## DETAILED PROJECT REPORT

## UMTHAM WATERSHED MANAGEMENT PROJECT

IWMP - VI
2010-2011

RANIKOR C \& RD BLOCK

WEST KHASI HILLS DISTRICT

MEGHALAYA

Name of the State
Name of the District
Name of the C\&RD Block
Name of the Villages

## Name of the Project

Total Geographical Area
Total Treatment Area
Total Project Cost
Project Duration
Project Implementing Agency

Meghalaya
: West Khasi Hills District
Ranikor

1. Rngi Mawpat, 2. Rangkhiat, 3. Phlangdiloin, 4. Pyndensynia,
2. Phlangmawprah, 6. Nongmluh, 7. Mawmynsor, 8. Mawthungmlang,
3. Mawphansaw, 10. Thnangbyriang

West Khasi Hills - IWMP - VI
4189 Ha
1700 Ha
255.0 lakhs

5 Years
Soil \& Water Conservation Nongstoin Division.

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## CHAPTER I

## INTRODUCTION AND BACKGROUND

### 1.1 Project Background:

The Umtham (IWMP-VI) project is located in Ranikor C\&RD Block, West Khasi Hills District of Meghalaya. Consisting of a single micro-watershed, the project area is drained by the Wah Umtham River and its tributaries flowing in a north to south direction. The total area is 4189 Ha with 1700 ha to be treated under the Integrated Watershed Management Programme (IWMP)

The Project area is located at a distance of about 35 km from Mawkyrwat the Civil Sub-Divisional Head Quarter and about 60 km from Nongstoin the District Headquarter. A total of 10 (Ten) villages are covered under the project. These are -

1. Rngi Mawpat, 2. Rangkhiat, 3. Phlangdiloin, 4. Pyndensynia,
2. Phlangmawprah, 6. Nongmluh, 7. Mawmynsor, 8. Mawthungmlang,
3. Mawphansaw, 10. Thnangbyriang.

### 1.2 Micro-watershed Information:

The micro-watershed code is whole of 3C1B1a1c, 3C1B1a1b, 3C1B1b4g and part of 3C1B14a, 1C1B1b5e, 3C1B1a1d, 3C1B1a1d as codified by the North East Space Application Centre (NESAC).
1.3 Need and Scope for Watershed Development: The Micro - watershed with its unique location and demand to cater to the population of the area is deteriorating very fast, therefore; there is an urgent need to conserve and manage natural resources such as soil, water and vegetation for enhancing and sustaining land and water productivity on sustainable basis thereby promoting food, social, economic \& livelihood security. To dissipate soil and water erosion, surface runoff, to harvest, recycle surface run-off, rain water, improve soil moisture regime, water holding capacity, to promote sub-surface flow, base flow, and recharge ground flow, to improve soil health and tilth, crop production, biomass productivity and enhance climate change adaptation.

The proposed project will also focus on food production and improving its productivity under existing conditions selecting nutritious local crops and by introducing improved low input varieties of crops. This will enhance the capability of local societies to sustain while enjoying a decent rural life style. In the event of promoting local as well as improved varieties of crops biomass productivity would also be considered. In the current scenario of changing climatic conditions, several shifting cultivation crop varieties need to be considered for popularizing. Some of these crops have a wide tolerability to temperature and rainfall making them adaptable to changing climatic conditions. As a step forward to enhance climate change adaptation, an experimental effort would be needed to be taken to find out the most adaptable shifting cultivation crops readily available from nearby areas in the proposed project area. This will also help to retain crop diversity of shifting cultivation areas as this type of subsistence agriculture is reducing day by day and is being replaced by more lucrative but highly damaging coal mining.
This is expected to provide sustainability and food security to these remote communities.
With proper intervention and rightly selection of activities as per land suitability there is a huge scope for development of the watershed and improves the ecological balance, economic gain which would bring equilibrium and bring about sustainability.
1.4 Other developmental projects/schemes running in the Project Area: The other developmental projects/schemes undertaken in the Project Area is MGNREGS

## CHAPTER II

## BASIC INFORMATION OF THE PROJECT AREA

2.1 Location: The area is located between $91^{\circ} 15^{\prime \prime}$ to $91^{\circ} 19 " 30^{\prime}$ East Longitude \& $25^{\circ} 16^{\prime \prime} 30^{\prime}$ to $25^{\circ} 22^{\prime \prime} 30$ 's North Latitude. It is situated at a distance of 60 km from Nongstoin the Headquarter of West Khasi Hills District and falls under Ranikor C\&RD Block which is within the Mawkyrwat Civil Sub- Division Jurisdiction. The Project Area is connected by Black top road about 30 km and the other 30km with Kutcha road up to Phlangdiloin whereas other village on the other side of the Umtham River is approachable only by foot of about 2 to 2.5 hours walk. There are 10 villages falling within the watershed, namely,

1. Rngi Mawpat, 2. Rangkhiat, 3. Phlangdiloin, 4. Pyndensynia,
2. Phlangmawprah, 6. Nongmluh, 7. Mawmynsor, 8. Mawthungmlang,
3. Mawphansaw, 10. Thnangbyriang
2.2 Physiography: The Total Geographical Area (TGA) of the Project is 4189 Ha out of which the Treatable Area is 1700 Ha which has been proposed for treatment under different soil \& water Conservation activities. The altitude ranges from 800 m to 1200 m above mean sea level and physiography is gentle to steep slope.

Table 2.1: Physiographic details

| Elevation (metres) | Slope Range (\%) | Order of watershed Sub/Micro-watershed | Major streams | Topography |
| :---: | :---: | :---: | :---: | :---: |
| 800 m to 1200 m | 15\% and Above | Micro Watershed | Umtham <br> Umtyllang <br> Iong Tynnaw <br> Kynthang <br> Longjisi <br> Rangkhiat <br> Rangryngi <br> Phud Mawlein <br> Ken Langrin <br> Umphan <br> Jurkdait <br> Phudmynniaw <br> Rangsengiong <br> Umdohlang <br> langhaiang | Gentle to Steep slope |

 are dissected by numerous small tributaries flowing to the Wah Umtham.

Average Drainage Density $=\quad$ Total length of streams in the watershed $(\mathrm{km})$
Area of the watershed $\left(\mathrm{km}^{2}\right)$
Bifurcation Ratio: The bifurcation ratio of the watershed is 3.755 . There are 157 first order streams, 30 second order, 7 third orders, 2 fourth orders and 1 fifth order.
Bifurcation Ratio $=$

## Previous stream order (Nos of segments)

Next order (Nos. of segment)
2.4 Soil: Soil is very shallow. Texture is sandy and loamy sand at the upper horizon. Exposure to erosion hazard is severe to very severe. (Awaiting Report).

## 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 Khasi Hills | West Khasi Hills IWMP VI | Water erosion: |  |  |  |  |
|  |  |  |  | a | Sheet | NA | NA | NA |
|  |  |  |  | b | Rill |  |  |  |
|  |  |  |  | c | Gully |  |  |  |
|  |  |  |  | Sub total |  |  |  |  |
|  |  |  |  | Wind erosion |  | NA | NA | NA |

 the higher reaches is warm during summer and cold during winter. The average annual rainfall is 7000 mm .

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

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |  | 8 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sl. <br> 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 | Mild, Wet Cold, Moisture Mild, Moisture Hot moisture Hot, Wet | 4189 Ha | West Khasi Hills | $\begin{gathered} \text { West Khasi } \\ \text { Hills - IWMP } \\ \text { - VI } \end{gathered}$ | Sandy, loamy sand, sandy loam and loam. | 4189 Ha | 7000 mm | Betel nut | 100 |
|  |  |  |  |  |  |  |  |  | Betel leaf | 52 |
|  |  |  |  |  |  |  |  |  | citrus | 32 |
|  |  |  |  |  |  |  |  |  | Broom stick | 610 |
|  |  |  |  |  |  |  |  |  | Black pepper | 36 |
|  |  |  |  |  |  |  |  |  | Pineapple | 18 |
|  |  |  |  |  |  |  |  | Total |  | 868.0 |

*Source: NESAC
2.6 Agriculture Agro-Forestry \& Horticultural Activities: The main crops that are cultivated by the majority of the populace depending on the locations and favorable condition of the area are as follows: Broom grass, betel nuts, betel leaves, tezpata, citrus, pepper, pine apple. Apart from the major crops, some minor crops especially vegetables, here are the few crops commonly grown: King; chilly, cabbage, mustard leaf, ginger, turmeric, aubergines and other garden vegetables. Jhum cultivation are practiced extensively over the hill slopes in the past few years; where the main crops are hill paddy, tapioca, brinjal, chillies, yam, sweet potato , etc.. these plots are later being used either for permanent crop like Broom grass, betel nuts, betel leaves, tezpata, citrus, pepper, pine apple, etc. and some areas are being left fallow.

Table 2.4: Crop yield and production

| Crops | Area <br> (ha) | Average Yield <br> (Qtl) per ha. |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Broom Grass | 610 | $10-12$ |  |  |  |
| Betel Nut | 100 | $09-10$ |  |  |  |
| Betel Leaf | 52 | $10-12$ |  |  |  |
| Tezpata | 20 | 20 |  |  |  |
| Citrus | 32 | 44 |  |  |  |
| Pepper | 36 | 6 |  |  |  |
| Pine-Apple | 18 | 57 |  |  |  |
| Total |  |  |  | $\mathbf{8 6 8 . 0}$ |  |

[^0]2.7 Natural Vegetation: The natural vegetation of the area is fairly poor due to tremendous biotic pressure such as recurring fire hazards, over exploitation of timber and fuel woods, particularly charcoal burning which has spelt a bane for the farmer of the area. The barren topography of the area blended in a mosaic in a rocky outcrop exposure where soil depth is very shallow which bare testimony to this fact. The main species dominating these areas are Schima khasiana (dieng ngan) Betula alnoides (dieng lieng lieh), $\underline{\text { Alnus }} \underline{\text { nepaliensis }}$ (dieng lieng iong), Castonopsis spp (dieng stap), Duabanga Sonneratoides (dieng bai), Quercus spp (dieng sai) which has got economic value whereas other species are of no economic value and are scattered all over the project area.
2.8 Socio-Economic Profile: Socio economically the people of the area are very poor owing primarily to low agricultural productivity where people have to explore other means of livelihood. The average annual income is about Rs. 40,000/- per family.
 each of the villages in the watershed project is as follows:

| Sl Table: 2.5 Demographic Status <br> No | Villages | Nos. of Households | Male | Female | Total |
| :---: | :--- | :---: | :---: | :---: | :---: |
| 1 | Rngimawpat | 16 | 35 | 32 | 67 |
| 2 | Rangkhiat | 34 | 93 | 95 | 188 |
| 3 | Phlangdiloin | 122 | 312 | 378 | 690 |
| 4 | Pyndensynia | 53 | 150 | 156 | 306 |
| 5 | Phlangmawprah, | 36 | 112 | 107 | 219 |
| 6 | Nongmluh | 34 | 91 | 82 | 173 |
| 7 | Mawmynsor | 13 | 42 | 40 | 82 |
| 8 | Mawthungmlang | 30 | 119 | 101 | 220 |
| 9 | Mawphansaw, | 15 | 33 | 30 | 63 |
| 10 | Thnangbyriang | 10 | 25 | 23 | 48 |
|  | Total | $\mathbf{3 6 3}$ | $\mathbf{1 0 1 2}$ | $\mathbf{1 0 4 4}$ | $\mathbf{2 0 5 6}$ |

## Infrastructure facilities:

a) Roads: All the villages in the Project area are not connected by roads. Most villages are connected by footpath while some villages are connected by kutcha roads.
b) Schools: There are several schools in the project area which include lower primary, upper primary and secondary schools run either by the Mission or the Government.
c) Electricity: All 10 villages within the project Area have been electrified.
d) Health: All villages seek health care and medical facilities from Wahkaji Primary Health Centre and Mawkyrwat Community Health Centre.
e) Water supply: The PHE has been catering to the water supply requirements of the villages. However the supply is insufficient and erratic.A large number of remote habitation have to depend on spring and natural source of water especially during the dry season.
f) Marketing Facility: There is a weekly market held once in 8 days at Umdohlun village. The other weekly markets of Ranikor and Mawkyrwat are also important to the people of these villages.

Table 2.6: Infrastructure Status.

| 1 | 2 |  | 3 | 4 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Name of District | Name of Project | Parameters: |  | Status |  |  |  |
| West Khasi Hills | $\begin{gathered} \text { West Khasi } \\ \text { Hills - IWMP } \\ \text { VI } \end{gathered}$ | (i) | No. of villages connected to the main road by an all-weather road. | 4 nos with weather road where as others have no road or even footpath |  |  |  |
|  |  | (ii) | No. of village provided with electricity | All villages had been electrified |  |  |  |
|  |  | (iii) | No. of households without access to drinking water | Nil |  |  |  |
|  |  | (iv) | No. of educational institutions: | (P) | (UP) | (S) | (HS) |
|  |  |  | Primary (P)/ Secondary (S)/ Higher Secondary (HS)/ upper Primary (UP) | 16 | 4 | 4 | 1 |
|  |  | (v) | No. of village with access to Primary Health Centre | 10 |  |  |  |
|  |  | (vi) | No. of village with access Veterinary Dispensary | Nil |  |  |  |
|  |  | (vii) | No. of village with access Post Office | 10 |  |  |  |
|  |  | (viii) | No. of village with access Banks | 10 |  |  |  |
|  |  | (ix) | No. of village with access Markets/ mandis | 10 |  |  |  |
|  |  | (x) | No. of village with access Agro-Industries | Nil |  |  |  |
|  |  | (xi) | Total quantity of surplus milk | Nil |  |  |  |
|  |  | (xii) | No. of milk collection centres | (U) | (S) | (PA) | (O) |
|  |  |  | (e.g. Union (U)/ Society (S)/ Private agency (PA)/ Others (O)) | Nil | Nil | Nil | Nil |
|  |  | (xiii) | No. of villages with access to Aganwadi Centres | 10 Nos. |  |  |  |
|  |  | (xiv) | Any other facilities with no. of villages (please specify) |  |  |  |  |

2.9 Livestock: The important livestock's of the area are goats, piggery, poultry, cattle (cows and bulls), etc. and these are being taken up only as a part time occupation.

Table 2.7: Existing livestock population

| Type of Animal | Population |
| :---: | :---: |
| Piggery | 590 |
| Poultry | 3080 |
| Cattle | 5 |
| Goats | 675 |

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

Table 2.8: 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 Khasi Hills | West Khasi Hills - IWMP VI | (i) Large | 82 | 169 | Nil | 423.0 | 423.0 |
|  |  | (ii) Small | 204 |  | Nil | 440.0 | 440.0 |
|  |  | (iii) Marginal | 8 |  | Nil | 5.0 | 5.0 |
|  |  | (iv) Landless | 69 |  | Nil | Nil | Nil |
|  |  | Sub - Total | 363 | 169 | Nil | 868.0 | 868.0 |

Table 2.9: Common Property Resources in the Project Area

| 1 | 2 | 3 | 4 |  |  |  | 5 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Name of District | Name of the Projects | CPR <br> Particulars | Total Area (ha) <br> Area owned/ In possession of |  |  |  | Area available for treatment (ha) |  |  |  |
|  |  |  | Pvt. <br> Person | Govt. (specify deptt.) | PRI | Any other (Community) | Pvt. Person | Govt. (specify deptt.) | PRI | Any other (Community) |
| West Khasi Hills | West Khasi Hills - IWMP VI | (i) Wasteland/ degraded land | 960 | - |  | 1520 | 960 |  |  | 1520 |
|  |  | (ii) Pastures | 12.0 | - | - | - | 12.0 | - | - | - |
|  |  | (iii) Private Agriculture land(Cash crops) | 868.0 |  |  |  |  |  |  |  |
|  |  | (iv) Village woodlot | 30.0 |  |  |  | 30.0 |  |  |  |
|  |  | (v) Forest (Degraded) | 325.0 |  |  | 210 | 325.0 |  |  | 210 |
|  |  | (vi) Village Ponds/ Tanks | 4.0 |  |  |  |  |  |  |  |
|  |  | (vii) Community Buildings |  | 4.762 (PWD, PHE,PHC, Govt Schools) |  | 56.30 |  |  |  |  |
|  |  | (viii) Weekly Markets |  |  |  | 0 |  |  |  |  |
|  |  | (ix) Permanent Markets |  |  |  | 0 |  |  |  |  |
|  |  | (x) Temples/ Places of worship |  |  |  | 18 nos. /9.0 |  |  |  |  |
|  |  | (xi) Others (water Tank) |  |  |  | 16 nos./0.3 |  |  |  |  |
|  |  | Total | 2198 | 4.762 |  | 1795.6 |  |  |  |  |

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

Table: 3.0, Land use and land cover

| Categories | Area (ha) |
| :--- | :--- |
| Treeclad area - open | 3490.483 |
| Wasteland-scrub land - open scrub | 442.2621 |
| Other shifting cultivation current | 123.1039 |
| Agricultural land - Crop land - Kharif crop | 9.48336 |
| Wasteland-scrub land - Dense scrub | 28.06811 |
| Waste land - Sandy area - Riverine | 61.05185 |
| Waste Land - Barren rock/ Stony waste | 34.54782 |
| Total | $\mathbf{4 1 8 9 . 0 0}$ |

*Source: NESAC
2.12 Problems of the Area : Baseline Survey and PRA Exercise carried out indicates the major problems of the watershed area as per the villages surveyed are as listed below:
(1) Poor road and infrastructure
(2) Low marketing facilities for potential new products.
(3) Poor Health Care facilities.
(4) Water scarcity (inadequate water supply facility) especially in dry season.
(5) Very low agricultural activity
(6) Low fertility of soil due to heavy rainfall causing leaching of nutrients
(7) Less geographical area under dense forest.
(8) Scanty vegetation covers due to recurring fire hazards and over exploitation
(9) Lack of modern technological inputs for farming
(10)Lack of awareness and knowledge on improved agricultural practices
(11)Un-utilized wastelands
(12)Very poor sanitation

Measurable attempts and approaches have been formulated in the watershed treatment plan of the detailed project report so as to mitigate the problem and expecting to overcome them.

## CHAPTER III

## PROJECT PLANNING \& INSTITUTION BUILDING

### 3.1 Scientific Planning

i) Base Line Survey: To establish a benchmark for assessing the impact of any intervention (pre-project \& post project) a baseline survey is essential. The baseline survey included household census \& socio-economic survey by using structured and semi-structured questionnaires, bio-physical survey to identify and assess the status of natural resources in the project area.
ii) Participatory Rural Appraisal: To further obtain information on the project area, the people, resources, various PRA techniques like resource mapping, social mapping, seasonal calendars, matrix ranking, and Venn diagrams were used.
iii) GIS \& Remote Sensing: To facilitate the process of prioritization and planning Geographic Information System was use. The land use and land cover (LULC) maps prepared by the North Eastern Space Application Centre (NESAC) using the LISS III images (2006) were used. The proposed 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:

| $\mathbf{1}$ | $\mathbf{\| c \|}$ |  |
| :---: | :--- | :---: |
| Sl.No. |  | Scientific criteria/ inputs used |
|  | Planning | No. of projects in which scientific criteria <br> were used |
|  | Cluster approach |  |
|  | Whether technical back-stopping for the project has been arranged? If yes, mention the name of the Institute. |  |
|  | Baseline survey | Yes |
|  | Hydro-geological survey | NESAC, SLNA an NEHU |
|  | Contour mapping | Yes |
|  | Participatory Net Planning (PNP) | No |


| 1 | 2 | 3 |
| :---: | :---: | :---: |
|  | Remote sensing data-especially soil/ crop/run-off cover | Yes |
|  | Ridge to Valley treatment | Yes |
|  | Online IT connectivity between |  |
|  | (1) Project and DRDA cell/ZP | Yes |
|  | (2) DRDA and SLNA | Yes |
|  | (3) SLNA and DoLR | Yes |
|  | Availability of GIS layers |  |
|  | 1. Cadastral map |  |
|  | 2. Village boundaries |  |
|  | 3. Drainage | Yes |
|  | 4. Soil (Soil nutrient status) | Yes |
|  | 5. Land use | Yes |
|  | 6. Ground water status | Yes |
|  | 7. Watershed boundaries | Yes |
|  | 8. Activity | Yes |
|  | Crop simulation models ${ }^{\#}$ |  |
|  | Integrated coupled analyzer/ near infrared visible spectroscopy/ medium spectroscopy for high speed soil nutrient analysis |  |
|  | Normalized difference vegetation index (NDVI)\# |  |
|  | Weather Stations | Yes |
| B. | Inputs |  |
|  | 1. Bio-pesticides |  |
|  | 2. Organic manures | Yes |
|  | 3. Vermi-compost | Yes |
|  | 4. Bio-fertilizer | Yes |
|  | 5. Water saving devices | Yes |
|  | 6. Mechanized tools/ implements | No |
|  | 7. Bio-fencing | Yes |
|  | 8. Nutrient budgeting |  |
|  | 9. Automatic water level recorders \& sediment samplers |  |
|  | Any other (please specify) | - |

### 3.2 Project Implementing Agency:

The PIA is the Soil \& Water Conservation Nongstoin Division, West Khasi 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 Khasi Hills | West Khasi Hills - IWMP VI | (i) Type of organization\# | Government |
|  |  | (ii) Name of organization | Soil \& Water Conservation Division, Nongstoin |
|  |  | (iii) Designation \& Address | Divisional Soil \& Water Conservation Officer, Nongstoin |
|  |  | (iv) Telephone | 03654-280236 |
|  |  | (v) Fax | 03654-280236 |
|  |  | (vi) E-mail |  |

### 3.3 Institution Building

## i) Watershed Committee (WC)

The Watershed Committee of the Umtham, IWMP VI was constituted with the active involvement of the villagers with strong support of the Traditional Institutions (Village Durbar/Council). The Umtham Watershed Committee has been registered under the Society Registration Act 1860.

Table 3.2: Details of Watershed Committees (WC):

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Names of the Districts | Names of projects | Names of WCs | Date of Registration as a Society (dd/mm/ уууу) | $\begin{gathered} \text { Designa } \\ \text { tion } \end{gathered}$ | M/F | SC | ST | SF | MF | LF | Land-less | UG | SHG | GP | Any other | Educational Qualify- cation | Function/s assigned\# |
| West Khasi Hills District | $\begin{gathered} \text { WKH - IWMP } \\ \text { VI } \end{gathered}$ | Umtham Watershed |  | Chairman | M | - | ST |  |  | $\checkmark$ |  |  |  |  |  | SSLC | A,B,C,D,E,G,H,I |
|  |  |  |  | Secretary | M | - | ST |  |  |  |  |  |  |  |  | B.A, Diploma in Forestry | A to J |
|  |  |  |  | Member | 10 M | - | ST | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ | $\checkmark$ |  |  |  |  |  |
|  |  |  |  | Member | 4 F | - | ST |  | $\checkmark$ |  |  | $\checkmark$ |  |  |  | B.A. | A,B,E,H |
|  |  |  |  | Total | 16 |  |  |  |  |  |  |  |  |  |  |  |  |

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

## ii) Self Help Group

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

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


## 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 UG's |  |  |  | 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 |
| West Khasi Hills | WKH IWMP-VI |  |  | 9 | 9 | (i)Landless | 30 | 20 | 50 | 30 | 20 | 50 | 18 | 9 | 27 |
|  |  |  |  |  |  | (ii) SF | 25 | 15 | 40 | 25 | 15 | 40 |  |  |  |
|  |  |  |  |  |  | (iii) MF | 25 | - | 25 | 25 | - | 25 |  |  |  |
|  |  |  |  |  |  | (iv) LF | 20 | - | 20 | 20 | - | 20 |  |  |  |
| Total |  |  |  |  | 9 |  | 100 | 35 | 135 | 100 | 35 | 135 | 18 | 9 | 27 |

## CHAPTER IV

## PROJECT ACTIVITIES

### 4.1 Preparatory Phase:

i) Entry Point Activities (EPA)

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 <br> activities | Baseline survey | Hydrogeologic al survey | Identifying technical support agencies | Resource agreements | Preparatio n of DPR | Evaluation of DPR | Any other (please specify) | Cost incurred (Rs. In lakh) |
| West Khasi Hills | West <br> Khasi <br> Hills IWMP VI | Formation of Sub- <br> Committee | 2 Nos | 1 No | Socio - <br> Economic survey and participatory Rural Appraisal Exercise GPS Survey Baseline survey for identifying of worksite and intervention | N.A | Done | Done | Done |  | DPR, <br> Institutional \& Capacity Builbing, IEC Activities | 5.1 |

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

| 1 | 2 | 3 | 4 | 5 |  | 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { Sl. } \\ \mathrm{N} \\ \mathrm{o} \end{gathered}$ | NameofStates | $\begin{gathered} \text { Name } \\ \text { of } \\ \text { Districts } \end{gathered}$ | Name of Projects | Type of structures | Pre Project |  |  | Proposed Project |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | Augmentation/ repair of existing structures |  |  |  | Construction of new structures |  |  |  | Total target |  |  |  |
|  |  |  |  |  | $\begin{gathered} \mathrm{N} \\ \mathrm{o} \end{gathered}$ | Area irrigated (ha) | Storage capacit y | No | Area to be treated (ha) | Storage capacity | Estimate d cost (in lakhs) | No | Area to be treated (ha) | Storage capacity (per unit) | Estimate d cost (in lakhs) | No | Area to be treated (ha) | Stora <br> ge capac ity $\left(\mathrm{m}^{3}\right)$ | Estimate d cost |
| 1 | Megh alaya | West <br> Khasi <br> Hills | West Khasi Hills IWMP VI | (i) Tank | 16 |  | $\begin{gathered} 500 \mathrm{~m}^{3} \\ \text { each } \end{gathered}$ |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | (ii) Dud-out Pond | 3 |  | $\begin{gathered} 900 \mathrm{~m}^{3} \\ \text { each } \end{gathered}$ |  |  |  |  | 4 | 32.0 | $700 \mathrm{~m}^{3}$ | 2.5941 | 4 | 32.0 | $\underset{3}{700 \mathrm{~m}}$ | 2.5941 |
|  |  |  |  | (iii) Lake | 1 |  | $\begin{gathered} 45000 \\ \mathrm{~m}^{3} \end{gathered}$ |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | (iv) C Dam |  |  |  |  |  |  |  | 15 | $\begin{array}{r} 183 \\ .207 \end{array}$ | $600 \mathrm{~m}^{3}$ | 13.9699 | 15 | $\begin{array}{r} 183 \\ .207 \end{array}$ | $\underset{3}{600 \mathrm{~m}}$ | 13.9699 |
|  |  |  |  | (v) Wells | 6 |  | $1.5 \mathrm{~m}^{3}$ |  |  |  |  | 1 | 5.0 | $9 \mathrm{~m}^{3}$ | 0.5 | 1 | 5.0 | $9 \mathrm{~m}^{3}$ | 0.5 |
|  |  |  |  | (vi) Water Harvesting | 1 |  | $\begin{gathered} 1200 \mathrm{~m} \\ 3 \end{gathered}$ |  |  |  |  | 18 | 236.0 | 2088m ${ }^{3}$ | 19.5673 | 18 | 236.0 | $\begin{gathered} 2088 \\ \mathrm{~m}^{3} \end{gathered}$ | 19.5673 |
|  |  |  |  | D/Irrigation |  |  |  |  |  |  |  | 2 | 2.0 | - | 1.48 | 2 | 2.0 | - | 1.48 |
|  |  |  | Total |  | 26 |  |  |  |  |  |  | 40 | 458.207 |  | 38.1113 | 40 | 458.207 |  | 38.1113 |


| 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 <br> (ha) | Storage capacity | Estimated incurred |  | - |
|  | - |  |  |  |  |  |  |  |  |  |  |  |
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4.2.2 Activities related to recharging ground water resources in the project areas:

| 1 | 2 | 3 | 4 | 5 |  | 6 | 7 |  |  |  |  |  |  |  | 8 |  |  |  |  |  |  |  | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { S. } \\ \text { No. } \end{gathered}$ | Names of States | $\begin{gathered} \text { Names } \\ \text { of } \\ \text { Districts } \end{gathered}$ | $\begin{aligned} & \text { Names } \\ & \text { of } \\ & \text { projects } \end{aligned}$ | Type of structures | Pre-project |  | Proposed target |  |  |  |  |  |  |  | Achievement due to project |  |  |  |  |  |  |  | Change in <br> irrigated <br> areaCol. 8-6) <br> (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 |  |  |
|  |  |  |  |  |  | irrigated (ha) | No. | $\begin{array}{\|c\|} \hline \text { Area to } \\ \text { be } \\ \text { irrigated } \\ \text { (ha) } \end{array}$ | Estimate d cost | No. | Area to be irrigate d (ha) | Estimate d cost | Area to be irrigated (ha) | Estimate <br> d cost | No. | Area irrigated (ha) | Expen di-ture incurre d | No | Area irrigated (ha) | $\begin{array}{\|c\|} \hline \text { Expend } \\ \text { i-ture } \\ \text { incurre } \\ d \\ \hline \end{array}$ | Area irrigated (ha) | Expendi- ture incurred |  |
| 1 | Meghalaya | West <br> Khasi <br> Hills | $\begin{array}{\|c\|} \text { WKH- } \\ \text { IWMP VI } \end{array}$ | (i)Open wells |  | Nil |  | Nil |  |  | Nil |  | Nil |  |  | Nil |  |  | Nil |  | Nil |  |  |
|  |  |  |  | (ii)Bore wells |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | (iii)Others <br> (Drinking Well) | 6 |  |  |  |  | 6 |  | 3.1466 |  |  |  |  |  | 6 |  | 3.1466 |  | 3.1466 |  |
|  |  |  |  | Total for the project |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

4.2.3 Activities executed by User Groups in the Project Areas.

| Names of Districts | 2 | 3 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Names of Projects | Major activities of the UGs -Targets |  |  |  | No. of UGs involved | Estimated Cost | Amount of WDF to be collected (Rs.) |
|  |  | Structure/ activity proposed |  |  |  |  |  |  |
|  |  | Sl. No. | Type | No.\# | Treatment (ha) |  |  |  |
|  |  | 1. | Public Toilet <br> Drinking Well <br> W/H cum washing Place <br> Footbridge <br> C/Dam | $\begin{aligned} & 2 \\ & 5 \\ & 2 \\ & 1 \\ & 2 \end{aligned}$ |  |  | $\begin{aligned} & 3.4414 \\ & 2.6466 \\ & 1.0276 \\ & 1.7043 \\ & 1.3801 \end{aligned}$ |  |
| West Khasi Hills | $\begin{aligned} & \text { West Khasi } \\ & \text { Hills - } \\ & \text { IWMP VI } \end{aligned}$ | 2. | Afforestation <br> Strip Plantation <br> Improvement of existing Degraded forest <br> Dug-out <br> Check dam <br> Drinking well <br> Water harvesting | $\begin{gathered} 4 \\ 15 \\ 1 \\ 18 \end{gathered}$ | $\begin{gathered} 45.0 \\ 32.0 \\ 500.0 \\ 32.0 \\ 183.207 \\ 5.0 \\ 236.0 \end{gathered}$ |  | $\begin{gathered} \hline 4.545 \\ 1.3651 \\ 18.00 \\ 2.5941 \\ 13.9699 \\ 0.5 \\ 19.5673 \end{gathered}$ | $\begin{gathered} \hline 0.22725 \\ 0.06826 \\ 0.9 \\ 0.12971 \\ 0.6985 \\ 0.025 \\ 0.97837 \end{gathered}$ |

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. <br> No. | Type | No.\# | Treated Area (ha.) |  |  | SC | ST | F |  |
| 1. | Public Toilet <br> Drinking Well <br> W/H cum washing Place <br> Footbridge <br> C/Dam | $\begin{aligned} & 2 \\ & 5 \\ & 2 \\ & 1 \\ & 2 \end{aligned}$ |  | 9 | $\begin{aligned} & \hline 3.4414 \\ & 2.6466 \\ & 1.0276 \\ & 1.7043 \\ & 1.3801 \end{aligned}$ |  | 0.05231 |  |  |
| 2. | Afforestation <br> Strip Plantation <br> Improvement of existing Degraded forest <br> Dug-out <br> Check dam <br> Drinking well <br> Water harvesting | $\begin{gathered} 4 \\ 15 \\ 1 \\ 18 \end{gathered}$ | $\begin{gathered} 45.0 \\ 32.0 \\ 500.0 \\ 32.0 \\ 183.207 \\ 5.0 \\ 236.0 \end{gathered}$ |  |  |  | 0.31047 |  | $\begin{gathered} 0.22725 \\ 0.06826 \\ 0.9 \\ 0.12971 \\ 0.6985 \\ 0.025 \\ 0.97837 \end{gathered}$ |

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 |
| West Khasi Hills | West Khasi Hills - IWMP VI | Cattle rearing |  |  |
|  |  | Grocery shop/small cottage industry |  |  |
|  |  | Food processing |  |  |
|  |  | Mushroom cultivation |  |  |
|  |  | Pisiculture |  |  |
|  |  | Apiculture |  |  |
|  |  | Poultry |  |  |
|  |  | Piggery |  |  |

### 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 <br> (pl. specify) |  |  | I | II | III |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
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4.2.7 Other activities of watershed works phase:

| 1 | 2 | 3 |  | 4 |  | 5 |  | 6 |  | 7 |  | 8 |  | 9 |  | 10 |  | 11 |  | 12 |  | 13 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \stackrel{\ddot{0}}{3} \\ & 0 \\ & 0 \end{aligned}$ | Names of projects | Ridge area | eatment | Drainage line treatment |  | Nursery raising |  | Land development |  | Crop demonstrations |  | Pasture development |  | Veterinary services |  | Fishery development |  | Non-conventional energy |  | Any other (please specify) |  | Total cost incurred (Rs. In lakhs) |
|  |  | (a) | (b) | (a) | (b) | (a) | (b) | (a) | (b) | (a) | (b) | (a) | (b) | (a) | (b) | (a) | (b) | (a) | (b) | (a) | (b) |  |
| WKH | WKHIWMP -VI | $\begin{gathered} \text { Aff }^{\mathrm{n}} \\ 45.0 \mathrm{ha} \end{gathered}$ | 4.5450 | C/Dam <br> cum <br> Washing place 183.207 ha | 13.9699 |  |  | Peripheral Bunding 45.713 ha | 9.5426 | $\begin{aligned} & 87 \text { units/ } \\ & 21.75 \mathrm{ha} \end{aligned}$ | 4.35 |  |  |  |  |  |  |  |  |  |  | 32.4075 |
|  |  | Strip Plantation 32.0 ha | 1.3651 | $\mathrm{D} /$ <br> Irrigation <br> 2.0ha | 1.48 |  |  | Contour Bunding 93.33ha | 7.00 |  |  |  |  |  |  |  |  |  |  |  |  | 9.8451 |
|  |  | $\begin{aligned} & \text { Improve }^{\mathrm{n}} \\ & \text { of Forest } \\ & 500.0 \text { ha } \end{aligned}$ | 18.0 | $\begin{array}{\|c\|} \hline \text { Dug- } \\ \text { out/F/Po } \\ \text { nd } \\ 32.0 \mathrm{ha} \end{array}$ | 2.5941 |  |  | Impropaddy 2.0 ha | 0.086 |  |  |  |  |  |  |  |  |  |  |  |  | 20.6801 |
|  |  | AgroHorti 400.0 ha | 34.40 | $\begin{aligned} & \text { W/harve } \\ & \text { sting } \\ & 236.0 \mathrm{ha} \end{aligned}$ | 19.5673 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 53.9673 |
|  |  | AgroForestry 100.0 ha | 10.10 | D/well <br> 5.0 ha | 0.50 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10.6 |

4.2.8 Details of engineering structures in watershed works:


Contd.
4.2.9 Details of engineering structures in watershed works.

| 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outcomes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Reduction in run off (cu.m) | Area treated\# (ha) | Water level (m) |  |  |  | Production (quintal) |  | Income (Rs.) |  | Mandays generated |  |  |  |  | No. of beneficiaries |  |  |  |  |
|  |  | Pre-project |  | Post project |  | Pre-project | Post project | Preproject | Post project | SC | ST | Others (Men) | Women | Total | SC | ST | Others | Women | Total |
|  |  | Rainy | Non | Rainy | Non |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

| 1 | 2 | 3 |  | 4 |  |  | 5 |  | 6 |  |  | 7 |  |  |  | 8 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | ee of treatm | ment |  | Type of 1 | and | Executing agency |  |  | arget |  |  |  | Achievement |  |
| District | Projec <br> t | Name of structure/ work | (i) Ridge area (R) | (ii) <br> Drainage line <br> (D) |  | (i) <br> Privat <br> e | (ii) <br> Comm unity | (iii) Others (pl. specify ) | (i) UG <br> (ii)SHG <br> (iii) Others (pl. specify) | Area <br> (ha) | No. of plants | Estimated cost (Rs. in lakh) | Expected month \& year of comple-tion (mm/ yyyy) | Area <br> (ha) | No. of plants | Expendi-ture incurred (Rs. in lakh) | Actual month \& year of completion (mm/ yyyy) |
| WKH | $\begin{gathered} \text { WKH } \\ \text { IWMP } \\ \text { VI } \end{gathered}$ | Afforestation | R |  |  | $\checkmark$ |  |  | UG/SHG | 45.0 | 13,500 | 4.545 | 03/2014 |  |  |  |  |
|  |  | Strip plantation | R |  |  |  | $\checkmark$ |  | UG/WC | 32.0 | 4288 | 1.3651 | 03/2014 | - | - | - | - |
|  |  | Agro-forestry |  |  | L | $\checkmark$ |  |  | Benefeciaries | 100.0 | 30,000 | 10.10 | 03/2014 | - | - | - | - |
|  |  | Improvement of existing forest | R |  |  | $\checkmark$ | $\checkmark$ |  | UG/WC | 500.0 | 50,000 | 18.00 | 03/2014 |  |  |  |  |
|  |  | Agro- Horticulture |  |  | L | $\checkmark$ |  |  | Benefeciaries | 400.0 | 64,000 | 34.40 | 03/2014 | - | - | - | - |

\# in case two or more activities are executed over same area, the figures in area treated should be accounted only once and should reflect only the actual watershed area treated.
4.2.11 Details of vegetative structures in watershed works: Phase - II (contd.):

| 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Outcomes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Reduction in run off (cu.m) | Production (quintal) |  | Income (Rs.) |  | Mandays generated |  |  |  |  | No. of beneficiaries |  |  |  |  |
|  |  |  | SC | ST | Others | Women | Total | SC | ST | Others | Women | Total |
|  | Pre-project | Post project |  |  |  |  |  |  |  |  |  |  | Pre-project | Post project |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

4.2.12 Details of allied / other activities:

| 1 | 2 | 3 | 4 |  |  | 5 | 6 |  | 7 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Project | Name of activity@ | Type of land |  |  | Executing agency | Target |  | Achievement |  |
| District |  |  | (i) <br> Private | (ii) <br> Community | (iii) Others (landless) | (i) UG <br> (ii)SHG <br> (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 Khasi Hills | Umtham | Tailoring - 15 units | - | - | $\checkmark$ | UG/SHG | 1.20 | 03/2014 |  |  |
|  |  | Carpentry/ Agri-implements/ Basket making etc $\quad-12$ nos. | $\checkmark$ |  | $\checkmark$ | Individual | 0.60 | 03/2014 |  |  |
|  |  | Apiculture - 101Units | $\checkmark$ |  |  | UG/SHG/Individual | 8.08 | 03/2014 |  |  |
|  |  | Poultry/Piggery/Duckery -34units | $\checkmark$ |  |  | Do | 2.72 | 03/2014 |  |  |
|  |  | Hollow Block - 1no |  |  | $\checkmark$ | Individual | 0.30 | 03/2014 |  |  |
|  |  | Piggery Farming - 17units | $\checkmark$ |  |  | UG/SHG/Individual | 5.10 | 03/2014 |  |  |
|  | IWMP VI | Vermi-Composting -30 units | $\checkmark$ |  |  | UG/SHG/Individual | 3.75 | 03/2014 |  |  |
|  |  | Kitchen gardening -366 units | $\checkmark$ |  |  | Individual | 9.15 | 03/2014 |  |  |
|  |  | Fruit processing -12 units | $\checkmark$ |  |  | UG/SHG/Individual | 6.00 | 03/2014 |  |  |
|  |  | Sericulture -1 units | $\checkmark$ |  |  | Individual | 0.30 | 03/2014 |  |  |
|  |  | Mushroom cultn -2 units | $\checkmark$ |  |  | SHG/Individual | 0.60 | 03/2014 |  |  |
|  |  | Cattle rearing -4 units | $\checkmark$ |  |  | SHG/Individual | 2.00 | 03/2014 |  |  |
|  |  | Grocery shop -41 units | $\checkmark$ |  |  | SHG/Individual | 12.30 | 03/2014 |  |  |
|  |  | Pisiculture -21 units | $\checkmark$ |  |  | Individual | 6.3 | 03/2014 |  |  |

(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:



### 4.3 Consolidation and withdrawal phase

Details of activities in the CPRs in the project areas:


## CHAPTER V

## PROJECT PHASING \& BUDGETING

PLAN FOR RELEASE OF PROJECT FUND BY SLNA TO PIA \& WC
FOR UMTHAM WATERSHED

## (WEST KHASI HILLS DISTRICT IWMP PROJECT VI)

| Particulars of Budget Component | Prescribed Percentage \% |  | PIA \% |  | WC \% |  | Year Wise Phasing \& breakup of prescribed percentage under column - 2 (\%) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $1^{\text {st }}$ Year | $2^{\text {nd }}$ Year |  | $3^{\text {rd }}$ year |  | $4^{\text {th }}$ Year |  | $5^{\text {th }}$ Year |  |
|  | Phy | Fin |  |  | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin |
| 1. Administrative |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| I.Administrative cost | 10 | 25.50 | 10 | 25.50 | - | - |  |  | 2\% | 5.10 | 5\% | 12.75 | 3\% | 7.65 | - | - |
| ii.Monitoring | 1 | 2.55 | 1 | 2.55 | - | - | - | - | 0.2\% | 0.51 | 0.5\% | 1.25 | 0.3\% | 0.765 | - | - |
| iii.Evaluation | 1 | 2.55 | 1 | 2.55 | - | - | - | - | 0.3\% | 0.765 | 0.5\% | 1.25 | 0.2\% | 0.51 | - | - |
| Total of 1: | 12 | 30.60 | 12 | 30.60 | - | - |  |  | 2.5\% | 6.375 | 6\% | 15.30 | 3.5\% | 8.925 | - | - |
| 2. Preparatory Phase |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - | - |
| i.Entry Point Activities | 4 | 10.20 | 4 | 10.20 |  |  | 4\% | 10.20 | - | - | - | - | - | - | - | - |
| ii. Institution, capacity building and training, IEC activities | 5 | 12.75 | 5 | 12.75 |  |  | 1\% | 2.55 | 2\% | 5.10 | 1\% | 2.55 | 1\% | 2.55 | - | - |
| iii.Preparation of DPR | 1 | 2.55 | 1 | 2.55 |  |  | 1\% | 2.55 |  |  |  |  |  |  | - | - |
| Total of 2: | 10 | 25.50 | 10 | 25.50 |  |  | 6\% | 15.30 | 2\% | 5.10 | 1\% | 2.55 | 1\% | 2.55 | - | - |
| 3.Watershed Works Phase |  |  |  |  |  |  |  |  |  |  |  |  |  |  | - | - |
| i.Watershed treatment/development works | 50 | 127.50 |  |  | 50 | 127.50 |  |  | 7.5\% | 19.125 | 35\% | 89.25 | 7.5\% | 19.125 | - | - |
| ii.livelihood activities | 10 | 25.50 |  |  | 10 | 25.50 |  |  | 1\% | 2.55 | 3\% | 7.65 | 6\% | 15.3 | - | - |
| iii.Production system \& micro Enterprises | 13 | 33.15 |  |  | 13 | 33.15 |  |  | 1\% | 2.55 | 5\% | 12.75 | 7\% | 17.85 | - | - |
| Total of 3: | 73 | 186.15 |  |  | 73 | 186.15 |  |  | 9.5\% | 24.225 | 43\% | 109.65 | 20.5\% | 52.275 | - | - |
| 4.Consolidation \& withdrawal phase | 5 | 12.75 |  |  | 5 | 12.75 |  |  |  |  |  |  |  |  | 5\% | 12.75 |
| Total of 4: | 5 | 12.75 |  |  | 5 | 12.75 |  |  |  |  |  |  |  |  | 5\% | 12.75 |
| Total of 1-4: | 100\% | 255.0 | 22\% | 56.10 | 78\% | 198.9 | 6\% | 15.30 | 14\% | 35.70 | 50\% | 127.50 | 25\% | 63.75 | 5\% | 12.75 |

## ACTION PLAN OF UMTHAM WATERSHED UNDER IWMP - VI, NONGSTION DIVISION:WEST KHASI HILLS DISTRICT.

Name of District: West Khasi Hills Name of C\&RD BlockRanikor.

Total Project Area: 4189 ha
Total Treatment Area: 1700 Ha

Total project Cost: 255.0(lakhs) No. of villages - 10 nos.

| Sl. | Activities | $\mathrm{I}^{\text {st }}$ Year |  | II ${ }^{\text {nd }}$ Year |  | III ${ }^{\text {rd }}$ Year |  | IV ${ }^{\text {th }}$ Year |  | $\mathbf{V}^{\text {th }}$ Year |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| No |  | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| I | MANAGEMENT COST: |  |  |  |  |  |  |  |  |  |  |  |  |
| A. | Administrative cost: | - | - |  |  |  |  |  |  |  |  |  |  |
| i. | Honourarium of WDT Members @ Rs. 5000/ month -3 no. | - | - |  | 1.80 |  | 2.70 |  | 1.80 | - | - |  | 6.30 |
| ii. | Hon ${ }^{\text {rm }}$ of Watershed Volunteers @ Rs2500/- month 3 nos. | - | - |  | 0.90 |  | 1.80 |  | 0.90 | - | - |  | 3.60 |
| iii. | Hon ${ }^{\text {rm }}$ WCO's @ Rs. 750/month. | - | - |  | 0.090 |  | 0.18 |  | 0.09 | - | - |  | 0.36 |
| iv. | Hon ${ }^{\text {rm }}$ WCM @ Rs. 300/members/ month for 25 nos. | - | - |  | 0.90 |  | 1.80 |  | 0.90 | - | - |  | 3.60 |
| v | Sub-Committee @ Rs 100/member/month for 50 | - | - |  | 0.60 |  | 1.20 |  | 0.60 | - | - |  | 2.40 |
| vi | Hon ${ }^{\text {rm }}$ Office assistance @ Rs. 3000/- month. | - | - |  | 0.36 |  | 0.72 |  | 0.36 | - | - |  | 1.44 |
| vii | Hon ${ }^{\text {rm }}$ Chartered Accountant /Social Audit | - | - |  | 0.10 |  | 0.80 |  | 0.40 | - | - |  | 1.30 |
| viii | TA/DA of Field Asstt. @ 5000/ month | - | - |  | 0.15 |  | 1.50 |  | 0.60 | - | - |  | 2.25 |
| ix. | Hiring charges of office building @ 1000 | - | - |  | 0.12 |  | 0.24 |  | 0.12 | - | - |  | 0.48 |
| X | Hiring charges of vehicle @ 5000/ month | - | - |  | 0.05 | - | 1.00 | - | 0.75 | - | - |  | 1.80 |
| xi | Office expenses, POL, Stationeries, printing of SHG's books, pamphlets, tea, snacks etc, cost of camera. | - | - | - | 0.03 | - | 0.81 | - | 1.13 | - | - | - | 1.97 |
|  | Total of A: | - | - | $2 \%$ | 5.10 | $5 \%$ | 12.75 | $3 \%$ | 7.65 | - | - | $10 \%$ | 25.50 |
|  | PREPARATORY PHASE : |  |  |  |  |  |  |  |  |  |  |  |  |
| B. | Entry Point Activities: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. | Check Dam | 2nos | 1.3801 | - | - | - | - | - | - | - | - | 2nos | 1.3801 |
| ii. | Public Toilet | 2nos | 3.4414 | - | - | - | - | - | - | - | - | 2 nos | 3.4414 |
| iii | Drinking Well | 5nos | 2.6466 | - | - | - | - | - | - | - | - | 5 nos | 2.6466 |
| iv | Washing/Bathing/p.Form | 2 nos | 1.0276 | - | - | - | - | - | - | - | - | 2 nos | 1.0276 |
| v | Footbridge | 1 no | 1.7043 | - | - | - | - | - | - | - | - | 1no | 1.7043 |
|  | Total of B: | 4\% | 10.2 | - | - | - | - | - | - | - | - | 4\% | 10.2 |


| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| C | Training: |  |  |  |  |  |  |  |  |  |  |  |  |
| i. | Awareness Campaign \& Capacity building |  | 0.4 |  | 1.0 |  | 0.4 |  | 0.4 | - | - |  | 2.4 |
| ii. | Exposure visits - off. Campus |  | 0.4 |  | 1.0 |  | 0.4 |  | 0.4 | - | - |  | 2.4 |
| iii. | Capacity building of SHG's/ UG's. |  | 0.75 |  | 1.7 |  | 0.75 |  | 0.75 | - | - |  | 4.15 |
| iv. | Capacity building of WC Members. |  | 0.5 |  | 0.7 |  | 0.5 |  | 0.5 | - | - |  | 1.9 |
| v. | Capacity of WDT/WV |  | 0.5 |  | 0.7 |  | 0.5 |  | 0.5 | - | - |  | 1.9 |
|  | Total of C: | 1\% | 2.55 | 2\% | 5.1 | 1\% | 2.55 | 1\% | 2.55 | 0 | 0 | 5\% | 12.75 |
| D. | Detailed Project Report: |  |  | - | - | - | - | - | - | - | - |  |  |
| i. | Cost of Resources Inventories works |  |  | - | - | - | - | - | - | - | - |  |  |
| ii. | Cost of PRA Exercises |  |  | - | - | - | - | - | - | - | - |  |  |
| iii. | Cost of Land use Survey works |  |  | - | - | - | - | - | - | - | - |  |  |
| iv. | Cost of formulating |  |  | - | - | - | - | - | - | - | - |  |  |
|  | Total of D: | 1\% | 2.55 | - | - | - | - | - | - | - | - | 1\% | 2.55 |
| E. | Monitoring \& Evaluation: |  |  |  |  |  |  |  |  |  |  |  |  |
| i. | Monitoring | - | - | 0.2\% | 0.51 | 0.5\% | 1.275 | 0.3\% | 0.765 | - | - | 1\% | 2.55 |
| ii. | Evaluation. | - | - | 0.3\% | 0.765 | 0.5\% | 1.275 | 0.2\% | 0.51 | - | - | 1\% | 2.55 |
|  | Total of E: | - | - | 0.5\% | 1.275 | 1\% | 2.55 | 0.5\% | 1.275 | 0 | 0 | 2\% | 5.10 |
|  | Total of I (A to E) | 6\% | 15.30 | 4.5\% | 11.475 | 7\% | 20.4 | 4.5\% | 8.925 | 0 | 0 | 22\% | 56.10 |
| II | PROJECT COST/WATERSHED WORKS PHASE : |  |  | 7.5\% |  | 35\% |  | 7.5\% |  |  |  | 50\% |  |
| A. | Arable Land Treatment: |  |  |  |  |  |  |  |  |  |  |  |  |
| i. | Contour Bunds @ Rs. 7,500/ ha for 93.33 ha | - | - | - | - | 93.33 ha | 7.0 |  |  | - | - | 93.33 ha | 7.0 |
| ii | Agro-Horticulture Devt. Rs. 8,600/ ha for 400 ha | - | - | - | - | 56.0 ha | 23.60 | 344.0 ha | 10.80 | - | - | 400.0 ha | 34.40 |
| iii | Peripheral Bunding@ Rs 50/ r.m for 19085.2 r.m | - | - | 52.2/0.10 ha | 0.0261 | $\begin{gathered} 18558.8 \\ \text { /46.0825 ha } \end{gathered}$ | 9.2794 | $\begin{gathered} \text { 474.2/1.5305 } \\ \text { ha } \end{gathered}$ | 0.2371 | - | - | $\begin{gathered} \hline 19085.2 / \\ 47.713 \\ \text { ha } \end{gathered}$ | 9.5426 |
| iv | Crop Demonstration@ Rs 5,000 / Unit for 87 Units | - | - | 1/0.25 ha | 0.05 | 86/21.5 ha | 4.3000 |  |  | - | - | $\begin{gathered} 87 / \\ 21.75 \mathrm{ha} \end{gathered}$ | 4.35 |
| v | Improvement of existing paddy field @ Rs 4,300/ha for 2ha | - | - | 1/2.0 ha | 0.086 | - | - | - | - |  |  | 1/2.0 ha | 0.086 |
|  | Total of A : | - | - | 2.35 ha | 0.1621 | 216.9125 ha | 44.1794 | 345.5305 ha | 11.0371 | - | - | $\begin{gathered} 564.793 \\ \text { ha } \end{gathered}$ | 55.3786 |
| B. | Non- Arable Land Treatment: |  |  |  |  |  |  |  |  |  |  |  |  |
| i | Afforestation @ Rs 10,100/ha for 45ha | - | - | 9/30.0 ha | 3.24 | 15.0 ha | 1.305 |  |  | - | - | 9/45.0 ha | 4.545 |
| ii. | Agro-Forestry Devt. works @ Rs. 10,100/ ha for 100 ha | - | - | - | - | 10.0 ha | 7.2 | 90.0 ha | 2.9 | - | - | 100.0 ha | 10.1 |
| iii | Improvement of existing Degraded Forest @ Rs. 3600/ ha for 500 ha | - | - | 267.4125 ha | 13.0 | 232.5875 ha | 5.0 |  |  | - | - | 500.0 ha | 18.0 |
| iv. | Strip Plantation @ Rs.4,266/ ha for 32 | - | - | 20.0 ha | 0.9843 | 12.0 ha | 0.3808 |  |  | - | - | 32.0 ha | 1.3651 |
|  | Total of B: | - | - | 317.4125 ha | 17.2243 | 269.5875 ha | 13.8858 | 90.0 ha | 2.90 | - | - | 677.0 ha | 34.0101 |


| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| C | Drainage Line Treatment: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. | Drip irrigation | - | - |  |  | 2/2.00 ha | 1.48 |  |  |  |  | 2/2.0 ha | 1.48 |
| ii | Dug-Out Pond/Farm Pond | - | - | 1/11.50 ha | 0.9273 | 3/20.50 ha | 1.6668 |  |  |  |  | 4/32.0 ha | 2.5941 |
| iii | Water Harvesting structures | - | - |  |  | 18/236.0 ha | 19.5673 |  |  |  |  | $\begin{gathered} 18 / \\ 236.0 \mathrm{ha} \end{gathered}$ | 19.5673 |
| iv | Check Dam cum Washing Place | - | - | 1/8.7375 ha | 0.8113 | 7/100.0 ha | 7.9707 | 7/74.4695 ha | 5.1879 |  |  | $\begin{aligned} & 15 / 183 \\ & .207 \mathrm{ha} \\ & \hline \end{aligned}$ | 13.9699 |
| v | Drinking Well | - | - |  |  | $1 / 5.0 \mathrm{ha}$ | 0.50 |  |  |  |  | $1 / 5.0 \mathrm{ha}$ | 0.50 |
|  | Total of C : | - | - | $\begin{gathered} 2 / \\ 20.2375 \mathrm{ha} \\ \hline \end{gathered}$ | 1.7386 | 31/363.5 ha | 31.1848 | 7/74.4695 ha | 5.1879 | - | - | 458.207 ha | 38.1113 |
|  | Total of (A + B + C) | - | - | 340.0 ha | 19.125 | 850.0 ha | 89.25 | 510.0 ha | 19.125 | - | - | 1700.0 ha | 127.50 |
| 1 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| D | Livelihood Activities for landless persons: |  |  | 1\% |  | 3\% |  | 6\% |  |  |  | 10\% |  |
| i. | Carpentry/Black smithy/Basketry/AgriImplementation@ Rs5000/unit | - | - | 2 | 0.10 | 8 | 0.40 | 2 | 0.10 | - | - | 12 | 0.60 |
| ii. | Tailoring/knitting/H.Craft @ Rs 8000/ unit | - | - | 5 | 0.40 | 5 | 0.40 | 5 | 0.40 | - | - | 15 | 1.20 |
| iv. | Kitchen Garden@ Rs 2,500/ unit | - | - | 2 | 0.05 | 26 | 0.65 | 338 | 8.45 | - | - | 366 | 9.15 |
| v. | Vermi Composition@ Rs 12,500/unit | - | - |  |  | 8 | 1.0 | 22 | 2.75 | - | - | 30 | 3.75 |
| vi | Poultry/Duckery/Piggery @ Rs 8,000/ unit | - | - | 5 | 0.40 | 25 | 2.0 | 4 | 0.32 | - | - | 34 | 2.72 |
| ix | Apiculture @ Rs 8,000/unit | - | - | 20 | 1.60 | 40 | 3.20 | 41 | 3.28 | - | - | 101 | 8.08 |
|  | Total of D: | - | - | 34 | 2.55 | 112 | 7.65 | 412 | 15.30 | - | - | 558 | 25.50 |
| E. | Production System and Micro Enterprises (SHG's): |  |  | 1\% |  | 5\% |  | 7\% |  |  |  | 13\% |  |
| i. | Cattle Rearing @ Rs50,000/ unit | - | - | 2.00 | 1.0 | 0 | - | 2 | 1.0 | - | - | 4 | 2.0 |
| ii | Vermi Composition@ Rs 25,000/unit |  |  | 1 | 0.25 | 0 | - |  | - |  |  | 1 | 0.25 |
| iii | Grocery Shop/Electrical/Cobbler shop @ Rs 30,000/unit | - | - |  |  | 15 | 4.50 | 26 | 7.80 | - | - | 41 | 12.3 |
| iv | Fruit Processing/Preservation@ Rs50,000/unit | - | - | 2 | 1.0 | 3 | 1.50 | 7 | 3.50 | - | - | 12 | 6.0 |
| v | Mushroom Cultivation@ Rs 30,000/ unit | - | - | 0 | - | 2 | 0.60 |  |  | - | - | 2 | 0.6 |
| vi | Pisiculture (Fingerling distribution) @ Rs30,000/unit | - | - | 0 | - | 12.5 | 3.75 | 8.5 | 2.55 | - | - | 21 | 6.3 |
| vii | Hollow Block @ Rs. 30,000/Unit | - | - | 1 | 0.30 | 0 | - |  |  | - | - | 1 | 0.3 |
| viii | Sericulture @ Rs 30,000/unit | - | - |  |  | 1 | 0.30 |  |  | - | - | 1 | 0.3 |
| ix | Piggery@ Rs 30,000/unit | - | - |  |  | 7 | 2.10 | 10 | 3.0 | - | - | 17 | 5.1 |
|  | Total of E : | - | - | 6 | 2.55 | 40.5 | 12.75 | 53.5 | 17.85 | - | - | 100 | 33.15 |


| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| F. | Consolidation \& Exit Phase: |  |  |  |  |  |  |  |  |  |  | - |  |
| i. | Repairs, Maintenance of CPR's. | - | - | - | - | - | - | - | - | - |  | - |  |
| ii. | Improving the sustainability of various Interventions | - | - | - | - | - | - | - | - | - |  | - |  |
| iii. | Documentation of successful experiences \& Preparation of Completion Report | - | - | - | - | - | - | - | - | - |  | - |  |
| iv | Capacity building of W.C, SHGs, UGs, for maintenance \& operation of Assets during post project period |  |  |  |  |  |  |  |  |  |  | - |  |
|  | Total of F: | - | - | - | - | - | - | - | - | 5\% | 12.75 | 5\% | 12.75 |
|  | Total of II (A+B+C+D+E+F) | - | - | 9.5\% | 24.225 | 43\% | 109.65 | 20.5\% | 52.275 | 5\% | 12.75 | 78\% | 198.90 |
|  | Grand Total ( $\mathrm{I}+\mathrm{II}$ ) | 6\% | 15.30 | 14\% | 35.70 | 50\% | 127.50 | 25\% | 63.75 | 5\% | 12.75 | 100\% | 255.00 |

Project Leader
(Divisional Soil \& Water Conservation Officer) Nongstoin Division, Nongstoin

Approved by

Deputy Commissioner
West Khasi Hills District

## WATERSHED TREATMENT PLAN

## UNDER IWMP WEST KHASI HILLS PROJECT-VI

(Umtham and Umtajuh-Umkynshain Micro Watershed)

Name of District: West Khasi Hills Total Project Area: 8646 ha
Name of C\&RD Block: Ranikor
Total Treatment Area: 3500 ha

|  | Activities | $\mathbf{I}^{\text {st }}$ Year |  | $\mathrm{II}^{\text {nd }}$ Year |  | III ${ }^{\text {rd }}$ Year |  | $\mathrm{IV}^{\text {th }}$ Year |  | $\mathbf{V}^{\text {th }}$ Year |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sl. No |  | $\begin{gathered} \text { Phy } \\ \text { (No/ha) } \end{gathered}$ | Fin | $\begin{gathered} \text { Phy } \\ \text { (No/ha) } \end{gathered}$ | Fin | $\begin{gathered} \text { Phy } \\ \text { (No/ha) } \end{gathered}$ | Fin | $\begin{gathered} \text { Phy } \\ \text { (No/ha) } \end{gathered}$ | Fin | $\begin{gathered} \text { Phy } \\ \text { (No/ha) } \end{gathered}$ | Fin | $\begin{gathered} \text { Phy } \\ \text { (No/ha) } \end{gathered}$ | Fin |
| I | MANAGEMENT COST: |  |  |  |  |  |  |  |  |  |  |  |  |
| A. | Administrative cost: | - | - |  |  |  |  |  |  |  |  |  |  |
| i. | Honourarium of WDT Members @ Rs. 5000/ month -3 nos (each wshd). | - | - |  | 3.60 |  | 5.40 |  | 3.60 | - | - |  | 12.60 |
| ii. | Hon ${ }^{\mathrm{rm}}$ of Watershed Volunteers @ Rs2500/month - 3 nos. (each wshd). | - | - |  | 1.80 |  | 3.60 |  | 1.80 | - | - |  | 7.20 |
| iii. | Hon ${ }^{\text {rm }}$ WCO's @ Rs. 750/ month. | - | - |  | 0.18 |  | 0.36 |  | 0.18 | - | - |  | 0.72 |
| iv. | Hon ${ }^{\text {rm }}$ WCM @ Rs. 300/members/ month for 25 nos. (each wshd). | - | - |  | 1.80 |  | 3.60 |  | 1.80 | - | - |  | 7.20 |
| v | Sub-Committee @ Rs 100/member/month for 50(each wshd). | - | - |  | 1.20 |  | 2.40 |  | 1.20 | - | - |  | 4.80 |
| vi | Hon ${ }^{\text {rm }}$ Office assistance @ Rs. 3000/- month. | - | - |  | 0.72 |  | 1.44 |  | 0.72 | - | - |  | 2.88 |
| vii | Hon ${ }^{\text {rm }}$ Chartered Accountant/Social Audit | - | - |  | 0.22 |  | 1.70 |  | 0.85 | - | - |  | 2.77 |
| viii | TA/DA of Field Asstt. @ 5000/ month | - | - |  | 0.40 |  | 3.00 |  | 1.20 | - | - |  | 4.60 |
| ix. | Hiring charges of office building @ 1000 | - | - |  | 0.24 |  | 0.48 |  | 0.24 | - | - |  | 0.96 |
| x | Hiring charges of vehicle @ 5000/ month | - | - |  | 0.15 | - | 2.00 | - | 1.50 | - | - |  | 3.65 |
| xi | Office expenses, POL, Stationeries, printing of SHG's books, pamphlets, tea, snacks etc, cost of camera. | - | - | - | 0.19 | - | 2.27 | - | 2.66 | - | - | - | 5.12 |
|  | Total Of A | - | - | 2\% | 10.50 | 5\% | 26.25 | 3\% | 15.750 | - | - | 10\% | 52.5 |


|  | PREPARATORY PHASE : |  |  |  |  |  |  |  |  |  |  | - |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| B. | Entry Point Activities: |  |  |  |  |  |  |  |  |  |  | - |  |
| i. | Check Dam | 2nos | 1.3801 | - | - | - | - | - | - | - | - | 2nos | 1.3801 |
| ii. | Public Toilet | 4 nos | 6.7828 | - | - | - | - | - | - | - | - | 4 nos | 6.7828 |
| iii | Drinking Well | 7 nos | 3.6466 | - | - | - | - | - | - | - | - | 7 nos | 3.6466 |
| iv | W/Harvesting cum washing place | 2 nos | 1.0276 | - | - | - | - | - | - | - | - | 2 nos | 1.0276 |
| v | Footbridge | 1 no | 1.7043 | - | - | - | - | - | - | - | - | 1 no | 1.7043 |
| vi | Footpath | 1 no | 1.125 |  |  |  |  |  |  |  |  | 1 no | 1.125 |
| vii | Tank and Washing | 2 nos | 2.6172 |  |  |  |  |  |  |  |  | 2 nos | 2.6172 |
| viii | C/Dam cum Washing | 2 nos | 1.6993 |  |  |  |  |  |  |  |  | 2 nos | 1.6993 |
| ix | C/Dam cum Footpath | 1 no | 1.0171 |  |  |  |  |  |  |  |  | 1 no | 1.0171 |
|  | Total of B: | 4\% | 21.00 | - | - | - | - | - | - | - | - | 4\% | 21.00 |
| C | Training: |  |  |  |  |  |  |  |  |  |  | - |  |
| i. | Awareness Campaign \& Capacity building |  | 0.40 |  | 2.00 |  | 0.90 | - | 0.90 | - | - | - | 4.20 |
| ii. | Exposure visits - off. Campus |  | 0.40 |  | 2.00 |  | 0.90 | - | 0.90 | - | - | - | 4.20 |
| iii. | Capacity building of SHG's/ UG's. |  | 2.05 |  | 3.70 |  | 1.75 | - | 1.75 | - | - | - | 9.25 |
| iv. | Capacity building of WC Members. |  | 1.20 |  | 1.40 |  | 0.85 | - | 0.85 | - | - | - | 4.30 |
| v . | Capacity of WDT/WV |  | 1.20 |  | 1.40 |  | 0.85 | - | 0.85 | - | - | - | 4.30 |
|  | Total of C: | 1\% | 5.25 | 2\% | 10.50 | 1\% | 5.25 | 1\% | 5.25 | - | - | 5\% | 26.25 |


| D. | Detailed Project Report: |  |  |  |  |  |  |  |  |  |  | - | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| i. | Cost of Resources Inventories works |  |  |  |  |  |  |  |  |  |  | - |  |
| ii. | Cost of PRA Exercises |  |  |  |  |  |  |  |  |  |  | - |  |
| iii. | Cost of Land use Survey works |  |  |  |  |  |  |  |  |  |  | - |  |
| iv. | Cost of formulating |  |  |  |  |  |  |  |  |  |  | - |  |
|  | Total of D: | 1 | 5.25 |  |  |  |  |  |  |  |  | 1 | 5.25 |
| E. | Monitoring \& Evaluation: |  |  |  |  |  |  |  |  |  |  | - |  |
| i. | Monitoring |  |  | 0.2\% | 1.05 | 0.5\% | 2.625 | 0.3\% | 1.575 |  |  | 1 | 5.25 |
| ii. | Evaluation |  |  | 0.3 \% | 1.575 | 0.5\% | 2.625 | 0.2\% | 1.05 |  |  | 1 | 5.25 |
|  | Total of E: |  |  | 0.5 | 2.625 | 1\% | 5.2500 | 0.5\% | 2.625 | - | - | 2\% | 10.50 |
|  | Total of I (A to E) | 6\% | 31.50 | 4.5\% | 23.625 | 7\% | 36.75 | 4.5\% | 23.625 | - | - | 22\% | 115.50 |


| II | PROJECT COST/WATERSHED WORKS PHASE : |  |  | 7.5\% |  | 35\% |  | 7.5\% |  |  |  | 50\% |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A. | Arable Land Treatment: |  |  |  |  |  |  |  |  |  |  | - |  |
| i. | Contour Bunds @ Rs. 7,500/ ha | - | - | - | - | 93.33 | 7.00 | - | - | - | - | 93.33 | 7.00 |
| 11 | Agro-Horticulture Devt. Rs. 8,600/ ha | - | - | - | - | 166.36 | 57.466 | 807.6400 | 26.298 | - | - | 974.00 | 83.764 |
| iii | Peripheral Bunding@ Rs50/ r.m | - | - | 550.2/1.35 | 0.2751 | $\begin{aligned} & 18594.2 / \\ & 46.1725 \end{aligned}$ | 9.2971 | $\begin{aligned} & 618.2 / \\ & 1.8905 \end{aligned}$ | 0.3091 | - | - | $\begin{gathered} \hline 19762.6 / \\ 49.413 \end{gathered}$ | 9.8813 |
| iv | Crop Demonstration@ Rs 5,000 /ha | - | - | 17/4.25 | 0.85 | 86/21.50 | 4.3000 | 24/6.00 | 1.20 | - | - | 127/31.75 | 6.35 |
| v | Improvement of existing paddy field @ Rs 4,300/ha | - | - | 2.00 | 0.086 | - | - | - | - |  |  | 2.00 | 0.086 |
|  | Total of A : | - | - | 7.60 | 1.2111 | 327.3625 | 78.0632 | 815.5305 | 27.8071 | - | - | 1,150.493 | 107.0814 |


| B. | Non- Arable Land Treatment: |  |  |  |  |  |  |  |  |  |  | - |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| i | Afforestation @ Rs 10,100/ha | - | - | 50.00 | 6.12 | 35.00 | 2.4650 |  |  | - | - | 85.00 | 8.585 |
| ii. | Agro-Forestry Devt. works @ Rs. 10,100/ ha | - | - | - | - | 60.00 | 15.8400 | 160.00 | 6.38 | - | - | 220.00 | 22.22 |
| iii | Improvement of existing Degraded Forest @ Rs. 3600/ ha | - | - | 569.8225 | 26.0000 | 430.1775 | 10.00 |  |  | - | - | 1,000.00 | 36.00 |
| iv. | Strip Plantation @ Rs.4,266/ ha | - | - | 40.000 | 1.9071 | 22.00 | 0.7378 |  |  | - | - | 62.00 | 2.6449 |
|  | Total of B: | - | - | $\mathbf{6 5 9 . 8 2 2 5}$ | 34.0271 | 547.1775 | 29.0428 | 160.00 | 6.38 | - | - | 1,367.00 | 69.4499 |
| C | Drainage Line Treatment: |  |  |  |  |  |  |  |  |  |  | - |  |
| i. | Drip irrigation | - | - |  |  | 2/2.00 | 1.48 |  |  |  |  | 2/2.00 | 1.48 |
| ii | Dug-Out Pond/Farm Pond | - | - | 2/20.52 | 1.4773 | 4/24.90 | 1.9599 |  |  |  |  | 6/45.42 | 3.4372 |
| iii | Water Harvesting structures | - | - |  |  | 19/344.95 | 25.6283 |  |  |  |  | $\begin{gathered} 19 / \\ 344.95 \\ \hline \end{gathered}$ | 25.6283 |
| iv | Check Dam cum Washing Place | - | - | 2/12.0575 | 0.9995 | 8/125.18 | 9.4152 | 7/74.4695 | 5.1879 |  |  | $\begin{gathered} \hline 17 / \\ 211.707 \end{gathered}$ | 15.6026 |
| V | Drinking Well | - | - |  |  | 1/5.00 | 0.50 |  |  |  |  | 1/5.00 | 0.50 |
| vi | Protection Wall |  |  |  |  | 5/32.80 | 2.1899 |  |  |  |  | 5/32.8000 | 2.1899 |
| vii | Footpath |  |  | 1/0 | 1.66 | 11/0 | 12.776 |  |  |  |  | 12/0 | 14.436 |
| viii | Water Tank |  |  |  |  | 12/277.43 | 18.4873 |  |  |  |  | 12/277.43 | 18.4873 |
| ix | Soak Tank |  |  |  |  | 3/63.20 | 4.2075 |  |  |  |  | 3/63.20 | 4.2075 |
|  | Total of C : | - | - | 32.5775 | 4.1368 | 875.46 | 76.644 | 74.4695 | 5.1879 | - | - | $\begin{gathered} \hline 77 / \\ 982.507 \\ \hline \end{gathered}$ | 85.9687 |
|  | Total of A + B + C | - | - | 700.00 | 39.375 | 1,750.0 | 183.75 | 1,050.0 | 39.375 | - | - | 3,500.00 | 262.50 |


| D | Livelihood Activities for landless persons: |  |  | 1\% |  | 3\% |  | 6\% |  |  |  | 10\% |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| i | Carpentry/Black smithy/Basketry/AgriImplementation@ Rs5000/unit | - | - | 12 | 0.60 | 8 | 0.40 | 19 | 0.95 | - | - | 39 | 1.95 |
| ii. | Tailoring/knitting/H.Craft @ Rs 8000/unit | - | - | 6 | 0.48 | 27 | 2.16 | 15 | 1.20 | - | - | 48 | 3.84 |
| iii | Kitchen Garden@ Rs 2,500/ unit | - | - | 44 | 1.10 | 30 | 0.75 | 386 | 9.65 | - | - | 456 | 11.40 |
| iv | Vermi Composition@ Rs 12,500/unit | - | - |  |  | 40 | 5.00 | 58 | 7.25 | - | - | 98 | 12.25 |
| v | Poultry/Duckery/Piggery @ Rs 10,000/ unit | - | - | 14 | 1.12 | 53 | 4.24 | 104 | 8.32 | - | - | 171 | 13.68 |
| vi | Furniture Tool @ Rs5000/unit |  |  |  |  |  |  | 1 | 0.05 |  |  | 1 | 0.05 |
| vii | Soap Making @ Rs15000/unit |  |  | 1 | 0.15 |  |  |  |  |  |  |  | 0.25 |
| viii | Hollow Block @ Rs. 5000/Unit |  |  | 4 | 0.20 |  |  |  |  |  |  |  | 0.20 |
| ix | Cobbler/H.Craft @ Rs10,000/unit |  |  |  |  |  |  | 8 | 0.80 |  |  |  | 0.80 |
| X | Apiculture @ Rs 5,000/unit | - | - | 20 | 1.60 | 40 | 3.20 | 41 | 3.28 | - | - | 101 | 8.08 |
|  | Total of D: | - | - | 101 | 5.25 | 198 | 15.75 | 632 | 31.50 | - | - | 931 | 52.50 |


| E. | Production System and Micro Enterprises (SHG's): |  |  | 1\% |  | 5\% |  | 7\% |  |  |  | 13 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| i. | Cattle Rearing @ Rs 50,000/ unit | - | - | 3 | 1.50 | 5 | 2.50 | 5 | 2.50 | - | - | 13 | 6.50 |
| ii | Vermi Composition@ Rs 25,000/unit |  |  | 1 | 0.25 | 0 | - |  | - |  |  | 1 | 0.25 |
| iii | Grocery /Electrical/Garment/Furniture/Food Stall @ Rs 30,000/unit | - | - | 2 | 0.60 | 15 | 4.50 | 38 | 11.40 | - | - | 55 | 16.50 |
| iv | Fruit Processing/Preservation@ Rs50,000/unit | - | - | 2 | 1.00 | 3 | 1.50 | 7 | 3.50 | - | - | 12 | 6.00 |
| v | Mushroom Cultivation@ Rs 30,000/ unit | - | - | 1 | 0.30 | 2 | 0.60 | 1 | 0.30 | - | - | 4 | 1.20 |
| vi | Pisiculture (Fingerling distribution) @ Rs 30,000/unit | - | - | 0 | - | 18.5 | 5.55 | 8.5 | 2.55 | - | - | 27 | 8.10 |
| viii | Hollow Block @ Rs. 30,000/Unit | - | - | 1 | 0.30 | 0 | - |  |  | - | - | 1 | 0.30 |
| ix | Sericulture @ Rs 30,000/unit | - | - |  |  | 1 | 0.30 |  |  | - | - | 1 | 0.30 |
| x | Piggery@ Rs 30,000/unit | - | - | 1 | 0.30 | 11 | 3.30 | 44 | 13.20 | - | - | 56 | 16.80 |
| xi | Steel Fabrication@ Rs 30,000/unit |  |  |  |  | 2 | 0.60 |  |  |  |  | 2 | 0.60 |
| xii | Barber Shop @ Rs 30,000/unit |  |  | 1 | 0.30 | 2 | 0.60 |  |  |  |  | 3 | 0.90 |
| xiii | Rice Mill Operation @ Rs 40,000/unit |  |  |  |  | 2 | 0.80 | 3 | 1.20 |  |  | 5 | 2.00 |
| xiv | Coffee Processing @ Rs 30,000/unit |  |  |  |  |  |  | 1 | 0.30 |  |  | 1 | 0.30 |
| xv | Goat Rearing @ Rs 30,000/unit |  |  | 1 | 0.30 | 12 | 3.60 | 6 | 1.80 |  |  | 19 | 5.70 |
| xvi | Water Pump @ Rs 40,000/ Unit |  |  | 1 | 0.40 |  |  |  |  |  |  | 1.00 | 0.40 |
| xvii | Fruit Processing/Preservation @ Rs 40,000/unit |  |  |  |  | 6 | 2.40 |  |  |  |  | 6.00 | 2.40 |
|  | Total of E : | - | - | 14 | 5.25 | 79.50 | 26.25 | 113.50 | 36.75 | - | - | 207 | 68.25 |


| F. | Consolidation \& Exit Phase: |  |  |  |  |  |  |  |  |  |  | - |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| i. | Repairs, Maintenance of CPR's. | - | - | - | - | - | - | - | - | - |  | - |  |
| ii. | Improving the sustainability of various Interventions | - | - | - | - | - | - | - | - | - |  | - |  |
| iii. | Documentation of successful experiences \& Preparation of Completion Report | - | - | - | - | - | - | - | - | - |  | - |  |
| iv | Capacity building of W.C, SHGs, UGs, for maintenance \& operation of Assets during post project period |  |  |  |  |  |  |  |  |  |  | - |  |
|  | Total of F: | - | - | - | - | - | - | - | - | 5\% | 26.25 | 5\% | 26.25 |
|  | Total of II ( $\mathrm{A}+\mathrm{B}+\mathrm{C}+\mathrm{D}+\mathrm{E}+\mathrm{F}$ ) | - | - | 9.5\% | 49.875 | 43\% | 225.75 | 20.5\% | 107.625 | 5\% | 26.25 | 78\% | 409.50 |
|  | Grand Total (I + II) | 6\% | 31.50 | 14\% | 73.50 | 50\% | 262.50 | 25\% | 131.25 | 5\% | 26.25 | 100\% | 525.00 |

Approved by

## Project Leader

Divisional Soil \& Water Conservation Officer
Nongstoiñ Division, Nongstoiñ

Deputy Commissioner
West Khasi Hills District

VILLAGE WISE ACTION PLAN OF UMTHAM WATERSHED UNDER IWMP - VI, NONGSTOIN DIVISION, WEST KHASI HILLS DISTRICT

Name of District: West Khasi Hills
Name of C\&RD Block:Ranikor.

Total geographical area: 4189 Ha Area for treatment: 1700 Ha

No. of villages - 10 nos.
Area ( $\mathrm{Ha} / \mathrm{nos} / \mathrm{rm} / \mathrm{units}$ ): Financial (Rs in Lakh)

| $\begin{aligned} & \text { Sl. } \\ & \text { No } \end{aligned}$ | Activities | RngiMawpat |  | Rangkhiat |  | Phlangdiloin |  | Pyndensynia |  | Phlangmawprah |  | Nongmluh |  | Mawmynsor |  | Mawthungmlang |  | Mawphansaw |  | Thnangbyriang |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { Phy } \\ (\mathrm{no} / \mathrm{ha}) \end{gathered}$ | Fin | $\begin{gathered} \text { Phy } \\ \text { (no/ha) } \end{gathered}$ | Fin | $\begin{gathered} \text { Phy } \\ \text { (no/ha) } \end{gathered}$ | Fin | $\begin{gathered} \text { Phy } \\ (\text { nolha) } \end{gathered}$ | Fin | $\begin{gathered} \text { Phy } \\ \text { (no/ha) } \end{gathered}$ | Fin | Phy no/ha) | Fin | $\begin{gathered} \text { Phy } \\ \text { (no/ha) } \end{gathered}$ | Fin | $\begin{gathered} \text { Phy } \\ \text { (no/ha) } \end{gathered}$ | Fin | $\begin{gathered} \text { Phy } \\ \text { (no/ha) } \end{gathered}$ | Fin | $\begin{gathered} \text { Phy } \\ \text { (no/ha) } \end{gathered}$ | Fin | $\begin{gathered} \text { Phy } \\ \text { (no/ha) } \end{gathered}$ | Fin |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| I | WATERSHED WORKS PHASE : 50\% |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| A. | Arable Land Treatment: |  |  |  |  |  |  |  |  |  |  |  |  | - |  |  |  |  |  |  |  |  |  |
| i. | Agro-Horticulture @ Rs 8,600/ Ha for 400.0 ha | 10.0 | 0.86 | 30.0 | 2.58 | 120.0 | 10.32 | 61 | 5.246 | 80.0 | 6.88 | 30.0 | 2.58 | 2.5 | 0.215 | 50.0 | 4.3 | 12.5 | 1.075 | 4.0 | 0.344 | 400.0 | 34.4 |
| iii. | Contour Bunding@ Rs 7,500/ Ha for 93.33 ha | 6.0 | 0.45 | 10.0 | 0.75 | 23.0 | 1.725 | 11.0 | $\begin{gathered} 0.8252 \\ 5 \end{gathered}$ | 10.33 | $\begin{gathered} 0.7747 \\ 5 \end{gathered}$ | 10.0 | 0.75 | 6.0 | 0.45 | 8.0 | 0.6 | 5.0 | 0.375 | 4.0 | 0.3 | 93.33 | 7.0 |
| iv | Peripheral Bounding@ <br> Rs $50 / \mathrm{rm}$ for 19085.2 rm | $\begin{gathered} 2285 . \\ 2 \\ 15.713 \end{gathered}$ | 1.1426 | $\begin{gathered} 4000 / \\ 10 \end{gathered}$ | 2.0 | $\begin{gathered} 1200 \\ 13.0 \end{gathered}$ | 0.60 | $\begin{gathered} 2000 \\ 15.0 \end{gathered}$ | 1.0 | 2000/5 | 1.0 | $\begin{gathered} 1200 / \\ 3 \end{gathered}$ | 0.6 | $\begin{gathered} 1440 / \\ 3.6 \end{gathered}$ | 0.72 | $\begin{gathered} 2080 / \\ 5.2 \end{gathered}$ | 1.04 | $\begin{gathered} 2080 / \\ 5.2 \end{gathered}$ | 1.04 | 800/2 | 0.4 | $\begin{aligned} & 19085.2 \\ & / 47.713 \end{aligned}$ | 9.5426 |
| v | Crop Demonstration \& Innovative activities@Rs 5,000/Unit for 87 units | 7/1.75 | 0.35 | 12/3.0 | 0.6 | 12/3.0 | 0.6 | 8/2.0 | 0.4 | 8/2.0 | 0.4 | 8/2.0 | 0.4 | 8/2.0 | 0.4 | 8/2.0 | 0.4 | 8/2.0 | 0.4 | 8/2.0 | 0.4 | 87/21.75 | 4.35 |
| vi | Improvement of existing paddy field@ Rs4,300 / Ha for 2 ha |  |  |  |  |  |  | 2 | 0.086 |  |  |  |  |  |  |  |  |  |  |  |  | 2/2.0 | 0.086 |
|  | Total of A | 23.463 | 2.8026 | 53 | 5.93 | 149 | 13.425 | 81 | 7.55725 | 97.33 | 9.05475 | 45 | 4.33 | 14.1 | 1.785 | 65.2 | 6.34 | 24.7 | 2.89 | 12 | 1.444 | 564.793 | 55.3847 |
| B. | Non- Arable Land Treatment: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| i. | Afforestation@ Rs10,100 /Ha for 45 ha |  |  | 5.0 | 0.505 | 25.0 | 2.525 | 5.0 | 0.505 | 5.0 | 0.505 |  |  |  |  |  |  | 5.0 | 0.505 |  |  | 45.0 | 4.545 |
| ii | Strip plantation@ Rs 4,266/ha for 32 ha | 5.0 | 0.2133 | 5.0 | $\begin{gathered} 0.213 \\ 3 \end{gathered}$ | 5.0 | 0.2133 | 5.0 | 0.2133 | 2.0 | $\begin{gathered} 0.0853 \\ 2 \\ \hline \end{gathered}$ | 2.0 | 0.08532 | 2.0 | 0.08532 | 2.0 | 0.0853 | 2.0 | 0.08532 | 2.0 | $\begin{gathered} 0.085 \\ 32 \\ \hline \end{gathered}$ | 32.0 | 1.3651 |
| iii. | Improvement of existing Forest@ Rs3,600 / Ha for 500 ha | 55.0 | 1.98 | 4.0 | 0.144 | 6.0 | 0.216 | 5.0 | 0.18 | 90.0 | 3.24 | 65.0 | 2.34 | 75.0 | 2.7 | 80.0 | 2.88 | 60.0 | 2.16 | 60.0 | 2.16 | 500.0 | 18 |
| iv | Agro-Forestry@ Rs 10,100 / Ha for 100 ha | 6.0 | 0.606 | 10.0 | 1.01 | 26.0 | 2.626 | 15.0 | 1.515 | 10.0 | 1.01 | 10.0 | 1.01 | 5.0 | 0.505 | 8.0 | 0.808 | 6.0 | 0.606 | 4.0 | 0.404 | 100.0 | 10.1 |
|  | Total of B | 66.0 | 2.7993 | 24.0 | 1.8723 | 62.0 | 5.5803 | 30.0 | 2.4133 | 107.0 | 4.84032 | 77.0 | 3.43532 | 82.0 | 3.29032 | 90.0 | 3.7733 | 73.0 | 3.35632 | 66.0 | $\stackrel{2.649}{32}$ | 677.0 | 34.0101 |


| C | Drainage Line Treatment: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| i | Drip irrigation | 1 | 0.74 | 1 | 0.74 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2/2.0 | 1.48 |
| ii | Dug out Pond/Farm Pond | 2 | $\begin{gathered} 2.094 \\ 3 \end{gathered}$ |  |  | 2 | $\begin{gathered} 0.499 \\ 8 \end{gathered}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4/32.0 | 2.5941 |
| iii | Water harvesting/Farm Pond | 1 | 1.273 |  |  | 7 | $\begin{gathered} 7.735 \\ 4 \end{gathered}$ | 2 | $\begin{gathered} 1.758 \\ 2 \end{gathered}$ | 1 | 1.5327 | 3 | 2.2754 | 1 | 1.4738 | 2 | $\begin{gathered} 2.563 \\ 8 \end{gathered}$ | 1 | 0.955 |  |  | 18/236.0 | 19.5673 |
| iv | C Dam cum washing place |  |  | 2 | $\begin{gathered} 2.119 \\ 3 \end{gathered}$ | 6 | $\begin{gathered} 4.872 \\ 8 \end{gathered}$ | 1 | $\begin{gathered} 0.732 \\ 8 \end{gathered}$ | 2 | 2.731 | 1 | 0.3503 | 1 | 1.4738 | 2 | $\begin{gathered} 1.689 \\ 9 \\ \hline \end{gathered}$ |  |  |  |  | $\begin{gathered} \hline 15 / \\ 183.207 \\ \hline \end{gathered}$ | 13.9699 |
| vi | D/Well |  |  |  |  |  |  |  |  | 1 | 0.5 |  |  |  |  |  |  |  |  |  |  | 1/5.0 | 0.5 |
|  | Total of C | 4 | $\begin{gathered} 4.107 \\ 3 \\ \hline \end{gathered}$ | 3 | $\begin{gathered} 2.859 \\ \hline \end{gathered}$ | 15 | $\begin{gathered} 13.10 \\ 8 \\ \hline \end{gathered}$ | 3 | 2.491 | 4 | 4.7637 | 4 | 2.6257 | 2 | 2.9476 | 4 | $\begin{gathered} 4.253 \\ 7 \\ \hline \end{gathered}$ | 1 | 0.955 | 0 | 0 | $\begin{gathered} 40 / \\ 458.207 \\ \hline \end{gathered}$ | 38.1113 |
|  | Total of I: $(\mathrm{A}+\mathrm{B}+\mathrm{C})$ | 93.463 | 9.7092 | 80 | $\begin{gathered} 10.661 \\ \hline \end{gathered}$ | 226 | 31.9333 | 114 | $\begin{gathered} 12.4615 \\ \hline \end{gathered}$ | 208.33 | $\begin{gathered} 18.6587 \\ \hline \\ \hline \end{gathered}$ | 126 | 10.39102 | 98.1 | 8.02292 | 159.2 | 14.367 | 98.7 | 7.20132 | 78 | $\begin{gathered} 4.093 \\ \hline 32 \\ \hline \end{gathered}$ | 1700.0 | 127.50 |


| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| II. | (D) Livelihood Activities for landless persons: 10\% |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Carpentry/ Black smithy/Basketry/Agri- <br> Implementation <br> @Rs.5000/unit | 1 | 0.05 | 1 | 0.05 | 4 | 0.2 | 2 | 0.1 | 1 | 0.05 | 2 | 0.1 | - | - | - |  | - | - | 1 | 0.05 | 12 | 0.6 |
|  | Tailoring/ <br> Knitting/H.Craft @Rs. <br> 8000/Unit | - | - | 4 | 0.32 | 6 | 0.48 | 1 | 0.08 | 1 | 0.08 | - | - | 1 | 0.08 | - | - | 2 | 0.16 | - | - | 15 | 1.2 |
|  | Kitchen Garden @Rs. 2,500/unit | 16 | 0.4 | 34 | 0.85 | 122 | 3.05 | 53 | 1.325 | 36 | 0.9 | 34 | 0.85 | 13 | 0.325 | 30 | 0.75 | 15 | 0.375 | 13 | 0.325 | 366 | 9.15 |
|  | Vermi composing @Rs. 12,500/Unit | 2 | 0.25 | 3 | 0.375 | 7 | 0.875 | 4 | 0.5 | 4 | 0.5 | 2 | 0.25 | 2 | 0.25 | 2 | 0.25 | 2 | 0.25 | 2 | 0.25 | 30 | 3.75 |
|  | Poultry/Piggery/ducker y @Rs. 8,000/unit | 4 | 0.32 | 7 | 0.56 | 7 | 0.56 | 2 | 0.16 | 4 | 0.32 | 3 | 0.24 | 1 | 0.08 | 3 | 0.24 | 2 | 0.16 | 1 | 0.08 | 34 | 2.72 |
|  | Apiculture @ Rs 8,000/ unit | 8 | 0.64 | 9 | 0.72 | 27 | 2.16 | 16 | 1.28 | 9 | 0.72 | 7 | 0.56 | 5 | 0.4 | 9 | 0.72 | 7 | 0.56 | 4 | 0.32 | 101 | 8.08 |
|  | Total of II (D) | 31 | 1.66 | 58 | 2.875 | 173 | 7.325 | 78 | 3.445 | 55 | 2.57 | 48 | 2 | 22 | 1.135 | 44 | 1.96 | 28 | 1.505 | 21 | 1.025 | 558 | 25.5 |


| III | (E) Production System and Micro Enterprises (SHG's): 13\% |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cattle rearing @Rs. 50,000/unit |  |  |  |  | 2 | 1.0 |  |  | 1 | 0.5 |  |  |  |  | 1 | 0.5 |  |  |  |  | 4 | 2.0 |
|  | Vermi composing @Rs. 25,000/Unit |  |  |  |  | 1 | 0.25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.25 |
|  | Grocery/Electrical/cob bler shop @Rs. 30,000/Unit | 1 | 0.3 | 4 | 1.2 | 11 | 3.3 | 5 | 1.5 | 6 | 1.8 | - | - | 1 | 0.3 | 9 | 2.7 | 2 | 0.6 | 2 | 0.6 | 41 | 12.3 |
|  | Fruit processing/Preservation @Rs.50,000/Unit | 2 | 1.0 | 2 | 1.0 | 1 | 0.5 | 1 | 0.5 | 1 | 0.5 | 1 | 0.5 | 1 | 0.5 | 1 | 0.5 | 1 | 0.5 | 1 | 0.5 | 12 | 6.0 |
|  | Mushroom cultivation @Rs.30,000/Unit | - | - | 1 | 0.3 | - | - | - | - | 1 | 0.3 | - | - | - | - | - | - | - | - | - | - | 2 | 0.6 |
|  | Pisiculture (finjerling distribution) @ Rs.30,000/unit | 4 | 1.2 |  |  | 7 | 2.1 | 2 | 0.6 | 1 | 0.3 | 4 | 1.2 |  |  | 2 | 0.6 | 1 | 0.3 |  |  | 21 | 6.3 |
|  | Hollow Block @ Rs. 30,000/Unit- |  |  | 1 | 0.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 0.3 |
|  | Sericulture Rs.30,000/unit- | - | - | - | - | 1 | 0.3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 0.3 |
|  | Piggery <br> @Rs.30,000/Unit- | 1 | 0.3 | 2 | 0.6 | 3 | 0.9 | 3 | 0.9 | 2 | 0.6 | 1 | 0.3 | 1 | 0.3 | 2 | 0.6 | 1 | 0.3 | 1 | 0.3 | 17 | 5.1 |
|  | TOTAL OF III (E): | 8 | 2.80 | 10 | 3.4 | 26 | 8.35 | 11 | 3.5 | 12 | 4.0 | 6 | 2.0 | 3 | 1.1 | 15 | 4.9 | 5 | 1.7 | 4 | 1.4 | 100 | 33.15 |
|  | TOTAL OF II AND III $(\mathrm{D}+\mathbf{E})$ | 39 | 4.46 | 68 | 6.275 | 199 | $\begin{gathered} 15.67 \\ 5 \end{gathered}$ | 89 | 6.945 | 67 | 6.57 | 54 | 4 | 25 | 2.235 | 59 | 6.86 | 33 | 3.205 | 25 | 2.425 | 658 | 58.65 |
|  | $\begin{gathered} \text { GRAND TOTAL } \\ \text { I+II+III }(\mathbf{A}+\mathbf{B}+\mathrm{C}+\mathrm{D}+\mathrm{E}) \end{gathered}$ | $\begin{gathered} 39 / \\ 119.583 \end{gathered}$ | $\begin{gathered} 14.1 \\ 692 \end{gathered}$ | $\begin{gathered} 68 / \\ 102.43 \end{gathered}$ | $\begin{gathered} 16.93 \\ 66 \end{gathered}$ | $\begin{gathered} 199 / \\ 392.05 \end{gathered}$ | $\begin{gathered} 47.60 \\ 83 \end{gathered}$ | $\begin{gathered} 89 \\ / 149.4 \\ 3 \end{gathered}$ | $\begin{gathered} 19.406 \\ 55 \end{gathered}$ | $\begin{gathered} 67 / \\ 245.88 \end{gathered}$ | $\begin{gathered} 25.228 \\ 77 \end{gathered}$ | $\begin{gathered} 54 / \\ 173.54 \end{gathered}$ | $\begin{gathered} 14.3910 \\ 2 \end{gathered}$ | $\begin{gathered} 25 / \\ 121.44 \end{gathered}$ | $\begin{gathered} 10.2579 \\ 2 \end{gathered}$ | $\begin{gathered} 59 / \\ 205.9 \end{gathered}$ | 21.227 | $\begin{gathered} 33 / \\ 111.8 \end{gathered}$ | $\begin{gathered} 10.4063 \\ 2 \end{gathered}$ | 25/78 | $\underset{2}{6.5183}$ | 658/1700 | 186.15 |

WDT Members Community Organizer

WDT Members
(Forestry)

WDT Members (Civil Engineering)

WDT Members
(Agriculture)

Project Leader
Umtham Watershed Committee IWMP-VI

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

| 1 | 2 | 3 | 4 | 5 |  |  | 7 | 8 | 9 | 10 |  |  |  | 11 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| S | Name of State | Name of Districts | Names of Projects | $\begin{gathered} \text { Year } \\ \text { of } \\ \text { sanctio } \\ \mathrm{n} \end{gathered}$ | 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 |  |  |  |  |  |  |  |  |
|  |  |  |  |  | From | To |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | Cultivate <br> d rainfed area | Cultivate <br> d <br> irrigated area | Uncultivat | wasteland | Pvt. Agri. Land | Forest land | Comm unity land(Rai <br> d) | Others (pl. specify) | Total area <br> (ha) |
|  |  |  |  |  |  |  |  |  |  |  |  | a) <br> Temporary fallow | b) Per manent |  |  |  |  |  |
| 1 | Meghalaya | West Khasi Hills | West <br> Khasi <br> Hills - <br> IWMP <br> VI | $\begin{gathered} 2010- \\ 11 \end{gathered}$ | 2010 | 2015 | 1700ha | 255.0 | Whole of 3C1B1a1a, 3C1B1a1b, 3C1B1b4g Part of 3C1B14a,3C1B1b 5e, 3C1B1a1d, 3C1B1a1e | 868.0 | - | 1615.0 | 1086.0 | 868 | 620.0 | 2701.0 | - | 4189.0 |

Fund provision for the IWMP projects from all sources:

| 1 | 2 |  |  |  |  |  |  |  |  |  |  |  |  | 5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| District | Name of Projects | IWMP Fund |  | Funds from other sources in addition to IWMP funds |  |  |  |  |  |  |  |  |  | Total |
|  |  |  |  | Convergence funds |  | PPP |  | Community |  | Institutional finance |  | Others (Pl. specify) |  |  |
|  |  | Central Share | State <br> Share | Name of Scheme | Amount (Lakhs) | Name of private sector | Financial contribution | Name | Financial contribution | Name | Financial contribution | Name | Financial contribution |  |
| West Khasi Hills | West Khasi Hills IWMP VI | 229.50 | 25.50 | MGNREGS | 7.994 | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | 255.0 |

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

| 1 | 2 | 3 | 4 | 5 |  |  |  | 6 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Distt. Agency's Project Account details |  |  |  | Watershed Committee (WC) account details: |  |  |  |  |
| $\begin{gathered} \text { Sl. } \\ \text { No. } \end{gathered}$ | Names of States | Name of Districts | Names of Projects | Name of the Bank and Branch where project account has been opened | Account Number (to be obtained confidentially) | Account type (Savings/ Current/ Others) |  <br> Designation of authorized persons who operate the account. | Name of Watershed Committee | Name of the Bank and Branch where project account has been opened | Account number (to be obtained confidentially | Account type (Savings/ current others) | Name \& Designation of authorized persons who operate the account. |
| 1 | Megha laya | West Khasi Hills | $\begin{aligned} & \text { West Khasi } \\ & \text { Hills - } \\ & \text { IWMP VI } \end{aligned}$ | SBI Nongstoin |  | Saving | Shri.D.K.Khonglah DS \& WCO | Umtham, Watershed Committee | Rural Bank | Yet to Obtain | Saving | Chairman W.C, <br> Secretary W.C, <br> Project Leader / <br> 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 | Fund made available | Name of activity/task/structure undertaken with converged funds | Reference no. of activity/ task/ structure in DPR | Level at which decision for convergence was taken ${ }^{\text {§ }}$ |
|  |  |  | Schemes converging with IWMP | convergence (Rs. in lakh) | (a) Structures <br> (b) livelihoods <br> (c ) Any other (pl. specify) ${ }^{\text {\# }}$ |  |  |
| 1 | West Khasi Hills | West Khasi Hills - IWMP VI | * Community Rural <br> Development Department NREGS | 7.994 | Agro-forestry/horticulture, improvement of Degraded forest, strip plantation, Afforestation. | Page No. 41 | Block Level \& District Level |

DETAILED ACTION PLAN FOR CONVERGENCE OF IWMP WITH MGNREGS
UNDER UMTHAM WATERSHED IWMP-VI, RANIKOR BLOCK,
WEST KHASI HILLS DISTRICT, MEGHALAYA

| Slno | Nos and Name of Village | Year of project | Name of Works | Total Area of Scheme Proposed | Area proposed for Convergence | Total cost for convergence | IWMP (40 \%) | MGNREGS(60\%) | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | Amount | Amount |  |
| 1 | 1. Rngi Mawpat <br> 2. Rang Khiat <br> 3. Phlangdiloin <br> 4. Pyndensynia <br> 5. Phlangmawprah <br> 6. Nongmluh <br> 7. Mawmynsor <br> 8. Mawthungmlang <br> 9. Mawphansaw <br> 10.Thnangbyriang | II ${ }^{\text {nd }}$ | Afforestation | 45.0 ha (creation) | $\begin{gathered} 15.0 \text { ha @ Rs } \\ 7200 /- \end{gathered}$ | 1.08 | 0.432 | 0.648 |  |
|  |  |  | Improvement of degraded forests | 500.0 ha (creation) | $\begin{gathered} \text { 150.0ha } \\ \text { @Rs2600/- } \end{gathered}$ | 3.90 | 1.56 | 2.34 |  |
|  |  |  | Strip Plantation | 32.0 ha (Creation) | $\begin{gathered} 5.0 \text { ha@Rs } \\ 3076 /- \\ \hline \end{gathered}$ | 0.1538 | 0.0615 | 0.09230 |  |
|  |  | Total of II ${ }^{\text {nd }}$ |  | 577.0 ha | 170.00 ha | 5.1338 | 2.0535 | 3.0803 |  |
|  |  | III ${ }^{\text {rd }}$ | AgroHorticulture | 400 ha (Creation) | $\begin{aligned} & \text { 48.55 ha@ } \\ & \text { Rs5900/- } \end{aligned}$ | 2.86435 | 1.14585 | 1.7185 |  |
|  |  |  | Agro-Forestry | $100.0 \mathrm{ha}$ (creation) | $\begin{gathered} \hline 20.0 \mathrm{ha} @ \mathrm{Rs} \\ 7200 /- \\ \hline \end{gathered}$ | 1.44 | 0.576 | 0.864 |  |
|  |  |  | Afforestation | 45.0 ha <br> (Maintenance) | $\begin{aligned} & 15.0 \text { ha @Rs } \\ & 2900 /- \\ & \hline \end{aligned}$ | 0.435 | 0.174 | 0.261 |  |
|  |  |  | Improvement of degraded forests | $\begin{gathered} \text { 500.0ha } \\ \text { (Maintenance) } \end{gathered}$ | $\begin{gathered} \hline 150.0 \text { ha@ Rs } \\ 1000 /- \\ \hline \end{gathered}$ | 1.50 | 0.60 | 0.90 |  |
|  |  |  | Strip Plantation | $\begin{gathered} \text { 32.0ha } \\ \text { (Maintenance) } \end{gathered}$ | $\begin{gathered} 5.0 \text { ha @Rs } \\ 1190 /- \\ \hline \end{gathered}$ | 0.0595 | 0.0238 | 0.0357 |  |
|  |  | Total of III ${ }^{\text {rd }}$ |  | 412.5 | 68.55 ha | 6.29885 | 2.51965 | 3.7792 |  |
|  |  | IV ${ }^{\text {th }}$ | Agro-Forestry | 100.0 ha <br> (Maintenance) | $\begin{gathered} 20.0 \text { ha @ Rs } \\ 2900 /- \\ \hline \end{gathered}$ | 0.58 | 0.232 | 0.348 |  |
|  |  |  | Agro- <br> Horticulture | 400 ha <br> (Maintenance) | $\begin{gathered} 48.55 \text { ha @ Rs } \\ 2700 /- \end{gathered}$ | 1.31075 | 0.52425 | 0.7865 |  |
|  |  | Total of IV ${ }^{\text {th }}$ |  | - | - | 1.89075 | 0.75625 | 1.1345 |  |
|  |  | Grand Total |  | 1077.00 ha | 238.55 ha | 13.3234 | 5.3294 | 7.994 |  |

Public-Private Partnership in the IWMP projects: NIL

| 1 | 2 | 3 | 4 |  |  | 5 |  | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| District | Name of project | Name of <br> Private <br> Sector <br> Partner <br> 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 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

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


## CHAPTER VI CAPACITY BUILDING

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

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

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

- From Column no. 2, total no. of States implementing the programme, from Column no. 3, no. of training institutes, from column No. 9, total no. of category-wise trainings and trainees may be given at the end of the table for the entire country
- \# Central govt. Dept./ State govt. Dept./ Autonomous Body/ Research Institutes/ Universities/ Others (pl. specify)
\$ Capacity Building/ Agriculture/ Horticulture/ Animal Husbandry/ Pisciculture/ Remote Sensing/ Water conservation/ Ground water/ Forestry/ livelihoods/ entrepreneurship development/ others (pl. specify)
${ }^{@}$ The training institutes must fulfill the conditions mentioned in the operations guidelines.
(i) Technical experts in fields required by IWMP
(ii) Past experiences
(iii) Annual Turnover
(iv) Receives funds either from the Central or State Government
(v) Publications
(vi) Not blacklisted by any Govt. organizations
(vii) Audited accounts
(viii) Organizational structure


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

| 1 | 2 | 3 | 4 | 5 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Project | Total no. | No. of persons | No. of persons to be trained | No. of persons trained | Sources of | g for training |  | $\begin{aligned} & \text { tilized } \\ & \text { hs) } \end{aligned}$ |
| Stakeholders | of persons | trained so far | during current financial year | financial year | a) DoLR | b) Any other (Pl. specify) | a) DoLR | b) Any other (Pl. specify) |
| SLNA |  |  |  | - | $\checkmark$ |  | 2.55 |  |
| DRDA/ZP cell |  |  |  | - |  |  |  |  |
| PIAs |  |  |  | - |  |  |  |  |
| WDTs | 6 | 6 |  | 6 |  |  |  |  |
| UGs | 72 | 72 |  | 72 |  |  |  |  |
| SHGs | 240 | 240 |  | 240 |  |  |  |  |
| WCs | 50 | 50 |  | 50 |  |  |  |  |
| GPs | - | - |  | - |  |  |  |  |
| Community | - | - |  | - |  |  |  |  |
| Others <br> (Farmer Awareness) | 340 | 340 |  | 340 |  |  |  |  |

Table 6.3: Information, Education \& Communication (IEC) activities for the year 2010-11 as on 31/01/2011(dd/mm/yyy)*

|  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{4}$ |
| :---: | :--- | :--- | :--- | :--- | :---: |
|  | Activity | Executing agency | Estimated expenditure (Rs.) | Expenditure <br> incurred <br> (Rs.) | Outcome <br> (may quantity, wherever possible) |
| 1. | Awareness | S\&WC (T) Division | 0.40 | 0.40 | Better Awarness |
| 2. | Farmer Training | S\&WC (T) Division | 0.40 | 0.40 | Better Awarness |
| 3. | Exposure Visits | S\&WC (T) Division | 0.40 | 0.40 | Better Awarness |
| 4. | Capacity Building <br> (WDT/WV/SHG's/UG's | S\&WC (T) Division | 0.85 | Better Awarness |  |
|  | Total | $\mathbf{2 . 5 5}$ | Better Awarness |  |  |

## CHAPTER VII EXPECTED OUTCOME

Table 7.1 Employment related outcomes:

| $\begin{gathered} \text { Sl } \\ \text { No } \end{gathered}$ | Name of Village | 1 |  |  |  |  |  |  |  |  |  | $\frac{2}{\text { Self employment }}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Wage 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. | Rngi Mawpat |  | $100 \%$ | 3,204 | 3,325 | 6,529 |  | 100 \% |  |  | 32 |  |  |  |  |  |
| 2. | Rang Khiat |  | 100 \% | 4,500 | 4,626 | 9,126 |  | $100 \%$ |  |  | 68 |  |  |  |  |  |
| 3. | Phlangdiloin |  | $100 \%$ | 12,860 | 12,995 | 25,855 |  | $100 \%$ |  |  | 244 |  |  |  |  |  |
| 4. | Pyndensynia |  | $100 \%$ | 5,200 | 5,376 | 10,576 |  | $100 \%$ |  |  | 106 |  |  |  |  |  |
| 5. | Phlangmawprah |  | 100 \% | 6,412 | 6,500 | 12,912 |  | $100 \%$ |  |  | 72 |  |  |  |  |  |
| 6. | Nongmluh |  | 100 \% | 3,513 | 3,490 | 7,003 |  | $100 \%$ |  |  | 68 |  |  |  |  |  |
| 7. | Mawmynsor |  | 100 \% | 2,376 | 2,450 | 4,826 |  | $100 \%$ |  |  | 26 |  |  |  |  |  |
| 8 | Mawthungmlang |  | $100 \%$ | 5,313 | 5,375 | 10,688 |  | $100 \%$ |  |  | 60 |  |  |  |  |  |
| 9 | Mawphansaw |  | $100 \%$ | 2,416 | 2,518 | 4,934 |  | $100 \%$ |  |  | 30 |  |  |  |  |  |
| 10 | Thnangbyriang |  | $100 \%$ | 1,496 | 1,516 | 3,012 |  | $100 \%$ |  |  | 20 |  |  |  |  |  |
|  | Total |  |  | 47290 | 48171 | 95,461 |  |  |  |  | 726 |  |  |  |  |  |

Table 7.2 Migration Details:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 <br> Income from <br> such <br> occupation <br> (Rs. in lakh) | 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 | Occupation during migration |  | For reduced migration identify major activities of IWMP responsible |  |
|  |  |  |  |  |  | the village (km) |  |  | (a) Structures | (b) Livelihoods |
|  |  |  |  | N | I | I |  |  |  |  |

* 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 |  | Total (Rs. in lakh) |
| Woman days | Amount (Rs. in lakh) | No. of women participants | Amount (Rs. in lakh) | No. of women beneficiaries | Value of assistance provided (Rs. in lakh) |  |
|  |  |  |  |  |  |  |

* 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 |  |
| West Khasi Hills District | WKH-IWMP-III | 1. Rngi Mawpat | Improved of degraded forest, footpath, footbridge, C/Dam cum washing place, D/Wells. | $\begin{gathered} \text { FW, MFP, P, } \\ \text { Rd, So, T, } \\ \text { Wd, Wi. } \end{gathered}$ | Lifetime | - | 16 |  | 16 | Nil |
|  |  | 2. Rang Khiat |  |  |  | - | 36 |  | 36 | Nil |
|  |  | 3. Phlangdiloin |  |  |  | - | 153 |  | 153 | Nil |
|  |  | 4. Pyndensynia |  |  |  | - | 45 |  | 45 | Nil |
|  |  | 5. Phlangmawprah |  |  |  | - | 37 |  | 37 | Nil |
|  |  | 6. Nongmluh |  |  |  | - | 35 |  | 35 | Nil |
|  |  | 7. Mawmynsor |  |  |  |  | 13 |  | 13 | Nil |
|  |  | 8. Mawthungmlang |  |  |  |  | 30 |  | 30 | Nil |
|  |  | 9. Mawphansaw |  |  |  |  | 16 |  | 16 | Nil |
|  |  | 10.Thnangbyriang |  |  |  |  | 10 |  | 10 | Nil |

 totals for the entire country may be given at the end of the table.
@ In column no. 6, the categories given in table no. $\mathrm{M}(\mathrm{SP}$ ) 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 |
| $\mathrm{S} / \mathrm{M}$ | 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 |
| West Khasi Hills District | WKH-IWMP VI | Open wells | - | - | - | - | - |
|  |  | Bore wells | - | - | - | - | - |
|  |  | Others (specify) Springs | very poor |  |  |  | - |

* 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 monhs in a year) |  |  | Quality of drinking water |  |  | Comments |
|  |  | Pre-project | Post-project | Change in availability | Pre-project | Post-project | Change in quality |  |
| West Khasi Hills District | WKH-IWMP VI | 9 months | 10-12months | 10-12 months | Moderate | Improved | Improved | - |
|  |  |  |  |  |  |  |  |  |

 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:

| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ |  |  | Water savings in cu.m. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |

* 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, practicewise 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.


## 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 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Name of Projects | Name of crops | Pre-project |  |  |  |  |  | Mid-term |  |  |  |  |  | Post-project |  |  |  |  |  |
| Names of the Districts |  |  | Area <br> (ha) |  |  | age <br> ld <br> per <br> . | Total Production (Qtl) |  | Area <br> (ha) |  | $\begin{gathered} \text { Average } \\ \text { Yield } \\ \text { per ha (Qtl) } \end{gathered}$ |  | Total Production (Qtl) |  | Area <br> (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. |
| West <br> Khasi <br> Hills <br> District | WKH- <br> IWMP VI | Broom Grass | - | 610 |  | 10-12 |  | 10-12 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Tezpata | - | 20 |  | 20 |  | 20 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Orange | - | 32 |  | 44 |  | 44 |  |  |  |  |  |  |  |  |  |  |  |  |

 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 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { Sl } \\ \text { No. } \end{gathered}$ | Names of States | Names of the Districts | Name <br> of Projects | Name of crops | Pre-project |  |  |  |  |  | Mid-term |  |  |  |  |  | Post-project |  |  |  |  |  |
|  |  |  |  |  | Area <br> (ha) |  | Average Yield (Qtl) per ha. |  |  | ctio <br> I) | Area <br> (ha) |  | $\begin{gathered} \text { Average } \\ \text { Yield } \\ \text { per ha }(\mathbf{Q t l}) \end{gathered}$ |  | Total Production (Qtl) |  | Area <br> (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. |
| 1 | Meghalaya | West Khasi Hills | WKHIWMP | Betel leaf | - | 52 | - | 10-12 | - | 10-12 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | District | VI | Black Pepper | - | 36 | - | 6 | - | 6 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Pine-Apple | - | 18 | - | 57 | - | 57 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | $\begin{aligned} & \text { Total for } \\ & \text { the } \\ & \text { District } \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

* 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.

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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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { Sl } \\ \text { No. } \end{gathered}$ | Names of States | Names of the Districts | Name of Projects | Name of crops | Pre-project |  |  |  |  |  | Mid-term |  |  |  |  |  | Post-project |  |  |  |  |  |
|  |  |  |  |  | Area <br> (ha) |  |  | age <br> ld <br> per $\qquad$ |  | tal uctio tl) | Area <br> (ha) |  | Average Yield per ha (Qtl) |  | Total Production (Qtl) |  | Area (ha) |  | Ave Yi per (Q |  | $\begin{array}{r} \mathrm{T} \\ \text { Prod } \end{array}$ | tion |
|  |  |  |  |  | Irri | Rf. | Irri | Rf. | Irri | Rf. | Irri | Rf. | Irri | Rf. | Irri | Rf. | Irri | Rf. | Irri | Rf. | Irri | Rf. |
| 1 | Meghalaya | West Khasi Hills District | WKHIWMP VI | Betel leaf | - | 100 | - | 10-12 | - | 10-12 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Betel nut | - | 52 | - | 9-10 | - | 9-10 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | Total for the District |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

 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.

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## Table 7.6.4 Increase/ Decrease in area under fodder:

| 1 | 2 | 3 | 4 |  |  | 5 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Duration of Project | Existing area under fodder (ha) |  |  | Achievement (ha) |  |  |
| District | Name of project |  | 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 |
| West Khasi Hills District | WKH-IWMP VI | $5 \mathrm{yrs}(2010-15)$ | LULC Map NESAC | 2006 | 36.28 |  |  |  |
|  |  |  |  |  |  |  |  |  |

* 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 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Duration of Project | Existing area tree cover (ha) |  |  | Achievement (ha) |  |  |
| District | Name of project |  | Source/Name of report | Year of reference | Area already under forest/vegetative cover/Tree Clap Open | Forest/vegetative cover area proposed to be covered under IWMP | Forest/vegetative cover area actually covered under IWMP | Change in forest/vegetative cover area |
| West Khasi Hills District | $\begin{gathered} \text { WKH-IWMP } \\ \text { VI } \end{gathered}$ | $5 \mathrm{yrs}(2010-15)$ | LULC Map NESAC | 2006 | 3961.0 ha | 577.0 ha | - |  |
|  |  |  |  |  |  |  |  |  |

 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 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Duration of Project | Existing area under horticulture (ha) |  |  | Achievement (ha) |  |  |
| District | Name 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 |
| West Khasi Hills District | WKH-IWMP VI | $5 \mathrm{yrs}(2010-15)$ | PRA | - | 40.0 | 400.0 | Yet to be covered |  |
|  |  |  |  |  |  |  |  |  |

* 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 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Duration of Project | Existing area under fuel-wood(ha) |  |  | Achievement (ha) |  |  |
| District | Name 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 |
| West Khasi Hills District | WKH-IWMP VI | $5 \mathrm{yrs}(2010-15)$ | LULC Map NESAC | 2006 | 2701.0 |  | - |  |
|  |  |  |  |  |  |  |  |  |

* 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 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Name of Projects | Type of Animal | Pre-project |  |  | Mid-term |  |  | Post-project |  |  | Remarks |
| Districts |  |  | No. | Yield | Income (in Lakh) | No. | Yield | Income | No. | Yield | Income |  |
| West Khasi Hills District | WKH-IWMP VI | Cattle | 5 | 14600 | 2.62 | 13 | 56480 | 10.1664 | 20 | 1,02,200 | 18.396 |  |
|  |  | Piggery | 675 | - | 27.0 | - | - | - | - | - | - |  |
|  |  | Poultry | 590 | - | 17.70 | 750 | - | 80.80 | 890 | - | 97.60 |  |
|  |  | Apiculture | 3080 | - | 4.62 | 3380 | - | 5.70 | 3730 | - | 5.595 |  |
|  | Total for all projects |  |  |  |  |  |  |  |  |  |  |  |
| Total for all Districts |  |  |  |  |  |  |  |  |  |  |  |  |

 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 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Project | Name of activity | Fund required | Sources of funding (Rs.) |  |  |  | Actual Expenditure incurredon activity (Rs.) | No. of beneficiaries trained |  |  |  |  | No. of beneficiaries taking up activity |  |  |  |  |
| District |  |  | for the activity (Rs.) | Project Fund | Benefi -ciary | Others (pl. specify) | Total |  | SC | ST | Others | Women | Total | SC | ST | $\begin{aligned} & \text { Other } \\ & s \end{aligned}$ | Women | Total |
| West <br> Khasi <br> Hills <br> District | $\begin{gathered} \text { WKH- } \\ \text { IWMP } \\ \text { VI } \end{gathered}$ | Tailoring | 1.20 | 1.20 |  |  |  |  |  |  |  |  |  |  |  |  |  | 15 |
|  |  | Hollow Block | 0.30 | 0.30 |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
|  |  | Carpentry | 0.60 | 0.60 |  |  |  |  |  |  |  |  |  |  |  |  |  | 12 |
|  |  | Poultry/Piggery/ Duckery | 2.72 | 2.72 |  |  |  |  |  |  |  |  |  |  |  |  |  | 34 |
|  |  | Apiculture | 8.08 | 8.08 |  |  |  |  |  |  |  |  |  |  |  |  |  | 101 |
|  |  | Piggery | 5.10 | 5.10 |  |  |  |  |  |  |  |  |  |  |  |  |  | 17 |
|  |  | Grocery/Cobbler Electrical shop | 12.30 | 12.30 |  |  |  |  |  |  |  |  |  |  |  |  |  | 41 |
|  |  | Cattle rearing | 2.0 | 2.0 |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |
|  |  | Sericulture | 0.3 | 0.3 |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

(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 <br> (Rs.) | Impact of livelihoods programme |  |  |  | Any other information (pl. Specify) |
|  |  | Migration (No. of beneficiaries) | Development of backwardforward 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 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Project | Name of activity | Fund required for the activity (Rs.) in lakhs | Sources of funding (Rs.) in Lakhs |  |  |  | Actual <br> Expenditure incurred on activity (Rs.) | No. of farmers trained |  |  |  | No. of farmers taking up activity |  |  |  |
| District |  |  |  | Project Fund | Benefi -ciary | $\begin{aligned} & \hline \text { Others } \\ & \text { (pl. } \\ & \text { specify) } \end{aligned}$ | Total |  | SF | MF | LF | Total | SF | MF | LF | Total |
| West Khasi Hills District | WKHIWMP VI | i) Mushroom cultivation | 0.60 | 0.60 |  |  |  |  |  |  |  |  |  |  |  | 2 |
|  |  | ii) Fruit processing | 6.0 | 6.0 |  |  |  |  |  |  |  |  |  |  |  | 12 |
|  |  | iii)Pisiculture | 6.3 | 6.3 |  |  |  |  |  |  |  |  |  |  |  | 21 |
|  |  | iv)Vermi compos ting | 4.00 | 4.00 |  |  |  |  |  |  |  |  |  |  |  | 31 |
|  |  | v)Kitchen gardening | 9.15 | 9.15 |  |  |  |  |  |  |  |  |  |  |  | 366 |

* 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) |
|  |  | $\begin{gathered} \text { Migration } \\ \text { (No. of beneficiaries) } \end{gathered}$ | Development of backwardforward linkages |  |  |
| Total | $\begin{aligned} & \text { Grand Total } \\ & (8+9) \end{aligned}$ |  | Pre-project | Post-project | Pre-project | Post-project |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

Table 7.8 Marketing related outcomes: Backward-Forward linkages *

| 1 | 2 | 3 | 4 | 5 | 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| District | Project | Type of Marketing Facility | Pre-project (no.) | During the project (no.) | Post-project (no.) |
| West Khasi Hills District | WKH-IWMP VI | (A) Backward linkages |  |  |  |
|  |  | (i) Seed certification | - | - | - |
|  |  | (ii) Seed supply system | - | - | - |
|  |  | (iii) Fertilizer supply system | - | - | - |
|  |  | (iv) Pesticide supply system | - | - | - |
|  |  | (v) Credit institutions | 1 | 2 | 3 |
|  |  | (vi) Water supply | 25 | 10 | 35 |
|  |  | (vii) Extension services | 1 | 1 | 1 |
|  |  | (viii) Nurseries | - | - | - |
|  |  | (ix) Tools/machinery suppliers | 0 | 67 | 80 |
|  |  | (x) Price Support system | - | - | - |
|  |  | (xi) Labour | 0 | 60,300 | 72,000 |
|  |  | (xii) Any other (please specify) |  |  |  |
|  |  | (A) Forward linkages |  |  |  |
|  |  | (i) Harvesting/threshing machinery | - | - | - |
|  |  | (ii) Storage (including cold storage) | - | 12 | 15 |
|  |  | (iii) Road network | 1 | 1 | 1 |
|  |  | (iv) Transport facilities | 1 | 1 | 1 |
|  |  | (v) Markets / Mandis | 1 | 1 | 1 |
|  |  | (vi) Agro and other Industries | - | - | - |
|  |  | (vii) Milk and other collection centres | - | 4 | 6 |
|  |  | (viii) Labour | - | 16,200 | 20,700 |
|  |  | (ix) Any other (please specify) |  |  |  |

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

Table 7.9 Abstract of outcomes:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sl. No. | State | Item | Unit | Pre-project Status | Post-project Status | Remarks |
|  |  | Status of water table |  |  |  |  |
|  |  | Ground water structures repaired/ rejuvenated |  |  |  |  |
|  |  | Quality of drinking water |  | Moderately Portable | Improved |  |
|  |  | Availability of drinking water |  | Insufficient | Sufficient |  |
|  |  | Increase in irrigation potential |  | 100\% Rainfed |  |  |
|  |  | Change in cropping/ land use pattern |  | Mono \& Double cropping | Mix cropping |  |
|  |  | Area under agricultural crop |  |  |  |  |
|  |  | I $\quad$ Area under single crop |  | 610ha |  |  |
|  |  | Ii $\quad$ Area under double crop |  | 258ha |  |  |
|  |  | Iii $\quad$ Area under multiple crop |  |  |  |  |
|  |  | Net increase in crop production area |  |  |  |  |
|  |  | Increase in area under vegetation |  |  | 32 |  |
|  | Meghalaya | Increase in area under horticulture |  |  | 400.0 ha |  |
|  |  | Increase in area under fuel \& fodder |  |  | 577.0 ha |  |
|  |  | Increase in milk production |  |  |  |  |
|  |  | No. of SHGs |  |  |  |  |
|  |  | Increase in no. of livelihoods |  |  |  |  |
|  |  | Increase in income |  | 35,000.0 | 50,000.0 |  |
|  |  | Migration |  |  |  |  |
|  |  | No. of school going children |  | 805 | 957 |  |
|  |  | SHG Federations formed |  |  |  |  |
|  |  | Credit linkage with banks |  |  |  |  |
|  |  | Resource use agreements |  |  |  |  |
|  |  | WDF collection \& management |  |  |  |  |
|  |  | Summary of lessons learnt | May be attached as a separate file |  |  |  |

Table 7.10 Cost effectiveness of structures/ activities*

| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ | $\mathbf{9}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| District | Name of <br> project | Name of WC | Name of <br> structure/ <br> activity | Estimated cost <br> (Rs. In Lakh) | Expected <br> quantifiable <br> benefits (Rs. In <br> Lakh) | Expenditure <br> incurred (Rs.in <br> Lakh) | Actual <br> quantifiable <br> benefit (Rs. in <br> Lakh) | Benefit: Cost <br> ratio ${ }^{\#}$ | IRR |
| West Khasi Hills <br> District | WKH-IWMP <br> VI | Wah Umtham | As per Action <br> Plan | 255.0 | $1,797.55$ | 255.0 | 633.9371 | $1.26: 1$ | $26 \%$ |

* 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







91¹2'46.8"




LEGENDS





## ANNEXURE II

## SOCIO-ECONOMIC SURVEY DETAILS

SOCIO - ECONOMIC DATA

| Sl. <br> No. | Name of the village | Name of the Head of the Family | Total no of Adult | Total no of Minor | Total includin g head of family | Ownership of land in Ha |  |  | Total Area under cultivatio n at present | Total annual Income(in Rupees) |  |  | Total annual <br> Income | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Cultivabl e land | Non cultivab le land | Total area |  | Agric ulture | Livesto ck | Labour/B ussiness |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Rngi Mawpat | Woly Wahlang | 2 | 0 | 2 | 3 | 0 | 3 | 1.50 | 50,000 | 20,000 | 5,000 | 75,000 |  |
| 2 | Rngi Mawpat | Kimyour Syiemiong | 2 | 3 | 5 | 3 | 1 | 4 | 1.00 | 20,000 | 40,000 | 30,000 | 90,000 |  |
| 3 | Rngi Mawpat | Pendar Iawphniaw | 2 | 4 | 6 | 10 | 0 | 10 | 2.00 | 70,000 | 10,000 | 20,000 | 1,00,000 |  |
| 4 | Rngi Mawpat | Colostar Marthong | 2 | 2 | 4 | 4 | 2 | 6 | 2.00 | 50,000 | 30,000 | 70,000 | 87,000 |  |
| 5 | Rngi Mawpat | Longsimai Syiemiong | 2 | 0 | 2 | 3 | 0 | 3 | 1.50 | 20,000 | 20,000 | 40,000 | 80,000 |  |
| 6 | Rngi Mawpat | Klostar Iawphniaw | 4 | 0 | 4 | 3 | 2 | 5 | 2.00 | 50,000 | 10,000 | 15,000 | 75,000 |  |
| 7 | Rngi Mawpat | Siewdorlin Syiemiong | 2 | 1 | 3 | 2 | 1 | 3 | 1.00 | 10,000 | 40,000 | 30,000 | 80,000 |  |
| 8 | Rngi Mawpat | Davies Syiemiong | 2 | 1 | 3 | 5 | . 50 | 5.50 | 2.50 | 50,000 | 12,000 | - | 62,000 |  |
| 9 | Rngi Mawpat | Denlion Syiemiong | 2 | 4 | 6 | 3 | 3 | 6 | 2.00 | 40,000 | 30,000 | 15,000 | 85,000 |  |
| 10 | Rngi Mawpat | Klebar Syiemiong | 2 | 1 | 3 | 6 | 1 | 7 | 2.00 | 45,000 | 15,000 | 20,000 | 80,000 |  |
| 11 | Rngi Mawpat | Santimon Syiemiong | 2 | 3 | 5 | 3 | 2 | 5 | 1.50 | 30,000 | 20,000 | 20,000 | 70,000 |  |
| 12 | Rngi Mawpat | Dentishon Syiemiong | 1 | 0 | 1 | 1 | 3 | 4 | 1.00 | 20,000 | 20,000 | 40,000 | 80,000 |  |
| 13 | Rngi Mawpat | Slipshon Syiemiong | 2 | 1 | 3 | 10 | 0 | 10 | 2.00 | 40,000 | 30,000 | 30,000 | 1,00,000 |  |
| 14 | Rngi Mawpat | Elbina Syiemiong | 4 | 0 | 4 | 5 | 0 | 5 | 2.00 | 30,000 | 15,000 | 40,000 | 85,000 |  |
| 15 | Rngi Mawpat | Bethesda Syiemiong | 2 | 6 | 8 | 5 | 0 | 5 | 2.00 | 40,000 | 20,000 | 40,000 | 1,00,000 |  |
| 16 | Rngi Mawpat | Barlinstar Syiemiong | 4 | 4 | 8 | 10 | 0 | 10 | 3.00 | 60,000 | - | 80,000 | 1,40,000 |  |
| 17 |  | Total | 37 | 30 | 67 | 76 | 15.5 | 91.5 | 29 | $\begin{gathered} \hline \mathbf{6 , 2 5 , 0} \\ 00 \\ \hline \end{gathered}$ | 3,32,000 | 4,95,000 | 13,89,000 |  |


| Sl. <br> No. | Name of the village | Name of the Head of the Family | Total no of Adult | Total no of Minor | Total includin g head of family | Ownership of land in Ha |  |  | Total <br> Area <br> under <br> cultivati <br> on at <br> present | Total annual Income(inRupees) |  |  | Total annual Income | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | $\begin{aligned} & \text { Cultivabl } \\ & \text { e land } \end{aligned}$ | Non cultivab le land | Total area |  | Agricul ture | Livesto ck | Labour/B ussiness |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Rangkhiat | Shri Handfree Wahlang | 2 | 4 | 6 | 6 | 6 | 12 | 5 | 35,000 | 10,000 | 15,000 | 60,000 |  |
| 2 | Rangkhiat | Shri Bripton Morshra | 4 | 6 | 10 | 3 | 4 | 7 | 2 | 30,000 | 8,000 | 10,000 | 48,000 |  |
| 3 | Rangkhiat | Shri Shemmingwell | 2 | 1 | 3 | 2 | 2 | 4 | 2 | 35,000 | 5,000 | 5,000 | 45,000 |  |
| 4 | Rangkhiat | Shri Plingshon | 1 | - | 1 | 4 | 3 | 7 | 3 | 30,000 | 5,000 | 5,000 | 40,000 |  |
| 5 | Rangkhiat | Shri Braibis Wahlang | 2 | 6 | 8 | 3 | 3 | 6 | 2 | 34,000 | 10,000 | 10,000 | 54,000 |  |
| 6 | Rangkhiat | Smt Pildaris | 4 | 1 | 5 | 5 | 4 | 9 | 3 | 32,000 | 11,000 | 9,000 | 52,000 |  |
| 7 | Rangkhiat | Shri Mepstarful Syrman | 2 | 7 | 9 | 3 | 2 | 5 | 2 | 31,000 | 9,000 | 12,000 | 52,000 |  |
| 8 | Rangkhiat | Shri Welthing Syrman | 2 | 4 | 6 | 3 | 3 | 6 | 4 | 30,000 | 8,000 | 10,000 | 48,000 |  |
| 9 | Rangkhiat | Shri Poldastan Kharsaw | 6 | 5 | 11 | 2 | 2 | 4 | 2 | 35,000 | 9,000 | 8,000 | 52,000 |  |
| 10 | Rangkhiat | Shri Filick S Lyngdoh | 5 | 3 | 8 | 2 | 1 | 3 | 1 | 30,000 | 7,000 | 10,000 | 47,000 |  |
| 11 | Rangkhiat | Shri Khoslan Thongni | 2 | 2 | 4 | 2 | 2 | 4 | 1 | 29,000 | 10,000 | 5,000 | 44,000 |  |
| 12 | Rangkhiat | Shri Tairanson Thongni | 2 | 5 | 7 | 1 | 1 | 2 | 1 | 28,000 | 8,000 | 9,000 | 45,000 |  |
| 13 | Rangkhiat | Shri Dranglyn S Lyngdoh | 4 | 4 | 8 | 2 | 1 | 3 | 1 | 30,000 | 10,000 | 5,000 | 45,000 |  |
| 14 | Rangkhiat | Shri Gringlan Nongphlang | 2 | - | 2 | 2 | 2 | 4 | 2 | 25,000 | 15,000 | 1,000 | 41,000 |  |
| 15 | Rangkhiat | Shri Stulding Marshra | 3 | 5 | 8 | 3 | 1 | 4 | 1 | 30,000 | 13,000 | 8,000 | 51,000 |  |
| 16 | Rangkhiat | Shri Robet Nongphlang | 4 | 6 | 10 | 2 | 2 | 4 | 1 | 31,000 | 12,000 | 2,000 | 45,000 |  |
| 17 | Rangkhiat | Shri Khrawbor Marshra | 2 | 3 | 5 | 2 | 2 | 4 | 1 | 26,00 | 24,000 | 1,000 | 51,000 |  |
| 18 | Rangkhiat | Shri Diamonstar Thongni | 2 | 2 | 4 | 1 | 1 | 2 | 1 | 24,000 | 10,000 | 1,000 | 35,000 |  |
| 19 | Rangkhiat | Shri Kynphamstar | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 27,000 | 14,000 | 2,000 | 43,000 |  |
| 20 | Rangkhiat | Smt Lendaris Kharsaw | 2 | 1 | 3 | 5 | 4 | 9 | 3 | 32,000 | 10,000 | 10,000 | 55,000 |  |
| 21 | Rangkhiat | Shri Fulgensijul | 4 | 6 | 10 | 4 | 3 | 7 | 2 | 35,000 | 10,000 | 10,000 | 55,000 |  |
| 22 | Rangkhiat | Smt Ninelydaris | 1 | 3 | 4 | 1 | 1 | 3 | 1 | 29,000 | 10,000 | 1,000 | 31,000 |  |
| 23 | Rangkhiat | Smt Philisita S Lyngdoh | 4 | 4 | 8 | 1 | 1 | 2 | 1 | 22,000 | 8,000 | 10,000 | 41,000 |  |
| 24 | Rangkhiat | Smt Kisfully Kharsaw | 1 | 4 | 5 | 1 | 1 | 2 | 1 | 25,000 | 5,000 | 1,000 | 31,000 |  |
| 25 | Rangkhiat | Shri Billyshan Syrman | 1 | 7 | 8 | 2 | 2 | 4 | 1 | 30,000 | 10,000 | 5,000 | 45,000 |  |
| 26 | Rangkhiat | Shri Maitphanlin | 2 | 2 | 4 | 4 | 3 | 7 | 2 | 33,000 | 11,000 | 9,000 | 53,000 |  |
| 27 | Rangkhiat | Shri Tipborlin Nonglang | 2 | 2 | 4 | 1 | 1 | 2 | 1 | 38,000 | 5,000 | 2,000 | 45,000 |  |
| 28 | Rangkhiat | Smt Pyndaplin | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 20,000 | 10,000 | 3,000 | 33,000 |  |
| 29 | Rangkhiat | Shri Debralin Wahlang | 2 | 4 | 6 | 3 | 2 | 5 | 2 | 34,000 | 10,000 | 10,000 | 54,000 |  |
| 30 | Rangkhiat | Shri Kiliyes Syiemiong | 2 | 6 | 8 | 2 | 1 | 3 | 1 | 29,000 | 10,000 | 5,000 | 44,000 |  |
| 31 | Rangkhiat | Smt Prisila S Lyngdoh | 1 | - | 1 | 1 | 1 | 2 | 1 | 20,000 | 9,000 | 1,000 | 30,000 |  |
| 32 | Rangkhiat | Smt Jeniles | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 21,000 | 8,000 | 1,000 | 30,000 |  |
| 33 | Rangkhiat | Shri Klinislan Syrman | 1 | - | 1 | 2 | 1 | 3 | 1 | 30,000 | 7,000 | 2,000 | 39,000 |  |


| 34 | Rangkhiat | Smt Damitre S Lyngdoh | 1 | 2 | 3 | 1 | 1 | 2 | 1 | 25,000 | 5,000 | 2,000 | 32,000 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 35 |  | Total | 80 | 108 | 188 | 79 | 67 | 147 | 56 | 9,69,000 | 3,26,000 | 2,00,000 | 15,16,000 |  |


| SI. <br> No. | Name of the village | Name of the Head of the Family | Total no of Adult | Total no of Minor | Total includin g head of family | Ownership of land in Ha |  |  | Total Area under cultivati on at present | Total annual Income(inRupees) |  |  | Total annual Income | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Cultivabl e land | Non cultivab le land | Total area |  | Agricul ture | Livesto ck | Labour/B ussiness |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Phlangdiloin | Shri David N Giri | 2 | 2 | 4 | 2 | 1.5 | 3.5 | 1 | 30,000 | 20,000 | 4,35,000 | 4,85,000 |  |
| 2 | Phlangdiloin | Shri Manbha Nongrum | 4 | 3 | 7 | 3 | - | 3 | 1.5 | 18,000 | 700 | 50,000 | 69,200 |  |
| 3 | Phlangdiloin | Shri Final Rose Nonglang | 2 | 5 | 7 | 3.5 | 1.5 | 5 | 1.5 | 30,000 | 2,000 | 15,000 | 65,000 |  |
| 4 | Phlangdiloin | Shri Dlesstar Nongphlang | 2 | 3 | 5 | 10 | 2 | 12 | 4 | 10,000 | 20,000 | 1,40,000 | 1,80,000 |  |
| 5 | Phlangdiloin | Shri Swellyros L Lyngdoh | 1 | 3 | 4 | 3 | 2 | 5 | 2 | 30,000 | 2,000 | 1,22,000 | 1,54,000 |  |
| 6 | Phlangdiloin | Shri Hardingwell Thongni | 2 | 5 | 7 | 5 | 5 | 10 | 2 | 25,000 | - | 30,000 | 55,000 |  |
| 7 | Phlangdiloin | Smt Ernes Marshra | 4 | 4 | 8 | 1 | . 5 | 1.5 | 1 | 25,000 | 5,000 | 30,000 | 60,000 |  |
| 8 | Phlangdiloin | Shri Westerly Dkhar | 3 | 3 | 6 | . 5 | . 5 | 1 | 5 | 20,000 | 10,000 | 40,000 | 70,000 |  |
| 9 | Phlangdiloin | Shri Silasting Nongphlang | 4 | 3 | 7 | 2 | 1 | 3 | 1 | 10,000 | 5,000 | 1,40,000 | 1,55,000 |  |
| 10 | Phlangdiloin | Shri Blassius Thongni | 4 | 2 | 6 | 3 | 1 | 4 | 2 | 50,000 | 1,000 | 30,000 | 81,000 |  |
| 11 | Phlangdiloin | Shri Besterling Lyngdoh | 2 | 3 | 5 | 3 | 1 | 4 | 2 | 50,000 | 20,000 | 30,000 | 1,00,000 |  |
| 12 | Phlangdiloin | Shri Landing Nongphlang | 2 | 4 | 6 | 2 | 2 | 4 | 2 | 20,000 | 1,000 | 1,60,000 | 1,80,000 |  |
| 13 | Phlangdiloin | Shri Rosman Thongni | 2 | 5 | 7 |  |  |  |  |  |  | 50,000 | 50,000 |  |
| 14 | Phlangdiloin | Shri Franklin Thongni | 4 | 3 | 7 | 2 | 1 | 3 | 5 | 10,000 | 1,000 | 40,000 | 51,000 |  |
| 15 | Phlangdiloin | Smt Evamary N Phlang | 1 | 0 | 1 |  |  |  |  |  |  | 28,300 | 28,300 |  |
| 16 | Phlangdiloin | Smt Aisidora Nonglang | 2 | 3 | 5 | 3 |  | 3 | 1.5 | 18,500 | 7,500 | 50,000 | 93,000 |  |
| 17 | Phlangdiloin | Smt Meribel Thongni | 1 | 3 | 4 | 3 |  | 3 | 1 | 1,500 | 1,000 | 23,000 | 25,500 |  |
| 18 | Phlangdiloin | Shri Josterfill Thongni | 2 | 4 | 6 | 2 | 1 | 3 | 1 | 10,000 | 5,000 | 1,40,000 | 1,55,000 |  |
| 19 | Phlangdiloin | Smt Kmendolina | 3 | 2 | 5 | 1 | 1.5 | 2.5 | 1 | 30,000 |  | 1,500 | 45,000 |  |
| 20 | Phlangdiloin | Shri Dominic Riangshiang | 2 | 6 | 8 | 4 |  | 4 | 1.5 | 10,000 | 2,000 | 30,000 | 42,000 |  |
| 21 | Phlangdiloin | Smt kwestina Nonglang | 3 | 3 | 6 | 1 | 1.5 | 2.5 | 1 | 10,000 |  | 20,000 | 30,000 |  |
| 22 | Phlangdiloin | Smt Elsistina Thongni | 1 | 2 | 3 | 2 |  | 2 | . 5 | 3,000 |  | 36,000 | 39,000 |  |
| 23 | Phlangdiloin | Shri Skallin Thongni | 2 | 3 | 5 | 2 |  | 2 | . 5 | 2,500 |  | 1,20,000 | 1,22,500 |  |
| 24 | Phlangdiloin | Shri Protasius Syiemiong | 2 | 9 | 11 | 1 | 1.5 | 2.5 | . 5 | 30,000 | 1,000 | 22,000 | 53,000 |  |
| 25 | Phlangdiloin | Shri Terensius Lyngkhoi | 2 | 7 | 9 | 1 | . 5 | 1.5 | 1 | 40,000 | 1,000 | 20,000 | 61,000 |  |
| 26 | Phlangdiloin | Shri Herman Thongni | 2 | 3 | 5 | 2 | 1 | 3 | . 5 | 10,000 | 20,000 |  | 30,000 |  |
| 27 | Phlangdiloin | Shri Ephriem S Lyngkhoi | 2 | 3 | 5 | . 5 | . 5 | 1 | . 5 | 20,000 | 10,000 | 10,000 | 40,000 |  |
| 28 | Phlangdiloin | Shri Gilbert Syiemiong | 2 | 3 | 5 | 4 |  | 4 | 1.5 | 30,000 | 1,000 | 22,000 | 53,000 |  |


| 29 | Phlangdiloin | Smt klerentina S Lyngdoh | 3 | 4 |  | 7 | 2 | 9 | 2.5 | 8,000 | 1,500 | 25,000 | 34,500 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 | Phlangdiloin | Shri Twingkel Thongni | 2 | 6 | 8 | 2 | 1 | 3 | 2.5 | 22,500 | 8,000 | 36,000 | 66,500 |  |
| 31 | Phlangdiloin | Shri Medingland Myrthong | 3 | 5 | 8 | 4 | 1.5 | 5.5 | 4 | 28,800 | 16,200 | 50,000 | 98,000 |  |
| 32 | Phlangdiloin | Shri Dwingly Thongni-iong | 2 | 5 | 7 | 3 | 2 | 5 | 3 | 18,000 | 12,000 | 76,000 | 46,000 |  |
| 33 | Phlangdiloin | Shri Apmondar Marshillong | 2 | 4 | 6 | 1.5 | 2 | 3.5 | 1.5 | 16,000 | 23,500 | 28,500 | 68,000 |  |
| 34 | Phlangdiloin | Shri Nasarius Imiong | 2 | 3 | 5 | 2.5 | 1.5 | 4 | 2.5 | 26,000 | 18,300 | 21,700 | 65,700 |  |
| 35 | Phlangdiloin | Smt Nesibon Thongni | 1 | 2 | 3 | 3.5 | 1 | 4.5 | 3.5 | 32,000 | 17,700 | 26,200 | 75,900 |  |
| 36 | Phlangdiloin | Smt Lididora Thongni | 1 | 6 | 7 | 2 | 1 | 3 | 2.5 | 30,000 | 12,000 | 6,000 | 48,000 |  |
| 37 | Phlangdiloin | Shri Quictonal Nongrum | 2 | 4 | 6 | 5 | 2 | 7 | 5 | 25,000 | 8,000 | 27,800 | 60,800 |  |
| 38 | Phlangdiloin | Shri Phrolington Lyngkhoi | 3 | 4 | 7 | 6 | 1 | 7 | 6 | 28,000 | 10,000 | 1,30,000 | 1,68,000 |  |
| 39 | Phlangdiloin | Shri Brestonel Thongni | 2 | 7 | 9 | 1 | 2 | 3 | 1 | 20,500 | 11,200 | 10,000 | 41,700 |  |
| 40 | Phlangdiloin | Smt Distilda Mawlieh | 1 | 7 | 8 | 2 | 2 | 4 | 2 | 12,000 | 6,500 | 20,000 | 38,500 |  |
| 41 | Phlangdiloin | Shri Joynal Abdin Ali | 2 | 6 | 8 | 3 | 1 | 4 | 3 | 18,000 | 2,000 | 30,000 | 50,000 |  |
| 42 | Phlangdiloin | Shri Worfil Thongni | 2 | 4 | 6 | 1 | 1 | 2 | 1 | 6,000 | 12,000 | 20,000 | 38,000 |  |
| 43 | Phlangdiloin | Shri Micheal S Lyngdoh | 1 | 4 | 5 | 2 | 1 | 3 | 2 | 13,000 | 16,000 | 10,000 | 39,000 |  |
| 44 | Phlangdiloin | Shri Evarland Nongsiej | 2 | 4 | 6 | 2 | 1.5 | 3.5 | 2 | 11,000 | 18,000 | 8,000 | 37,000 |  |
| 45 | Phlangdiloin | Smt Kwentinoris Nongphlang | 1 | 4 | 5 | 4 | 2 | 6 | 4 | 25,000 | 1,000 | 20,000 | 46,000 |  |
| 46 | Phlangdiloin | Shri Graiswillstone Imiong | 2 | 6 | 8 | 1 | 2 | 3 | 1 | 6,500 | 500 | 30,700 | 47,700 |  |
| 47 | Phlangdiloin | Delistina Nongphlang | 2 | 10 | 12 | 6 | 1 | 7 | 6 | 38,000 | 1,500 | 10,000 | 49,500 |  |
| 48 | Phlangdiloin | Shri Berally Thongni | 3 | 2 | 5 | 15 | 10 | 25 | 15 | 1,20,985 | 35,000 | 2,400 | 1,58,385 |  |
| 49 | Phlangdiloin | Shri Oparmos Syiemiong | 4 | 2 | 6 | 9 | 5 | 14 | 9 | 72,000 | 30,000 | 10,000 | 1,12,000 |  |
| 50 | Phlangdiloin | Shri nuksababha Thongni | 2 | 2 | 4 | 7 | 3 | 10 | 7 | 42,000 | 2,500 | 6,000 | 73,000 |  |
| 51 | Phlangdiloin | Shri Goslgy Imiong | 4 | 2 | 6 | 10 | 20 | 30 | 10 | 30,000 | 6,000 | 2,40,000 | 2,76,000 |  |
| 52 | Phlangdiloin | Shri Jesterwell Imiong | 3 | 1 | 4 | 3 | 2 | 5 | 3 | 20,000 | 9,000 | 18,000 | 47,000 |  |
| 53 | Phlangdiloin | Shri Onamstar Syiemiong | 2 | 3 | 5 | 1 | 5 | 6 | 1 | 5,000 | 3,000 | 71,500 | 79,500 |  |
| 54 | Phlangdiloin | Smt Thwin Sangriang | 1 | 3 | 4 | 1 | 1 | 2 | 1 | 6,000 | 9,000 | 36,000 | 51,000 |  |
| 55 | Phlangdiloin | Smt Plistina Thongni | 3 | 4 | 7 | 2 | 1 | 3 | 2 | 14,000 | 8,000 | 36,000 | 58,000 |  |
| 56 | Phlangdiloin | Shri Stikshanroy Marngar | 4 | 3 | 7 | 2 | 0 | 2 | 2 | 13,500 | 16,000 | 12,500 | 42,000 |  |
| 57 | Phlangdiloin | Shri Rangborlin Thongni | 3 | 5 | 8 | 4 | 1 | 5 | 4 | 24,300 | 12,200 | 15,000 | 51,500 |  |
| 58 | Phlangdiloin | Shri Jesmanroy K Dewsaw | 2 | 5 | 7 | 2 | 1 | 3 | 2 | 12,000 | 10,000 | 20,000 | 42,000 |  |
| 59 | Phlangdiloin | Shri Lovelyson Thongni | 2 | 6 | 8 | 3 | 1.5 | 4.5 | 1.5 | 30,000 | 20,000 | 25,000 | 75,000 |  |
| 60 | Phlangdiloin | Shri Bassius Thongni | 2 | 4 | 6 | 2 | 1 | 2 | 1 | 25,000 | 18,000 | 23,000 | 67,000 |  |
| 61 | Phlangdiloin | Shri Ames Thongni | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 27,000 | 19,000 | 24,000 | 70,000 |  |
| 62 | Phlangdiloin | Shri Brimly Lyngdoh | 2 | 0 | 2 | 1.5 | 1 | 2.5 | 0.5 | 20,000 | 16,000 | 15,000 | 57,000 |  |
| 63 | Phlangdiloin | Shri Helistrida Thongni | 1 | 4 | 5 | 3 | 1.5 | 4.5 | 1.5 | 25,000 | 18,000 | 19,000 | 61,000 |  |
| 64 | Phlangdiloin | Shri Harlin Imiong | 2 | 2 | 4 | 3 | 1.5 | 4.5 | 1.5 | 25,000 | 19,000 | 18,000 | 62,000 |  |
| 65 | Phlangdiloin | Shri Lisparly Thongni | 2 | 2 | 4 | 3 | 1.5 | 4.5 | 1.5 | 25,000 | 20,000 | 20,000 | 65,000 |  |
| 66 | Phlangdiloin | Shri Beltishal Thongni | 4 | 4 | 8 | 2 | 1 | 3 | 1 | 20,000 | 11,000 | 20,000 | 51,000 |  |
| 67 | Phlangdiloin | Shri Phrangstarwell Thongni | 2 | 4 | 6 | 4 | 3 | 7 | 1 | 40,000 | 30,000 | 27,000 | 97,000 |  |
| 68 | Phlangdiloin | Shri Phillip sohshang | 2 | 5 | 7 | 2 | 1.5 | 3.5 | 0.5 | 25,000 | 20,000 | 17,000 | 63,000 |  |


| 69 | Phlangdiloin | Shri Rodri Marshra | 2 | 4 | 6 | 2 | 1.5 | 3.5 | 1 | 20,000 | 18,000 | 15,000 | 53,000 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 70 | Phlangdiloin | Smt Lstarda Syrman | 3 | 3 | 6 | 3 | 2 | 5 | 1 | 30,000 | 25,000 | 20,000 | 75,000 |  |
| 71 | Phlangdiloin | Shri Khrisdin Thongni | 3 | 1 | 4 | 2 | 1.5 | 3.5 | 0.5 | 25,000 | 20,000 | 18,000 | 63,000 |  |
| 72 | Phlangdiloin | Shri Lucasson K shiiing | 2 | 6 | 8 | 3 | 2 | 5 | 3 | 30,000 | 27,000 | 18,000 | 75,000 |  |
| 73 | Phlangdiloin | Smt Dahunshisha Thongni | 1 | 3 | 4 | 2 | 1.5 | 3.5 | 0.5 | 28,000 | 20,000 | 19,000 | 67,000 |  |
| 74 | Phlangdiloin | Shri Novel Imiong | 4 | 2 | 6 | 2 | 1 | 3 | 1 | 20,000 | 20,000 | 13,000 | 53,000s |  |
| 75 | Phlangdiloin | Smt Tignlina Thongni | 2 | 1 | 3 | 3 | 2 | 5 | 1 | 30,000 | 20,000 | 25,000 | 75,000 |  |
| 76 | Phlangdiloin | Smt Dondor Marngar | 3 | 4 | 7 | 3 | 2 | 5 | 1 | 30,000 | 25,000 | 20,000 | 75,000 |  |
| 77 | Phlangdiloin | Shri Kyllishon Lyngdoh | 4 | 2 | 6 | 2 | 1.5 | 2.5 | 0.5 | 27,000 | 20,000 | 18,000 | 65,000 |  |
| 78 | Phlangdiloin | Shri Ploster Myrthong | 2 | 6 | 8 | 4 | 3 | 7 | 1 | 35,000 | 20,000 | 18,000 | 73,000 |  |
| 79 | Phlangdiloin | Shri Bastibal Syiemiong | 2 | 3 | 5 | 1 | 0.5 | 1.5 | 0.5 | 25,000 | 18,000 | 16,000 | 59,000 |  |
| 80 | Phlangdiloin | Shri Gabriel Thongni | 2 | 4 | 6 | 2 | 1 | 3 | 1 | 27,000 | 23,000 | 20,000 | 70,000 |  |
| 81 | Phlangdiloin | Shri Alandonal Thongni | 2 | 5 | 7 | 2 | 1.5 | 3.5 | 0.5 | 25,000 | 20,000 | 18,000 | 63,000 |  |
| 82 | Phlangdiloin | Shri Royalson Thongni | 2 | 5 | 7 | 3 | 2 | 5 | 1 | 28,000 | 25,000 | 20,000 | 73,000 |  |
| 83 | Phlangdiloin | Shri Tainingstar Shangrit | 2 | 0 | 2 | 2 | 1 | 3 | 1 | 28,000 | 26,000 | 23,000 | 77,000 |  |
| 84 | Phlangdiloin | Shri asanter Thongni | 2 | 3 | 5 | 3 | 2 | 5 | 1 | 30,000 | 25,000 | 20,000 | 75,000 |  |
| 85 | Phlangdiloin | Shri Phassius Thongni | 2 | 6 | 8 | 1 | 0,5 | 1.5 | 1 | 24,000 | 19,000 | 18,000 | 61,000 |  |
| 86 | Phlangdiloin | Smt Bersheba Wahlang | 2 | 7 | 9 | 3 | 2 | 5 | 1 | 27,000 | 20,000 | 18,000 | 65,000 |  |
| 87 | Phlangdiloin | Shri Straithwater Marshra | 2 | 3 | 5 | 3 | 2 | 5 | 1 | 30,000 | 25,000 | 20,000 | 75,000 |  |
| 88 | Phlangdiloin | ShriKassius Thongni | 2 | 6 | 8 | 2 | 1 | 3 | 2 | 11,700 | 9,000 | 20,000 | 40,700 |  |
| 89 | Phlangdiloin | Shri Beswell Thongni | 2 | 5 | 7 | 1.5 | 2 | 3.5 | 1.5 | 8,500 | 72,000 | 6,000 | 86,500 |  |
| 90 | Phlangdiloin | Shri Fransis Thongni | 2 | 2 | 4 | 2.5 | 1 | 3.5 | 2.5 | 14,000 | 18,000 | 16,000 | 48,000 |  |
| 91 | Phlangdiloin | Shri Pailandar Paliar | 2 | 3 | 5 | 5 | 3 | 8 | 5 | 30,000 | 20,000 | 8,000 | 58,000 |  |
| 92 | Phlangdiloin | Shri Oldingstone | 2 | 4 | 6 | 1 | 1 | 2 | 1 | 5,800 | 10,000 | 35,000 | 50,800 |  |
| 93 | Phlangdiloin | Shri Bransly Thongni | 2 | 6 | 8 | 3 | 1 | 4 | 3 | 17,000 | 12,000 | 24,000 | 54,000 |  |
| 94 | Phlangdiloin | Shri Shngainkupar Dkhar | 2 | 2 | 4 | 0.5 | 1 | 1.5 | 0.5 | 4,000 | 16,500 | 28,000 | 48,000 |  |
| 95 | Phlangdiloin | Shri Isakiel Marngar | 2 | 6 | 8 | 2 | 0.5 | 2.5 | 2 | 12,000 | 12,000 | 30,000 | 54,000 |  |
| 96 | Phlangdiloin | Shri Aldrin Imiong | 2 | 3 | 5 | 1 | 1 | 2 | 1 | 5,800 | 18,200 | 28,000 | 52,000 |  |
| 97 | Phlangdiloin | Shri Abester Imiong | 2 | 2 | 4 | 1 | 1.5 | 2.5 | 1 | 6,000 | 12,000 | 20,000 | 38,000 |  |
| 98 | Phlangdiloin | Shri Dishon Lyngdoh | 2 | 2 | 4 | 1 | 1 | 2 | 1 | 6,000 | 20,000 | 15,000 | 41,000 |  |
| 99 | Phlangdiloin | Shri Daulus Nongphlang | 2 | 3 | 5 | 2 | 1 | 3 | 2 | 12,000 | 8,000 | 40,000 | 60,000 |  |
| 100 | Phlangdiloin | Shri Transius S Lyngdoh | 3 | 3 | 6 | 1 | 1 | 2 | 1 | 6,200 | 14,400 | 36,400 | 57,000 |  |
| 101 | Phlangdiloin | Shri Ioanis Nonphlang | 2 | 1 | 3 | 3 | 1 | 4 | 3 | 17,800 | 13,000 | 40,200 | 71,000 |  |
| 102 | Phlangdiloin | Shri Thomas Thongni | 3 | 2 | 5 | 1 | 0.5 | 1.5 | 1 | 5,000 | 10,000 | 45,000 | 60,000 |  |
| 103 | Phlangdiloin | Shri Kyntiewkupar Thongni | 2 | 2 | 4 | 0 | 1.5 | 1.5 | 0 | 0 | 3,000 | 42,000 | 45,000 |  |
| 104 | Phlangdiloin | Shri Tarcis Dkhar | 2 | 4 | 6 | 1 | 1 | 2 | 1 | 6,000 | 4,000 | 36,000 | 46,000 |  |
| 105 | Phlangdiloin | Shri Sorking Langrin | 2 | 2 | 4 | 2 | 3 | 5 | 2 | 11,800 | 22,200 | 10,000 | 44,000 |  |
| 106 | Phlangdiloin | Shri Phasterwell Imiong | 2 | 4 | 6 | 1 | 1 | 2 | 1 | 5,900 | 4,000 | 40,700 | 50,600 |  |
| 107 | Phlangdiloin | Shri Shngainkupar Syiemiong | 2 | 2 | 4 | 2 | 0 | 2 | 2 | 12,300 | 8,200 | 24,600 | 45,100 |  |
| 108 | Phlangdiloin | Shri Shembel Thongni | 2 | 3 | 5 | 1 | 1 | 2 | 1 | 6,000 | 8,000 | 58,000 | 72,000 |  |


| 109 | Phlangdiloin | Shri Sylvester Thongni | 2 | 4 | 6 | 1.5 | 1 | 2.5 | 1.5 | 6,200 | 4,200 | 66,000 | 76,400 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 110 | Phlangdiloin | Shri Primrose Thongni | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 5,700 | 3,300 | 24,000 | 33,000 |  |
| 111 | Phlangdiloin | Shri Standar Thongni | 3 | 4 | 7 | 2 | 1 | 3 | 2 | 12,100 | 6,700 | 48,200 | 67,000 |  |
| 112 | Phlangdiloin | Smt SukjailinThongni | 1 | 3 | 4 | 1 | 1 | 2 | 1 | 5,400 | 12,300 | 18,400 | 36,100 |  |
| 113 | Phlangdiloin | Shri Shainingstar Thongni | 2 | 3 | 5 | 3 | 1 | 4 | 3 | 17,000 | 8,000 | 30,000 | 55,000 |  |
| 114 | Phlangdiloin | Shri Romius Thongni | 1 | 0 | 1 | 1 | 2 | 3 | 1 | 5,000 | 3,000 | 28,000 | 36,000 |  |
| 115 | Phlangdiloin | Shri Micheal J Myrthong | 2 | 3 | 5 | 1 | 0 | 1 | 1 | 5,200 | 4,600 | 1,20,000 | 1,29,800 |  |
| 116 | Phlangdiloin | Shri Khlainborlang Myrthong | 2 | 2 | 4 | 2 | 1 | 3 | 2 | 12,000 | 5,000 | 52,000 | 69,000 |  |
| 117 | Phlangdiloin | Smt Natalis S Marngar | 2 | 4 | 6 | 1.5 | 1 | 2.5 | 1.5 | 7,500 | 10,300 | 38,200 | 56,000 |  |
| 118 | Phlangdiloin | Shri Dishon Shangrit | 2 | 3 | 5 | 1.5 | 1 | 2.5 | 1.5 | 9,000 | 7,000 | 40,000 | 56,000 |  |
| 119 | Phlangdiloin | Smt Christine Damon Blah | 2 | 1 | 3 | 1 | 1 | 1 | 0.5 | 6,000 | 8,500 | 48,000 | 62,500 |  |
| 120 | Phlangdiloin | Shri Gilbert S Lyngdoh | 2 | 1 | 3 | 2 | 2 | 1 | 1 | 12,400 | 9,000 | 30,000 | 51,400 |  |
| 121 | Phlangdiloin | Shri Jamborlin Shangrit | 2 | 1 | 3 | 2 | 2 | 1 | 1 | 12,000 | 11,000 | 28,000 | 51,000 |  |
| 122 | Phlangdiloin | Shri Bryllen Henry Syiemiong | 2 | 2 | 4 | 1 | 15 | 1.5 | 1 | 6,000 | 36,000 | 2,800 | 44,800 |  |
|  |  | Total | 271 | 429 | 690 | 315.5 | 210.5 | 496 | 246 | 2393896 | 1523212 | 4629613 | 8534399 |  |


| Sl. <br> No. | Name of the village | Name of the Head of the Family | Total no of Adult | Total no of Minor | Total includin g head of family | Ownership of land in Ha |  |  | Total Area under cultivati on at present | Total annual Income(inRupees) |  |  | Total annual Income | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Cultivabl e land | Non cultivab le land | Total area |  | Agricul ture | Livesto ck | Labour/B ussiness |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Pyndensynia | Alexander Thongni | 2 | 6 | 8 | 2 | 1.5 | 3.5 | 3.5 | 45,000 | 10,000 | 25,000 | 80,000 |  |
| 2 | Pyndensynia | Thessoloni Thongni | 3 | 1 | 4 | 3.5 | 1.5 | 4.5 | 1 | 30,000 | 2000 | 15,000 | 65,000 |  |
| 3 | Pyndensynia | Mackdonal Lyngdoh | 3 | 7 | 10 | 2 | 2 | 4 | 1 | 10,000 | 1,000 | 1,40,000 | 1,51,000 |  |
| 4 | Pyndensynia | Budman Nongsiang | 5 | 1 | 6 | 3 | 2 | 5 | 2 | 30,000 | 2,000 | 1,22,000 | 1,54,000 |  |
| 5 | Pyndensynia | Amos Thongni | 6 | 3 | 9 | 5 | 1 | 6 | 2 | 25,000 |  | 30,000 | 55,000 |  |
| 6 | Pyndensynia | Plistarwell Thongni | 4 | 4 | 8 | 1 | 0.5 | 1.5 | 1 | 25,000 | 5,000 | 30,000 | 55,000 |  |
| 7 | Pyndensynia | Dinilsing Lyngdoh | 2 | 3 | 5 | 0.5 | 0.5 | 1 | 0.5 | 20,000 | 10,000 | 40,000 | 70,000 |  |
| 8 | Pyndensynia | Nedy Thongni | 2 | 0 | 2 | 0.5 | 0.5 | 1 | 0.5 | 20,000 | 10,000 | 10,000 | 40,000 |  |
| 9 | Pyndensynia | Antis Thongni | 2 | 3 | 5 |  |  |  |  |  |  | 50,000 | 50,000 |  |
| 10 | Pyndensynia | Starwein Sangriang | 2 | 3 | 5 | 2 | 1 | 3 | 1 | 10,000 | 5,000 | 1,40,000 | 1,55,000 |  |
| 11 | Pyndensynia | Maksaldis Thongni | 4 | 1 | 5 | 3 | 1 | 4 | 2 | 50,000 | 1,000 | 30,000 | 81,000 |  |
| 12 | Pyndensynia | Philisila Syiemiong | 3 | 3 | 6 | 3 | 1 | 4 | 2 | 50,000 | 20,000 | 30,000 | 1,00,000 |  |
| 13 | Pyndensynia | Yusta Sangriang | 2 | 6 | 8 | 2 | 2 | 4 | 2 | 20,000 | 1,000 | 1,60,000 | 1,81,000 |  |
| 14 | Pyndensynia | Belnile Thongni | 2 | 1 | 3 | 2 | 1 | 3 | 0.5 | 10,000 | 1,000 | 40,000 | 51,000 |  |


| 15 | Pyndensynia | Orisha Thongni | 2 | 1 | 3 | 2 | 1 | 3 | 0.5 | 10,000 |  | 20,000 | 30,000 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16 | Pyndensynia | Yonderking Lyngdoh | 6 | 6 | 12 | 1 | 0.5 | 1.5 | 1 | 40,000 | 1,000 | 20,000 | 61,000 |  |
| 17 | Pyndensynia | Sunitalin Tongni | 1 | 1 | 2 | 1 | 0.5 | 1.5 | 1 | 30,000 |  | 15,000 | 45,000 |  |
| 18 | Pyndensynia | Annebasant Thongni | 2 | 2 | 4 | 1 | 1.5 | 2.5 | 1 | 20,000 |  | 20,000 | 40,000 |  |
| 19 | Pyndensynia | Krinshon Nonglang | 5 | 4 | 9 | 4 |  | 4 | 1.5 | 10,000 | 2,000 | 30,000 | 42,000 |  |
| 20 | Pyndensynia | Tiewruby Syrman | 1 | 5 | 6 | 2 |  | 2 | 0.5 | 3,000 |  | 36,000 | 39,000 |  |
| 21 | Pyndensynia | Tendis Syrman | 2 | 3 | 5 | 2 |  | 2 | 0.5 | 3,000 |  | 36,000 | 39,000 |  |
| 22 | Pyndensynia | Evangelin S Lyngdoh | 2 | 3 | 5 | 2 |  | 2 | 0.5 | 8,000 | 1,500 | 25,000 | 34,500 |  |
| 23 | Pyndensynia | Skatklip K Syrman | 2 | 6 | 8 | 4 |  | 4 | 1.5 | 10,000 | 3,000 | 40,000 | 53,000 |  |
| 24 | Pyndensynia | Fuljohn L Langrin | 2 | 4 | 6 | 1 | 0.5 | 1.5 | 0.5 | 30,000 | 1,000 | 22,000 | 53,000 |  |
| 25 | Pyndensynia | Baldestar K Syrman | 2 | 2 | 4 |  |  |  |  |  |  | 25,500 | 25,500 |  |
| 26 | Pyndensynia | Drastowell Thongni | 4 | 3 | 7 | 2 |  | 2 | 1 | 44,000 | 8,000 | 21,000 | 73,000 |  |
| 27 | Pyndensynia | Paswell Lyngdoh | 3 | 5 | 8 | 3 |  | 3 | 1 | 1,500 | 1,000 | 23,000 | 25,000 |  |
| 28 | Pyndensynia | Mestonath K Lyngdoh | 3 | 4 | 7 | 3 |  | 3 | 1.5 | 18,500 | 700 | 50,000 | 69,200 |  |
| 29 | Pyndensynia | Ediltrodis L Shiji | 3 | 0 | 3 |  |  |  |  |  |  | 28,300 | 28,300 |  |
| 30 | Pyndensynia | Water Marngar | 3 | 3 | 3 | 2 | 3 | 5 | 3 | 10,000 | 2,000 | 10,000 | 22,000 |  |
| 31 | Pyndensynia | Nerius Thongni | 2 | 5 | 7 | 2 | 3 | 5 | 2 | 10,000 | 1,000 | 1,000 | 21,000 |  |
| 32 | Pyndensynia | Aitihun Syiemiong | 2 | 1 | 3 |  |  |  |  |  | 2,000 | 10,000 | 12,000 |  |
| 33 | Pyndensynia | Disiphul Lyngdoh | 2 | 3 | 5 | 2 | 2 | 4 | 1 | 2,500 | 2,000 | 11,000 | 15,500 |  |
| 34 | Pyndensynia | Pynshailang Syiemiong | 2 | 4 | 6 | 2 | 1 | 3 | 1 | 5,000 |  | 10,000 | 15,000 |  |
| 35 | Pyndensynia | Drabat Marngar | 2 | 6 | 8 | 1 | 3 | 4 | 1 | 10,000 | 1,000 | 20,000 | 31,000 |  |
| 36 | Pyndensynia | Nerius Iawphniaw | 2 | 3 | 5 | 1 | 2 | 3 | 1 | 10,000 | 2,000 | 3,000 | 15,000 |  |
| 37 | Pyndensynia | Plaster Syiemiong | 3 | 4 | 7 | 2 | 5 | 7 | 2 | 35,000 | 15,000 | 40,000 | 90,000 |  |
| 38 | Pyndensynia | Mostonon Nongphlang | 2 | 7 | 9 | 6 | 4 | 10 | 2 | 40,000 | 3,000 | 40,000 | 1,10,000 |  |
| 39 | Pyndensynia | Kwerning K Bani | 2 | 7 | 9 |  |  |  |  |  | 2,500 | 27,000 | 29,500 |  |
| 40 | Pyndensynia | Reshelin Thongni | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 3,000 |  | 10,000 | 13,000 |  |
| 41 | Pyndensynia | Hainulist Thongni | 4 | 8 | 12 | 1 | 2 | 3 | 1 | 40,000 |  | 20,000 | 60,000 |  |
| 42 | Pyndensynia | Phidalis Syiemiong | 1 |  | 1 | 3 | 2 | 5 | 1 | 2,000 |  | 10,000 | 12,000 |  |
| 43 | Pyndensynia | Biolin Nongphlang | 1 | 4 | 5 | 2 | 2 | 4 | 3 | 40,000 | 1,500 | 40,000 | 81,500 |  |
| 44 | Pyndensynia | Sunilsingh Lyngdph | 2 | 2 | 4 | 3 | 2 | 5 | 2 | 15,000 | 10,000 | 20,000 | 45,000 |  |
| 45 | Pyndensynia | Darihun Myrthong | 2 | 1 | 3 | 2 | 3 | 5 | 2 | 10,000 | 15,000 | 30,000 | 55,000 |  |
| 46 | Pyndensynia | Baiamon Lyngdoh | 1 |  | 1 | 3 | 2 | 5 | 3 | 15,000 | 1,000 | 40,000 | 65,000 |  |
| 47 | Pyndensynia | Bakar Thongni | 4 | 5 | 9 | 3 | 4 | 7 | 1 | 30,000 | 4,000 | 50,000 | 84,000 |  |
| 48 | Pyndensynia | Herbest Nongphlang | 5 | 1 | 6 | 8 | 2 | 10 | 4 | 80,000 | 12,000 | 25,000 | 1,17,000 |  |
| 49 | Pyndensynia | Pauljinstar Nonglang | 2 | 4 | 6 | 3 | 2 | 5 | 1.5 | 30,000 |  | 30,000 | 60,000 |  |
| 50 | Pyndensynia | Drepstarwell Thongni | 2 | 2 | 4 | 2 |  | 2 | 0.5 | 3,000 |  | 47,000 | 50,000 |  |
| 51 | Pyndensynia | Elinking S Lyngdoh | 2 | 1 | 3 | 1 |  | 1 | 0.5 | 3,000 |  | 47,000 | 50,000 |  |
| 52 | Pyndensynia | Sirinus S Lyngdoh | 3 | 3 | 6 | 7 | 1 | 8 | 2 | 10,000 | 2,000 | 50,000 | 62,000 |  |
| 53 | Pyndensynia | Srildaris S Lyngdoh | 2 | 6 | 8 | 2 |  | 2 | 1 | 5,000 |  | 1,20,000 | 1,25,000 |  |
|  |  | Total | 137 | 172 | 306 | 116.5 | 65.5 | 181.5 | 67.5 | 981500 | 162200 | 1984800 | 3186000 |  |


| Sl. <br> No. | Name of the village | Name of the Head of the Family | Total no of Adult | Total no of Minor | Total includin g head of family | Ownership of land in Ha |  |  | Total Area under cultivatio $n$ at present | Total annual Income(inRupees) |  |  | Total annual Income | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Cultivabl e land | Non cultivab le land | Total area |  | Agricul ture | Livest ock | Labour/B ussiness |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Phlangmawprah | Shri Skelly Thongni | 5 | 8 | 13 | 6 | 5 | 11 | 5 | 30,000 |  |  | 80,000 |  |
| 2 | Phlangmawprah | Shri Braitstar Nonglang | 2 | 3 | 5 | 2 | 1 | 3 | 2 | 15,000 |  |  | 20,000 |  |
| 3 | Phlangmawprah | Smt Elmolin Thongni | 4 | 3 | 7 | 3 | 2 | 5 | 3 | 15,000 |  |  | 25,000 |  |
| 4 | Phlangmawprah | Shri Sharli Paliar | 2 |  | 2 | 1 | 1 | 2 | 2 | 10,000 |  |  | 15,000 |  |
| 5 | Phlangmawprah | Shri Swenderwell | 2 | 6 | 8 | 3 | 2 | 5 | 5 | 20,000 |  |  | 35,000 |  |
| 6 | Phlangmawprah | Shri Winningston Myrthong | 7 | 6 | 13 | 3 | 2 | 5 | 3 | 20,000 |  |  | 30,000 |  |
| 7 | Phlangmawprah | Shri Resterwell Thongni | 2 | 1 | 3 | 3 | 1 | 4 | 3 | 15,000 |  |  | 20,000 |  |
| 8 | Phlangmawprah | Shri Shemphang Syrman | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 10,000 |  |  | 20,000 |  |
| 9 | Phlangmawprah | Shri Besalin Wahlang | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 15,000 |  |  | 25,000 |  |
| 10 | Phlangmawprah | Shri Kyrmenskhem Myrthong | 4 | 5 | 9 | 6 | 4 | 10 | 6 | 40,000 |  |  | 50,000 |  |
| 11 | Phlangmawprah | Shri Stanley Rynkew | 3 | 1 | 4 | 4 | 2 | 6 | 4 | 30,000 |  |  | 35,000 |  |
| 12 | Phlangmawprah | Shri Lamborlang Warjri | 2 | 6 | 8 | 3 | 2 | 5 | 3 | 25,000 |  |  | 28,000 |  |
| 13 | Phlangmawprah | Shri Dromly Thongni | 6 | 3 | 9 | 4 | 2 | 6 | 4 | 25,000 |  |  | 30,000 |  |
| 14 | Phlangmawprah | Shri Sparlin Dkhar | 4 | 1 | 5 | 2 | 2 | 4 | 2 | 25,000 |  |  | 35,000 |  |
| 15 | Phlangmawprah | Shri Stendersis Thongni | 3 | 6 | 9 | 3 | 2 | 5 | 3 | 25,000 |  |  | 30,000 |  |
| 16 | Phlangmawprah | Shri Kwersing Thongni | 5 | 2 | 7 | 4 | 2 | 6 | 4 | 25,000 |  |  | 35,000 |  |
| 17 | Phlangmawprah | Shri Tluden Iawphniaw | 2 | 5 | 7 | 2 | 1 | 3 | 2 | 20,000 |  |  | 27,000 |  |
| 18 | Phlangmawprah | Smt Krisila Thongni | 2 | 1 | 3 | 4 | 2 | 4 | 6 | 25,000 |  |  | 30,000 |  |
| 19 | Phlangmawprah | Smt Kwersila K Lyngdoh | 3 | 3 | 6 | 3 | 2 | 5 | 3 | 20,000 |  |  | 25,000 |  |
| 20 | Phlangmawprah | Smt Trelbilen Thongni | 2 | 1 | 3 | 3 | 1 | 4 | 3 | 15,000 |  |  | 25,000 |  |
| 21 | Phlangmawprah | Shri Phomigstar K Lyngdoh | 3 | 5 | 8 | 3 | 1 | 3 | 4 | 20,000 |  |  | 30,000 |  |
| 22 | Phlangmawprah | Shri Mankupar Thongni | 5 | 6 | 11 | 3 | 2 | 3 | 5 | 20,000 |  |  | 60,000 |  |
| 23 | Phlangmawprah | Smt Prillida Thongni | 3 | 1 | 4 | 4 | 2 | 6 | 4 | 20,000 |  |  | 25,000 |  |
| 24 | Phlangmawprah | Shri Edius Paliar | 3 |  | 3 | 4 | 1 | 5 | 4 | 25,000 |  |  | 30,000 |  |
| 25 | Phlangmawprah | Shri Fulgenstar Thongni | 2 | 3 | 5 | 3 | 2 | 5 | 3 | 20,000 |  |  | 60,000 |  |
| 26 | Phlangmawprah | Shri Kyrmenskhem Syiemiong | 2 |  | 2 | 2 | 1 | 3 | 2 | 15,000 |  |  | 20,000 |  |
| 27 | Phlangmawprah | Shri Klephotstar Thongni | 3 | 6 | 9 | 4 | 2 | 6 | 4 | 20,000 |  |  | 30,000 |  |
| 28 | Phlangmawprah | Shri Phasborlin Nongpdem | 2 | 3 | 5 | 2 | 2 | 4 | 2 | 18,000 |  |  | 27,000 |  |
| 29 | Phlangmawprah | Shri Hapjonstar Thongni | 2 | 4 | 6 | 3 | 2 | 5 | 2 | 15,000 |  |  | 26,000 |  |



| $\begin{gathered} \text { Sl. } \\ \text { No. } \end{gathered}$ | Name of the village | Name of the Head of the Family | Total no of Adult | Total no of Minor | Total includin g head of family | Ownership of land in Ha |  |  | Total Area under cultivatio $n$ at present | Total annual Income(inRupees) |  |  | Total annual <br> Income | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Cultivabl e land | Non cultivab le land | Total area |  | $\begin{aligned} & \text { Agricul } \\ & \text { ture } \end{aligned}$ | Livest ock | Labour/B ussiness |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Nongmluh | Shri Klinilishon Nonglang | 2 | 5 | 7 |  |  |  |  |  |  |  |  |  |
| 2 | Nongmluh | Shri Syndarson K Lyngdoh | 2 | 5 | 7 | 3 | 3 | 6 | 3 | 15,000 | 700 | 10,000 | 25,700 |  |
| 3 | Nongmluh | Shri Groslan Nonglang | 3 | 2 | 5 | 4 | 40 | 44 | 3 | 20,000 | 2,000 | 10,000 | 32,000 |  |
| 4 | Nongmluh | Shri Goldenstar Marshra | 2 | 2 | 4 | 2 | 25 | 27 | 2 | 4,000 | 0 | 10,000 | 14,000 |  |
| 5 | Nongmluh | Shri Biangborlin Nonphlang | 2 | 1 | 3 | 2 | 10 | 12 | 2 | 5,000 | 0 | 11,000 | 16,000 |  |
| 6 | Nongmluh | Smt Joycy Marshra | 1 | 1 | 2 | 1 | 5 | 6 | 1 | 4,000 | 0 | 10,000 | 14,000 |  |
| 7 | Nongmluh | Shri Limowell Syiemiong | 2 | 6 | 8 | 3 | 15 | 18 | 3 | 6,000 | 500 | 12,000 | 18,500 |  |
| 8 | Nongmluh | Smt Kmencydaris Marshra | 2 | 0 | 2 | 1 | 6 | 7 | 1 | 3,000 | 0 | 11,000 | 14,000 |  |
| 9 | Nongmluh | Shri Blesstarrose Shangdiar | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 1,000 | 300 | 12,500 | 13,800 |  |
| 10 | Nongmluh | Shri Lepdingroy Marshra | 3 | 6 | 9 | 2 | 23 | 25 | 2 | 10,000 | 0 | 10,000 | 20,000 |  |
| 11 | Nongmluh | Shri Bilonoro Wahlang | 4 | 5 | 9 | 3 | 25 | 28 | 3 | 8,000 | 500 | 12,000 | 20,500 |  |
| 12 | Nongmluh | Shri Drolly Nongsiej | 2 | 5 | 7 | 1 | 10 | 11 | 1 | 3,000 | 0 | 10,000 | 13,000 |  |
| 13 | Nongmluh | Shri Wilcomfort Nongrem | 2 | 3 | 5 | 2 | 15 | 17 | 2 | 5,000 | 500 | 10,000 | 15,000 |  |
| 14 | Nongmluh | Smt Dralin Nonglang | 3 | 3 | 6 | 2 | 20 | 22 | 2 | 6,000 | 0 | 10,000 | 16,000 |  |
| 15 | Nongmluh | Shri Meshalroy Dkhar | 2 | 3 | 5 | 1 | 9 | 10 | 1 | 5,000 | 0 | 10,000 | 15,000 |  |
| 16 | Nongmluh | Shri Shainingstar Marshra | 2 | 2 | 4 | 3 | 30 | 33 | 3 | 5,000 | 0 | 10,000 | 15,000 |  |
| 17 | Nongmluh | Shri Ebires Nongphlang | 2 | 1 | 3 | 1 | 5 | 6 | 1 | 4,000 | 0 | 10,000 | 14,000 |  |
| 18 | Nongmluh | Smt Plentina Nonglang | 1 | 0 | 1 | 1 | 2 | 3 | 1 | 5,000 | 500 | 10,000 | 15,500 |  |
| 19 | Nongmluh | Shri Moskinglan Nonglang | 2 | 5 | 7 | 2 | 4 | 6 | 2 | 6,000 | 800 | 12,500 | 19,300 |  |
| 20 | Nongmluh | Shri Roslanduroy Marshra | 2 | 5 | 7 | 4 | 30 | 34 | 4 | 9,500 | 500 | 10,000 | 20,000 |  |
| 21 | Nongmluh | Shri Knipskiran Marshra | 2 | 4 | 6 | 2 | 18 | 20 | 2 | 6,000 | 500 | 12,000 | 18,500 |  |
| 22 | Nongmluh | Shri Lumlang Wahlang | 2 | 3 | 5 | 2 | 3 | 5 | 2 | 10,000 | 0 | 10,000 | 20,000 |  |


| 23 | Nongmluh | Smt Sermoris Marshra | 2 | 1 | 3 | 6 | 25 | 31 | 6 | 6,000 | 1,000 | 10,000 | 17,000 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 24 | Nongmluh | Shri Gasparwell Dkhar | 4 | 2 | 7 | 5 | 25 | 30 | 5 | 5,000 | 500 | 10,000 | 15,000 |  |
| 25 | Nongmluh | Shri Columbus L Marshillong | 2 | 4 | 6 | 6 | 20 | 26 | 6 | 6,000 | 500 | 20,000 | 26,500 |  |
| 26 | Nongmluh | Shri Sebingker Mawlot | 2 | 4 | 6 | 3 | 22 | 25 | 3 | 5,000 | 0 | 10,000 | 15,000 |  |
| 27 | Nongmluh | Shri Phrangstul Syiemiong | 1 | 3 | 4 | 1 | 13 | 14 | 1 | 6,000 | 0 | 11,000 | 17,000 |  |
| 28 | Nongmluh | Shri Elingstar Thongni | 2 | 7 | 9 | 1 | 2 | 3 | 1 | 3,000 | 1,000 | 10,000 | 14,000 |  |
| 29 | Nongmluh | Shri Umiar Syiemiong | 2 | 1 | 3 | 2 | 25 | 27 | 2 | 5,000 | 0 | 10,000 | 15,000 |  |
| 30 | Nongmluh | Smt Ebina Marshra | 4 | 3 | 7 | 5 | 30 | 35 | 5 | 6,000 | 0 | 11,000 | 17,000 |  |
| 31 | Nongmluh | Smt Kyntinghai Syiemiong | 2 | 2 | 4 | 3 | 10 | 13 | 3 | 5,000 | 0 | 10,000 | 15,000 |  |
| 32 | Nongmluh | Smt Shalbis Nonglang | 1 | 3 | 4 | 2 | 13 | 15 | 2 | 5,000 | 1,000 | 10,000 | 16,000 |  |
| 33 | Nongmluh | Smt Daplin Syiemiong | 2 | 0 | 2 | 2 | 8 | 10 | 2 | 5,000 | 0 | 10,000 | 15,000 |  |
| 34 | Nongmluh | Shri Morningstar Syiemiong | 2 | 1 | 3 | 1 | 6 | 7 | 1 | 4,000 | 0 | 10,000 | 14,000 |  |
| 35 |  | Total | 73 | 99 | 173 | 80 | 498 | 578 | 79 | 201500 | 10800 | 355000 | 566300 |  |


| SI. <br> No. | Name of the village | Name of the Head of the Family | Total no of Adult | Total no of <br> Minor | Total includin g head of family | Ownership of land in Ha |  |  | Total Area under cultivati on at present | Total annual Income(inRupees) |  |  | Total annual Income | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Cultivabl e land | Non cultivab le land | Total area |  | Agricul ture | Livesto ck | Labour/B ussiness |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Mawmynsor | Shri Fulbingstar Nonglang | 6 | 2 | 8 | 6 | 6 | 12 | 5 | 10,000 | 15,000 | 15,000 | 40,000 |  |
| 2 | Mawmynsor | Shri Mechalcalin Thongni | 5 | 2 | 7 | 2 | 2 | 4 | 2 | 8,000 | 3,000 | 14,000 | 25,000 |  |
| 3 | Mawmynsor | Shri Dillingstar Lyngkhoi | 4 | 2 | 6 | 4 | 3 | 7 | 2 | 10,000 | 5,000 | 15,000 | 30,000 |  |
| 4 | Mawmynsor | Shri Khrandar Thongni | 7 | 2 | 9 | 2 | 1 | 3 | 1.5 | 10,000 | 5,000 | 13,000 | 28,000 |  |
| 5 | Mawmynsor | Shri Oldingstar Lyngkhoi | 4 | 2 | 6 | 3 | 1 | 4 | 1 | 8,000 | 8,000 | 10,000 | 26,000 |  |
| 6 | Mawmynsor | Shri Wosking Nonglang | 1 | 0 | 1 | 3 | 2 | 5 | 2 | 14,000 | 3,000 | 8,000 | 25,000 |  |
| 7 | Mawmynsor | Shri Coles Paliar | 5 | 2 | 7 | 1 | 1 | 2 | 1 | 15,000 | 10,000 | 10,000 | 35,000 |  |
| 8 | Mawmynsor | Shri Tailos Lyngkhoi | 6 | 2 | 8 | 2 | 0.5 | 2.5 | 1.5 | 10,000 | 10,000 | 15,000 | 35,000 |  |
| 9 | Mawmynsor | Shri Astringwell Kharsaw | 6 | 2 | 8 | 3 | 2 | 5 | 2.5 | 12,000 | 8,000 | 10,000 | 30,000 |  |
| 10 | Mawmynsor | Smt Hammong Nonglang | 5 | 1 | 6 | 1 | 1 | 2 | 1 | 9,000 | 5,000 | 11,000 | 25,000 |  |
| 11 | Mawmynsor | Smt Bresphinda Nonglang | 5 | 1 | 6 | 1 | 1 | 2 | 1 | 7,000 | 6,000 | 7,000 | 20,000 |  |
| 12 | Mawmynsor | Smt Dilidi Nonglang | 2 | 2 | 4 | 2 | 0.5 | 2.5 | 1.5 | 11,000 | 9,000 | 10,000 | 30,000 |  |
| 13 | Mawmynsor | Smt Philidaris Nonglang | 4 | 2 | 6 | 4 | 1 | 0.5 | 1 | 12,000 | 8,000 | 10,000 | 35,000 |  |
| 14 |  | Total | 60 | 22 | 82 | 34 | 22 | 51.5 | 23 | 136000 | 95000 | 148000 | 384000 |  |


| $\begin{gathered} \text { Sl. } \\ \text { No. } \end{gathered}$ | Name of the village | Name of the Head of the Family | Total no of Adult | Total no of Minor | Total includin g head of family | Ownership of land in Ha |  |  | Total Area under cultivati on at present | Total annual Income(inRupees) |  |  | Total annual Income | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Cultivabl e land | Non cultivab le land | Total area |  | $\begin{aligned} & \text { Agricul } \\ & \text { ture } \end{aligned}$ | Livesto ck | Labour/B ussiness |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Mawthungmlang | Shri Brindabon Marshra | 3 | 5 | 8 | 3 | 1.5 | 3 | 1.5 | 30,000 | 20,000 | 25,000 | 75,000 |  |
| 2 | Mawthungmlang | Shri Akelius Paliar | 2 | 12 | 14 | 2 | 1 | 2 | 1 | 25,000 | 18,000 | 23,000 | 67,000 |  |
| 3 | Mawthungmlang | Shri Geinliwel Dkhaar | 2 | 6 | 8 | 2 | 1 | 2 | 1 | 27,000 | 19,000 | 24,000 | 70,000 |  |
| 4 | Mawthungmlang | Shri Jonawel Paliar | 2 | 2 | 4 | 1.5 | 1 | 1.5 | 0.5 | 20,000 | 16,000 | 15,000 | 51,000 |  |
| 5 | Mawthungmlang | Shri Sunningstar Thongni | 2 | 6 | 8 | 3 | 1.5 | 3 | 1.5 | 25,000 | 18,000 | 18,000 | 61,000 |  |
| 6 | Mawthungmlang | Shri Piswel Thongni | 2 | 7 | 9 | 3 | 1.5 | 3 | 1.5 | 25,000 | 19,000 | 18,000 | 62,000 |  |
| 7 | Mawthungmlang | Shri Loskingdor Dkhar | 2 | 10 | 12 | 3 | 1.5 | 3 | 1.5 | 25,000 | 20,000 | 20,000 | 65,000 |  |
| 8 | Mawthungmlang | Smt Kelina Kharsaw | 1 | 6 | 7 | 2 | 1 | 2 | 1 | 20,000 | 15,000 | 16,000 | 51,000 |  |
| 9 | Mawthungmlang | Shri Brelding Turnia | 2 | 8 | 10 | 4 | 3 | 4 | 1 | 40,000 | 30,000 | 27,000 | 97,000 |  |
| 10 | Mawthungmlang | Shri Melkhie Paliar | 2 | 4 | 6 | 2 | 1.5 | 2 | 0.5 | 25,000 | 20,000 | 18,000 | 63,000 |  |
| 11 | Mawthungmlang | Shri Khoslan Thongni | 2 | 6 | 8 | 2 | 1 | 2 | 1 | 20,000 | 18,000 | 15,000 | 53,000 |  |
| 12 | Mawthungmlang | Smt Drelsila Thongni | 1 | 6 | 7 | 3 | 2 | 3 | 1 | 30,000 | 25,000 | 20,000 | 75,000 |  |
| 13 | Mawthungmlang | Smt Mildaris Thongni | 1 | 3 | 4 | 2 | 1.5 | 2 | 0.5 | 25,000 | 20,000 | 18,000 | 62,000 |  |
| 14 | Mawthungmlang | Smt Joycyful Thongni | 1 | 9 | 10 | 3 | 2 | 3 | 1 | 30,000 | 25,000 | 20,000 | 75,000 |  |
| 15 | Mawthungmlang | Shri Khrimly Dkhar | 2 | 6 | 8 | 2 | 1.5 | 2 | 0.5 | 28,000 | 20,000 | 19,000 | 67,000 |  |
| 16 | Mawthungmlang | Shri Tiri Lyngkhoi | 2 | 4 | 6 | 2 | 1 | 2 | 1 | 20,000 | 18,000 | 15,000 | 53,000 |  |
| 17 | Mawthungmlang | Shri Shemphang Nongphlang | 2 | 6 | 8 | 3 | 2 | 3 | 1 | 30,000 | 25,000 | 20,000 | 75,000 |  |
| 18 | Mawthungmlang | Shri Orentis Lyngkhoi | 2 | 4 | 6 | 4 | 3 | 7 | 1 | 50,000 | 35,000 | 30,000 | 1,15,000 |  |
| 19 | Mawthungmlang | Shri Blostar Nonglang | 2 | 3 | 5 | 2 | 1.5 | 2 | 0.5 | 27,000 | 20,000 | 18,000 | 65,000 |  |
| 20 | Mawthungmlang | Shri Smeling Marngar | 4 | 6 | 10 | 4 | 3 | 4 | 1 | 40,000 | 30,000 | 20,000 | 90,000 |  |
| 21 | Mawthungmlang | Shri Nostar Thongni | 2 | 13 | 15 | 4 | 3 | 4 | 1 | 40,000 | 32,000 | 25,000 | 97,000 |  |
| 22 | Mawthungmlang | Shri Chanborlein Thongni | 2 | 7 | 9 | 3 | 2 | 3 | 1 | 35,000 | 30,000 | 25,000 | 90,000 |  |
| 23 | Mawthungmlang | Shanbor Riamsiej | 2 | 4 | 6 | 2 | 1.5 | 2 | 0.5 | 25,000 | 20,000 | 18,000 | 63,000 |  |
| 24 | Mawthungmlang | Smt Ridalin Thongni | 2 | 4 | 6 | 2 | 1 | 2 | 1 | 23,000 | 18,000 | 16,000 | 57,000 |  |
| 25 | Mawthungmlang | Phaitdalin Thongni | 2 | 3 | 5 | 1 | 0.5 | 1 | 0.5 | 25,000 | 18,000 | 16,000 | 59,000 |  |
| 26 | Mawthungmlang | Alda symber | 2 | 1 | 3 | 1 | 0.5 | 1 | 0.5 | 24,000 | 19,000 | 18,000 | 61,000 |  |
| 27 | Mawthungmlang | Darisha Thongni | 2 | 2 | 4 | 1 | 0.5 | 1 | 0.5 | 25,000 | 18,000 | 16,000 | 59,000 |  |
| 28 | Mawthungmlang | Iarlinda Kharsaw | 1 | 2 | 3 | 1 | 0.5 | 1 | 0.5 | 24,000 | 19,000 | 18,000 | 65,000 |  |
| 29 | Mawthungmlang | Pherda Thongni | 1 | 4 | 5 | 3 | 2 | 3 | 1 | 27,000 | 20,000 | 18,000 | 65,000 |  |
| 30 | Mawthungmlang | Gospar Hyniewta | 2 | 4 | 6 | 3 | 2 | 3 | 1 | 30,000 | 25,000 | 20,000 | 75,000 |  |
| 31 |  | Total | 57 | 163 | 220 | 73.5 | 46.5 | 76.5 | 27 | 840000 | 650000 | 589000 | 2083000 |  |


| Sl. <br> No. | Name of the village | Name of the Head of the Family | Total no of Adult | Total no of <br> Minor | Total includin g head of family | Ownership of land in Ha |  |  | Total Area under cultivati on at present | Total annual Income(inRupees) |  |  | Total annual Income | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Cultivabl e land | Non cultivab le land | Total area |  | Agricul ture | Livesto ck | Labour/B ussiness |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Mawphansaw | Braitkingstar Thongni | 2 | 5 | 7 | 3 | 1.5 | 3 | 1.5 | 30,000 | 20,000 | 25,000 | 75,000 |  |
| 2 | Mawphansaw | Goldenstar Imiong | 2 | 6 | 8 | 4 | 3 | 4 | 1 | 40,000 | 30,000 | 27,000 | 97,000 |  |
| 3 | Mawphansaw | Astolin Syiemiong | 1 | 4 | 5 | 2 | 1 | 2 | 1 | 20,000 | 18,000 | 15,000 | 53,000 |  |
| 4 | Mawphansaw | Noliroy k Lyngdoh | 2 | 3 | 5 | 4 | 3 | 4 | 1 | 40,000 | 30,000 | 27,000 | 97,000 |  |
| 5 | Mawphansaw | Shri Yusstar Paliar | 2 | 6 | 8 | 2 | 1 | 2 | 1 | 20,000 | 18,000 | 15,000 | 53,000 |  |
| 6 | Mawphansaw | Shri Vilalius Paliar | 2 | 2 | 4 | 1 | 0.5 | 1 | 0.5 | 25,000 | 18,000 | 16,000 | 54,000 |  |
| 7 | Mawphansaw | Smt Shainphyrnai Syiemiong | 1 | 1 | 2 | 1 | 0.5 | 1 | 0.5 | 25,000 | 18,000 | 15,000 | 53,000 |  |
| 8 | Mawphansaw | Smt Pasfulela Syiemiong | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 20,000 | 18,000 | 15,000 | 53,000 |  |
| 9 | Mawphansaw | Shri Stikshalrose Thongni | 2 | 2 | 4 | 3 | 3 | 6 | 1 | 30,000 | 25,000 | 20,000 | 75,000 |  |
| 10 | Mawphansaw | Shri Calton Kharkrang | 2 | 3 | 5 | 1 | 0.5 | 1 | 0.5 | 25,000 | 18,000 | 15,000 | 53,000 |  |
| 11 | Mawphansaw | Smt Ritiful Syiemiong | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 23,000 | 18,000 | 16,000 | 57,000 |  |
| 12 | Mawphansaw | Shri Rester Well Thongni | 2 | 1 | 3 | 1 | 0.5 | 1 | 0.5 | 20,000 | 18,000 | 15,000 | 53,000 |  |
| 13 | Mawphansaw | Smt Kyntilin Syiemiong | 1 | 1 | 2 | 2 | 1.5 | 2 | 0.5 | 25,000 | 20,000 | 18,000 | 63,000 |  |
| 14 | Mawphansaw | Smt Baiamon Syiemiong | 2 | 1 | 3 | 3 | 2 | 3 | 1 | 30,000 | 25,000 | 20,000 | 75,000 |  |
| 15 | Mawphansaw | Smt Iban Syiemiong | 1 | 1 | 2 | 2 | 1.5 | 2 | 0.5 | 27,000 | 20,000 | 18,000 | 65,000 |  |
| 16 |  | Total | 25 | 38 | 63 | 33 | 21.5 | 36 | 12.5 | 400000 | 314000 | 277000 | 976000 |  |


| SI. <br> No. | Name of the village | Name of the Head of the Family | Total no of Adult | Total no of Minor | Total includin g head of family | Ownership of land in Ha |  |  | Total Area under cultivatio $n$ at present | Total annual Income(inRupees) |  |  | Total annual Income | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Cultivabl e land | Non cultivab le land | Total area |  | Agricult ure | Livesto ck | Labour/B ussiness |  |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | Thnangbyriang | Shri Ripphlingstar Nonglang | 2 | 2 | 4 | 2 | 1 | 3 | 1 | 30,000 | 20,000 | 25,000 | 75,000 |  |
| 2 | Thnangbyriang | Smt Priantina Syrman | 2 | 3 | 5 | 4 | 3 | 4 | 1 | 40,000 | 30,000 | 30,000 | 1,00,000 |  |
| 3 | Thnangbyriang | Shri Gearayan Nonglang | 2 | 3 | 5 | 2 | 1 | 2 | 1 | 20,000 | 19,000 | 20,000 | 50,000 |  |
| 4 | Thnangbyriang | Shri Korsing Marshra | 2 | 1 | 3 | 4 | 3 | 4 | 1 | 60,000 | 40,000 | 25,000 | 1,25,000 |  |
| 5 | Thnangbyriang | Shri Lasting Kharsaw | 2 | 6 | 8 | 3 | 2 | 3 | 1 | 20,000 | 30,000 | 25,000 | 75,000 |  |
| 6 | Thnangbyriang | Shri Orkhenal Syrman | 2 | 0 | 2 | 2 | 1.5 | 2 | 0.5 | 30,000 | 25,000 | 18,000 | 74,000 |  |
| 7 | Thnangbyriang | Smt mulkera Syrman | 2 | 6 | 8 | 3 | 2 | 3 | 1.5 | 40,000 | 30,000 | 35,000 | 1,05,000 |  |
| 8 | Thnangbyriang | Shri Rikheres Syrman | 2 | 7 | 9 | 1 | 0.5 | 1 | 0.5 | 22,000 | 20,000 | 20,000 | 62,000 |  |
| 9 | Thnangbyriang | Shri Harninotis Nonglang | 2 | 4 | 6 | 4 | 3 | 4 | 1 | 51,000 | 18,000 | 30,000 | 99,000 |  |
| 10 | Thnangbyriang | Shri Kyrmenskhem Nonglang | 2 | 1 | 3 | 1 | 0.5 | 1 | 0.5 | 18,000 | 32,000 | 22,000 | 72,000 |  |
|  |  | Total | 20 | 33 | 53 | 26 | 16.5 | 27 | 9 | 3,31,000 | 2,64,000 | 2,50,000 | 8,45,000 |  |

## ANNEXURE III

# MODEL NORMS PER HECTARE FOR AGRO - HORTICULTURE WITH CITRUS FRUIT 

 (INTEGRATED WATERSHED MANAGEMENT PROGRAMME)(Rate as per PWD, SOR for R\&B 2008-2009)

$$
\text { Spacing } \quad-8 m \times 6.3 m
$$

Plant Density - 200Nos
A. Preliminary works
I. Site clearance
$\begin{aligned} & 3 \text { mandays @ Rs.100/- per manday } \\ & \text { II. Pit digging (pit size } 0.45 \mathrm{~m} \times 0.45 \mathrm{~m} \times 0.45 \mathrm{~m}) \\ & \text { 200Nos. @ Rs.5/- each }\end{aligned}$
Total
Rs. 1300.00
B. First year Planting
I. Cost of planting materials

200 Nos. @ Rs.15/- each
II. Cost of planting 200 Nos. @ Rs. 3/- each - Rs. 600.00
III. Weeding two times

20 mandays @ Rs.100/- per manday - Rs.2000.00
Second year Planting
I. Refilling vacancy ( $10 \%$ )

Rs. 360.00
II. Weeding two times

20 mandays @ Rs.100/- per manday - Rs.2000.00
III Plant protection measures including
$\begin{array}{ccc} & - & \text { Rs. } 340.00 \\ \text { Total } & - & \text { Rs. } 2700.00\end{array}$
Grand Total $\mathrm{A}+\mathrm{B}+\mathrm{C}=$ Rs. $1300.00+$ Rs. $4600.00+$ Rs. $2700.00=$ Rs. 8600.00
(Rupees Eight thousand six hundred ) only.

Spacing $6 \mathrm{~m} \times 5.5 \mathrm{~m}$
Plant Density - 300 Nos.
B. Preliminary works
J. Jungle clearance etc. 5 mandays @ Rs.100/- per manday

Rs. $\quad 500.00$
II. Pit digging (pit size $0.30 \mathrm{~m} \times 0.30 \mathrm{~m} \times 0.30 \mathrm{~m}$ ) 300 Nos. @ Rs.4/- each - $\quad \frac{\text { Rs. } 1200.00}{\text { Rs. } 1700.00}$
B. First year Planting
I. Cost of planting materials 300 Nos. @ Rs.8/- each

Rs. 2400.00
II. Cost of planting 300 Nos. @ Rs. 2/- each

Rs. 600.00
III. Weeding two times 20 mandays
@ Rs.100/- per manday
Rs. 2000.00
IV. Fire protection measures 5 mandays @ Rs.100/- per manday - Rs. 500.00
C. Second year Planting
I. Vacancy refilling (10\%) - Rs. 400.00
II. Weeding two times 20 mandays @ Rs.100/- per manday

Rs. 2000.00
III. Fire protection measures 5 mandays @ Rs.100/- per manday $\quad$ Total $\quad-\quad \frac{\text { Rs. } 500.00}{\text { Rs. } 2900.00}$

Grand Total A+B+C = Rs. $1700.00+$ Rs. $5500.00+$ Rs. $2900.00=$

Spacing $6 \mathrm{~m} \times 5.5 \mathrm{~m}$
Plant Density - 300 Nos.
C. Preliminary works
K. Jungle clearance etc. 5 mandays @ Rs.100/- per manday

Rs. 500.00
II. Pit digging (pit size $0.30 \mathrm{~m} \times 0.30 \mathrm{~m} \times 0.30 \mathrm{~m}$ ) 300 Nos. @ Rs.4/- each - $\quad \frac{\text { Rs. } 1200.00}{\text { Rs. } 1700.00}$
B. First year Planting
I. Cost of planting materials 300 Nos. @ Rs.8/- each

Rs. 2400.00
II. Cost of planting 300 Nos. @ Rs. 2/- each

Rs. 600.00
III. Weeding two times 20 mandays
@ Rs.100/- per manday
Rs. 2000.00
IV. Fire protection measures 5 mandays @ Rs.100/- per manday - Rs. 500.00
C. Second year Planting
I. Vacancy refilling (10\%) - Rs. 400.00
II. Weeding two times 20 mandays @ Rs.100/- per manday

Rs. 2000.00
III. Fire protection measures
5 mandays @ Rs.100/- per manday $\quad$ Total $\quad-\quad \frac{\text { Rs. } 500.00}{\text { Rs. } 2900.00}$

Grand Total A+B+C = Rs. $1700.00+$ Rs. $5500.00+$ Rs. $2900.00=$
D. Preliminary works
L. Site clearance

3 mandays @ Rs.100/- per manday - Rs. 300.00
II. Pit digging (pit size $0.30 \mathrm{~m} \times 0.30 \mathrm{~m} \times 0.30 \mathrm{~m}$ ) 100 Nos. @ Rs.4/- each

|  | - | Rs. 400.00 |
| :--- | :--- | :--- |
| Total | - | Rs. 700.00 |

B. First year Planting
I. Cost of planting materials 100 Nos. @ Rs.8/- each

Rs. 800.00
II. Cost of planting 100 Nos. @ Rs. 2/- each

Rs. 200.00
III. Round Weeding around the plant four times 5 mandays @ Rs.100/- per manday

Rs. 500.00
V. Fire protection measures 4 mandays @ Rs.100/- per manday - $\quad$ Rs. 400.00
C. Second year Planting
I. Refilling vacancy ( $10 \%$ )

Rs. 100.00
III. Round Weeding around the plant four times 5 mandays @ Rs.100/- per manday

Rs. 500.00
III. Fire protection measures 4 mandays @ Rs.100/- per manday - Rs. 400.00

Grand Total A+B+C = Rs. $700.00+$ Rs. $1900.00+$ Rs. $1000.00=\quad$ Rs. 3600.00

# COST NORMS FOR IMPROVEMENT OF EXISTING PADDY FIELD 

 (INTEGRATED WATERSHED MANAGEMENT PROGRAMME)A. MARGINAL BUND:
$50 \times \underline{0.40+0.70}$
$2 \times 0.60$
$=\quad-\quad$ Rs. $15.50 \mathrm{~m}^{3}$
B. SHOULDER BUND:
$1 / 3$ (a) Earthwork in excavation etc. in ordinary soil
10 nos $\times 50 \times \underline{0.50+0.30}$
Land leveling L.S
@ Rs. 26.00/-per m ${ }^{3}$

$=\quad$| - Rs. $100.00 \mathrm{~m}^{3}$ |
| :--- |
| $=$ |
| $\quad-$ Rs. $50.00 \mathrm{~m}^{3}$ |
| - Rs. 166.5 |

- Rs. 166.5

|  |  |  |
| :--- | :--- | :--- |
| Total | $=$ | - |
|  | $=$ | - Rs. 4329.00 |
|  | Say 4329.00 |  |
|  |  | Rs. $4,300.00$ |

(Rupees Four Thousand three hundred) only.

Spacing 6 m from plant to plant
Plant Density - 2.5 from roe to row
E. Preliminary works
M. Jungle clearance etc.
2 mandays @ Rs.100/- per manday - Rs. 200.00
II. Pit digging (pit size $0.30 \mathrm{~m} \times 0.30 \mathrm{~m} \times 0.30 \mathrm{~m}$ ) 134 Nos. @ Rs.4/- each - $\quad \frac{\text { Rs. } 536.00}{\text { Rs. } 736.00}$
B. First year Planting
I. Cost of planting materials 134 Nos. @ Rs.8/- each - Rs. 1072.00
II. Cost of planting 134 Nos. @ Rs. 2/- each - Rs. 268.00
III. Weeding two times 6 mandays @ Rs.100/- per manday - Rs. 600.00
IV. Fire protection measures 4 mandays @ Rs.100/- per manday - Rs. 400.00
C. Second year Planting
I. Vacancy refilling (10\%) - Rs. 190.00
II. Weeding two times 6 mandays @ Rs.100/- per manday

Rs. 600.00
III. Fire protection measures 4 mandays @ Rs.100/- per manday

Rs. $\quad 400.00$
Rs. 1190.00
Grand Total A+B+C=Rs.736.00 + Rs. $2340.00+$ Rs. $1190.00=$ Rs. 4266.00
(Rupees Ten thousand one hundred) only.

## COST NORMS FOR EARTHEN CONTOUR BUND

## (INTEGRATED WATERSHED MANAGEMENT PROGRAMME)

(Rate as per PWD, SOR for R\&B 2008-09)
A. CONTOUR BUNDS SPECIFICATION \& COSTS

| Top Width | = | 0.5 m |
| :---: | :---: | :---: |
| Bottom Width | = | 1.0 m |
| Height | = | 0.77 m |
| Spacing | $=$ | 20 m |
| Total length | = | $5 \times 100 \mathrm{~m}=500 \mathrm{~m}$ |
| 1/3 (a) Earthwork in excavation etc. in ordinary soil etc |  |  |
| $500 \mathrm{~m} \times \underline{0.5+1.0} \mathrm{~m}$ |  |  |
| $\begin{gathered} 2 \quad \times 0.77=288.5 \mathrm{~m}^{3} \\ @ \text { Rs. } 26.00 /-\mathrm{m}^{3} \end{gathered}$ | = | Rs 7500.00 |
| Total | = | Rs 7500.00 |

## COST NORMS FOR CROP DEMONSTRATION

## (INTEGRATED WATERSHED MANAGEMENT PROGRAMME)

(Rate as per PWD, SOR for R\&B 2008-09)
Crop Demonstration
Sl.No Item of Works
1 Soil working and cost of sowing - 5 Mandays @ Rs 100./- Mdays
Rs 500.00

2 Cost of seeds for 4 varieties @ Rs 300/variety/Kg
Rs 1200.00
3 Organic manure
Rs 500.00
4 Watering including implements (pipe etc) Rs 1500.00
5 Plant protection including hand sprayers Rs 800.00
6 Mulching (winter crop to conserve moisture)/weeding/intercultural operation

## COST NORMS FOR EARTHEN PERIPHERAL BUNDING WITH LIVE VEGETATION PER METRE

 (INTEGRATED WATERSHED MANAGEMENT PROGRAMME)(Rate as per PWD, SOR for R\&B 2008-09)
A. PERIPHERAL BUNDS SPECIFICATION \& COSTS

| Top Width | $=1.0 \mathrm{~m}$ |
| :--- | :--- | :--- |
| Bottom Width | $=1.2 \mathrm{~m}$ |
| Height | $=1.0 \mathrm{~m}$ |

1/3 (a) Earthwork in excavation etc. in ordinary soil etc
$1.0 \mathrm{~m} \times \frac{1.0+1.2}{2} \times 1.0=1.0 \mathrm{~m}^{3}$
@ Rs. 39.00/- m ${ }^{3}$
$=\quad$ Rs 43.00
2. Supllying and planting of live hedges on to of bunds with local shrubs/cutting etc.

Per Running metre in L.S
Total
$=\quad$ Rs 7.00
$=\quad$ Rs 50.00
(Rupees Fifty) only

## CONTRIBUTOR'S LIST

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[^0]:    *Source: Economic and Statistic, Meghalaya

