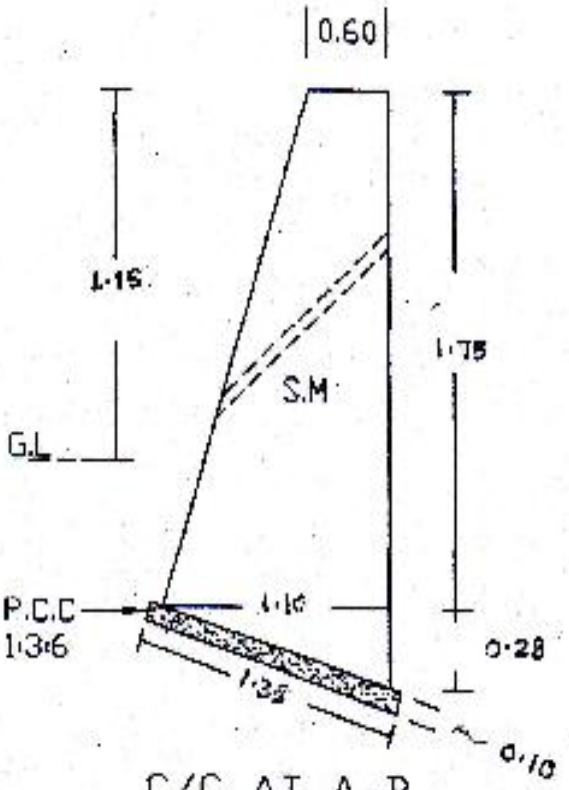
3/140(b). Stone masonry works in cement mortar 1:3 etc.

1 x 10.00 x $\frac{0.60 + 1.10}{2}$ x 1.75	= 14.88m^3	
1 x 10.00 x ½ x 1.10 x 0.28	= 1.54m^3	
	= 16.42m^3	
@ Rs. 2714/- m^3	…….	Rs. 44563.88
	GRAND TOTAL =	**Rs. 50045.08**
	Say, Rs. 50,000.00	

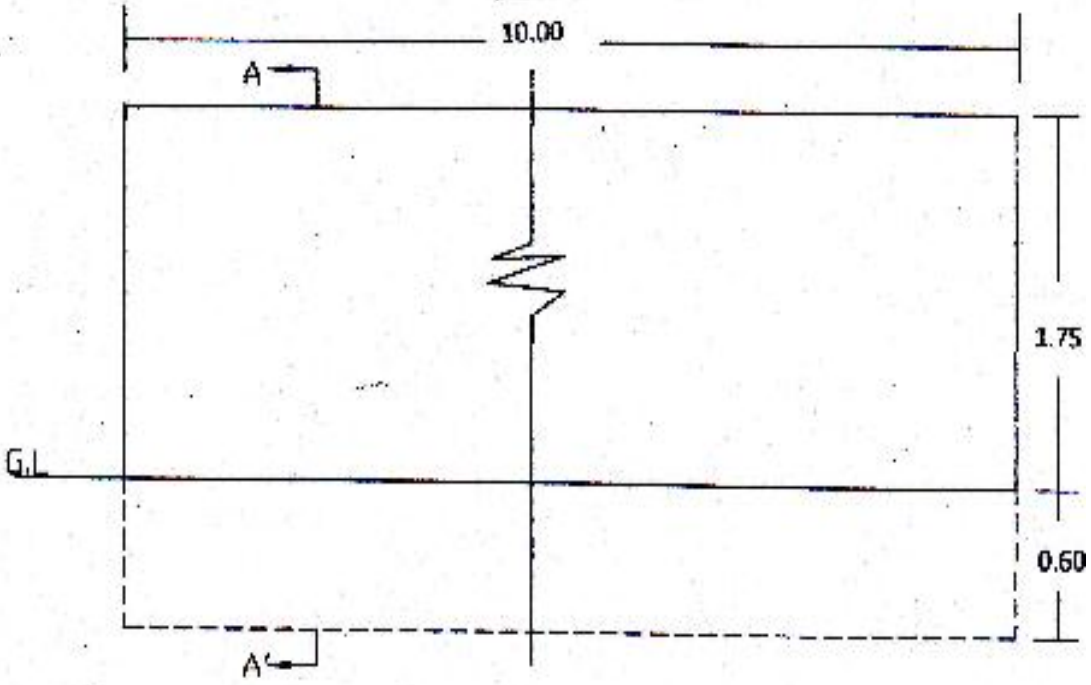
***(Rupees Fifty thousand) only*.**

STONE MASONRY PROTECTION WALL

Not to Scale



C/C AT A-B



ELEVATION

ANNEXTURE-IV

MoA,Sub Committee Details Etc.

SANJAY GOYAL, IAS
DISTICT MAGISTRATE
WEST GARO HILLS DISTRICT,
TURA, MEGHALAYA- 794001

Phone: 03651-223835(O), 223826(R)
Fax: 03651-221179, 222226
e-mail: sanjaygoyal_ias@yahoo.com

TO WHOM IT MAY CONCERN

This is to certify that centrally sponsored schemes like NREGS, BRGF, RKVY, NRHS and Total Sanitation Campaign etc can be convered with Watershed Projects/Programmee within West Garo Hills District.

Dated : Tura
The 14th April, 2011.

DEPUTY COMMISSIONER WEST GARO HILLS TURA

(Sanjay Goyal)
Deputy Commissioner,
West Garo Hills Dist, Tura.

Details of Convergence of IWMP with other Schemes:

Name of Villages: a) Kimdegre b)Manwapara

	1	2	3	4	5			6	7
Sl. No.	District	Names of projects	Names of Departments with Schemes converging with IWMP	Fund made available to IWMP due to convergence (Rs. in lakh)	Name of activity/task/structure undertaken with converged funds (a) Structures (b)Livelihoods (C)Any other (pl specify)	Nos/Rmt/Ha	Amount(Rs)	Reference no. of activity/ task/ structure in DPR[@]	Level at which decision for convergence was taken[$]
1	WGH	WGH-IWMP-VI	NREGS (DRDA, West Garo Hils, Meghalaya)	2679600	a)Dugout pond	13 Nos	650000	Enclosure of Abstract of Perspective Plan for Convergence of NREGs with IWMP in DPR	District Level
					b)Stone masonry protection wall	9 Nos	450000		
					c) Water harvesting farm pond	3 Nos	500000		
					d) C.C Check cum Irrigation dam	3 Nos	250000		
					e) Earthen irrigation channel	1780 Rmt	114600		
					f) Wet terrace	5 Ha	255000		
					g)Rubber Plantation	40 Ha	292000		
					h) Arecanut Plantation	30 Ha	168000		
				Grand Total			**2679600**		

Grand Total: Twenty six lakhs seventy nine thousand and six hundred only.

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

ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP AT KIMDEGRE VILLAGE

UNDER KIMDE MICRO WATERSHED, WG IWMP V

Name of the Village : **KIMDEGRE**

Total No. of Job Card Holder 15 Nos.

Total Wages Component @Rs. 117/- per mandays- Rs. 1,75,500/-

Amount earmarked for Convergence per annum Rs. 1,75,500/-

(Rupees One lakh seventy five thousand five hundred)

Sl. No	ACTIVITY	UNIT	PROJECT PERIOD												Total			Mandays to be Generated
			2011-12			2012-13			2013-14			2014-15						
			PHY	FIN		PHY	FIN		PHY	FIN		PHY	FIN		PHY	FIN		
				Wages	material		Wages	Material		Wages	Material		Wages	Material		Wages	Material	
1	Dugout pond @50000/- per No.	Nos	2	100000	-	-	-	-	1	50000	-	1	50000		4	200000		1709
2	Stone masonry protection wall @50,000 per No	Nos	2	60000	40000							2	60000	40000	4	120000	80000	1026
3	Earthen irrigation channel @50/- per rmt	Rmt	310	15500	-	290	14500		230	11500		110	5500		940	47000	-	402
4	Wet-terrace @15000/- per ha	Ha	-	-	-	4	60000	-	3	45000					7	105000	-	898
5	Rubber Plantation				-			-			-			-			-	
	(i)Planting @1800/- per ha	Ha				15	27000		5	9000					20	36000		307
	(ii)Weeding @2000/- ha	Ha	-	-	-	15	30000	-	20	40000	-	20	40000	-	20	110000	-	940
6	Arecanut plantation																	
	(i)Planting @2400/- per ha	Ha	-	-	-	10	24000	-						-	10	24000	-	205
	(ii)Weeding @2000/- ha	Ha				10	20000	-	10	20000	-	10	20000	-	10	60000		513
	GRAND TOTAL			175500	-		175500			175500			175500			702000	80000	6000

Amount allocated for convergence for the period 2011-12 to 2014-15

1. Wages Component : - Rs. 702000.00
2. Material Components : - Rs. 80000.00

Grand Total = Rs. 782000.00

Grand Total - (Rupees Seven lakh and eighty two thousand only)

Sanjeang Marak
President
Vill. Kimdigri M.G.N.R.E.G.S.
West Garo Hills
President
Kimdegre VEC
Zikzak Block, WGH

Wilthing Sangma
Secretary
Vill. Kimdigri M.G.N.R.E.G.S.
West Garo Hills
Secretary
Kimdegre VEC
Zikzak Block, WGH

ABSTRACT OF PERSPECTIVE PLAN FOR CONVERGENCE OF NREGS WITH IWMP AT MANWAPARA VILLAGE

UNDER KMDL MICRO WATERSHED IWMP-V

Name of the village: **Manwapara**

Total No. of Job Card Holder: **32 Nos**

Total Wages Component @Rs 117/- per mandays - Rs 374400.00

Amount earmarked for Convergence per annum - Rs 374400.00

(Rupees Three lakh seventy four thousand four hundred) only

Sl. No	ACTIVITY	UNIT	PROJECT PERIOD 2010-11 PHY	2010-11 FIN Wages	2010-11 FIN Material	2011-12 PHY	2011-12 FIN Wages	2011-12 FIN Material	2012-13 PHY	2012-13 FIN Wages	2012-13 FIN Material	2013-14 PHY	2013-14 FIN Wages	2013-14 FIN Material	Total PHY	Total FIN Wages	Total FIN Material	Mandays to be Generated
1	Dugout pond @50000/- per No	Nos	2	100000					3	50000		4	200000		9	450000		3846
2	Stone masonry protection wall @50000 per No	Nos	1	30000	20000	1	30000	20000				3	90000	60000	5	150000	100000	1282
3	Water harvesting farm pond @250000/- per No.		1	150000	100000				1	150000	100000				2	300000	200000	2564
4	C.C Check-cum irrigation dam @250000/- per No.					1	150000	100000							1	150000	100000	1282
5	Earthen irrigation channel @50/- per m	Nos	308	15400		368	18400		108	5400		488	24400		1352	57600		570
6	Wet-terrace @15000/- per ha	Nos	5	75000		5	75000								10	150000		1282
7	Rubber plantation																	
	(i)Planting @1800/- per ha	Unit				15	27000		5	9000					20	36000		308
	(ii)Weeding @2000/- ha	Ha				15	30000		20	40000		20	40000		20	110000		940
8	Arecanut plantation	Ha																
	(i)Planting @2400/- per ha	Ha				10	24000								10	24000		205
	(ii)Weeding @2000/- ha	Ha				10	20000		10	20000		10	20000		10	60000		513
	GRAND TOTAL						374400	120000		374400			374400			1497000	400000	12800

Amount allocated for convergence for the period 2011-12 to 2014-15

1 Wages Component - Rs 1497600.00

2 Material Components - Rs 400000.00

Grand Total - Rs **1897600.00**

Grand Total (Rupees) (Rupees eighteen lakh ninety seven thousand and six hundred) only

President
Manwapara V.C.
Zizira Block, WGH

Secretary
Manwapara V.C.
Zizira Block, WGH

AGREEMENT FOR CONVERGENCE OF SCHEME

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

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

1. Dugout Pond
2. Wet Terrace
3. Areca nut Plantation
4. Stone Masonry Protection Wall
5. Earthen Irrigation Channel
6. Rubber Plantation
7. C. C. Check cum Irrigation Channel
8. Water Harvesting farm Pond

Sanjing Marak

President
Vill. Kimdigri M G.N.R.E.G.S.
West Garo Hills

President,
Village Employment Council
Kimdegri
Zikzak Block, WGH

Withing Sangma

Secretary
Vill. Kimdigri M.G N.R E.G.S.
West Garo Hills

Secretary
Village Employment Council
Kimdegri
Zikzak Block, WGH

AGREEMENT FOR CONVERGENCE OF SCHEME

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

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

1. Dugout Pond
2. Wet Terrace
3. C.C. Check cum Irrigation Dam
4. Areca nut Plantation
5. Stone Masonry Protection Wall
6. Earthen Irrigation Channel
7. Water Harvesting Farm Pond
8. Rubber Plantation

President
Manwapara V.E.C.
West Garo

President,
Village Employment Council
Manwapara
Zikzak Block, WGH

Secretary
Manwapara V.E.C.

Secretary
Village Employment Council
Manwapara
Zikzak Block, WGH

NO OBJECTION CERTIFICATE OF THE A-KING NOKMA FOR KIMDE MICRO WATERSHED DEVELOPMENT PROJECT TO BE TAKEN UP UNDER IWMP-VI
PROJECT BY TURA SOIL & WATER CONSERVATION (T) DIVISION

The A-king Nokma of Manwapara village under Kimde Micro-watershed project, WGH-IWMP-VI has No Objection to the developmental activities to be undertaken in my A-king land by Soil & Water Conservation Department.

The villagers of Manwapara A-king Land are ready to accept the Development Scheme after clear understanding of the objectives and the activities proposed under the project to be implemented in our Watershed area.

There will be No Objection in future from the villagers of the watershed area as they have understood the objectives of the proposed scheme of the Soil & Water Conservation Department.

Name & Signature of A-king Nokma

Shri R. S. Sangma
Nokma I-20 ( )
Manwapara A-king
West Garo Hills

Countersigned by

Divisional Officer,
Tura Soil & Water Cons(T) Division
West Garo Hills, Meghalaya

NO OBJECTION CERTIFICATE OF THE A·KING NOKMA FOR KIMDE MICRO WATERSHED DEVELOPMENT PROJECT TO BE TAKEN UP UNDER IWMP-VI
PROJECT BY TURA SOIL & WATER CONSERVATION (T) DIVISION

The A·king Nokma of Kimdegre village under Kimde Micro-watershed project, WGH-IWMP-VI has No Objection to the developmental activities to be undertaken in my A·king land by Soil & Water Conservation Department.

The villagers of Kimdegre A·king Land are ready to accept the Development Scheme after clear understanding of the objectives and the activities proposed under the project to be implemented in our Watershed area.

There will be No Objection in future from the villagers of the watershed area as they have understood the objectives of the proposed scheme of the Soil & Water Conservation Department.

Name & Signature of A·king Nokma

Countersigned by

Divisional Officer,
Tura Soil & Water Cons(T) Division
West Garo Hills, Meghalaya