# DISTRICT IRRIGATION PLAN

# UPPER SIANG, ARUNACHAL PRADESH

**NABARD CONSULTANCY SERVICES PVT. LTD.**

# District Irrigation Plan, 2015-2020
# Upper Siang, Arunachal Pradesh

**NABARD CONSULTANCY SERVICES PVT. LTD.**

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## Foreword by DLIC

**DLIC MEMBERS CERTIFICATION**

This is to certify that the DIP of Upper Siang District under PMKSY has been prepared by NABARD Consultancy Services in coordination with all line Departments of PMKSY and other allied member representatives. The Strategic Action Plan and other data submitted by our Department to NABCONS has been suitably incorporated in the DIP and authenticated by us as correct.

In view of the above, our Department has no objection if the Chairman and Member-Secretary of PMKSY, Upper Siang District has approved the DIP.

**DDA Agriculture** 25/4/2017

**Executive Engineer, WRD** 25/04/2017

**DHO, Horticulture** I/C 25/4/17

I/C **PD, DRDA** 25/4/17

# FOREWORD

*Water is vital for human and animal life and for maintaining ecological balance for developmental efforts. With the ever-increasing demand for water due to population growth, urbanization and industrialization, making water available for multiple uses in an economical and optimal manner assumes great significance. Against the above backdrop, Government of India formulated PMKSY with the vision of extending the coverage of irrigation ("Har Khet Ko Pani") and improving water-use efficiency (More Crop Per Drop) in a focused manner with end-to-end solution on water resource creation, distribution, management, field application and extension activities. Under PMKSY, an integrated planning and management of water resources has been envisaged through estimation of water budget for each of the districts and sub-districts and preparation of strategic action plan to address the water gap through District Irrigation Plans (DIPs).*

*PMKSY will be implemented only in an area development mode by adopting a decentralized State level planning and project execution structure that will allow States to draw up their own irrigation development plans based on DIPs and SIPs with a horizon of 5-7 years.*

*This District Irrigation Plan has been prepared based on an assessment of water resource availability and demand for water resource from multiple users, present and future water balance at block and district levels and multiple strategies to augment water resources and improve efficiency of existing water facilities through Strategic Action Plan under PMKSY.*

*Preparation of the District Irrigation Plan (DIP) required coordinated efforts by multiple stakeholders and departments. The efforts made by the Department of Agriculture, which is the nodal Department for implementation of PMKSY, WRD, Horticulture Department, District Rural Development Agency (DRDA) as also the support received from NABARD Consultancy Services (NABCONS) in preparation of the District Irrigation Plan of Upper Siang, District of Arunachal Pradesh is duly acknowledged.*

*The total financial outlay under the Scheme for Upper Siang District is **Rs. 78270.95 lakh**.*

*After threadbare discussion, the District Level Implementation Committee **(DLIC)** unanimously accepted and approved the planned outlay of **Rs.78270.95 lakh** under the PMKSY for 05 Years (**2015 to 2020**).*

25/4/17

***(Shri Remo kamki)***
*Deputy Commissioner cum Chairman, PMKSY*
*Upper Siang District*
*Arunachal Pradesh*

Deputy Commissioner
Upper Siang District
Yingkiong

OFFICE OF THE DEPUTY COMMISSIONER
YINGKIONG, (A.P.)
UPPER SIANG DISTRICT

# CERTIFICATE

This is to certify that District Irrigation Plan (DIP) for Upper Siang District, Arunachal Pradesh has been prepared by the NABCONS in collaboration with the DLIC as per the operational Guidelines of PMKSY issued by the Ministry of Agriculture Cooperation and Farmers Welfare, Govt. of India, in the year 2015-2016. The DIP is approved and hereby vetted through DLIC.

25/4/17

*(Shri Remo Kamki)*
*Deputy Commissioner-cum-Chairman*
*DLIC, PMKSY*
*Upper Siang District*
*Arunachal Pradesh*

Deputy Commissioner
Upper Siang District
Yingkiong

25/04/2017

*(AD PANGAM)*
*DDA -cum-Member Secretary*
*DLIC, PMKSY*
*Upper Siang District*
*Arunachal Pradesh*

Director-Cum-PD ATMA
Upper Siang Distt
Yingkiong

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# ABBREVIATION

| | |
|---|---|
| AIBP | Accelerated Irrigation Benefits Programme |
| ATMA | Agriculture Technology Management Agency |
| BCM | Billion Cubic Meters |
| Bgl | Below ground Level |
| BPL | Below Poverty Line |
| C & RD Block | Community and Rural Development Block |
| CAD | Command Area Development |
| CADWM | Command Area Development and Water Management |
| CCA | Cultivable Command Area |
| C-DAP | Comprehensive State Agriculture Plan |
| CI | Cropping Intensity |
| DIP | District Irrigation Plan |
| DLIC | District Level Implementation Committee |
| DRDA | District Rural Development Agency |
| GCA | Gross Cropped Area |
| GIA | Gross Irrigated Area |
| GIS | Geographic Information System |
| GoI | Government of India |
| GoM | Government of Manipur |
| GEC | Ground Water Estimation Committee |
| HKKP | Har Khet Ko Pani |
| I&PH | Irrigation and Public Health Department |
| IWMP | Integrated Watershed Management Programme |
| kg/ha | Kilogram per hectare |
| LPD | Litre Per Day |
| LULC | Land Use/Land Cover |
| MCM | Million Cubic Meters |
| MGNREGA | Mahatma Gandhi National Rural Employment Guarantee Act |
| MI | Micro Irrigation |
| MIS | Management Information System |
| NABARD | National Bank for Agriculture and Rural Development |
| NHH | Number of Household |
| NITI Aayog | National Institution for Transforming India Aayog |
| NM | Number of Member |
| No. | Number |
| NRLM | National Rural Livelihoods Mission |
| NRM | Natural Resource Management |
| NSA | Net Sown Area |
| PRI | Panchayati Raj Institutions |
| Qtl/yr. | Quintal per year |
| RIDF | Rural Infrastructure Development Fund |
| RWD | Rural Work Department |
| SC/ST | Scheduled Caste/ Scheduled Tribe |

| | |
|---|---|
| SIP | State Irrigation Plan |
| SSI | Small Scale Industries |
| STP | Sewage Treatment Plant |
| SWMA | Supplementary Water Management Activities |
| TGA | Total Geographical Area |
| WRD | Water Resource Department |

# *Executive summary*

In an agrarian economy like India, agriculture utilizes the major share of country's exploitable water resources. Though the sector utilizes the maximum share of exploitable water resources, availability of the same at different locations to different extent makes it vital to adopt effective utilization of water through storage, channelizing and judicial use. At some places like Punjab and Haryana, the environmental and socio-economic rationale for this capture by the sector is now being questioned. Accordingly, it is needed to challenge and change the fundamentals of the prevailing view of water resources exploitation. A new and more suitable approach to water resources allocation is necessary if the population is to be adequately fed, without further degradation and destruction of the critical ecosystem services. Water productivity needs to be enhanced considerably, and economic cost-benefit analysis and pricing regimes can play a significant role in such a process. However, these economic measures will not be sufficient on their own. They will need to be buttressed by technological innovation and institutional changes in order to encourage a more equitable distribution of resources and to mitigate potential international conflicts across 'shared' water basins.

Water has unique characteristics that determine both its allocation and use as a resource by agriculture. Agricultural use of water for irrigation is itself contingent on land resources. In a situation of growing water scarcity and rising demands for non-agricultural (household and industrial) use of water, reassessment of sectoral allocations of water are inevitable. In developing countries, irrigated agriculture plays a vital role in contributing towards domestic food security and poverty alleviation. Therefore, achievement of these objectives is dependent on adequate allocations of water to agriculture. Justification of such allocations requires that irrigated agriculture be a cost-effective means of achieving stated political or social objectives, such as food security or poverty alleviation, and that all externalities be taken into account in the pricing mechanism. Improved allocation of irrigation water is required within the agriculture sectors in order to achieve greater efficiency in the use of irrigation water and existing irrigation infrastructure. Reallocation is also required in order to reduce waterlogging and salinization of irrigated land, to decrease the negative environmental impacts and other externalities of irrigation (caused by overextraction of groundwater and depletion and pollution of surface water).

Government of India launched Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) to address the constraints in providing assured irrigation as well as increasing efficiency and productivity of current water use to bring more prosperity to the rural areas. Priorities of Government of India were reflected in the Hon'ble President's address to the joint Session of the Parliament of 16th Lok Sabha where he indicated that "Each drop of water is precious. Government is committed to giving high priority to water security. It will complete the long pending irrigation projects on priority and launch the 'Pradhan Mantri Krishi Sinchayee Yojana' with the motto of 'Har Khet Ko Pani'. There is a need for seriously considering all options including linking of rivers, where feasible; for ensuring optimal use of our water resources to prevent the recurrence of floods and drought. By harnessing rain water through 'Jal Sanchay' and 'Jal Sinchan', we will nurture water conservation and ground water recharge. Micro irrigation will be popularised to ensure 'Per drop-More crop".

PMKSY has been approved with an indicative outlay of Rs.50, 000 crore over a period of five years from 2015-16 to 2019-20. The programme is an amalgamation of on-going schemes of Ministry of Water Resources, River Development and Ganga Rejuvenation, Ministry of Agriculture & Cooperation and Ministry of Rural Development. The existing schemes AIBP, CADWM, MI, SWMA and Watershed & Convergence with MGNREGA were brought together under the umbrella program of PMKSY. Further the scheme seeks convergence with scheme like Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNRES), Rashtriya Krishi Vikas Yojana (RKVY), Jawaharlal Nehru National Solar Mission and Rural Electrification programmes (JLNNSM&REP), Rural Infrastructure Development Fund (RIDF), Members of Parliament Local Area Development Scheme (MPLAD), Members of Legislative Assembly Local Area Development Fund (MLALAD), Local Body Funds (LBF), Working Plan of State Forest Department (WPSFD) etc. The PMKSY will be implemented in an area development mode only by adopting a decentralized state level planning and projectised execution structure that will allow the state to draw up their own irrigation development plans based on DIPs and SIPs with a horizon of 5-7 years. The program will be supervised and coordinated utilizing the existing mechanism and structure available under Rashtriya Krishi Vikas Yojana (RKVY) program with state agriculture department acting as the State Nodal Agency for implementation of PMKSY. However, the implementing departments for the four components like AIBP,

PMKSY (Har Khet Ko Pani), PMKSY (Per drop more crop) and PMKSY (watershed development) will be decided by the respective program ministry/department.

The 05 chapters along with introduction chapter, explains the profile of district, its water requirement for agriculture and allied sector, water availability, assessment of water requirement for various sectors and strategic action plan for augmentation and effective management of available water resources.

**District Demography:** In 2011, Upper Siang had population of 35,320 of which male and female were 18,699 and 16,621 respectively. In 2001 census, Upper Siang had a population of 33,363 of which males were 18,057 and remaining 15,306 were females. There was change of 5.87 percent in the population compared to population as per 2001. In the previous census of India 2001, Upper Siang District recorded increase of 20.10 percent to its population compared to 1991.

**Agriculture in Upper Siang:** Cereals are the major crop among agricultural crops of the district. The area under cereals cultivation during 2015-16 was 5604.32 hectare which was around 55% of the total area under agricultural crops. Kharif is the main crop season for agricultural crops. Out of total 10191.93 hectare area under agriculture, 8633.95 hectare was cultivated during Kharif while 1557.98 hectare was cultivated during Rabi.

**District Water Profile:** Groundwater is available in all geological formations in the district depending upon their primary or secondary porosities, geomorphologic and hydrogeologic set up. GEC'97 couldn't adopt as the district area was more than 20% slope. Net annual Ground Water Draft is not available.

**Demand for water and the gap:** The total water gap for the district has been estimated at 119.75 MCM at present and 119.79 MCM during 2020 which indicates that the district is consuming more water than available water. However, in Singa Galling block, there is a negative gap (surplus) of 44.51 and 44.51 MCM in present which is a good condition.

**PMKSY Financial Proposal**: Total plan of Upper Siang district for five years works out to be **Rs. 78270.95 lakh** (Table 5-1). Maximum share of Rs. 60358.31 lakh (77%) is for WRD followed by Agriculture department with Rs. 8896.94 lakh (11%). Share of Horticulture and Rural Development (DRDA) department Rs. 595.20 lakh (1%) and Rs. 8420.50 lakh (11%) respectively.

# INTRODUCTION

## Background

Preparation of decentralized area specific district planning process visualized in various plans took concrete shape through the years and initiatives like specific guidelines on methodologies and processes for preparation of district plans; framework for preparation of perspective plan, medium term and annual plans by then planning commission in 1969 and the 73rd and 74th constitutional amendments conferring constitutional status to Panchayats at district and sub district level; local self-government in urban areas; constitution of district planning committee to consolidate the plans prepared at Panchayats and municipalities and prepare a draft development plan for the whole district.

The decentralized planning process was further strengthened through emphasis by planning commission on preparation of district level plans and making it an integral part of the process of preparation of the states 11th five year plan. The Planning commission issued guidelines in August 2006 for preparation of the district plans. The guidelines define the District Planning as 'the process of preparing an integrated plan for the local government sector in a district taking into account the resources (natural, human and financial) available and covering the sectoral activities and schemes assigned to the district level and below and those implemented through local governments in a state. The document that embodies this statement of resources and their allocation for various purposes is known as the District Plan".

Government of India through a resolution in National Development Council on 29th May 2007 conceived a special Additional Central Assistance Scheme (ACAS) to address the slow growth of agriculture and allied sectors by incentivizing states to draw up plans for their agriculture sectors more comprehensively. The NDC resolution states "GoI will introduce a new Additional Central Assistance Scheme to incentivize states to draw up plans for their agriculture sector more comprehensively, taking agro-climatic conditions, natural resource issues and technology into account, and integrating livestock, poultry and fisheries, etc. This will involve a new scheme for Additional Central Assistance (ACA) to State Plans, administered by the Union Ministry of Agriculture over and above its existing Centrally Sponsored Schemes, to supplement the State-

specific strategies including special schemes for beneficiaries of land reforms. The newly created National Rainfed Area Authority will, on request, assist States in planning for rainfed areas".

The NDC in its resolution advised the states to prepare a comprehensive district agriculture plans (C-DAP) that will fully utilize available resources and will include allied agriculture sectors. Further, GOI issued a manual on preparation of comprehensive district agriculture plans to help the states prepare C-DAP. As per these guidelines, the objective of district planning is 'to design an integrated and participatory action plan for the development of local area in general and agriculture and allied sectors in particular'. The objectives of Comprehensive District Agriculture Plan (C-DAP) are:

- To prepare a Comprehensive District Agriculture Plan (C-DAP) through participatory process involving various organisations and stakeholders.
- To enable optimum utilisation of scarce natural, physical & financial resources.
- To assess and plan for the infrastructure required to support the agriculture development.
- To establish linkages with the required institutional support services, like credit, technology transfer, ICT, research etc.
- To evolve an action plan for achieving sustainable agricultural growth with food security and cropping system that will improve farmers' income.

The guidelines required the state/district authorities to (i) ensure that the agricultural plans are prepared for the district and then integrated into the agricultural plans of the State based on the agro-climatic conditions, availability of technology, trained manpower and natural resources; (ii) local needs / crops / feed and fodder / animal husbandry / dairying / fisheries / priorities are reflected in the plan; (iii) productivity gaps for important crops and livestock and fisheries are reduced; and (iv) the returns to the farmers from these are maximized.

The latest move in the process of strengthening of decentralized planning process was the Government of India guidelines issued in 2015 in the form of a template for the preparation of District Irrigation Plan (DIP) and State Irrigation Plan (SIP) as part of the Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) program and made the preparation of DIP and SIP mandatory for the states to receive funds from the program. The present report is a product of these long drawn

efforts of Government of India to strengthen the decentralized planning process in the country focusing on the vital resource i.e., water.

Water is of vital importance for human & animal life, maintenance of ecological balance and promotion of developmental activities. Considering its vital importance and ever increasing demand for water, in the face of population growth, urbanization & industrialization and considerations of climatic change, making water, an increasingly a scarce resource, available to multiple uses, planning and management of this vital resources, utilization of water economically, optimally and equitably assumes greater importance.

According to the 12th Five year Plan the water budget estimates of India by Ministry of Water Resources suggests an availability of 1123 billion cubic meters (BCM) against a current estimated demand of 710 BCM. The Standing Committee of the Ministry of Water Resources estimates that this water demand will rise to 1093 BCM by 2025. Though the existing water availability in the immediate future seems to be adequate, with the near constant supply of water resources in the face of increasing demand on account of population growth, urbanisation and industrialization will strain the water supply-demand balance.

The per capita water availability which stood at 5,177 cubic meters in 1951 was reduced to 1820 cubic meters in 2001 while the international prescribed limit is 1800 cubic meters. The projected per capita availability of water is 1341 cubic meters in 2025 and 1140 cubic meters in 2050 suggesting shortage of water in the medium term[1]. Further, the all India water balance estimates does not reflect the variations in water balance across time and space- certain areas having a positive water balance and the others facing acute shortage. The problem is further accentuated by water quality related issues.

With the abundant surface and ground water supply in the first five decades since independence, more than 80 percent of the total available water resources were allocated for irrigation purposes and the rest meeting the domestic and industrial demands. In a recent study[2]on the demand for

[1]Ministry of Water Resources (2011), Strategic Plan for Ministry of Water Resources, Government of India, New Delhi.

[2]Amarasinghe, U.A., Shah T., Turral, H. and Anand, B.K. 2007. *India's water future to 2025-2050:Business-as-usual scenario and deviations*. Research Report 123, International Water Management Institute, Colombo.

water from agriculture, domestic and industrial uses in 2000, 2025 and 2050 seems to suggest that domestic demand (34 BCM in 2000, 66 BCM in 2025 and 101 BCM in 2050) and industrial demand (42 BCM in 2000, 92 BCM in 2025 and 161 BCM in 2050) for water will utilize the total balance water available while agriculture demand for water will be (605 BCM in 2000, 675 BCM in 2025 and 637 BCM in 2050). This change is partly because of the changing sectoral contributions of India's GDP and also partly because of dynamics of irrigation development in the country where the initial expansion in area under irrigation is propelled by the availability of abundant water resources and availability of good quality land. This is no longer the case in many of the states where the availability of land and water are serious constraints for further expansion of irrigation. Further, as per the erstwhile planning commission up to March 2012 out of 141 million hectares of net sown area in the country 114 (or 81%) million hectares is Irrigation Potential Created (IPC) and 88 (or 62%) million hectares is Irrigation Potential Utilised (IPU) leaving almost 20% of irrigated potential unutilized. This leaves 40 percent of the net sown area in the country dependent on rainfall which makes farming a high risk and less productive.

The competing demands for water resources and the emerging issues and concerns were to be addressed through certain basic principles and commonality in approaches in dealing with planning, development and management of water resources[3] under an Integrated Water Resource Management framework. The main objectives of water resource management as delineated in National Water Policy 2012 are:

a) Planning, development and management of water resources need to be governed by common integrated perspective considering local, regional, State and national context, having an environmentally sound basis, keeping in view the human, social and economic needs.
b) Principle of equity and social justice must inform use and allocation of water.
c) Good governance through transparent informed decision making is crucial to the objectives of equity, social justice and sustainability. Meaningful intensive participation, transparency and accountability should guide decision making and regulation of water resources.

[3]Ministry of Water Resources, National Water Policy, 2012, Government of India, New Delhi.

d) Water needs to be managed as a common pool community resource held, by the state, under public trust doctrine to achieve food security, support livelihood, and ensure equitable and sustainable development for all.

e) Water is essential for sustenance of eco-system, and therefore, minimum ecological needs should be given due consideration.

f) Safe Water for drinking and sanitation should be considered as pre-emptive needs, followed by high priority allocation for other basic domestic needs (including needs of animals), achieving food security, supporting sustenance agriculture and minimum eco-system needs. Available water, after meeting the above needs, should be allocated in a manner to promote its conservation and efficient use.

g) All the elements of the water cycle, i.e., evapo-transpiration, precipitation, runoff, river, lakes, soil moisture, and ground water, sea, etc., are interdependent and the basic hydrological unit is the river basin, which should be considered as the basic hydrological unit for planning.

h) Given the limits on enhancing the availability of utilizable water resources and increased variability in supplies due to climate change, meeting the future needs will depend more on demand management, and hence, this needs to be given priority, especially through (a) evolving an agricultural system which economizes on water use and maximizes value from water, and (b) bringing in maximum efficiency in use of water and avoiding wastages.

i) Water quality and quantity are interlinked and need to be managed in an integrated manner, consistent with broader environmental management approaches inter-alia including the use of economic incentives and penalties to reduce pollution and wastage.

j) The impact of climate change on water resources availability must be factored into water management related decisions. Water using activities need to be regulated keeping in mind the local geo climatic and hydrological situation.

Government of India launched Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) to address the constraints in providing assured irrigation as well as increasing efficiency and productivity of current water use to bring more prosperity to the rural areas. Priorities of Government of India were reflected in the Hon'ble President's address to the joint Session of the Parliament of 16$^{th}$ Lok Sabha where he indicated that "***Each drop of water is precious. Government is committed***

***to giving high priority to water security. It will complete the long pending irrigation projects on priority and launch the 'Pradhan Mantri Krishi Sinchayee Yojana' with the motto of 'Har Khet Ko Pani'. There is a need for seriously considering all options including linking of rivers, where feasible; for ensuring optimal use of our water resources to prevent the recurrence of floods and drought. By harnessing rain water through 'Jal Sanchay' and 'Jal Sinchan', we will nurture water conservation and ground water recharge. Micro irrigation will be popularised to ensure 'Per drop-More crop'***".

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The funds under this program would be provided to the states as per the pattern of assistance of Centrally Sponsored Schemes (CSS) decided by the Ministry of Finance and NITI Aayog. During 2015-16 the existing pattern of assistance of ongoing scheme was continued. An outlay of Rs. 50,000 crore has been approved for 2015-20. The financial assistance provided to the state

governments from this centrally sponsored scheme is subject to fulfillment of certain conditions.Firstly, a state will become eligible to access PMKSY fund only if it has prepared the District Irrigation Plans (DIP) and State Irrigation Plan (SIP), excepting for the initial year, and the expenditure in water resource development for agriculture sector in the year under consideration is not less than the baseline expenditure, which is defined as the average of the expenditure in irrigation sector irrespective of the department in the state plan in three years prior to the year under consideration. Secondly, States will be given additional weightage for levying charges on water and electricity for irrigation purposes, so as to ensure sustainability of the programme. Thirdly, interstate allocation of PMKSY fund will be decided based on

- Share of percentage of unirrigated area in the state vis-à-vis national average including prominence of areas classified under Desert Development Programme (DDP) and Drought Prone Area Development Programme (DPAP)
- Increase in percentage share of expenditure on water resource development for agriculture sector in State Plan expenditure in the previous year over three years prior to it and
- Improvement in irrigation efficiency in the state.

## Vision

The overreaching vision of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) will be to ensure access to some means of protective irrigation to all agricultural farms in the country, to produce ‘per drop more crop’, thus bringing much desired rural prosperity.

## Objective

The objectives of the PMKSY are to:

a) Achieve convergence of investments in irrigation at the field level (preparation of district level and, if required, sub district level water use plans).
b) Enhance the physical access of water on the farm and expand cultivable area under assured irrigation (Har Khet ko Pani),
c) Integration of water source, distribution and its efficient use, to make best use of water through appropriate technologies and practices.

d) Improve on-farm water use efficiency to reduce wastage and increase availability both in duration and extent,
e) Enhance the adoption of precision-irrigation and other water saving technologies (More crop per drop).
f) Enhance recharge of aquifers and introduce sustainable water conservation practices
g) Ensure the integrated development of rainfed areas using the watershed approach towards soil and water conservation, regeneration of ground water, arresting runoff, providing livelihood options and other NRM activities.
h) Promote extension activities relating to water harvesting, water management and crop alignment for farmers and grass root level field functionaries.
i) Explore the feasibility of reusing treated municipal waste water for peri-urban agriculture, and
j) Attract greater private investments in irrigation.

## Strategy/approach

To achieve these objectives PMKSY adopted strategies that include

a) Creation of new water sources; repair, restoration and renovation of defunct water sources; construction of water harvesting structures, secondary & micro storage, groundwater development, enhancing potentials of traditional water bodies at village level like Jal Mandir (Gujarat); Khatri, Kuhl (H.P.); Zabo (Nagaland); Eri, Ooranis (T.N.); Dongs (Assam); Katas, Bandhas (Odisha and M.P.) etc.
b) Developing/augmenting distribution network where irrigation sources (both assured and protective) are available or created;
c) Promotion of scientific moisture conservation and run off control measures to improve ground water recharge so as to create opportunities for farmers to access recharged water through shallow tube/dug wells;
d) Promoting efficient water conveyance and field application devices within the farm viz, underground piping system, Drip & Sprinklers, pivots, rain-guns and other application devices etc.;
e) Encouraging community irrigation through registered user groups/farmer producers' organisations/NGOs; and

f) Farmer oriented activities like capacity building, training and exposure visits, demonstrations, farm schools, skill development in efficient water and crop management practices (crop alignment) including large scale awareness on more crop per drop of water through mass media campaign, exhibitions, field days, and extension activities through short animation films etc.

## Programme Components

PMKSY has following four components:

**1. Accelerated Irrigation Benefit Programme (AIBP)** to focus on faster completion of ongoing Major and Medium Irrigation including National Projects.

**2. PMKSY (Har Khet ko Pani)**: This component focuses on-

a) Creation of new water sources through Minor Irrigation (both surface and ground water)
b) Repair, restoration and renovation of water bodies; strengthening carrying capacity of traditional water sources, construction rain water harvesting structures (Jal Sanchay);
c) Command area development, strengthening and creation of distribution network from source to the farm;
d) Ground water development in the areas where it is abundant, so that sink is created to store runoff/ flood water during peak rainy season.
e) Improvement in water management and distribution system for water bodies to take advantage of the available source which is not tapped to its fullest capacity (deriving benefits from low hanging fruits). At least 10% of the command area to be covered under micro/precision irrigation.
f) Diversion of water from source of different location where it is plenty to nearby water scarce areas, lift irrigation from water bodies/rivers at lower elevation to supplement requirements beyond IWMP and MGNREGS irrespective of irrigation command.
g) Creating and rejuvenating traditional water storage systems like Khatri, Kuhl etc. at feasible locations.

**3. PMKSY (Per Drop More Crop)**

a) Programme management, preparation of State/District Irrigation Plan, approval of annual action plan, Monitoring etc.

b) Promoting efficient water conveyance and precision water application devices like drips, sprinklers, pivots, rain-guns in the farm (Jal Sinchan);

c) Topping up of input cost particularly under civil construction beyond permissible limit (40%), under MGNREGS for activities like lining inlet, outlet, silt traps, distribution system etc.

d) Construction of micro irrigation structures to supplement source creation activities including tube wells and dug wells (in areas where ground water is available and not under semi critical/ critical/ over exploited category of development) which are not supported under AIBP, PMKSY (Har Khet ko Pani), PMKSY (Watershed) and MGNREGS as per Block/district irrigation plan.

e) Secondary storage structures at tail end of canal system to store water when available in abundance (rainy season) or from perennial sources like streams for use during dry periods through effective on-farm water management;

f) Water lifting devices like diesel/ electric/ solar pumpsets including water carriage pipes, underground piping system.

g) Extension activities for promotion of scientific moisture conservation and agronomic measures including cropping alignment to maximise use of available water including rainfall and minimise irrigation requirement (Jal Sarankchan);

h) Capacity building, training and awareness campaign including low cost publications, use of pico projectors and low cost films for encouraging potential use water source through technological, agronomic and management practices including community irrigation.

i) The extension workers will be empowered to disseminate relevant technologies under PMKSY only after requisite training is provided to them especially in the area of promotion of scientific moisture conservation and agronomic measures, improved/ innovative distribution system like pipe and box outlet system, etc. Appropriate Domain Experts will act as Master Trainers.

j) Information Communication Technology (ICT) interventions through NeGP-A to be made use in the field of water use efficiency, precision irrigation technologies, on farm water management, crop alignment etc. and also to do intensive monitoring of the Scheme.

**4. PMKSY (Watershed Development)**

a) Effective management of runoff water and improved soil & moisture conservation activities such as ridge area treatment, drainage line treatment, rain water harvesting, in-situ moisture conservation and other allied activities on watershed basis.
b) Converging with MGNREGS for creation of water source to full potential in identified backward rainfed Blocks including renovation of traditional water bodies

## Rationale/ Justification

In reference to the status and need of irrigation, the water resource management including irrigation related priorities was identified for Sirmour district by the peoples' representatives of district with support from administration and technical experts. For instance the reports of Strategic Research and Extension Plan (SREP) prepared under ATMA program, Comprehensive District Agriculture Plan (C-DAP) prepared as part of Rashtriya Krishi Vikas Yojana (RKVY), Potential Linked Credit Plans (PLP) of NABARD and the Integrated District Development Plan etc. identified number of irrigation related issues for Sirmour district including (i) promoting water use efficiency through sprinkler and drip irrigation; (iii) promoting protected polyhouse cultivation to minimize risk factors and enhance quality and productivity; (iv) Improvement of on-farm water delivery and efficiency of existing irrigation systems; (v) promotion of soil conservation of arable & non-arable land through engineering measures; (vi) creation of new water harvesting structures, check dams, ponds, tanks, etc (vii) increase the forest cover in the district and (viii) land improvement measures.

## Methodology

During the course of preparation of District Irrigation Plan (DIP) the team visited Upper Siang district to collect data and have interaction with all the stakeholders. Methodology adopted to prepare DIP is outlined in brief as under:

a) Collection of primary and secondary data from field from various sources including published documents and websites.

b) Various meetings were held to obtain ground level realities and data from key personnel/stakeholders through structured, unstructured interviews, focused group discussions etc.

c) Meetings with various State Government departments and related institutions were held

d) Meeting was also held with State Level authorities.

e) GIS maps of the areas/clusters were studied to understand the land morphology, topography of the district.

f) Focused group discussions and interaction with agriculture officers, horticulture officers, soil conservation officers, extension officers, rural development department, animal husbandry department, irrigation officers both at Blocks anddistrict level for identifying the key issues and focus areas of the region.

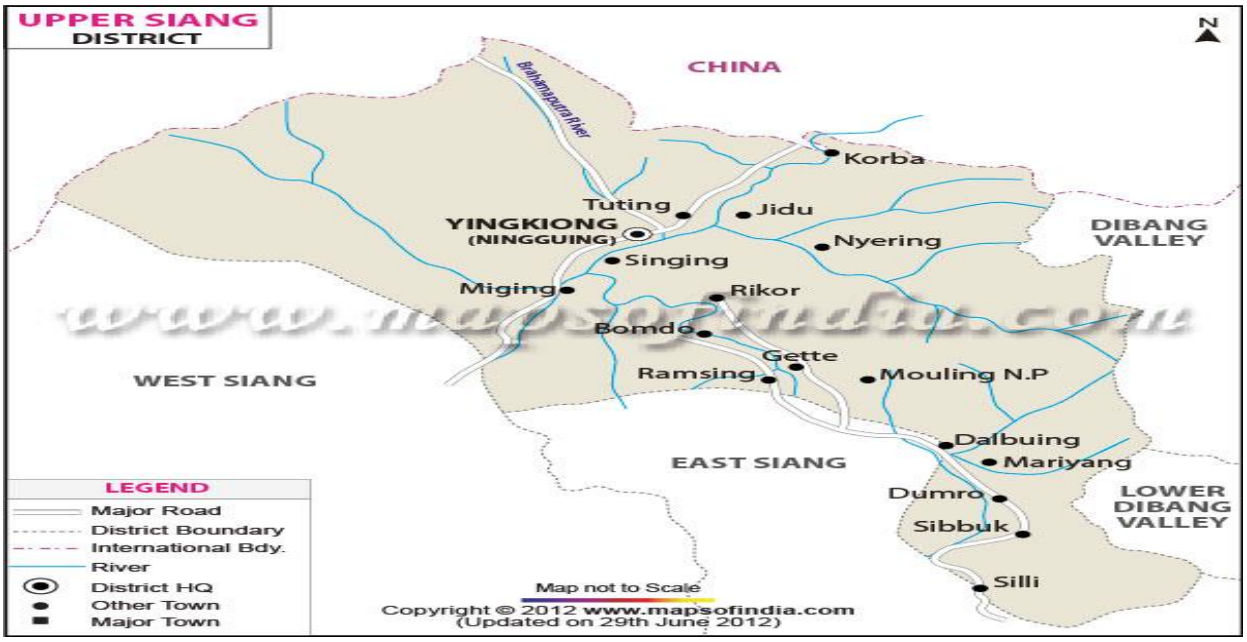
g) Discussion with NABARD officer of the district was also held during the visit.

On the basis of detailed discussion and analysis of data, the team arrived at the projections of various components of PMKSY and Department wise plan for four years from 2016-17 to 2019-20 as detailed in the plan.

# *Chapter 1 : General Information of the District*

## 1.1 District Profile

Upper Siang is an administrative district in the state of Arunachal Pradesh in India. It is the fourth least populous district in the country (out of 640). The district headquarters are located at Yingkiong and with geographical area of 6188 Sq Km, a veritable treasure house of nature in its full splendour, has 11 Administrative Circles with a total population of 33, 146 persons (2001 Census). It is a mountaineous region endowed with rich natural resources and biodiversity, deep gorges and fast flowing streams and rivulets, which form the tributaries of the mighty Siang River. It flows through the district running into Indian Territory at a point near Gelling in the Indo-China border. It is inhabited by Adi, Memba, Khamba and Idu Mishmi tribes who have been harmoniously living in the cradle of nature since time immemorial with colourful festivals / rituals like Solung, Aran, Reh, Lossar, Dihang, etc. It is a thinly populated hilly tract lying roughly between Latitude 28.758878° "N" and the Longitude 95.22667° "E". It is bounded by Upper & Lower Dibang Valley District in the East, East Siang in the South West, China (Tibet) in the North, West Siang in the West.




*Map 1: Location Map of district*

*Table 1.1 District Profile*

| S. No. | Name of the District | District Code | Latitude | Longitude |
|---|---|---|---|---|
| **1** | Upper Siang | 252 | Between 27.45"N and 28.13"N | Between 93.13"E and 94.36"E |

## Brief History of the District

Upper Siang District came into existence on 23rd November, 1994. It is a thinly populated hilly tract lying roughly between Latitude 28.758878° "N" and the Longitude 95.22667° "E" Comprising roughly 6590 squares kilometer area. It is bounded by Upper & Lower Dibang Valley District in the East, East Siang in the South West, China (Tibet) in the North, West Siang in the West. The Upper Siang District is wild mountainous area and presents a remarkable topo-graphical variety. The mighty Siang River flows through this District via East Siang District which joins the Brahmaputra in the Plains of Assam. There are several tributaries of Siang River among which Yamne, Nyigeng, Yembung are worth mentioning.

The history of Upper Siang can be traced back to the time when Arunachal Pradesh remained as an independent area without any administrative control till the Anglo-Burmese War in 1826-61 and declared as a conquered territory by the British and came under non-regulated area between1826-61.

The Arunachal also remained as a part of Bengal until a separate post of Chief Commissioner was created and scheduled district regulation was passed in 1874. The Arunachal acquired an identity when it was separated from Assam with the name North-East Frontier Tract (NEFT) after the Govt. of India, Foreign & Political Department Notification of 1914. Consequently, the present area under Upper Siang became part of the Central Section of the NEFT under the Administrative Control of Political Officer.

In 1919, the Central Section along with the Eastern Section of the same tract was renamed as Sadiya Frontier Tract with its headquarters at Sadiya. In 1948, Sadiya Frontier Tract was bifurcated into two separate areas with Administrative Charges, namely Abor Hills District and Mishmi Hills District.

After India's Independence, Arunachal was under Part-"B" of the 6th Scheduled of the Constitution of India as part of Assam. The area further became North-East Frontier Agency (NEFA) in 1951 and was reconstituted under NEFA (Administrative) Regulation in 1954 and

subsequently scheduled as part of Assam during 1950-65 wherein Abor Hills District was renamed as Siang Frontier Division.

In 1965, when the responsibility of NEFA Administration was transferred to the Ministry of Home Affairs (as per recommendation of the Daying Ering Commission), the Siang Frontier division was renamed as Siang District and Political officer was redesignated as Deputy Commissioner with its headquarters at Along.

In 1980, the Siang District was bifurcated into East Siang and West Siang District. The present area of Upper Siang remained under East Siang district with its headquarters at Pasighat. Finally on the 23rd November, 1994, Upper Siang was carved-out of East Siang district with its headquarters at Yingkiong.

Local Administrative set up is an old age tradition wherein traditional village Councils managed the overall administration of the village. Cadastral survey has not been done so far in Arunachal Pradesh and revenue system in the village has not been introduced as yet. As such each area with locally recognized boundaries is considered as a village.

As regard the composition of the people, the District is predominantly inhabited by the Scheduled Tribes of Arunachal Pradesh. Adis are the main Tribe of the District followed by Membas, Khambas and Mishmis. The Adis with its Sub-Tribes, like Pasi, Padam, Pangi, Komkar Simong, Tangam Karkoi, and Milang are main inhabitants of this District.

## Administrative set up

Upper Siang District came into being as a new District in the year 1994 carving out from East Siang District under the notification by the Govt. of Arunachal Pradesh dated 23rd November, 1994.

After the formation of Upper Siang District the following administrative Units have come under its control.

1. Yingkiong
2. Gelling
3. Singa
4. Mariyang
5. Palling
6. Jengging
7. Tuting

8. Geku

9. Miging

10. Katan

Three Sub-divisions were created under Upper Siang District. The subdivisions are Yingkiong, Mariyang and Tuting. The entire district is under the charge of the Deputy Commissioner, who happens to be the administrative and judicial head so far as the district is concerned. He is assisted by number of Additional Deputy Commissioners, Sub-divisional Officers, Extra Assistant Commissioners and Circle Officers. The sub-divisions are headed by Subdivisional Officer, who are directly responsible to the Deputy Commissioner.

The lowest administrative unit is a Circle, which is looked after by a Circle Officer. A Circle can be defined as a group of villages and not as a territorial unit. These villages have their own customary administrative systems in the form of traditional village councils.

The Panchayat Raj System was introduced in the district with the North East Frontier Agency (Panchayat Raj) Regulation, 1967 and continued till 1998. At present this system is not in operation.

At the time of conducting the 2011 Census, following administrative setup was in operation in the district:

*Table 1.2 Breif Information about District*

| District | Sub-Division | Circle | | Village |
|---|---|---|---|---|
| **UPPER SIANG** | Yingkiong Sub Division | 1 | Jengging | 13 |
| | | 2 | Yingkiong | 7 |
| | Tuting SubDivision | 1 | Tuting | 20 |
| | | 2 | Gelling | 6 |
| | | 3 | Singa | 14 |
| | | 4 | Migging | 5 |
| | | 5 | Paling | 5 |
| | Mariyang Sub Division | 1 | Mariyang | 17 |
| | | 2 | Geku | 13 |
| | | 3 | Katan | 8 |
| | | 4 | Mopom (Adi Pasi) | 4 |
| | 3 | 11 | | 112 |

Source: Census of India, Upper Siang, 2011

## 1.2 District Demography

An official Census 2011 detail of Upper Siang, a district of Arunachal Pradesh has been released by Directorate of Census Operations in Arunachal Pradesh. Enumeration of key persons was also done by census officials in Upper Siang District of Arunachal Pradesh.

In 2011, Upper Siang had population of 35,320 of which male and female were 18,699 and 16,621 respectively. In 2001 census, Upper Siang had a population of 33,363 of which males were 18,057 and remaining 15,306 were females.

There was change of 5.87 percent in the population compared to population as per 2001. In the previous census of India 2001, Upper Siang District recorded increase of 20.10 percent to its population compared to 1991.

*Table 1.3 Demography of District*

| Name of the Blocks | Population | | | | ST | | General | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **M** | **F** | **CH** | **Total** | **NHH** | **NM** | **NHH** | **NM** | **NHH** | **NM** |
| Tuting | 3903 | 2774 | 901 | 6677 | 997 | 4971 | 250 | 1706 | 1247 | 6677 |
| Singa-Gelling | 888 | 880 | 237 | 1768 | 251 | 1413 | 82 | 355 | 333 | 1768 |
| Yingkiong | 1017 | 1016 | 254 | 2033 | 449 | 1986 | 18 | 47 | 467 | 2033 |
| Jengging | 1821 | 1472 | 364 | 3293 | 551 | 2061 | 317 | 1232 | 868 | 3293 |
| Geku | 3751 | 3638 | 1278 | 7389 | 1300 | 6955 | 127 | 434 | 1427 | 7389 |
| Mariyang | 3955 | 3665 | 1069 | 7620 | 1251 | 7112 | 136 | 508 | 1387 | 7620 |
| Urban Area | 3,364 | 3,176 | 885 | 6,540 | 904 | 3970 | 691 | 2570 | 1595 | 6,540 |
| **Grand Total** | **18699** | **16621** | **4988** | **35320** | **5703** | **28468** | **1621** | **6852** | **7324** | **35320** |

Source: Census of India, Upper Siang, 2011

*M- Male, F- Female, CH- Children 0-14 years, NHH- No. of households, NM- No. of members

Mariyang Block is the most populated block of the district whereas Singa- Gelling has lowest population. Same trend exists in population density of the Blocks. Upper Siang has a sex ratio of 889 females for every 1000 males and a literacy rate of 59.94%.

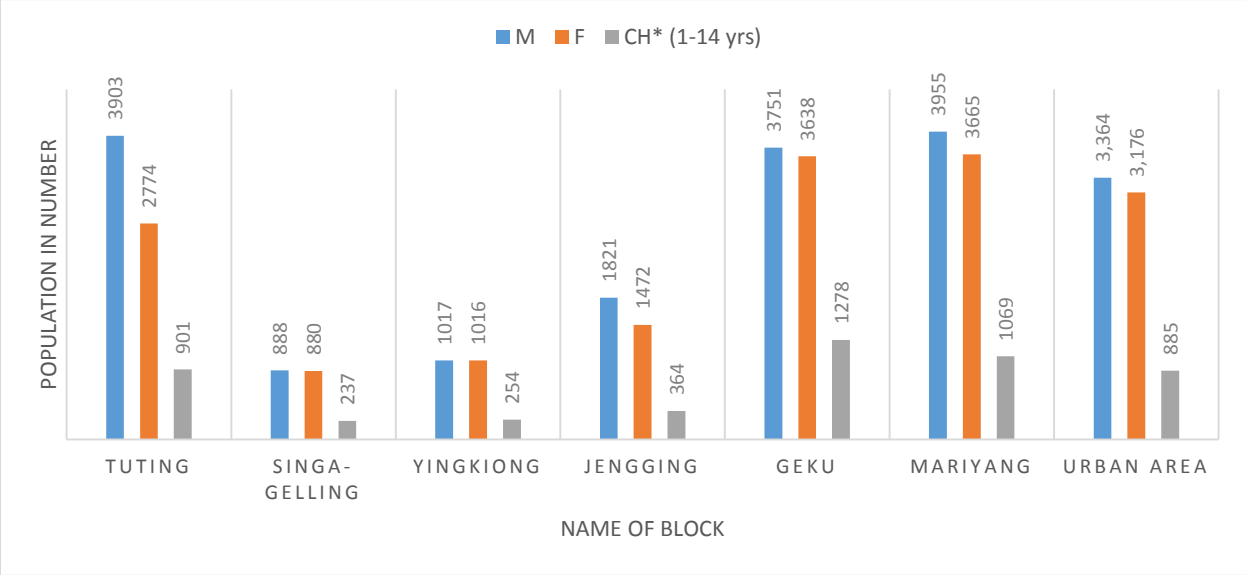



*Figure 1.1 Number of male (M), female (F) and children (CH) in Block of Upper Siang*

Total number of household in the district are 7324 out of which 1427 are in Geku Block and 1595 are in urban areas of the block. The total number of ST families in the district are 5703.

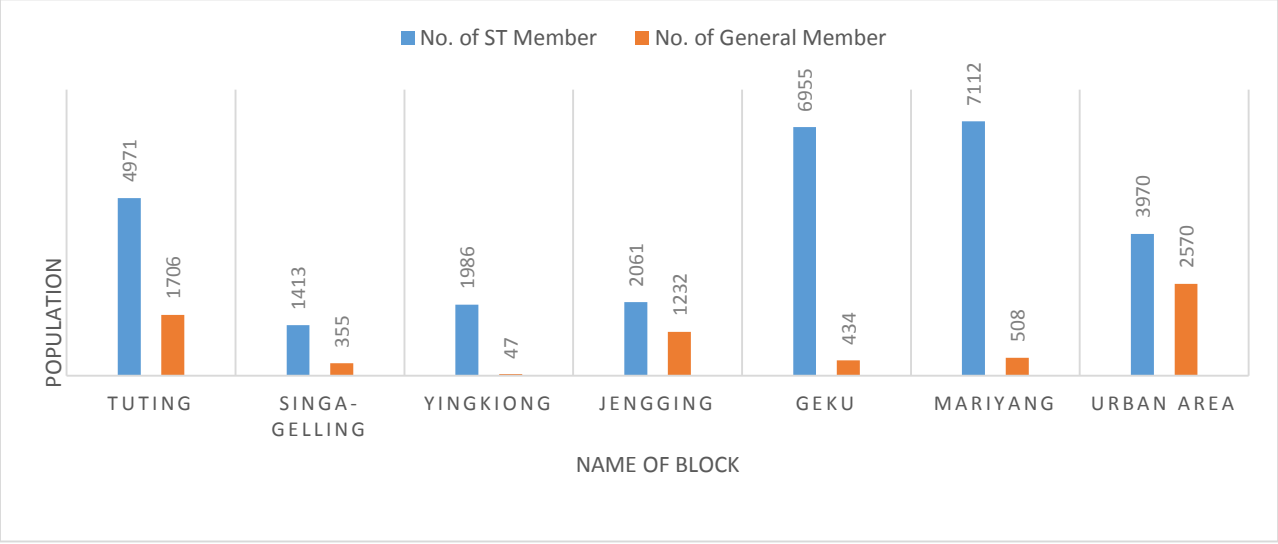



*Figure 1.2 Number of SC, ST and General Families in Block of Upper Siang*

## 1.3 Biomass and Livestock

Animal Husbandry and Dairying have played a vital role in the development of Arunachal Pradesh's rural economy. According to 19$^{th}$Livestock Census 2012, the district has a total livestock population of 146635.

As per the latest census (2012), the district has a total of 45 crossbred cows, 17336 indigenous cows and 20891 pigs.

*Table 1.4 Livestock Population*

| Name of the District | Small Animals | | | | Large Animal | | Draft Animal (Buffalo/ yak/ bulls/ any other | Total |
|---|---|---|---|---|---|---|---|---|
| | Poultry | Ducks | Pigs | Goats | Indigenous Cow | Hybrid Cow | | |
| **Upper Siang** | 85789 | 8969 | 20891 | 7690 | 17336 | 45 | 5915 | **146635** |

*Source: 19$^{th}$Livestock Census 2012*

## 1.4 Agro-Ecology, Climate, Hydrology and Topography

**Climate and Rainfall:** Climate in the district is varied as rainfall and temperature differs from place to place. The district experiences temperate and sub-tropical humid set of climatic condition with maximum and minimum temperature recorded in the months of June and December repectively. Maximum and Minimum temperature in the tract during summer and winter vary between130c -390c and 40c to 210c while relative humidity in the area varies from 75 to 91% as envisaged from the recordscontiguous Upper Subansiri district. The minimum temperature during winter at many places generally goes down below freezing point.Remote localities in the district experience snow fall. The higher reaches in the north remains snow clad. The total snow cover in the District is on the wane due to the global warming phenomena and consequent retreat of glacier. Rainfall mainly occurs during the period of April to October. Average annual rainfall at Yingkiong was recorded as 3240mm (2002-2005).

## 1.5 Soil Profile

The soils of Upper siang district is mainly loam soil. Their water holding capacity varies with clay content. These soils crack on drying and have poor drainage characteristics. These are moderate in nitrogen, low to medium in phosphoric acid and high in potash content. These soils are normally medium in fertility.

Soils of the district have been derived from the country rocks of schists, gneisses in hilly areas

and form alluvial and colluvial materials in the valleys.The soils in the valley areas are sandy loam in texture with high acidic content. The pH values range from 5 to 6. The carbon content is high with medium to low phosphorous and potassium concentrations.

*Table 1.5 Soil Profile of District*

| Name of Block | Soil Type | | Land Slope | | | |
|---|---|---|---|---|---|---|
| | Major Soil Classes | Area (ha) | 0-3% (ha) | 3-8% (ha) | 8-25% (ha) | >25% (ha) |
| Yingkiong | Loam soil | 3215 | 804 | 1608 | 482 | 322 |
| Jengging | Loam soil | 4268 | 1067 | 2134 | 640 | 427 |
| Geku | Loam soil | 4393 | 1098 | 2197 | 659 | 439 |
| Mariyang | Loam soil | 3169 | 792 | 1585 | 475 | 317 |
| Tuting | Loam soil | 1942 | 486 | 777 | 291 | 194 |
| Singa - Galling | Loam soil | 353 | 88 | 177 | 53 | 35 |
| **Grand Total** | | **17340** | **4335** | **8478** | **2600** | **1734** |

*Source: Agriculture Department*

## 1.6 Soil Erosion and Runoff Status

Data was not available.

## 1.7 Land Use Pattern

The total geographical area (TGA) of Upper Siang is 618800 hectare. The largest Block of the district is Tuting which comprises of a TGA of 16522 hectare i.e. about 17.55% of the TGA of the district.

*Table 1.6 Land use Pattern in Ha*

| Name of the Blocks | TGA | Area under Agriculture | | | | CI (%) | Area under Horticulture & Other Plantation Crops (Ha) | Area under Forest (Ha) | Area Under Wasteland | Area under other uses |
|---|---|---|---|---|---|---|---|---|---|---|
| | | CCA | GCA(1) | NSA (2) | AST (1-2) | | | | | |
| **Yingkiong** | 63736 | 3216 | **2107** | 1713.7 | 393.3 | 122.95 | 319 | 45889.92 | 953 | 13358.08 |
| **Jengging** | 68068 | 4271 | **1833.1** | 1596.68 | 236.42 | 114.81 | 613 | 53093.04 | 1140 | 8950.96 |
| **Geku** | 99008 | 4403 | **2345.98** | 2069.54 | 965 | 137.2 | 812 | 76236.16 | 1360 | 16196.84 |
| **Mariyang** | 86632 | 3169 | **2357.6** | 2053.88 | 672 | 137.65 | 606 | 63241.36 | 1270 | 18345.64 |
| **Tuting** | 165220 | 1983 | **1362.9** | 1062.3 | 388 | 137 | 330 | 130523.8 | 824 | 31559.2 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Singa - Gallin** | 136136 | 353 | **185.35** | 137.85 | 47.5 | 134.46 | 204 | 110270.16 | 171 | 25137.84 |
| **Grand Total** | **618800** | **17395** | **10191.93** | **8633.95** | **2702.22** | | **2884** | **479254.44** | **5718** | **113548.6** |

*Source: Agriculture Department*

TGA- Total Geographical Area, CCA- Cultural Command Area, GCA- Gross Cropped Area, NSA- Net Sown Area, AST- Area Sown more than once, CI- Cropping Intensity

The Gross Cropped Area of the district is 10191.9 hectare out of which 2357.6 hectare i.e. 23% of the area falls in Mariyang. Geku Block records for maximum net sown area of 2069.54 hectare. The cropping intensity in Mariyang is 137.65% which is highest in the district followed by Geku (137.2%) and Singa-Gallin (134%). Upper Siang is having 479254.44 ha under forest.

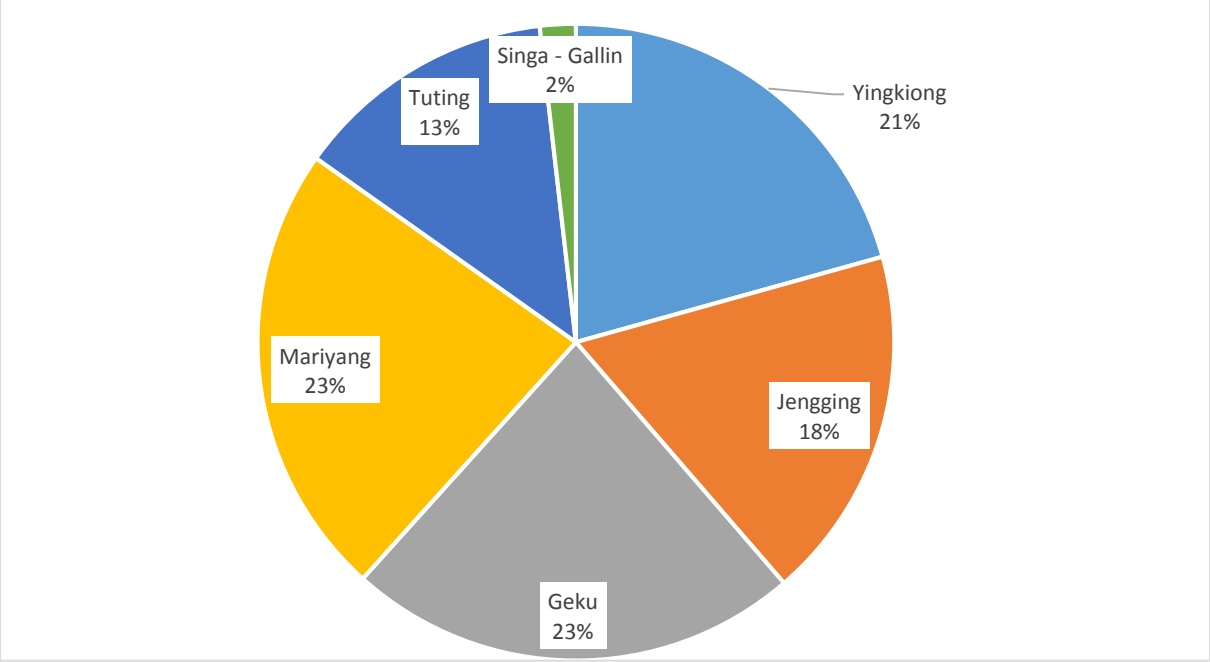



*Figure 1.3 Block wise gross crop area in Upper Siang*

# *Chapter 2 : District Water profile*

## 2.1 Area Wise, Crop Wise Irrigation Status

Cereals are the major crop among agricultural crops of the district. The area under cereals cultivation during 2015-16 was 5604.32 hectare which was around 55% of the total area under agricultural crops. Kharif is the main crop season for agricultural crops. Out of total 10191.93 hectare area under agriculture, 8633.95 hectare was cultivated during Kharif while 1557.98 hectare was cultivated during Rabi.

*Table 2.1 Crop wise status of irrigated and rainfed area in Upper Siang District*

| Crop Type | Kharif | | | Rabi | | | Total | | |
|---|---|---|---|---|---|---|---|---|---|
| | Irrigated | Rainfed | Total | Irrigated | Rainfed | Total | Irrigated | Rainfed | Total |
| A) Cereals | 1854.5 | 3749.82 | 5604.32 | 0 | 0 | 0 | 1854.5 | 3749.82 | **5604.32** |
| B) Coarse Cereals | 0 | 2281.13 | 2281.13 | 0 | 562.75 | 562.75 | 0 | 2843.88 | **2843.88** |
| C) Pulses | 0 | 0 | 0 | 0 | 468 | 468 | 0 | 468 | **468** |
| D) Oil Seeds | 0 | 184 | 184 | 0 | 0 | 0 | 0 | 184 | **184** |
| E) Fibre | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0** |
| F) Any other crops | 0 | 564.5 | 564.5 | 0 | 527.23 | 527.23 | 0 | 1091.73 | **1091.73** |
| Grand Total | **1854.5** | **6779.45** | **8633.95** | **0** | **1557.98** | **1557.98** | **1854.5** | **8337.43** | **10191.93** |

*Source: Agriculture Department*

In Upper Siang, 1854.51 hectare is irrigated. Out of 1854.51 hectare of irrigated land, the cereals crops are cultivated in 1854.51 hectare in Kharif.

Area under Horticulture & Plantation Crops is 1254.5 hectare for all the blocks.

## 2.2 Production and Productivity of Major Crops

Data was not provided by the concern department.

## 2.3 Irrigation Based Classification

The gross and net irrigated area in the district have been 1854.5 and 1854.5 hectares respectively. The total rainfed area in the district is 9555 hectare.

*Table 2.2 Irrigation Based Classification*

| Block | Irrigated (Area in ha) | | | Rainfed (Area in ha) | |
|---|---|---|---|---|---|
| | Gross Irrigated Area | Net Irrigated Area | Irrigation Intensity | Partially Irrigated/Protective Irrigation | Un-Irrigated or Totally Rainfed |
| Yingkiong | 575.92 | 575.92 | 100.00% | 242 | 1373 |
| Jengging | 454.08 | 454.08 | 100.00% | 262 | 1482 |
| Geku | 362.74 | 362.74 | 100.00% | 562 | 3186 |
| Mariyang | 325.56 | 325.56 | 100.00% | 309 | 1751 |
| Tuting | 120 | 120 | 100.00% | 56 | 1487 |
| Singa-Gelling | 16.2 | 16.2 | 100.00% | 49 | 276 |
| **Grand Total** | **1854.5** | **1854.5** | | **1480** | **9555** |

*Source: Agriculture Department*

# *Chapter 3 : Water Availability in Upper Siang*

## 3.1 Status of water availability

Surface irrigation in the district is found to be common during all seasons. The total water available in summer is more than Rabi and Kharif. Most of the area is irrigated through Surface Irrigation system.

The district has many perennial rivers. The district is endowed with natural resources and ground and surface water are also available for agriculture.

*Table 3.1 Status of water availability (in MCM)*

| S.No. | Block | Sources | Kharif | Rabi | Summer | Total in MCM |
|---|---|---|---|---|---|---|
| **1** | Yingkiong | Surface Irrigation | 17 | 3.6 | 2.1 | 22.7 |
| **2** | Jengging | Surface Irrigation | 30 | 6.4 | 3.7 | 40.1 |
| **3** | Geku | Surface Irrigation | 15.4 | 3.3 | 1.9 | 20.6 |
| **4** | Mariyang | Surface Irrigation | 22.2 | 4.8 | 2.8 | 29.8 |
| **5** | Tuting | Surface Irrigation | 18.3 | 3.9 | 2.3 | 24.5 |
| **6** | Singa Galling | Surface Irrigation | 37.5 | 8 | 4.7 | 50.2 |
| | **Grand Total** | | **140.4** | **30** | **17.5** | **187.9** |

*Source: WRD*

**Geomorphology and soil types:**

The district constitutes principally a hilly terrain covered by thick forests. The hill ranges are generally having moderate to steep slopes and narrow valleys and it occupies the lesser and inner Himalayan zones of the Great Himalayan Range. The hills are separated by the Siang River and its tributaries which flow mostly towards south and have deep gorges. The hills are comparatively higher in the northern side than the southern parts. The elevation, in general varies from 1,100 to more than 4000m above mean sea level. The elevation at the District Headquarters Yingkiong is 500m above mean sea level.

Physiographically the district can be broadly subdivided into two divisions 1. Hilly terrain, underlain by Proterozoic gneisses and schists with subordinate quartzite and phyllite, volcanics,

Gondwanas and Tertiary sedimentaries etc and 2. Very limited alluvial deposits in the valley fill. Majority of the district area is occupied by hills underlain by gneisses, Schists, volcanics, Gondwanas and Tertiary sedimentaries barring the highly restricted valley fills along Siang River.

Siang River, originated from Tibet and its tributaries form the main drainage system of the district. It flows in almost N-S direction. The drainage pattern is dendritic to subparallel and follow the general geomorphological trend of the hills and structural lineaments.

Based upon the geomorphic elements such as relief, drainage, lithology etc. the district has been divided into two major units namely denudo-structural hills and valley fill areas.

i) Denudo-structural hills are covering major parts of the district and composed of Phyllites, quartzites, biotite gneiss and Gondwana sedimentary formations. The denudation processes were earlier active in the hills and remnants of original structural features like long faults, deep facets, and strike trends could be seen in the formations.

ii) Valley fills:

Valley fills comprise thin veneer of alluvial deposits occurring along the Siang rivers in the form of terrace. The valleys range in altitude from 500-550m above mean sea level.

Soils of the district have been derived from the country rocks of schists, gneisses in hilly areas and form alluvial and colluvial materials in the valleys.The soils in the valley areas are sandy loam in texture with high acidic content. The pH values range from 5 to 6. The carbon content is high with medium to low phosphorous and potassium concentrations.

## 3.2 Status of Ground Water Availability

Groundwater is available in all geological formations in the district depending upon their primary or secondary porosities, geomorphologic and hydrogeologic set up.

**GEC'97 (Ground Water Estimation Committee) couldn't adopt as the district area was more than 20% slope. Net annual Ground Water Draft is not available.**

**Geology and Hydrogeology:** The district is underlain by rock formations of Recent to Precambrian age. The Precambrian rocks comprise high grade gneisses and Schists of Sela Group, followed by quartzite,phyllite, conglomerate,Shales,Biotite gneiss,Calc and Graphite Schist of Bomdila Group and Miri quartzite,Shale and conglomerates belonging to Miri Formations of Lr Gondwana Group and Abor volcanics of Paleozoic epoch and Tertiary sedimentaries comprising Geku and Dalbuing formations of Yingkiong Group. The Sela Group

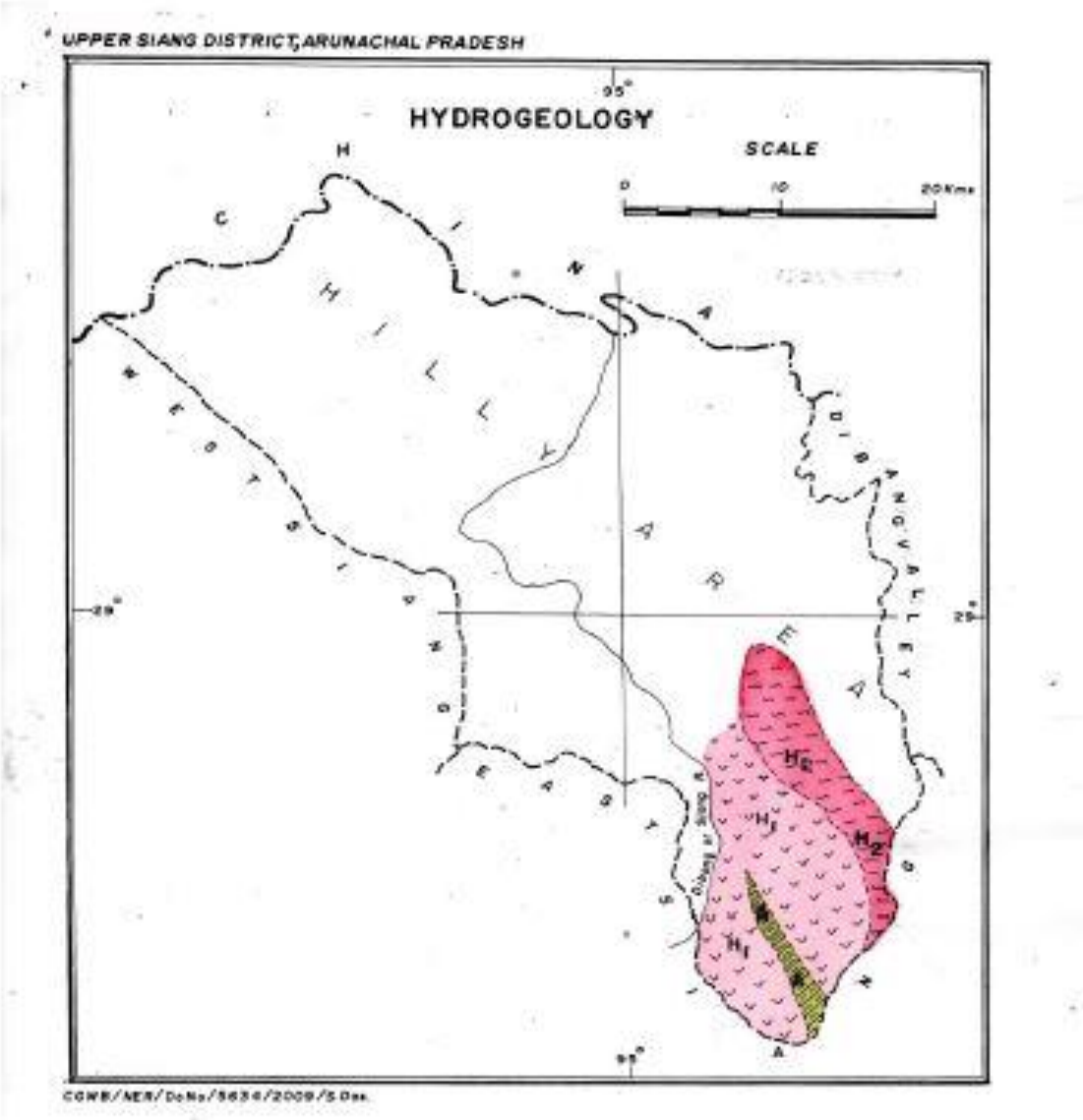
of rocks of Precambrian age consists of high grade gneisses, lit-per-lit gneisses and schists. It occurs in the west and north-western part of the district. Bomdila Group of rocks representing low to medium grade metasediments comprising quartzites,mafic meta volcanics and carbonates, associated with ortho-gneisses,granites and mafic intrusive.The overlying Miri formations(Gondwana) of lower Paleozoic age constitutes mainly quartzite with shale and phyllite association occur along a N-S trending patch inside the Bomdila Group of rockc. The Miri formation is having tectonic contact with the underlying Bomdila Group of rocks. Paleozoic Abor volcanics representing basaltic flows with fossiliferous intertrappean shale and sandstone are rimming around the Tertiary Yingkiong Group representing Shale,sandstone with welded tuff and mafic volcanics of Geku formation and Foraminiferal limestone and shale of Dalbuing formation.

Hydro geologically the area incorporated in the district can be broadly subdivided into two units 1. Consolidated and Semi-consolidated formations 2. Unconsolidated formations

**Consolidated and Semi-consolidated Formations:** These formations are underlain in the areas covered by the hills and mountains and occupy the lions share of the area which is about 99% of the total geographical area of the district.The hills are constituted by phyllite, gneisses,quartzite and Calc gneiss comprising the crystalline consolidated formations representing Sela Group and Bomdila Group. Abor Volcanics and the volcanics in Geku Formations are also representing the consolidated formations.The Semiconsolidated formations represent Gondwana sedimentariris comprising ortho-quartzite, Shale and the sedimentaries of Yingkiong Group and the Dalbuing formations. These rocks are highly jointed and fractured with high degree of weathering. Ground water occurs in weathered zone as also in the fractured zones which form the zones of secondary porosity in these formations. Since there is no ground water development structures tapping all these water yielding horizons in the form of dugwells,dug-cum-bore wells or bore wells,ground water is discharged in the topographic lows in the form of springs. Rainfall forms the main source of recharge which gets recharged through the weathered mantle and finally reaches the fractures and openings through percolation. Because of high and steep slopes of the hill surfaces good amount of rainwater flows down as surface run-off while a meager portion of precipitation seeps inside to vitalize the shallow weathered and deeper fractured horizons in the consolidated formations.

**Unconsolidated formations:** These formations comprise sand of various textures, silt, clay and pebbles with boulders occurring in the limited valley areas along Siang River. These occur as terraces along the rivers. An average thickness of 3-4m of alluvial veneer could be seen in the valleys while average thickness of weathering in the underlain consolidated formations may vary from 5-10m as estimated during the studies carried out by CGWB. These valley areas could be fully developed through portable DTH-Percussion combined rig for augmentation of water supply and irrigation. ***(Source: CGWB Reort of Upper Siang)***

**Ground water resources:** The dynamic ground water resources of the districts of Arunachal Pradesh was estimated by the Central ground water Board based upon the ground water resources estimation methodology of 1997 and it was published for the assessment year of 2004. In the report the dynamic ground water resources potential of Upper Siang has not been shown as it could not be estimated due to paucity of data required for ground water resources estimation.




*Map 2: Hydrology Map of District*

## 3.3 Status of Command Area

A total of 15655.5 hectare is covered under canal command. Maximum area is covered in Geku Block (3962.7 ha) followed by Jengging block (3843.9 ha) and Yingkiong Block (2894.4 ha).

*Table 3.2 Status of Command Area*

| S.No. | Name of the Block | Information of Canal Command | | | Information on the other Services Command ( Micro Irrigation) | | | Total Area in Ha | |
|---|---|---|---|---|---|---|---|---|---|
| | | TA | DA | UDA | TA | DA | UDA | Developed Command | Undeveloped Command |
| **1** | **Yingkiong** | 2894.4 | 1221.4 | 1673 | 312 | 294 | 18 | 1515.4 | 1691 |
| **2** | **Jengging** | 3843.9 | 2460.9 | 1383 | 422 | 399 | 23 | 2859.9 | 1406 |
| **3** | **Geku** | 3962.7 | 1380.7 | 2582 | 437 | 417 | 20 | 1797.7 | 2602 |
| **4** | **Mariyang** | 2852.1 | 1236.1 | 1616 | 317 | 287 | 30 | 1523.1 | 1646 |
| **5** | **Tuting** | 1784.7 | 701.7 | 1083 | 190 | 174 | 16 | 875.7 | 1099 |
| **6** | **Singa - Galling** | 317.7 | 97.7 | 220 | 34 | 32 | 2 | 129.7 | 222 |
| | **Grand Total** | **15655.5** | **7098.5** | **8557** | **1712** | **1603** | **109** | **8701.5** | **8666** |

Source: WRD

*TA- Total Area, DA- Developed Area, UDA- Undeveloped Area

## 3.4 Existing Type of Irrigation

In total, 6204 hectare of command area is irrigated under surface irrigation. Total command area under canal based irrigation is 5596 hectare under government canal while 608 hectare of area is under Community/Pvt Canal. Jengging Block has highest area i.e. 2475 hectare under canal irrigation while Yingkiong block has 1435 hectare area under canal irrigation. While Singa – Galling block has least area i.e. 28 hectare irrigated by canals.

*Table 3.3 Exiting type of Irrigation*

| Block | Source of Irrigation | Surface Irrigation | | | Total Irrigation Sources |
|---|---|---|---|---|---|
| | | Canal Based | | Tanks / Ponds / Reservoirs | |
| | | Govt Canal | Community/Pvt Canal | Community Ponds | |
| **Yingkiong** | No | 56 | 26 | 0 | 82 |
| | Command Area | 1166 | 269 | 0 | 1435 |

| | | | | | |
|---|---|---|---|---|---|
| **Jengging** | No | 70 | 14 | 0 | 84 |
| | Command Area | 2349 | 126 | 0 | 2475 |
| **Geku** | No | 21 | 8 | 0 | 29 |
| | Command Area | 738 | 65 | 0 | 803 |
| **Mariyang** | No | 34 | 6 | 0 | 40 |
| | Command Area | 1012 | 148 | 0 | 1160 |
| **Tuting** | No | 13 | 0 | 0 | 13 |
| | Command Area | 303 | 0 | 0 | 303 |
| **Singa - Galling** | No | 3 | 0 | 0 | 3 |
| | Command Area | 28 | 0 | 0 | 28 |
| **Grand Total** | **No** | **197** | **54** | **0** | **251** |
| | **Command Area** | **5596** | **608** | **0** | **6204** |

*Source: WRD*

# 4. Chapter: Water Requirement /Demand

The earlier Chapters deal with the general profile, water profile and water availability ofUpper Siang district. The present chapter deals with the current (2016) and projected (2020) demand of water for various sectors. The demand for water has been assessed on the basis of data obtained from different departments.

## 4.1 Domestic Water Demand

Data of Census 2011 and 2001 has been considered to arrive at the growth rate of population of the district. As per Census 2011, the district has shown an annual growth rate of 0.59%. Table 4.1 below indicates the Block-wise population of the district. Current population (in 2016) has been calculated by assuming a growth rate of 2.95% (0.59% × 5 Years) over a period of five years (from 2011-2016). Projected population has been calculated in similar way by assuming a growth rate of 2.36% (0.59% × 4 Years) over the period of four years (from 2016-2020).

*Table 4.1 Domestic Water Demand (MCM)*

| Block | Population in 2011 | Population in 2016 | Projected population in 2020 | Gross Water Demand in 2016 | Gross Water Demand in 2020 |
|---|---|---|---|---|---|
| **Tuting** | 6677 | 6874 | 7032 | 0.35 | 0.36 |
| **Singa-Gelling** | 1768 | 1820 | 1862 | 0.09 | 0.10 |
| **Yingkiong** | 2033 | 2093 | 2141 | 0.11 | 0.11 |
| **Jengging** | 3293 | 3390 | 3468 | 0.17 | 0.18 |
| **Geku** | 7389 | 7607 | 7781 | 0.39 | 0.40 |
| **Mariyang** | 7620 | 7845 | 8025 | 0.40 | 0.41 |
| **Urban Area** | 6540 | 6733 | 6887 | 0.34 | 0.35 |
| **Grand Total** | **35320** | **36362** | **37195** | **1.86** | **1.90** |

It can be inferred from the table that considering the growth rate of population of the district, the quantity of water required in 2020 for domestic consumption shall be approximately 1.90 MCM which is 0.04 MCM more than the present water requirement.

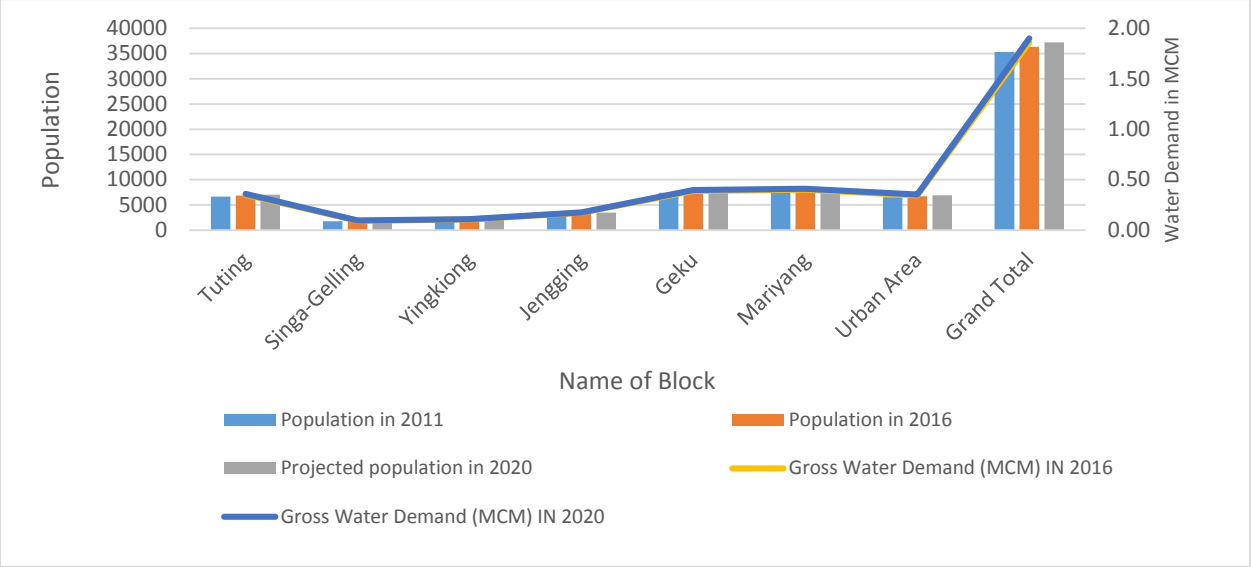



*Figure 4.1 Population and domestic water requirement*

It has been assumed that per capita daily water requirement of people residing in urban areas of the district is 140 Litres and for population in rural areas, the daily per capita daily water requirement is 100 Litres. Using the same norms domestic water supply demand has been worked out and given in table 20 below.

## 4.2 Crop Water Requirement

Taking into account, the water requirement of various crops, average water requirement per hectare of land has been worked out to for each crops separately. The irrigation efficiency of water has also been considered while working out the water requirement. It has been observed that most of the field is irrigated under flood irrigation system where the efficiency of water is around 50%. Accordingly, to calculate the actual water requirement of land, twice of the crop water requirement have been taken.

*Table 4.2 Crop Water Requirement in Million Cubic Meter*

| Sl No | Block | Area Sown (Ha) | Irrigated area (ha) | Crop Water Demand | Water Potential required | Existing Water Potential | Water potential to be created |
|---|---|---|---|---|---|---|---|
| **1** | Yingkiong | 2107 | 575.92 | 63.21 | 63.21 | 17.28 | 45.93 |
| **2** | Jengging | 1833.1 | 454.08 | 54.99 | 54.99 | 13.62 | 41.37 |
| **3** | Geku | 2345.98 | 362.74 | 70.38 | 70.38 | 10.88 | 59.50 |
| **4** | Mariyang | 2357.6 | 325.56 | 70.73 | 70.73 | 9.77 | 60.96 |
| **5** | Tuting | 1362.9 | 120 | 40.89 | 40.89 | 3.60 | 37.29 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **6** | Singa - Galling | 185.35 | 16.2 | 5.56 | 5.56 | 0.49 | 5.07 |
| | **Grand Total** | **10191.93** | **1854.5** | **305.76** | **305.76** | **55.64** | **250.12** |

It can be concluded from the table that in 9 blocks, a total water potential of 250.12 MCM is to be met additionally in the district to fulfill the requirement of crops.

## 4.3 Livestock

The requirement of water for livestock of the district has been derived from last two livestock census (2007& 2012). The table below represents the Block wise water requirement as well as total water requirement of the district for livestocks.

*Table 4.3 Livestock water Demand in MCM*

| Name of the District | Total number of livestock | Present water demand (MCM) | Water Demand in 2020 (MCM) | Existing water potential (MCM) | Water potential to be created (MCM) |
|---|---|---|---|---|---|
| **Upper Siang** | 146635 | 2.14 | 3.64 | 2.14 | 1.50 |

## 4.4 Industrial Water Requirement

Industerial water demand is zero because there is no industry in Upper Siang district.

*Table 4.4 Industrial Water Requirement in MCM*

| Name of the Blocks | Name of the Industry | Water Demand | Water Demand in 2020 | Existing Water Potential | Water Potential to be created |
|---|---|---|---|---|---|
| Yingkiong | No industry | 0 | 0 | 0 | 0 |
| Mariyang | No industry | 0 | 0 | 0 | 0 |
| Geku | No industry | 0 | 0 | 0 | 0 |
| Jengging | No industry | 0 | 0 | 0 | 0 |
| Tuting | No industry | 0 | 0 | 0 | 0 |
| Singha - Galling | No industry | 0 | 0 | 0 | 0 |
| **Grand Total** | | 0 | 0 | 0 | 0 |

## 4.5 Water Demand for Power Generation

Total water demand for power generation in Upper Siang district is 0 MCM.

*Table 4.5 Water Demand for Power Generation*

| Name of the Blocks | Power Requirement (MW) | Water Demand (MCM) | Water Demand in 2020 (MCM) | Existing Water Potential (MCM) | Water Potential to be created (MCM) |
|---|---|---|---|---|---|
| **Yingkiong** | 0 | 0 | 0 | 0 | 0 |
| **Mariyang** | 0 | 0 | 0 | 0 | 0 |
| **Geku** | 0 | 0 | 0 | 0 | 0 |
| **Jengging** | 0 | 0 | 0 | 0 | 0 |
| **Tuting** | 0 | 0 | 0 | 0 | 0 |
| **Singha - Galling** | 0 | 0 | 0 | 0 | 0 |
| **Grand Total** | 0 | 0 | 0 | 0 | 0 |

## 4.6 Total Water Demand of the district for various sectors

This sections presents the total water demand of the district and has been calculated by summing up all major sectors consuming water. The current water demand has been indicated in Table 4-6 and the projected water demand has been depicted in Table 4-7.

*Table 4.6 Total Water Demand in MCM of the district for various sectors at Present*

| Name of Block | Demand from components (MCM) | | | | | Total (MCM) |
|---|---|---|---|---|---|---|
| | Domestic | Crop | Livestock | Industrial | Power Generation | |
| **Tuting** | 0.35 | 40.89 | | 0 | 0 | 41.24 |
| **Singa-Gelling** | 0.09 | 5.56 | | 0 | 0 | 5.65 |
| **Yingkiong** | 0.11 | 63.21 | | 0 | 0 | 63.32 |
| **Jengging** | 0.17 | 54.99 | | 0 | 0 | 55.17 |
| **Geku** | 0.39 | 70.38 | | 0 | 0 | 70.77 |
| **Mariyang** | 0.74 | 70.73 | | 0 | 0 | 71.47 |
| **Grand Total** | 1.86 | 305.76 | 2.14 | 0 | 0 | 309.76 |

The present water demand of the district has been assessed at 309.76 MCM annually, with Mariyang being the Block with maximum water requirement (71.47 MCM). Geku and Yingkiong block stand at 2nd and 3rd position with 70.77 MCM and 63.32 MCM water required in the respective Block.

*Table 4.7 Total Water Demand of the district for various sectors (Projected for 2020)*

| Name of Bloks | Demand from components (MCM) | | | | | Total (MCM) |
|---|---|---|---|---|---|---|
| | Domestic | Crop | Livestock | Industrial | Power Generation | |
| **Tuting** | 0.36 | 40.89 | | | | 41.25 |
| **Singa-Gelling** | 0.10 | 5.56 | | | | 5.66 |
| **Yingkiong** | 0.11 | 63.21 | | | | 63.32 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Jengging** | 0.18 | 54.99 | | | | 55.17 |
| **Geku** | 0.40 | 70.38 | | | | 70.78 |
| **Mariyang** | 0.76 | 70.73 | | | | 71.49 |
| **Grand Total** | 1.90 | 305.76 | 3.64 | 0.00 | 0.00 | 311.30 |

During 2020, total water requirement of the district has been assessed at 311.30 MCM out of which maximum will be for Mariyang (71.49 MCM). It will be followed by Geku Block (70.78 MCM) and Yingkiong (63.32 MCM).

## 4.7 Water Budget

The total water gap for the district has been estimated at 119.75 MCM at present and 119.79 MCM during 2020 which indicates that the district is consuming more water than available water. However, in Singa Galling block, there is a negative gap (surplus) of 44.51 and 44.51 MCM in present which is a good condition.

*Table 4.8 Water Budget (Volume in MCM)*

| Name of Block | Existing water availability (MCM) | | Total (MCM) | Water Demand (MCM) | | Water Gap (MCM) | |
|---|---|---|---|---|---|---|---|
| | Surface Water | Ground Water | | Present | Projected (2020) | Present | Projected (2020) |
| **Yingkiong** | 22.73 | 0 | 22.73 | 63.32 | 63.32 | 40.59 | 40.59 |
| **Jengging** | 40.16 | 0 | 40.16 | 55.17 | 55.17 | 15.01 | 15.01 |
| **Geku** | 20.64 | 0 | 20.64 | 70.77 | 70.78 | 50.13 | 50.14 |
| **Mariyang** | 29.71 | 0 | 29.71 | 71.47 | 71.49 | 41.76 | 41.78 |
| **Tuting** | 24.47 | 0 | 24.47 | 41.24 | 41.25 | 16.77 | 16.78 |
| **Singa - Galling** | 50.16 | 0 | 50.16 | 5.65 | 5.66 | -44.51 | -44.51 |
| **Grand Total** | **187.87** | **0** | **187.87** | **309.76** | **311.30** | **119.75** | **119.79** |

# *Chapter 5. Strategic Action Plan for Irrigation in District under PMKSY*

Water is essential for sustaining life and at the same time, it is an important component for almost all developmental plans. Obviously the schemes for development of water resources for beneficial use of the society have been taken up since the time immemorial. Considerable progress has been made in respect of water resources development in India after independence through various Plans and such developments have helped in almost fivefold increase in creation of irrigation potential. There has also been appreciable development in the areas of drinking water supply and other uses. However, growing population, urbanization and industrialization has led to considerable increase in demand of water for various purposes e.g., irrigation, domestic needs, industrial requirements etc.

In this regard, it may be mentioned that the water sector has very strong linkages withal other developmental activities. In view of fast changing development scenario, it is emphasized that the key priorities and identified strategies cannot be considered as static and firm. These need to be reviewed and improved upon from time to time. In this regard a comprehensive "Strategic Plan for District Irrigation" has been prepared through geospatial approach:

## Methodology

Diverse research methodologies using RS and GIS have been applied by different authors to identify potential rainwater harvestings in remote and data scarce areas; in most of these methods, thematic maps are derived from remote sensing data and integrated in GIS to evaluate suitable sites for rainwater harvesting. Remote sensing is of immense use for natural resources mapping and generating necessary spatial database required as an input for GIS analysis. GIS is a tool for collecting, storing and analysing spatial and non - spatial data, and developing a model based on local factors can be used to evaluate appropriate natural resources development and management action plans. Both these techniques can complement each other to be used as an effective tool for selecting suitable sites for water harvesting structures.

In assessment of proposed rainwater harvesting structures potential using GIS and RS, outlines six key factors that require to be integrated into a GIS framework in order to successfully develop a suitable model for RWH. This include; rainfall, hydrology (rainfall runoff relationships), slope, land cover, soils (texture, structure, depth) and socio-economics of the area under consideration.

## 5.1 Cost Norm

### 1. Water Resources Department

**A) Surface minor irrigation (MI) schemes :** The cost norms have been applied as per the MODIFIED GUIDELINES FOR THE ACCELERATED IRRIGATION BENEFITS PROGRAMME (AIBP) EFFECTIVE FROM OCTOBER 2013, Govt of India , for Surface minor irrigation (MI) schemes of Special category states -North-Eastern states, Hilly states (Himachal Pradesh, Jammu and Kashmir and Uttarakhand) and drought prone undivided Koraput, Bolangir and Kalahandi (KBK) districts of Odisha have been applied while estimating the project cost . The development cost per hectare of CCA of individual scheme is less than Rs.2.50 lakh.

**B) CAD & WM Programme:** The cost norms of CAD & WM programme proposed under Har Khet Ko Pani have been adopted as per the Annexure -I of Revised Interim Guidelines of Command Area Development and Water Management (CAD&WM) Programme Govt of India issuied vide letter No - G-11012/3/2013-CADWM dated 17th September, 2015 (copy enclosed ). the activity wise rates adopted in CAD & W M component are as follows:

(i) Survey, Planning and designing of OFD Work - Rs 1200/ - per Ha

(ii) Lined channels /underground pipelines. Rs 45000/ - per Ha

(iii) Mechanised land leveling in the hilly/difficult areas Rs 50000/ - per Ha

(iv) Micro- irrigation Rs 50000/ - per Ha

(v) Construction of Field, intermediate and link drains Rs 6000/- per Ha

(vi) Correction of System Difficiency Rs 8000/- per Ha

(vii) Onetime grant to registered WUAs Rs 1200/ - Ha

**C) Repair, restoration and renovation of defunct water sources / Water Bodies:** The cost norms of RRR work proposed under Har Khet Ko Pani have been adopted Rs 45000/- per Ha of CCA as per approved guide lines of Govt of India.

### 2. Cost Norm by Agriculture Department

**1. Non-DPAP Sprikler:** The cost norms of Sprinkler system proposed under Per Drop More Crop have been adopted Rs 450000/- per Ha of CCA.

**2. Secondary storage structure of 1200 cu.m:** The cost norms of Secondary storage structure of 1200 cum proposed under Per Drop More Crop have been adopted Rs 250000/- per Ha of CCA.

**3. On Farm development (distribution of pipe/raised bed and furrow:** The cost norms of On Farm development (distribution of pipe/raised bed and furrow proposed under Per Drop More Crop have been adopted Rs 150000/- per Ha of CCA.

**4. Training to farmers:** The cost norms of Training to farmers proposed under Per Drop More Crop have been adopted Rs 24000/- per Unit.

## 5.2 Department Wise Plan

Total plan of Upper Siang district for five years works out to be **Rs. 78270.95 lakh** (Table 5-1). Maximum share of Rs. 60358.31 lakh (77%) is for WRD followed by Agriculture department with Rs. 8896.94 lakh (11%). Share of Horticulture and Rural Development (DRDA) department Rs. 595.20 lakh (1%) and Rs. 8420.50 lakh (11%) respectively. Fig.5-1 indicates department-wise share in PMKSY for five years from 2015-16 to 2019-20.

*Table 5.1: Department-wise year-wise proposal under PMKSY in Rs. Lakhs*

| Name of Department | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | Grand Total |
|---|---|---|---|---|---|---|
| Agriculture Department | 0 | 1464.14 | 2942.62 | 2814.36 | 1675.82 | 8896.94 |
| Horticulture | 0 | 148.8 | 148.8 | 148.8 | 148.80 | 595.2 |
| Water Resources Department | 677.13 | 19024.59 | 17146.5 | 15844.92 | 7665.17 | 60358.31 |
| Rural Development (DRDA) | 1684.10 | 1684.10 | 1684.10 | 1684.10 | 1684.10 | 8420.50 |
| **Grand Total** | **2361.23** | **22321.63** | **21922.02** | **20492.18** | **11173.89** | **78270.95** |

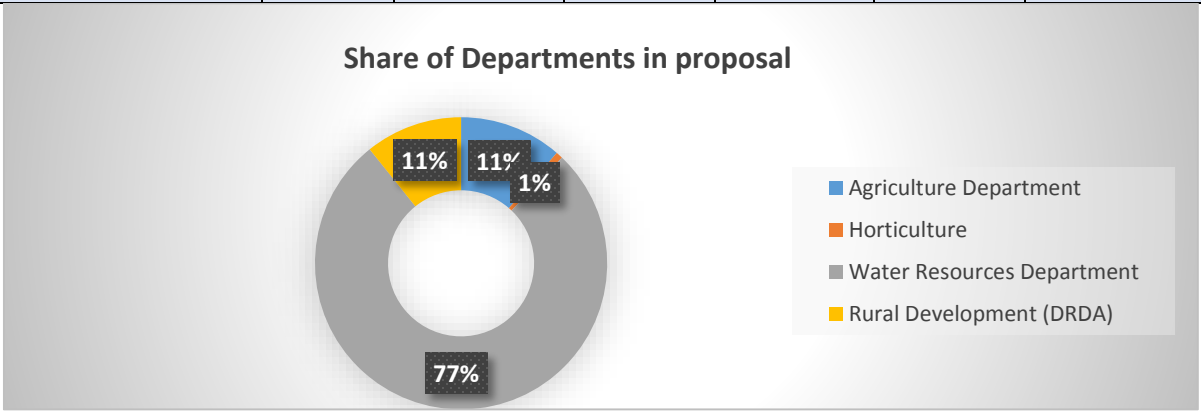



*Figure 5.1 Department-Wise Share*

## 5.3 Component Wise Plan

As discussed above about various components of PMKSY, the plan is prepared accordingly. Table 5-2 shows component wise plan for 5 years starting from 2015-16 to 2019-20. AIBP there are no any proposal under this component. Per Drop More Crop components is Rs. 9492.14 lakh, which is to be executed mainly by Agriculture and Horticulture department. This component constitutes 12% of the PMKSY Plan. Har Khet ko Pani component is of Rs. 60358.31 lakh (77%) will be executed by WRD. Watershed component has a total proposal of Rs. 8420.50 lakh which is 11% of district's PMKSY proposal. This component will be implemented by rural development (DRDA). Fig. 5-2 represents the graphical representation of various components of PMKSY, year wise plan and share

*Table 5.2: Component wise plan in Rs. Lakhs*

| Component | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | Grand Total |
|---|---|---|---|---|---|---|
| **AIBP** | 0 | 0 | 0 | 0 | 0 | **0.00** |
| **HKKP** | 677.13 | 19024.59 | 17146.5 | 15844.92 | 7665.17 | **60358.31** |
| **PDMC** | 0 | 1612.94 | 3091.42 | 2963.16 | 1824.62 | **9492.14** |
| **PMKSY - Watershed** | 1684.10 | 1684.10 | 1684.10 | 1684.10 | 1684.10 | **8420.50** |
| **Grand Total** | **2361.23** | **22321.63** | **21922.02** | **20492.18** | **11173.89** | **78270.95** |

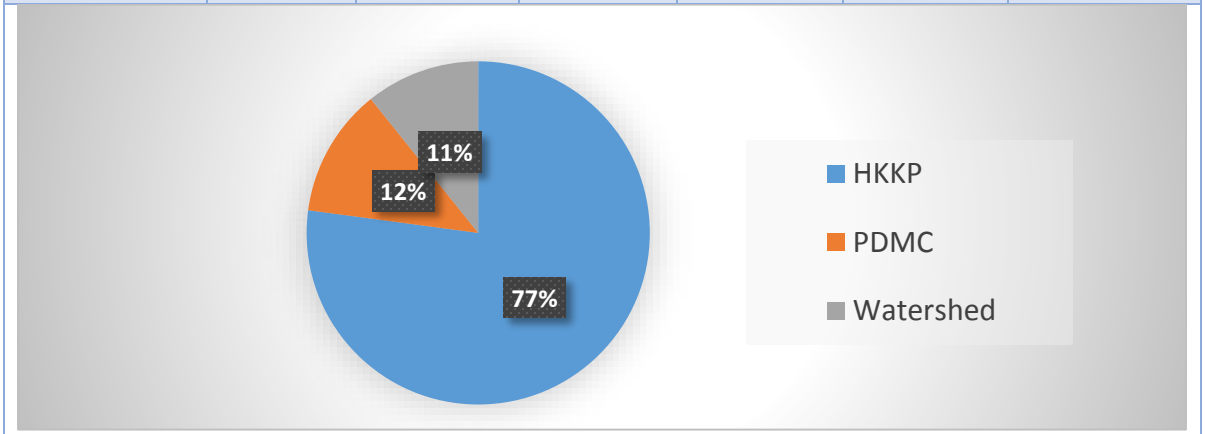



***Figure 5.2 Component-Wise Share***

## 5.1 Programme Components

The activities of Water Rsources Department will be as follows:

**1. Accelerated Irrigation Benefit Programme (AIBP):** Since there is no any ongoing Major and medium irrigaton or any national project of irrigation sector. Hence there are no any proposal under this component.

**2. Har Khet ko Pani**

**a) Creation of new water sources through Minor Irrigation (both surface and groundwater):** There is proposal to bring 10968 Ha land under assurred irrigation (Har Khet Ko Pani) by creating 242 Nos new surface minor irrigation schemes with a financial outlay of Rs 27420.00 Lakh. Further an area of 70 Ha is proposed to be brought under Ground Water Development with 16 Nos proposed Schemes.

**b) Repair, restoration and renovation of defunct water sources:** 251 Nos existing surface Minor Irrigation projects / schemes which are either defunct or not functing properly covering 6204 Ha C C A with a financial outlay Rs 2791.80 Lakh are proposed for repair, restoration & Renovation work for strengthing the carrying capacity of these minor irrigation sources.

**C) Repair, restoration and renovation of water bodies:** 24 Nos Water bodies covering 14.30 Ha are to be renovated for strengthening the carrying capacity.with a financial outlay of Rs 6.44 Lakh.

**d) Command area development:** 496 MI Shemes (both new & Existing ) covering an area of 17395 Ha are proposed unde this sector with a financial outlay Rs 15516.70 Lakh for strengthening and creation of distribution network from source to the farm

**3. Per Drop More Crop**

a ) 16 Nos Solar pump sets ( Water lifting devices ) are proposed with a financial outlay of Rs 84.85 Lakh are proposed.

b ) 191 Nos schemes are proposed for sprinkler irrigation by Department of Agriculture tocover an area of 191 Ha with a financial outlay of Rs 859.50 Lakh.

c) 1760 Nos schemes are proposed for Secondary Storage Structure by Department of Agriculture to cover an area of 1760 Ha with a financial outlay of Rs 4400.00 Lakh.

d) 2392 Nos schemes are proposed for On Farm Development (distribution pipe / raised bedand furrow system etc.) by Department of Agriculture to cover an area of 2392 Ha with a financial outlay of Rs 3588.00 Lakh.

e) 206 units for Training to farmers by Department of Agriculture is proposed with afinancial outlay of Rs 49.44 Lakh.

f) Proposed Fund by Horticulture department is Rs. 595.20 lakh.

**4) Watershed (DRDA)**

Watershed component has a total proposal of Rs. 8420.50 lakh which is 12% of district's PMKSY proposal. This component will be implemented by rural development (DRDA).

## 5.4 Suggestions

For successful implementation of PMKSY plan it is suggested that:

- All the stakeholders should convene meeting of Panchayat samities and then finalise the village plan and prepare DPR.
- There should not be duplicity of project.
- The Department should supplement each other so that the maximum irrigation efficiency is achieved.
- All the irrigation projects should have a component of water conveyance so that the each drop of water is judiciously utilized.
- Where ever feasible solar pumpsets should be installed.
- All the structures planned should be geo tagged and marked on map, so that social monitoring of the projects can be conducted. This will also avoid the duplicity.
- Priority should be given to projects minimize the gap in potential created and potential utilized.
- Execution of the scheme should be expeditiously completed.
- There should be smooth fund flow to timely complete the project**.**

## Annexure I: Physical & Financial Phasing of Proposed Activity Wise Work Component (Har Khet Ko Pani) Under Pmksy By Water Resources Department Yingkiong

### A. 1st Year: 2015 - 16 (Har Khet Ko Pani)

| Name of Block | Sl No | Name of Scheme | C C A in Ha | Creation of new water sources | | repair, restoration and renovation of defunct water sources | | Command Area Development and Water Management (CAD&WM) Programme | | | | | | | | | | | | | | | | G/Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Surface Minor Irrigation | | Renovation of Existing Surface MI Schemes | | Survey, Planning and designing of OFD Works | | Lined channels (a) | | Mechanised land leveling (b) | | Micro irrigation ( c ) | | Construction of Field, intermediate and link drains (d) | | Correction of System Difficiency (e) | | Onetime grant to registered WUAs | | Estt Cost @ 10% of a, b , c , d & e | |
| | | | | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Fin | Fin |
| **Yingkiong** | **1** | Cluster of MI schemes under Yingkiong -I. | 59 | 59 | 206.50 | 0 | 0 | | | | | | | | | | | | | | | | 206.50 |
| | 2 | Cluster of MI Schemes at Yingkiong, Mariyang, Geku & Katan Circle under Yingkiong Sub Division | 100 | | 0 | 0 | 0.00 | 100 | 1.20 | 90 | 40.50 | 60 | 30.00 | 10 | 5.00 | 90 | 5.40 | 100 | 8.00 | 100 | 1.20 | 8.89 | 100.19 |
| | | **Sub Total =** | **159** | **59** | **206.5** | **0** | **0** | **100** | **1.20** | **90** | **40.5** | **60** | **30** | **10** | **5.00** | **90** | **5.40** | **100** | **8.00** | **100** | **1.20** | **8.89** | **306.69** |
| **Jengging** | **3** | Cluster of MI schemes under Jengging -I | 34 | 34 | 119.00 | 0 | 0.00 | | | | | | | | | | | | | | | | 119.00 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4 | Cluster of MI Schemes of Jengging, Karko, Gossang , Moying, Ramsing, Bomdo and Janbo under Jengging Circle | 51 | 0 | 0 | 0 | 0.00 | 51 | 0.61 | 46 | 20.70 | 25 | 12.50 | 5 | 2.50 | 46 | 2.76 | 51 | 4.08 | 51 | 0.61 | 4.25 | 48.01 |
| | | **Sub Total =** | **85** | **34** | **119.00** | **0** | **0** | **51** | **0.612** | **46** | **20.70** | **25** | **12.50** | **5** | **2.50** | **46** | **2.76** | **51** | **4.08** | **51** | **0.612** | **4.25** | **167.01** |
| Tuting | 5 | Cluster of MIP schemes at Tuting -I | 37 | 37 | 129.50 | 0 | 0 | | | | | | | | | | | | | | | | 129.50 |
| | 6 | Cluster of MI Scheme under Tuting , Gelling , Singha, Migging and Palling circle | 74 | 0 | 0.00 | 0 | 0 | 74 | 0.89 | 67 | 30.15 | 44 | 22.00 | 7 | 3.50 | 67 | 4.02 | 74 | 5.92 | 74 | 0.89 | 6.56 | 73.93 |
| | | **Sub Total =** | **111** | **37** | **129.5** | **0** | **0** | **74** | **0.888** | **67** | **30.15** | **44** | **22.00** | **7** | **3.5** | **67** | **4.02** | **74** | **5.92** | **74** | **0.888** | **6.56** | **203.43** |
| | | **G/Total =** | **355** | **130** | **455** | **0** | **0** | **225** | **2.7** | **203** | **91.35** | **129** | **64.5** | **22** | **11** | **203** | **12.18** | **225** | **18** | **225** | **2.7** | **19.7** | **677.13** |

## B. 2nd Year: 2016 - 17 (Har Khet Ko Pani)

| Name of Block | | Name of Scheme | C C A in Ha | Creation of new water sources | | repair, restoration and renovation of defunct water sources | | Command Area Development and Water Management (CAD&WM) Programme | | | | | | | | | | | | | | | | G/Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Surface Minor Irrigation | | Renovation of Existing Surface MI Schemes | | Survey, Planning and designing of OFD Works | | Lined channels (a) | | Mechanised land leveling (b) | | Micro irrigation ( c ) | | Construction of Field, intermediate and link drains (d) | | Correction of System Difficiency (e) | | Onetime grant to registered WUAs | | Estt Cost @ 10% of a, b , c , d & e | RRR of Water Bodies | | Other Atiivities | | |
| | | | | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Fin | Phy | Fin | Phy | Fin | Fin |
| **Yingkiong** | 1 | Sipan area MIC at Pugging village. | 14 | 14 | 49.00 | 0 | 0 | 14.00 | 0.17 | 13 | 5.85 | 7 | 3.50 | 1 | 0.50 | 13 | 0.78 | 0 | 0.00 | 14 | 0.17 | 1.06 | | | | | 61.03 |
| | 2 | Lobo area MIC at Pugging village. | 10 | 0 | 0 | 10 | 7.5 | 10.00 | 0.12 | 9 | 4.05 | 3 | 1.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.74 | | | | | 15.87 |
| | 3 | C/O MIP from Sipun Nala for Loleng Agril Land at Pugging | 10 | 0 | 0 | 10 | 7.5 | 10.00 | 0.12 | 9 | 4.05 | 5 | 2.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.84 | | | | | 16.97 |
| | 4 | MIP at Yombo nallah for Pering area at Pugging | 141 | 141 | 493.50 | 0 | 0 | 141 | 1.69 | 127 | 57.15 | 106 | 53.00 | 14 | 7.00 | 127 | 7.62 | 0 | 0.00 | 141 | 1.69 | 12.48 | | | | | 634.13 |
| | 5 | Tuying area MIC at Pugging village. | 3 | 0 | 0 | 3 | 2.25 | 3.00 | 0.04 | 3 | 1.35 | 1 | 0.50 | 0 | 0.00 | 3 | 0.18 | 3 | 0.24 | 3 | 0.04 | 0.23 | | | | | 4.82 |
| | 6 | MIP from Sipun nallah for Lollen | 40 | 40 | 140.00 | 0 | 0 | 40.00 | 0.48 | 36 | 16.20 | 30 | 15.00 | 4 | 2.00 | 36 | 2.16 | 0 | 0.00 | 40 | 0.48 | 3.54 | | | | | 179.86 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | area at Gette | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7 | Buri area MIC at Gette village. | 13 | 13 | 45.50 | 0 | 0 | 13.00 | 0.16 | 12 | 5.40 | 2 | 1.00 | 1 | 0.50 | 12 | 0.72 | 0 | 0.00 | 13 | 0.16 | 0.76 | | | | | 54.19 |
| | 8 | Sikking MIC at Gette village. | 25 | 0 | 0 | 25 | 18.75 | 25.00 | 0.30 | 23 | 10.35 | 6 | 3.00 | 2 | 1.00 | 23 | 1.38 | 13 | 1.04 | 25 | 0.30 | 1.68 | | | | | 37.80 |
| | 9 | MIP at Siking nallah for kyapong & Kemteng area at Gette | 145 | 145 | 507.50 | 0 | 0 | 145 | 1.74 | 131 | 58.95 | 109 | 54.50 | 14 | 7.00 | 131 | 7.86 | 0 | 0.00 | 145 | 1.74 | 12.83 | | | | | 652.12 |
| | 10 | Pipe irrigation for Jone area at Gette village | 10 | 0 | 0 | 10 | 7.5 | 10.00 | 0.12 | 9 | 4.05 | 3 | 1.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.74 | | | | | 15.87 |
| | 11 | Monyor area MIC at Sipet Korong at Gette village. | 9 | 0 | 0 | 9 | 6.75 | 9.00 | 0.11 | 8 | 3.60 | 2 | 1.00 | 1 | 0.50 | 8 | 0.48 | 9 | 0.72 | 9 | 0.11 | 0.63 | | | | | 13.90 |
| | 12 | Ayi area MIC at Gette village. | 5 | 0 | 0 | 5 | 3.75 | 5.00 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | | | | | 7.67 |
| | 13 | Tikying area MIC at Yingkiong H.Q. | 12 | 12 | 42.00 | 0 | 0 | 12.00 | 0.14 | 11 | 4.95 | 3 | 1.50 | 1 | 0.50 | 11 | 0.66 | 0 | 0.00 | 12 | 0.14 | 0.76 | | | | | 50.66 |
| | 14 | MIP at Rene area for Kombo agril field at Yingkiong | 15 | 15 | 52.50 | 0 | 0.00 | 15 | 0.180 | 14 | 6.30 | 0 | 0.00 | 1 | 0.50 | 14 | 0.84 | 0 | 0.00 | 15 | 0.18 | 0.76 | | | | | 61.26 |
| | 15 | MIP from Simu Nallah to Moman area at Haleng | 10 | 10 | 35.00 | 10 | 7.5 | 10.00 | 0.12 | 9 | 4.05 | 3 | 1.50 | 1 | 0.50 | 9 | 0.54 | 6 | 0.48 | 10 | 0.12 | 0.71 | | | | | 50.52 |
| | 16 | MIP from Siyeng Nala at Hallang area at Haleng village | 130 | 130 | 455.00 | 0 | 0 | 130 | 1.56 | 117 | 52.65 | 33 | 16.50 | 13 | 6.50 | 117 | 7.02 | 0 | 0.00 | 130 | 1.56 | 8.27 | | | | | 549.06 |
| | 17 | MIP at Ngaying area at Haleng | 5 | 0 | 0 | 5 | 3.75 | 5.00 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.45 | | | | | 8.77 |
| | 18 | Siyeng Korong MIP at Simong vilaage | 150 | 0 | 0 | 150 | 112.5 | 150.00 | 1.80 | 135 | 60.75 | 113 | 56.50 | 15 | 7.50 | 135 | 8.10 | 150 | 12.00 | 150 | 1.80 | 14.49 | | | | | 275.44 |
| | 19 | Renovation of C C Channel at Nyomnyung cultivation field at | 50 | 0 | 0 | 50 | 37.5 | 50.00 | 0.60 | 45 | 20.25 | 13 | 6.50 | 5 | 2.50 | 45 | 2.70 | 50 | 4.00 | 50 | 0.60 | 3.60 | | | | | 78.25 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Simong | | | | | | | | | | | | | | | | | | | | | | | | |
| | 20 | Sire area MIC at Simong village. | 30 | 0 | 0 | 30 | 22.5 | 30.00 | 0.36 | 27 | 12.15 | 8 | 4.00 | 3 | 1.50 | 27 | 1.62 | 30 | 2.40 | 30 | 0.36 | 2.17 | | | | | 47.06 |
| | 21 | Modang Kunte area MIC at Simong village. | 15 | 0 | 0 | 15 | 11.25 | 15.00 | 0.18 | 14 | 6.30 | 4 | 2.00 | 1 | 0.50 | 14 | 0.84 | 15 | 1.20 | 15 | 0.18 | 1.08 | | | | | 23.53 |
| | 22 | MIP for Dabo and Moman area from Dabo Nala at Simong | 30 | 30 | 105.00 | 0 | 0 | 30 | 0.36 | 27 | 12.15 | 23 | 11.50 | 3 | 1.50 | 27 | 1.62 | 0 | 0.00 | 30 | 0.36 | 2.68 | | | | | 135.17 |
| | 23 | Jotto MIP at Simong village | 10 | 0 | 0 | 10 | 7.5 | 10.00 | 0.12 | 9 | 4.05 | 3 | 1.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.74 | | | | | 15.87 |
| | 24 | MIC from Siyeng Nala to Jorak area at Simong | 15 | 0 | 0 | 15 | 11.25 | 15.00 | 0.18 | 14 | 6.30 | 4 | 2.00 | 1 | 0.50 | 14 | 0.84 | 15 | 1.20 | 15 | 0.18 | 1.08 | | | | | 23.53 |
| | 25 | MIP at Joho area from Siyeng Nallah at Gobuk | 20 | 20 | 70.00 | 0 | 0 | 20.00 | 0.24 | 18 | 8.10 | 15 | 7.50 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.77 | | | | | 89.93 |
| | 26 | Kopik area MIC at Gobuk village. | 25 | 0 | 0 | 25 | 18.75 | 25.00 | 0.30 | 23 | 10.35 | 6 | 3.00 | 2 | 1.00 | 23 | 1.38 | 25 | 2.00 | 25 | 0.30 | 1.77 | | | | | 38.85 |
| | 27 | Irrigation Channel from Hidir Stream to Dorlek Area at Gobuk | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 5 | 2.50 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.27 | | | | | 84.43 |
| | 28 | Japang area MIC at Gobuk village. | 20 | 0 | 0 | 20 | 15 | 20.00 | 0.24 | 18 | 8.10 | 5 | 2.50 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.43 | | | | | 31.19 |
| | 29 | C/O MIP for Rokbung Agril field at Gobuk village. | 10 | 0 | 0 | 10 | 7.5 | 10.00 | 0.12 | 9 | 4.05 | 3 | 1.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.74 | | | | | 15.87 |
| | 30 | Rai area MIC at Gobuk village. | 6 | 0 | 0 | 6 | 4.5 | 6.00 | 0.07 | 5 | 2.25 | 2 | 1.00 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.45 | | | | | 9.62 |
| | 31 | Rebik area MIC at Gobuk village. | 6 | 0 | 0 | 6 | 4.5 | 6.00 | 0.07 | 5 | 2.25 | 3 | 1.50 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.50 | | | | | 10.17 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | R R R of Water Bodies | 7.3 | | | | | | | | | | | | | | | | | | | | 7.30 | 3.29 | | | 3.29 |
| | | Establishment of solar pump for irrigation under non conventional energy management scheme | | | | | | | | | | | | | | | | | | | | | | | 16.00 | 84.85 | 84.85 |
| | 32 | Cluster of MI schemes under Yingkiong - I. | 59 | 0 | 0 | 0 | 0 | 59.00 | 0.71 | 53 | 23.85 | 27 | 13.50 | 6 | 3.00 | 53 | 3.18 | 0 | 0.00 | 59 | 0.71 | 4.35 | | | | | 49.30 |
| | | **Sub Total =** | **1070.3** | **590** | **2065** | **424** | **318.00** | **1063** | **12.756** | **961** | **432.45** | **551** | **275.5** | **102** | **51** | **961** | **57.66** | **408** | **32.64** | **1063** | **12.756** | **84.95** | **7.3** | **3.29** | **16** | **84.852** | **3430.85** |
| **Jenggin g** | 33 | C/o Cidi Korong MIC at Bomdo | 50 | 0 | 0 | 50 | 37.5 | 50.00 | 0.60 | 45 | 20.25 | 8 | 4.00 | 5 | 2.50 | 45 | 2.70 | 50 | 4.00 | 50 | 0.60 | 3.35 | | | | | 75.50 |
| | 34 | C/O MIC for Gong Nallah to Pigging area at Janbo | 5 | 0 | 0 | 5 | 3.75 | 5.00 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | | | | | 7.67 |
| | 35 | MIP For Muying area from Siiyo at Janbo Village | 260 | 260 | 910.00 | 0 | 0 | 260 | 3.12 | 234 | 105.30 | 156 | 78.00 | 26 | 13.00 | 234 | 14.04 | 0 | 0.00 | 260 | 3.12 | 21.03 | | | | | 1147.61 |
| | 36 | C/o MIP for Tusi area at Janbo | 10 | 0 | 0 | 10 | 7.5 | 10.00 | 0.12 | 9 | 4.05 | 2 | 1.00 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.69 | | | | | 15.32 |
| | 37 | C/O MIC/Earth cutting at Sikit nallah to Ramkak area at Gossang | 6 | 0 | 0 | 6 | 4.5 | 6.00 | 0.07 | 5 | 2.25 | 1 | 0.50 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.40 | | | | | 9.07 |
| | 38 | C/O Dangbir nallah to Kejeagot area at Gossang | 8 | 0 | 0 | 8 | 6 | 8.00 | 0.10 | 7 | 3.15 | 1 | 0.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.52 | | | | | 11.92 |
| | 39 | C/O MIC/CC lining at Sirup nallah to Lower Ngoung area WRC field at Gossang | 6 | 0 | 0 | 6 | 4.5 | 6.00 | 0.07 | 5 | 2.25 | 1 | 0.50 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.40 | | | | | 9.07 |
| | 40 | MIP for Pokying area from sirup Nallah at Gossang | 32 | 32 | 112.00 | 0 | 0 | 32 | 0.38 | 29 | 13.05 | 16 | 8.00 | 3 | 1.50 | 29 | 1.74 | 0 | 0.00 | 32 | 0.38 | 2.43 | | | | | 139.49 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 41 | C/o CC Linning for Upper and Lower siri area at Gossang | 100 | 0 | 0 | 100 | 75 | 100.00 | 1.20 | 90 | 40.50 | 15 | 7.50 | 10 | 5.00 | 90 | 5.40 | 100 | 8.00 | 100 | 1.20 | 6.64 | | | | | 150.44 |
| | 42 | C/O CC lining from Sinyu nallah to Yoying area at Karko | 10 | 0 | 0 | 10 | 7.5 | 10.00 | 0.12 | 9 | 4.05 | 2 | 1.00 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.69 | | | | | 15.32 |
| | 43 | C/O CC linning from Sisup Korong to lower Lidum at Karko | 8 | 0 | 0 | 8 | 6 | 8.00 | 0.10 | 7 | 3.15 | 1 | 0.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.52 | | | | | 11.92 |
| | 44 | C/O CC lining from Sisup nallah to Kinying area at Karko | 12 | 0 | 0 | 12 | 9 | 12.00 | 0.14 | 11 | 4.95 | 2 | 1.00 | 1 | 0.50 | 11 | 0.66 | 12 | 0.96 | 12 | 0.14 | 0.81 | | | | | 18.17 |
| | 45 | C/O CC lining from Sigong nallah to Gorak paddy field at Karko | 8 | 0 | 0 | 8 | 6 | 8.00 | 0.10 | 7 | 3.15 | 1 | 0.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.52 | | | | | 11.92 |
| | 46 | MIP for Sitong area from sisup Nallah at Karko. | 100 | 100 | 350.00 | 0 | 0 | 100 | 1.20 | 90 | 40.50 | 51 | 25.50 | 10 | 5.00 | 90 | 5.40 | 0 | 0.00 | 100 | 1.20 | 7.64 | | | | | 436.44 |
| | 47 | MIP for Yoying Nallah via Detu to Yoying area karko | 4 | 0 | 0 | 4 | 3 | 4.00 | 0.05 | 4 | 1.80 | 1 | 0.50 | 0 | 0.00 | 4 | 0.24 | 4 | 0.32 | 4 | 0.05 | 0.29 | | | | | 6.25 |
| | 48 | MIP for Gurbung area from Sisup Nallal at Karko Village. | 19 | 0 | 0 | 19 | 14.25 | 19.00 | 0.23 | 17 | 7.65 | 5 | 2.50 | 2 | 1.00 | 17 | 1.02 | 19 | 1.52 | 19 | 0.23 | 1.37 | | | | | 29.77 |
| | 49 | MIP for Sinyo to Yoying area from Sinyu Nalla Karko | 3 | 0 | 0 | 3 | 2.25 | 3.00 | 0.04 | 3 | 1.35 | 1 | 0.50 | 0 | 0.00 | 3 | 0.18 | 3 | 0.24 | 3 | 0.04 | 0.23 | | | | | 4.82 |
| | 50 | C/O MIC for Kome WRC field at kinekibo village | 20 | 0 | 0 | 20 | 15 | 20.00 | 0.24 | 18 | 8.10 | 3 | 1.50 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.33 | | | | | 30.09 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 51 | C/o MIP for Upper Jelong area from Sidok stream at Jengging | 6 | 6 | 21.00 | 0 | 0 | 6.00 | 0.07 | 5 | 2.25 | 3 | 1.50 | 1 | 0.50 | 5 | 0.30 | 0 | 0.00 | 6 | 0.07 | 0.46 | | | | | 26.15 |
| | 52 | Cluster of MI schemes under Jengging -I | 34 | 0 | 0 | 0 | 0 | 34.00 | 0.41 | 31 | 13.95 | 15 | 7.50 | 3 | 1.50 | 31 | 1.86 | 0 | 0.00 | 34 | 0.41 | 2.48 | | | | | 28.11 |
| | | **Sub Total =** | **701** | **398** | **1393** | **269** | **201.75** | **701** | **8.412** | **631** | **283.95** | **286** | **143** | **70** | **35** | **631** | **37.86** | **269** | **21.52** | **701** | **8.412** | **52.15** | | | | | **2185.05** |
| **Mariyang** | 53 | MIC for Kamkeng WRC field at Damro Kumku Village | 6 | 6 | 21.00 | 0 | 0 | 6.00 | 0.07 | 5 | 2.25 | 5 | 2.50 | 1 | 0.50 | 5 | 0.30 | 0 | 0.00 | 6 | 0.07 | 0.56 | | | | | 27.25 |
| | 54 | C/o MIP for Barem Agril. Land from Sipa Korong at Damroh Kumku. | 57 | 57 | 199.50 | 0 | 0 | 57 | 0.68 | 51 | 22.95 | 43 | 21.50 | 6 | 3.00 | 51 | 3.06 | 0 | 0.00 | 57 | 0.68 | 5.05 | | | | | 256.43 |
| | 55 | MIP for Laying Area from Siku and Damang Stream at Damro Gidum | 16 | 16 | 56.00 | 0 | 0 | 16.00 | 0.19 | 14 | 6.30 | 12 | 6.00 | 2 | 1.00 | 14 | 0.84 | 0 | 0.00 | 16 | 0.19 | 1.41 | | | | | 71.93 |
| | 56 | MIP for Yayong agril land from sibul korong at Damroh Gidum | 8 | 0 | 0 | 8 | 6 | 8.00 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | | | | | 12.47 |
| | 57 | Kupak Korong MIC for Korengi area at Damro Gingkong Village | 4 | 4 | 14.00 | 0 | 0.00 | 4.00 | 0.05 | 4 | 1.80 | 3 | 1.50 | 0 | 0.00 | 4 | 0.24 | 0 | 0.00 | 4 | 0.05 | 0.35 | | | | | 17.99 |
| | 58 | Construction of MIC at Gero area Damro Gidum/ Remgeng Ph - I | 184 | 184 | 644 | 0 | 0 | 184 | 2.21 | 166 | 74.70 | 94 | 47.00 | 18 | 9.00 | 166 | 9.96 | 0 | 0.00 | 184 | 2.21 | 14.07 | | | | | 803.15 |
| | 59 | MIP for Sisayang area from Sikung Stream at Damro Gingkong. | 25 | 25 | 87.50 | 0 | 0 | 25 | 0.30 | 23 | 10.35 | 19 | 9.50 | 2 | 1.00 | 23 | 1.38 | 0 | 0.00 | 25 | 0.30 | 2.22 | | | | | 112.55 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 60 | Domiyang MIP at Gueng agri. field at Damro Gingkong Village | 7 | 0 | 0 | 7 | 5.25 | 7.00 | 0.08 | 6 | 2.70 | 1 | 0.50 | 1 | 0.50 | 6 | 0.36 | 7 | 0.56 | 7 | 0.08 | 0.46 | | | | | 10.50 |
| | 61 | Morom MIP at Damro Gingkong Village | 60 | 0 | 0 | 60 | 45 | 60.00 | 0.72 | 54 | 24.30 | 9 | 4.50 | 6 | 3.00 | 54 | 3.24 | 60 | 4.80 | 60 | 0.72 | 3.98 | | | | | 90.26 |
| | 62 | MIP for Koktung Area from Sibyung Stream at Boomi | 35 | 35 | 122.50 | 0 | 0.00 | 35.00 | 0.42 | 32 | 14.40 | 28 | 14.00 | 3 | 1.50 | 32 | 1.92 | 0 | 0.00 | 35 | 0.42 | 3.18 | | | | | 158.34 |
| | 63 | MIP for Siggang Area from Siggang Stream at Milang Lanpong | 51 | 51 | 178.50 | 0 | 0.00 | 51.00 | 0.61 | 46 | 20.70 | 41 | 20.50 | 5 | 2.50 | 46 | 2.76 | 0 | 0.00 | 51 | 0.61 | 4.65 | | | | | 230.83 |
| | 64 | Irrigation channel from Sipi river to Yunge-Sarol & Hala Romyang WRC field at Milang Lanpong. | 374 | 374 | 1309.00 | 0 | 0 | 374 | 4.49 | 337 | 151.65 | 281 | 140.50 | 37 | 18.50 | 337 | 20.22 | 0 | 0.00 | 374 | 4.49 | 33.09 | | | | | 1681.94 |
| | 65 | MIC for Sika area of New Milang Langdum LangkongVillage | 3 | 3 | 10.50 | 0 | 0.00 | 3.00 | 0.04 | 3 | 1.35 | 2 | 1.00 | 0 | 0.00 | 3 | 0.18 | 0 | 0.00 | 3 | 0.04 | 0.25 | | | | | 13.35 |
| | 66 | MIP From Rokbung Korong to Tongkae Area of New Milang langdum Langkong | 3 | 3 | 10.50 | 0 | 0.00 | 3.00 | 0.04 | 3 | 1.35 | 2 | 1.00 | 0 | 0.00 | 3 | 0.18 | 0 | 0.00 | 3 | 0.04 | 0.25 | | | | | 13.35 |
| | 67 | MIC from Hatnyi Korong to Nogo area at New Milang | 6 | 6 | 21.00 | 0 | 0.00 | 6.00 | 0.07 | 5 | 2.25 | 5 | 2.50 | 1 | 0.50 | 5 | 0.30 | 0 | 0.00 | 6 | 0.07 | 0.56 | | | | | 27.25 |
| | 68 | MIP for yomyang Area from Sok stream at Peki Modi | 48 | 0 | 0 | 48 | 36 | 48.00 | 0.58 | 43 | 19.35 | 10 | 5.00 | 5 | 2.50 | 43 | 2.58 | 48 | 3.84 | 48 | 0.58 | 3.33 | | | | | 73.75 |
| | 69 | MIP for Siyat area | 140 | 140 | 490.00 | 0 | 0 | 140 | 1.68 | 126 | 56.70 | 105 | 52.50 | 14 | 7.00 | 126 | 7.56 | 0 | 0.00 | 140 | 1.68 | 12.38 | | | | | 629.50 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | from Siyat Stream at Adi Pasi Sibuk | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | RR R of Water Bodies | 7 | | | | | | | | | | | | | | | | | | | | | 7.00 | 3.15 | | | 3.15 |
| | | Establishment of solar pump for irrigation under non conventional energy management scheme | | | | | | | | | | | | | | | | | | | | | | | | 25.00 | 145.38 | 145.38 |
| | 70 | MIP for Jibyang Arik from sising Nallah at Siyat camp | 27 | 27 | 94.50 | 0 | 0.00 | 27.00 | 0.32 | 24 | 10.80 | 22 | 11.00 | 3 | 1.50 | 24 | 1.44 | 0 | 0.00 | 27 | 0.32 | 2.47 | | | | | | 122.36 |
| | | **Sub Total =** | **1061** | **931** | **3258.5** | **123** | **92.25** | **1054** | **12.65** | **949** | **427.05** | **684** | **342.00** | **105** | **52.50** | **949** | **56.94** | **123** | **9.84** | **1054** | **12.65** | **88.83** | **7** | **3.15** | **25** | **145.38** | **4501.74** |
| **Geku** | 71 | MIP at Sikon,Sijum, Sipo Sirang nallah for Mone area Komkar (Buksang) | 300 | 300 | 1050.00 | 0 | 0 | 300.00 | 3.60 | 270 | 121.50 | 180 | 90.00 | 30 | 15.00 | 270 | 16.20 | 0 | 0.00 | 300 | 3.60 | 24.27 | | | | | | 1324.17 |
| | 72 | MIP for Burum Area from Sigung Nallah at Komkar (Buksang). | 18 | 18 | 63.00 | 0 | 0 | 18.00 | 0.22 | 16 | 7.20 | 14 | 7.00 | 2 | 1.00 | 16 | 0.96 | 0 | 0.00 | 18 | 0.22 | 1.62 | | | | | | 81.21 |
| | 73 | MIP at for Kumlum Agril. Land from Sijum Nallah at Komkar ( Buksang) . | 8 | 8 | 28.00 | 0 | 0 | 8.00 | 0.10 | 7 | 3.15 | 6 | 3.00 | 1 | 0.50 | 7 | 0.42 | 0 | 0.00 | 8 | 0.10 | 0.71 | | | | | | 35.97 |
| | 74 | Sikko Korong MIC at Komkar (Buksang) | 120 | 0 | 0 | 120 | 90 | 120.00 | 1.44 | 108 | 48.60 | 18 | 9.00 | 12 | 6.00 | 108 | 6.48 | 120 | 9.60 | 120 | 1.44 | 7.97 | | | | | | 180.53 |
| | 75 | MIP at Silli River for Mouling Area Ramku | 29 | 29 | 101.50 | 0 | 0 | 29.00 | 0.35 | 26 | 11.70 | 22 | 11.00 | 3 | 1.50 | 26 | 1.56 | 0 | 0.00 | 29 | 0.35 | 2.58 | | | | | | 130.54 |
| | 76 | CC channel from Siyit to Kompang area at Geku-Kumku village. | 4 | 4 | 14.00 | 0 | 0 | 4.00 | 0.05 | 4 | 1.80 | 3 | 1.50 | 0 | 0.00 | 4 | 0.24 | 0 | 0.00 | 4 | 0.05 | 0.35 | | | | | | 17.99 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 77 | Siang MICfor Taku area at Sumsing village. | 18 | 0 | 0 | 18 | 13.5 | 18.00 | 0.22 | 16 | 7.20 | 2 | 1.00 | 2 | 1.00 | 16 | 0.96 | 18 | 1.44 | 18 | 0.22 | 1.16 | | | | | 26.69 |
| | 78 | Sa Korong MIC Sarsing area at Geku | 4 | 4 | 14.00 | 0 | 0 | 4.00 | 0.05 | 4 | 1.80 | 3 | 1.50 | 0 | 0.00 | 4 | 0.24 | 0 | 0.00 | 4 | 0.05 | 0.35 | | | | | 17.99 |
| | 79 | MIP at Sarging area at Geku | 4 | 4 | 14.00 | 0 | 0 | 4.00 | 0.05 | 4 | 1.80 | 2 | 1.00 | 0 | 0.00 | 4 | 0.24 | 0 | 0.00 | 4 | 0.05 | 0.30 | | | | | 17.44 |
| | 80 | MIP at Situm arko C/ Area at Geku Village. | 38 | 38 | 133.00 | 0 | 0 | 38.00 | 0.46 | 34 | 15.30 | 29 | 14.50 | 4 | 2.00 | 34 | 2.04 | 0 | 0.00 | 38 | 0.46 | 3.38 | | | | | 171.13 |
| | 81 | MIP at Sikem nallah for poming area at Geku | 156 | 156 | 546.00 | 0 | 0 | 156 | 1.87 | 140 | 63.00 | 111 | 55.50 | 16 | 8.00 | 140 | 8.40 | 0 | 0.00 | 156 | 1.87 | 13.49 | | | | | 698.13 |
| | 82 | MIP at Siyam nallah for Raro area at Geku | 253 | 253 | 885.50 | 0 | 0 | 253 | 3.04 | 228 | 102.60 | 177 | 88.50 | 25 | 12.50 | 228 | 13.68 | 0 | 0.00 | 253 | 3.04 | 21.73 | | | | | 1130.58 |
| | 83 | MIC from Siyit Korong to Bum Kopang area at Geku village | 6 | 0 | 0 | 6 | 4.5 | 6.00 | 0.07 | 5 | 2.25 | 2 | 1.00 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.45 | | | | | 9.62 |
| | 84 | MIP at sirang nallah for damuk area Sibum | 656 | 656 | 2296.00 | 0 | 0 | 656.00 | 7.87 | 590 | 265.50 | 492 | 246.00 | 66 | 33.00 | 590 | 35.40 | 0 | 0.00 | 656 | 7.87 | 57.99 | | | | | 2949.63 |
| | 85 | C.C Lining for Leying area at Pongging village | 32 | 0 | 0 | 32 | 24 | 32.00 | 0.38 | 29 | 13.05 | 3 | 1.50 | 3 | 1.50 | 29 | 1.74 | 32 | 2.56 | 32 | 0.38 | 2.04 | | | | | 47.16 |
| | 86 | MIC from Dumyang korong to pirying Moyong WRC field at Silli village. | 3 | 3 | 10.50 | 0 | 0 | 3.00 | 0.04 | 3 | 1.35 | 2 | 1.00 | 0 | 0.00 | 3 | 0.18 | 0 | 0.00 | 3 | 0.04 | 0.25 | | | | | 13.35 |
| | 87 | Irying Area MIP at Silli | 72 | 72 | 252.00 | 0 | 0 | 72.00 | 0.86 | 65 | 29.25 | 0 | 0.00 | 7 | 3.50 | 65 | 3.90 | 0 | 0.00 | 72 | 0.86 | 3.67 | | | | | 294.05 |
| | | **Sub Total =** | **1721** | **1545** | **5407.5** | **176** | **132** | **1721** | **20.65** | **1549** | **697.05** | **1066** | **533.00** | **172** | **86** | **1549** | **92.94** | **176** | **14.08** | **1721** | **20.65** | **142.31** | | | | | **7146.18** |
| **Tuting** | 88 | MIP at Pering area from Himang Korong of Zido Village | 150 | 150 | 525.00 | 0 | 0 | 150.00 | 1.80 | 135 | 60.75 | 90 | 45.00 | 15 | 7.50 | 135 | 8.10 | 0 | 0.00 | 150 | 1.80 | 12.14 | | | | | 662.09 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 89 | Renovation of CC lining for Paring MIC for Jido | 76 | 0 | 0 | 76 | 57 | 76.00 | 0.91 | 68 | 30.60 | 8 | 4.00 | 8 | 4.00 | 68 | 4.08 | 76 | 6.08 | 76 | 0.91 | 4.88 | | | | | 112.46 |
| | 90 | Sime MIP at jido Village | 3 | 3 | 10.50 | 0 | 0 | 3.00 | 0.04 | 3 | 1.35 | 2 | 1.00 | 0 | 0.00 | 3 | 0.18 | 3 | 0.24 | 3 | 0.04 | 0.28 | | | | | 13.62 |
| | 91 | C/O Mamang MIC for Mamang area at Ngaming. | 3 | 3 | 10.50 | 0 | 0 | 3.00 | 0.04 | 3 | 1.35 | 2 | 1.00 | 0 | 0.00 | 3 | 0.18 | 0 | 0.00 | 3 | 0.04 | 0.25 | | | | | 13.35 |
| | 92 | C/O MIC from Siyik Korong for Koja & Lomang area at Ngaming. | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.15 | | | | | 8.72 |
| | 93 | C/O Siken MIC for Gotak WRC Field at Ngaming. | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.15 | | | | | 8.72 |
| | 94 | Renovation of Ngaming Vill | 8 | 0 | 0 | 8 | 6 | 8.00 | 0.10 | 7 | 3.15 | 1 | 0.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.52 | | | | | 11.92 |
| | 95 | Renovation of Hike Korong MIP at Ngaming Vill | 5 | 0 | 0 | 5 | 3.75 | 5.00 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | | | | | 7.67 |
| | 96 | C/o MIC for Sirung Nala to Tiyung WRC field at Ningging | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.15 | | | | | 8.72 |
| | 97 | Renovation of Sippi area MIC at Ningging | 25 | 0 | 0 | 25 | 18.75 | 25.00 | 0.30 | 23 | 10.35 | 6 | 3.00 | 2 | 1.00 | 23 | 1.38 | 25 | 2.00 | 25 | 0.30 | 1.77 | | | | | 38.85 |
| | 98 | C/O C.C Lining for Sigang Nallah to Purung WRC Field at Purung Tuting | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 2 | 1.00 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.20 | | | | | 9.27 |
| | 99 | C/O Sinyeng MIC for Jobo area at Tuting. | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 2 | 1.00 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.20 | | | | | 9.27 |
| | 100 | C/O Gune MIC for Gune area at Tuting. | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 2 | 1.00 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.20 | | | | | 9.27 |
| | 101 | C/O Simar Nallah to Dongkor | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 2 | 1.00 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.20 | | | | | 9.27 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | area at Tuting. | | | | | | | | | | | | | | | | | | | | | | | | |
| | 102 | C/O MIC for Keteng Simar Nallah for Meyi area at Tuting. | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 2 | 1.00 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.20 | | | | | 9.27 |
| | 103 | MIC from Kinggong Nala to Ngekong Area at Tuting | 10 | 10 | 35.00 | 0 | 0 | 10.00 | 0.12 | 9 | 4.05 | 1 | 0.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.56 | | | | | 41.39 |
| | 104 | Renovation of MIC for Moyi area at Tuting | 35 | 0 | 0 | 35 | 26.25 | 35.00 | 0.42 | 32 | 14.40 | 4 | 2.00 | 3 | 1.50 | 32 | 1.92 | 35 | 2.80 | 35 | 0.42 | 2.26 | | | | | 51.97 |
| | 105 | Renovation of Elung MIP at Tuting near Township | 5 | 0 | 0 | 5 | 3.75 | 5.00 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | | | | | 7.67 |
| | 106 | C/O MIC for Silang Korong to Silang area at Mosing. | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.15 | | | | | 8.72 |
| | 107 | Renovation of CC channel in Koying area in Mossing | 30 | 0 | 0 | 30 | 22.5 | 30.00 | 0.36 | 27 | 12.15 | 3 | 1.50 | 3 | 1.50 | 27 | 1.62 | 30 | 2.40 | 30 | 0.36 | 1.92 | | | | | 44.31 |
| | 108 | Renovation of CC channel in Norbung area in Pango Vill | 30 | 0 | 0 | 30 | 22.5 | 30.00 | 0.36 | 27 | 12.15 | 3 | 1.50 | 3 | 1.50 | 27 | 1.62 | 30 | 2.40 | 30 | 0.36 | 1.92 | | | | | 44.31 |
| | 109 | Renovation of Curbung area at Panggo Vill | 10 | 0 | 0 | 10 | 7.5 | 10.00 | 0.12 | 9 | 4.05 | 1 | 0.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.64 | | | | | 14.77 |
| | 110 | C/o Nayang Nalah to Yombo area at Migging | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.15 | | | | | 8.72 |
| | 111 | C/o Silang MIC at Koying WRC at Migging | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.15 | | | | | 8.72 |
| | 112 | Renovation of MIP for Momi area at Migging | 25 | 0 | 0 | 25 | 18.75 | 25.00 | 0.30 | 23 | 10.35 | 5 | 2.50 | 2 | 1.00 | 23 | 1.38 | 25 | 2.00 | 25 | 0.30 | 1.72 | | | | | 38.30 |
| | 113 | C/o Koming MIC at Singging | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 2 | 0.16 | 2 | 0.02 | 0.17 | | | | | 8.90 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 114 | Renovation of CC channel in Memba area in Singging Vill | 19 | 0 | 0 | 19 | 14.25 | 19.00 | 0.23 | 17 | 7.65 | 2 | 1.00 | 2 | 1.00 | 17 | 1.02 | 19 | 1.52 | 19 | 0.23 | 1.22 | | | | | 28.12 |
| | 115 | C/o Hiker korong for Lagging area at Likor | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.15 | | | | | 8.72 |
| | 116 | Heer MIC at Likor Village | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | | | | | 44.14 |
| | 117 | Renovation of CC channel for Lerak area MIP at Likor Vill | 10 | 0 | 0 | 10 | 7.5 | 10.00 | 0.12 | 9 | 4.05 | 2 | 1.00 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.69 | | | | | 15.32 |
| | 118 | Rapet MIC at Palling | 8 | 8 | 28 | 0 | 0 | 8 | 0.10 | 7 | 3.15 | 6 | 3.00 | 1 | 0.50 | 7 | 0.42 | 0 | 0.00 | 8 | 0.10 | 0.71 | | | | | 35.97 |
| | 119 | Cluster of MIP schemes at Tuting -I | 37 | 0 | 0 | 0 | 0 | 37.00 | 0.44 | 33 | 14.85 | 17 | 8.50 | 4 | 2.00 | 33 | 1.98 | 0 | 0.00 | 37 | 0.44 | 2.73 | | | | | 30.95 |
| | | **Sub Total =** | **525** | **210** | **735** | **278** | **208.5** | **525** | **6.3** | **477** | **214.65** | **179** | **89.5** | **48** | **24** | **477** | **28.62** | **283** | **22.64** | **525** | **6.3** | **37.94** | | | | | **1373.45** |
| **Singa - Galling** | 120 | C/O MIC from Dabur Nallah to Dongkor area at Mayung | 2 | 2 | 7.00 | 0 | 0 | 2 | 0.02 | 2 | 0.90 | 0 | 0.00 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.10 | | | | | 8.17 |
| | 121 | C/O Sipi Chur MIC at Gelling. | 2 | 2 | 7.00 | 0 | 0 | 2 | 0.02 | 2 | 0.90 | 0 | 0.00 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.10 | | | | | 8.17 |
| | 122 | C/O Silingri MIC for Damsang area at Gelling. | 2 | 2 | 7.00 | 0 | 0 | 2 | 0.02 | 2 | 0.90 | 2 | 1.00 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.20 | | | | | 9.27 |
| | 123 | Tsaburi MIP at Gelling | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 0 | 0.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.51 | | | | | 40.84 |
| | 124 | Simuk MIP for Barsampa area at Gelling | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 2 | 1.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.61 | | | | | 41.94 |
| | 125 | Renovation of Lottingch MIP at Mankota Vill | 10 | 0 | 0 | 10 | 4.5 | 10.00 | 0.12 | 9 | 4.05 | 1 | 0.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.64 | | | | | 11.77 |
| | 126 | C/O Charachu to Khando MIC at | 2 | 2 | 5.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.15 | | | | | 6.72 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Tashigoang. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 127 | Aomachi MIP for Simuge | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 0 | 0.00 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.02 | | | | | 81.68 |
| | 128 | MIP for Chapa area at Singga (Hq) | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 0 | 0.00 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.02 | | | | | 81.68 |
| | 129 | C/o. Abapa MIC at Simuge | 5 | 5 | 12.50 | 0 | 0 | 5.00 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.41 | | | | | 17.08 |
| | 130 | MIP for Naksachu for Yamedem area at Singga (Hq) | 20 | 20 | 50.00 | 0 | 0 | 20.00 | 0.24 | 18 | 8.10 | 15 | 7.50 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.77 | | | | | 69.93 |
| | 131 | Renovation of MIP for Bona area at Bona vill | 8 | 0 | 0 | 8 | 3.6 | 8.00 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | | | | | 10.07 |
| | | **Sub Total =** | **111** | **93** | **298.5** | **18** | **8.1** | **111** | **1.33** | **101** | **45.45** | **26** | **13.00** | **10** | **5.00** | **101** | **6.06** | **18** | **1.44** | **111** | **1.33** | **7.10** | | | | | **387.31** |
| | | **G/Total =** | **5189.3** | **3767** | **13158** | **1288** | **960.6** | **5175** | **62.10** | **4668** | **2100.60** | **2792** | **1396.00** | **507** | **253.50** | **4668** | **280.08** | **1277** | **102.16** | **5175** | **62.10** | **413.28** | **14.30** | **6.44** | **41.00** | **230.23** | **19024.59** |

## C. 3rd Year: 2017 - 18 (Har Khet Ko Pani)

| Sl No | Name of Scheme | CCA in Ha | Creation of new water sources | | repair, restoration and renovation of defunct water sources | | Command Area Development and Water Management (CAD&WM) Programme | | | | | | | | | | | | | | | G/Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Surface Minor Irrigation | | Renovation of Existing Surface MI Schemes | | Survey, Planning and designing of OFD Works | | Lined channels | | Mechanised land leveling | | Micro irrigation | | Construction of Field, intermediate and link drains | | Correction of System Difficiency | | Onetime grant to registered WUAs | | Estt Cost @ 10% of a, b , c , d & e | |
| | | | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Fin | Fin |
| 1 | MIP at Sisi river for Goging area at Pugging | 119 | 119 | 416.50 | 0 | 0 | 119 | 1.43 | 107 | 48.15 | 89 | 44.50 | 12 | 6.00 | 107 | 6.42 | 0 | 0.00 | 119 | 1.43 | 10.51 | 534.94 |
| 2 | MIP for Mapur area at Pugging | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 12 | 6.00 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.78 | 35.04 |
| 3 | C/O MIC at Abo Nala at Abo cultivation field at Pugging | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 4 | 2.00 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.79 | 16.42 |
| 4 | MIP at Sirin River for Kyoying Area at Gette | 250 | 250 | 875.00 | 0 | 0 | 250 | 3.00 | 225 | 101.25 | 188 | 94.00 | 25 | 12.50 | 225 | 13.50 | 0 | 0.00 | 250 | 3.00 | 22.13 | 1124.38 |
| 5 | Sipet Korong MIC at Gette village. | 60 | 0 | 0 | 60 | 45.00 | 60 | 0.72 | 54 | 24.30 | 15 | 7.50 | 6 | 3.00 | 54 | 3.24 | 60 | 4.80 | 60 | 0.72 | 4.28 | 93.56 |
| 6 | C/O MIP at Sikur Korong for Gette Village. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| 7 | Gobi area MIC at Gette village. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| 8 | Ilung area MIC at Gette village. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| 9 | Mopang area MIC at Yingkiong H.Q. | 11 | 11 | 38.50 | 0 | 0.00 | 11 | 0.13 | 10 | 4.50 | 3 | 1.50 | 1 | 0.50 | 10 | 0.60 | 0 | 0.00 | 11 | 0.13 | 0.71 | 46.57 |
| 10 | Simar area MIC at Yingkiong H.Q. | 5 | 5 | 17.50 | 0 | 0.00 | 5 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.41 | 22.08 |
| 11 | MIP at Monyir from Sipat Korong at Yingkiong | 10 | 0 | 0.00 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 3 | 1.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.74 | 15.87 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | Persing area MIC at Yingkiong H.Q. | 1 | 1 | 3.50 | 0 | 0.00 | 1 | 0.012 | 1 | 0.45 | 0 | 0.00 | 0 | 0.00 | 1 | 0.06 | 0 | 0.00 | 1 | 0.01 | 0.05 | 4.08 |
| 13 | Lane area MIC at Halleng village. | 3 | 0 | 0 | 3 | 2.25 | 3 | 0.04 | 3 | 1.35 | 2 | 1.00 | 0 | 0.00 | 3 | 0.18 | 3 | 0.24 | 3 | 0.04 | 0.28 | 5.37 |
| 14 | Kikyang MIP at Haleng village | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 3 | 1.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.74 | 15.87 |
| 15 | MIP at sire nallah for Gampak area at Simong | 100 | 100 | 350.00 | 0 | 0 | 100 | 1.20 | 90 | 40.50 | 75 | 37.50 | 10 | 5.00 | 90 | 5.40 | 0 | 0.00 | 100 | 1.20 | 8.84 | 449.64 |
| 16 | Kamro MIP at Simong | 75 | 0 | 0 | 75 | 56.25 | 75 | 0.90 | 68 | 30.60 | 19 | 9.50 | 7 | 3.50 | 68 | 4.08 | 75 | 6.00 | 75 | 0.90 | 5.37 | 117.10 |
| 17 | Siyeng area MIC at Simong village. | 100 | 0 | 0 | 100 | 75.00 | 100 | 1.20 | 90 | 40.50 | 15 | 7.50 | 10 | 5.00 | 90 | 5.40 | 100 | 8.00 | 100 | 1.20 | 6.64 | 150.44 |
| 18 | Jorak area MIC at Simong village. | 4 | 0 | 0 | 4 | 3.00 | 4 | 0.05 | 4 | 1.80 | 2 | 1.00 | 0 | 0.00 | 4 | 0.24 | 4 | 0.32 | 4 | 0.05 | 0.34 | 6.80 |
| 19 | Jone area MIC at Simong village. | 5 | 0 | 0 | 5 | 3.75 | 5 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | 7.67 |
| 20 | MIP from Rading-Himu korong to Nyumnyung cultivation field at Simong. | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 3 | 1.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.74 | 15.87 |
| 21 | MIP of MIP at Modam cultivation area Simong Village. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 3 | 1.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.62 | 13.02 |
| 22 | C/o MIP for Pinying cultivation field at 12km Haleng Village. | 14 | 14 | 49.00 | 0 | 0 | 14 | 0.17 | 13 | 5.85 | 4 | 2.00 | 1 | 0.50 | 13 | 0.78 | 0 | 0.00 | 14 | 0.17 | 0.91 | 59.38 |
| 23 | Tapin area MIC at 11 km L/Camp. | 8 | 0 | 0 | 4 | 3.00 | 4.00 | 0.05 | 4 | 1.80 | 1 | 0.50 | 0 | 0.00 | 4 | 0.24 | 8 | 0.64 | 4 | 0.05 | 0.34 | 6.62 |
| 24 | Pobang area MIC at 11 km L/Camp. | 5 | 0 | 0 | 5 | 3.75 | 5 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | 7.67 |
| 25 | MIC for Raying to Sidar area at Gobuk | 13 | 0 | 0 | 13 | 9.75 | 13 | 0.16 | 12 | 5.40 | 3 | 1.50 | 1 | 0.50 | 12 | 0.72 | 13 | 1.04 | 13 | 0.16 | 0.92 | 20.14 |
| 26 | Singak area MIC at Gobuk village. | 30 | 0 | 0 | 30 | 22.50 | 30 | 0.36 | 27 | 12.15 | 11 | 5.50 | 3 | 1.50 | 27 | 1.62 | 30 | 2.40 | 30 | 0.36 | 2.32 | 48.71 |
| 27 | Jikam area MIC at Gobuk village. | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 5 | 2.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.84 | 16.97 |
| 28 | C/O MIP for Amkong Agril. Land from Tar Nallah at Gobuk . | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 4 | 2.00 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.79 | 16.42 |
| 29 | Naria area MIC at Gobuk village. | 6 | 0 | 0 | 6 | 4.50 | 6 | 0.07 | 5 | 2.25 | 2 | 1.00 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.45 | 9.62 |
| | **Sub Total =** | **921** | **500** | **1750** | **417** | **312.75** | **917** | **11.00** | **828** | **372.6** | **477** | **238.5** | **89** | **44.50** | **828** | **49.68** | **421** | **33.68** | **917** | **11.00** | **73.95** | **2897.67** |
| 30 | C/o Epong MIC (side) area at Bomdo | 40 | 0 | 0 | 40 | 30.00 | 40 | 0.48 | 36 | 16.20 | 4 | 2.00 | 4 | 2.00 | 36 | 2.16 | 40 | 3.20 | 40 | 0.48 | 2.56 | 59.08 |
| 32 | C/O Epong MIC at Bomdo Village. | 12 | 0 | 0 | 12 | 9.00 | 12 | 0.14 | 11 | 4.95 | 1 | 0.50 | 1 | 0.50 | 11 | 0.66 | 12 | 0.96 | 12 | 0.14 | 0.76 | 17.62 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 33 | C/O Sigit korong MIC for Yitbung area at Bomdo Village. | 9 | 0 | 0 | 9 | 6.75 | 9 | 0.11 | 8 | 3.60 | 1 | 0.50 | 1 | 0.50 | 8 | 0.48 | 9 | 0.72 | 9 | 0.11 | 0.58 | 13.35 |
| 34 | C/O C.C linning for Boyong area at Bomdo Village. | 11 | 0 | 0 | 11 | 8.25 | 11 | 0.13 | 10 | 4.50 | 1 | 0.50 | 1 | 0.50 | 10 | 0.60 | 11 | 0.88 | 11 | 0.13 | 0.70 | 16.19 |
| 35 | C/O C.C linning for Gong MIC for Satding area at Janbo Village | 5 | 5 | 17.50 | 0 | 0 | 5.00 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.41 | 22.08 |
| 36 | C/o Angong Korong MIC at Janbo | 80 | 0 | 0 | 80 | 60.00 | 80 | 0.96 | 72 | 32.40 | 8 | 4.00 | 8 | 4.00 | 72 | 4.32 | 80 | 6.40 | 80 | 0.96 | 5.11 | 118.15 |
| 37 | MIP for Gai Dumit area from siri Stream at Ramsing Village. | 262 | 262 | 917.00 | 0 | 0 | 262 | 3.14 | 236 | 106.20 | 157 | 78.50 | 26 | 13.00 | 236 | 14.16 | 0 | 0.00 | 262 | 3.14 | 21.19 | 1156.34 |
| 38 | MIP for Eatpom area from Over flow of Janbung and Onbung Stream at Ramsing Village. | 51 | 51 | 178.50 | 0 | 0 | 51 | 0.61 | 46 | 20.70 | 26 | 13.00 | 5 | 2.50 | 46 | 2.76 | 0 | 0.00 | 51 | 0.61 | 3.90 | 222.58 |
| 39 | MIP for Kumdung area from Onbung Stream at Ramsing Village. | 44 | 44 | 154.00 | 0 | 0 | 44 | 0.53 | 40 | 18.00 | 22 | 11.00 | 4 | 2.00 | 40 | 2.40 | 0 | 0.00 | 44 | 0.53 | 3.34 | 191.80 |
| 40 | C/o Lokpang area MIC at Ramsing | 16 | 0 | 0 | 16 | 12.00 | 16 | 0.19 | 14 | 6.30 | 2 | 1.00 | 2 | 1.00 | 14 | 0.84 | 16 | 1.28 | 16 | 0.19 | 1.04 | 23.84 |
| 41 | C/o Siring Korong MIC at Ramsing | 200 | 0 | 0 | 200 | 150.00 | 200 | 2.40 | 180 | 81.00 | 20 | 10.00 | 20 | 10.00 | 180 | 10.80 | 200 | 16.00 | 200 | 2.40 | 12.78 | 295.38 |
| 42 | MIP for Roding Dangkem area from siri Stream at Pitung Village. | 205 | 205 | 717.50 | 0 | 0 | 205 | 2.46 | 185 | 83.25 | 105 | 52.50 | 20 | 10.00 | 185 | 11.10 | 0 | 0.00 | 205 | 2.46 | 15.69 | 894.96 |
| 43 | MIP for Lower Tabeng area from siri Stream at Gossang | 18 | 18 | 63.00 | 0 | 0 | 18 | 0.22 | 16 | 7.20 | 9 | 4.50 | 2 | 1.00 | 16 | 0.96 | 0 | 0.00 | 18 | 0.22 | 1.37 | 78.46 |
| 44 | MIP of Dine area at Gossang | 60 | 0 | 0 | 60 | 45.00 | 60 | 0.72 | 54 | 24.30 | 6 | 3.00 | 6 | 3.00 | 54 | 3.24 | 60 | 4.80 | 60 | 0.72 | 3.83 | 88.61 |
| 45 | MIP for ONE area from sirup Nallah at Gossang | 48 | 0 | 0 | 48 | 36.00 | 48 | 0.58 | 43 | 19.35 | 5 | 2.50 | 5 | 2.50 | 43 | 2.58 | 48 | 3.84 | 48 | 0.58 | 3.08 | 71.00 |
| 46 | MIP for Tabeng area from Siri stream at Gossang Village | 22 | 0 | 0 | 22 | 16.50 | 22 | 0.26 | 20 | 9.00 | 2 | 1.00 | 2 | 1.00 | 20 | 1.20 | 22 | 1.76 | 22 | 0.26 | 1.40 | 32.39 |
| 47 | C/o CC Linning for Dino MIP at Gossang | 35 | 0 | 0 | 35 | 26.25 | 35 | 0.42 | 32 | 14.40 | 4 | 2.00 | 3 | 1.50 | 32 | 1.92 | 35 | 2.80 | 35 | 0.42 | 2.26 | 51.97 |
| 48 | C/o Legieng One MIP at Gossang | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 1 | 0.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.52 | 11.92 |
| 49 | MIP for Dankir Lakleng area from siri Stream at Moying Village. | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 12 | 6.00 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.62 | 88.28 |
| 50 | MIP for Simey area from sinyu Nallah at Karko. | 4 | 4 | 14.00 | 0 | 0 | 4 | 0.05 | 4 | 1.80 | 2 | 1.00 | 0 | 0.00 | 4 | 0.24 | 0 | 0.00 | 4 | 0.05 | 0.30 | 17.44 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 51 | MIP for Sikit-Saryo-Noke area at Karko Village. | 82 | 82 | 287.00 | 0 | 0 | 82 | 0.98 | 74 | 33.30 | 42 | 21.00 | 8 | 4.00 | 74 | 4.44 | 0 | 0.00 | 82 | 0.98 | 6.27 | 357.98 |
| 52 | C/O CC lining from Belum nallah to Mitpak area at Karko | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 1 | 0.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.52 | 11.92 |
| 53 | C/O CC lining from Sipet nallah to Sikit paddy field at karko | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 1 | 0.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.52 | 11.92 |
| 54 | C/O CC lining from Sarpo nallah to Sarpo area at Karko | 6 | 0 | 0 | 6 | 4.50 | 6 | 0.07 | 5 | 2.25 | 1 | 0.50 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.40 | 9.07 |
| 55 | C/O CC Linning for Detu-Ado area at Karko village | 4 | 0 | 0 | 4 | 3.00 | 4 | 0.05 | 4 | 1.80 | 1 | 0.50 | 0 | 0.00 | 4 | 0.24 | 4 | 0.32 | 4 | 0.05 | 0.29 | 6.25 |
| 56 | MIP for upper right bank area from Perem Sirng at Karko Village. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 1 | 0.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.52 | 11.92 |
| 57 | C/o Sisup Korong MIC at Karko | 138 | 0 | 0 | 138 | 103.50 | 138 | 1.66 | 124 | 55.80 | 14 | 7.00 | 14 | 7.00 | 124 | 7.44 | 138 | 11.04 | 138 | 1.66 | 8.83 | 203.92 |
| 58 | C/o Sikit Siyo korong MIC at Karko | 138 | 0 | 0 | 138 | 103.50 | 138 | 1.66 | 124 | 55.80 | 14 | 7.00 | 14 | 7.00 | 124 | 7.44 | 138 | 11.04 | 138 | 1.66 | 8.83 | 203.92 |
| 59 | C/o Safe disposal of tail race water of Tundung MIC at Karko | 76 | 0 | 0 | 76 | 57.00 | 76 | 0.91 | 68 | 30.60 | 8 | 4.00 | 8 | 4.00 | 68 | 4.08 | 76 | 6.08 | 76 | 0.91 | 4.88 | 112.46 |
| 60 | MIP for Pinoyoying area from Sisup Stream Tegeng | 22 | 0 | 0 | 22 | 16.50 | 22 | 0.26 | 20 | 9.00 | 2 | 1.00 | 2 | 1.00 | 20 | 1.20 | 22 | 1.76 | 22 | 0.26 | 1.40 | 32.39 |
| 61 | C/O CC Linning for Kome area from sisup steam Tegeng | 6 | 0 | 0 | 200 | 150.00 | 6.00 | 0.07 | 5 | 2.25 | 1 | 0.50 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 12.78 | 166.95 |
| 62 | MIP for Oksin area from Sisup Stream at Tegeng Village. | 6 | 0 | 0 | 205 | 153.75 | 6.00 | 0.07 | 5 | 2.25 | 1 | 0.50 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 15.69 | 173.61 |
| 63 | C/o MIP for Jelong area from Sidok stream at Jengging | 6 | 6 | 21.00 | 0 | 0 | 6 | 0.07 | 5 | 2.25 | 4 | 2.00 | 1 | 0.50 | 5 | 0.30 | 0 | 0.00 | 6 | 0.07 | 0.51 | 26.70 |
| 64 | C/O C.C Linning for Langging area from Siyat Korong at Jenging village | 3 | 3 | 10.50 | 0 | 0 | 3.00 | 0.04 | 3 | 1.35 | 2 | 1.00 | 0 | 0.00 | 3 | 0.18 | 0 | 0.00 | 3 | 0.04 | 0.25 | 13.35 |
| 65 | C/O CC Linning for Sikan area from Siyat Korong Jengging | 2 | 2 | 7.00 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.15 | 8.72 |
| 66 | C/O MIC for Rebung to Dete area at Jengging | 7 | 0 | 0.00 | 7 | 5.25 | 7.00 | 0.08 | 6 | 2.70 | 1 | 0.50 | 1 | 0.50 | 6 | 0.36 | 7 | 0.56 | 7 | 0.08 | 0.46 | 10.50 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 67 | C/o MIP for Loklung area from Sido stream at Jengging | 5 | 5 | 17.50 | 0 | 0 | 5.00 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.31 | 20.98 |
| 68 | MIP for Loda area from siyat Nallal at Jengging. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 1 | 0.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.52 | 11.92 |
| | **Sub Total =** | **1683** | **707** | **2474.5** | **1369** | **1026.75** | **1683** | **20.196** | **1515** | **681.75** | **488** | **244.00** | **168** | **84.00** | **1515** | **90.90** | **976** | **78.08** | **1683** | **20.196** | **145.57** | **4865.94** |
| 69 | Sisang MIC for Tilkong Yoying area at Damro KumkuVillage | 150 | 0 | 0 | 150 | 112.50 | 150 | 1.80 | 135 | 60.75 | 15 | 7.50 | 15 | 7.50 | 135 | 8.10 | 150 | 12.00 | 150 | 1.80 | 9.59 | 221.54 |
| 70 | MIP for Gemik Area from Sipong River at Damro Gidum | 195 | 195 | 682.50 | 0 | 0 | 195 | 2.34 | 176 | 79.20 | 98 | 49.00 | 19 | 9.50 | 176 | 10.56 | 0 | 0.00 | 195 | 2.34 | 14.83 | 850.27 |
| 71 | MIP for Ramging Area from Ramging Stream at Damro Gidum | 2 | 2 | 7.00 | 0 | 0 | 2 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.15 | 8.72 |
| 72 | MIP for Pyalem Agri. Land from Yolek Korong at Damroh Gidum | 6 | 0 | 0.00 | 6 | 4.50 | 6 | 0.07 | 5 | 2.25 | 2 | 1.00 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.45 | 9.62 |
| 73 | MIP at Pumbi area at Damro Gingkong | 5 | 0 | 0 | 5 | 3.75 | 5 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | 7.67 |
| 74 | MIP for Bogyo Area from sijum Stream at Damro Boga Lasing | 106 | 106 | 371.00 | 0 | 0 | 106 | 1.27 | 95 | 42.75 | 80 | 40.00 | 11 | 5.50 | 95 | 5.70 | 0 | 0.00 | 106 | 1.27 | 9.40 | 476.89 |
| 75 | c/o MIP from Pabang stream to Mongyang area at Milang Karket | 391 | 391 | 1368.50 | 0 | 0 | 391 | 4.69 | 352 | 158.40 | 293 | 146.50 | 39 | 19.50 | 352 | 21.12 | 0 | 0.00 | 391 | 4.69 | 34.55 | 1757.95 |
| 76 | MIP Sibem Agri. Land from Sibem Stream at Milang Langdum Langkong | 6 | 0 | 0 | 6 | 4.50 | 6 | 0.07 | 5 | 2.25 | 2 | 1.00 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.45 | 9.62 |
| 77 | MIP for Sinyan Arik from Sinyan Stream at New Milang. | 24 | 0 | 0 | 24 | 18.00 | 24 | 0.29 | 22 | 9.90 | 4 | 2.00 | 2 | 1.00 | 22 | 1.32 | 24 | 1.92 | 24 | 0.29 | 1.61 | 36.33 |
| 78 | MIP for Siper Sabha from Lasang Nallah at Dalbing Gidum | 26 | 0 | 0 | 26 | 19.50 | 26 | 0.31 | 23 | 10.35 | 20 | 10.00 | 3 | 1.50 | 23 | 1.38 | 26 | 2.08 | 26 | 0.31 | 2.53 | 47.96 |
| 79 | Sopet MIC for Nyoba area at Dalbing Gidum Village | 3 | 3 | 10.50 | 0 | 0.00 | 3.00 | 0.04 | 3 | 1.35 | 2 | 1.00 | 0 | 0.00 | 3 | 0.18 | 0 | 0.00 | 3 | 0.04 | 0.25 | 13.35 |
| 80 | Construction of MIC at Hangker area Dalbing Gidum | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 3 | 1.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.66 | 42.49 |
| 81 | MIP for Lagru from Singgu Nallah at Dalbing Bellang | 14 | 14 | 49.00 | 0 | 0 | 14 | 0.17 | 13 | 5.85 | 11 | 5.50 | 1 | 0.50 | 13 | 0.78 | 0 | 0.00 | 14 | 0.17 | 1.26 | 63.23 |
| 82 | MIP at sassong in Dalbing Bellang | 25 | 0 | 0 | 25 | 18.75 | 25 | 0.30 | 23 | 10.35 | 4 | 2.00 | 2 | 1.00 | 23 | 1.38 | 25 | 2.00 | 25 | 0.30 | 1.67 | 37.75 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83 | C/O MIC at Singak area at Kolung | 8 | 8 | 28.00 | 0 | 0 | 8 | 0.10 | 7 | 3.15 | 6 | 3.00 | 1 | 0.50 | 7 | 0.42 | 0 | 0.00 | 8 | 0.10 | 0.71 | 35.97 |
| 84 | MIP for Kolung Arik from Singyak Stream at Kolung | 6 | 0 | 0 | 6 | 4.50 | 6 | 0.07 | 5 | 2.25 | 2 | 1.00 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.45 | 9.62 |
| 85 | MIC for Kolung area at Kolung village | 4 | 6 | 21.00 | 0 | 0.00 | 4 | 0.05 | 4 | 1.80 | 2 | 1.00 | 0 | 0.00 | 4 | 0.24 | 0 | 0.00 | 4 | 0.05 | 0.30 | 24.44 |
| 86 | MIP for Ranyin Area from Hingak Stream at Kolung | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 5 | 2.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.76 | 43.59 |
| 87 | MIP for sibyung agril land at Mariyang | 17 | 17 | 59.50 | 0 | 0 | 17 | 0.20 | 15 | 6.75 | 13 | 6.50 | 2 | 1.00 | 15 | 0.90 | 0 | 0.00 | 17 | 0.20 | 1.52 | 76.58 |
| 88 | MIP at tayup area at Mariyang | 8 | 0 | 0.00 | 8 | 6.00 | 8.00 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| 89 | MIP for Komak Arik from Buang Stream at Mariyang. | 31 | 0 | 0 | 31 | 23.25 | 31 | 0.37 | 28 | 12.60 | 8 | 4.00 | 3 | 1.50 | 28 | 1.68 | 31 | 2.48 | 31 | 0.37 | 2.23 | 48.48 |
| 90 | MIP for meane Roming area from sireng Nallah at Mopom Adi Pasi Sikko. | 76 | 76 | 266.00 | 0 | 0 | 76 | 0.91 | 68 | 30.60 | 57 | 28.50 | 8 | 4.00 | 68 | 4.08 | 0 | 0.00 | 76 | 0.91 | 6.72 | 341.72 |
| 91 | MIP for Sinme area from Siyat stream at Adi Pasi Sikko Village. | 116 | 0 | 0 | 116 | 87.00 | 116 | 1.39 | 104 | 46.80 | 29 | 14.50 | 12 | 6.00 | 104 | 6.24 | 116 | 9.28 | 116 | 1.39 | 8.28 | 180.88 |
| 92 | MIP for Peying area from Siyang stream at Adi Pasi Bine Village. | 70 | 0 | 0 | 70 | 52.50 | 70 | 0.84 | 63 | 28.35 | 11 | 5.50 | 7 | 3.50 | 63 | 3.78 | 70 | 5.60 | 70 | 0.84 | 4.67 | 105.58 |
| | **Sub Total =** | **1309** | **838** | **2933** | **473** | **354.75** | **1309** | **15.708** | **1178** | **530.10** | **671** | **335.50** | **131** | **65.5** | **1178** | **70.68** | **473** | **37.84** | **1309** | **15.708** | **103.96** | **4462.75** |
| 93 | MIP at Sipo nallah for pinying and dibo area Komkar (Buksang) | 12 | 12 | 42.00 | 0 | 0 | 12 | 0.14 | 11 | 4.95 | 9 | 4.50 | 1 | 0.50 | 11 | 0.66 | 0 | 0.00 | 12 | 0.14 | 1.06 | 53.96 |
| 94 | MIP for Sibo Korong at Sipit Area at Komkar (Buksang). | 9 | 9 | 31.50 | 0 | 0 | 9 | 0.11 | 8 | 3.60 | 6 | 3.00 | 1 | 0.50 | 8 | 0.48 | 0 | 0.00 | 9 | 0.11 | 0.76 | 40.06 |
| 95 | Mip at Silli Stream for Pangi rigo area at Komkar ( Buksang) | 6 | 6 | 21.00 | 0 | 0 | 6 | 0.07 | 5 | 2.25 | 4 | 2.00 | 1 | 0.50 | 5 | 0.30 | 0 | 0.00 | 6 | 0.07 | 0.51 | 26.70 |
| 96 | MIP at Sillu for upper Komkar (Rasing) | 200 | 200 | 700.00 | 0 | 0 | 200 | 2.40 | 180 | 81.00 | 142 | 71.00 | 20 | 10.00 | 180 | 10.80 | 0 | 0.00 | 200 | 2.40 | 17.28 | 894.88 |
| 97 | MIP from sirang korong to rayang area at komkar ( Rasing) | 3 | 3 | 10.50 | 0 | 0 | 3 | 0.04 | 3 | 1.35 | 2 | 1.00 | 0 | 0.00 | 3 | 0.18 | 0 | 0.00 | 3 | 0.04 | 0.25 | 13.35 |
| 98 | MIC for Siding Kumku area at Komkar (Rasing) village. | 5 | 0 | 0.00 | 5 | 3.75 | 5 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | 7.67 |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99 | MIP at Sikadine area at Sikadine | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 1 | 0.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.64 | 14.77 |
| 100 | MIP at Petot Korong at Peram | 15 | 0 | 0 | 15 | 11.25 | 15 | 0.18 | 14 | 6.30 | 2 | 1.00 | 1 | 0.50 | 14 | 0.84 | 15 | 1.20 | 15 | 0.18 | 0.98 | 22.43 |
| 101 | MIC from Lising river to Sidum Moling area at Geku. | 8 | 8 | 28.00 | 0 | 0 | 8 | 0.10 | 7 | 3.15 | 6 | 3.00 | 1 | 0.50 | 7 | 0.42 | 0 | 0.00 | 8 | 0.10 | 0.71 | 35.97 |
| 102 | MIP for Dengging Poming area at Geku | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 2 | 1.00 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.28 | 29.54 |
| 103 | MIP for Sidum Moling area at Geku | 100 | 0 | 0 | 100 | 75.00 | 100 | 1.20 | 90 | 40.50 | 10 | 5.00 | 10 | 5.00 | 90 | 5.40 | 100 | 8.00 | 100 | 1.20 | 6.39 | 147.69 |
| 104 | MIP from Rakya nallah to Pilek-Laruk area at Erying at Sibum village. | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| 105 | MIP for Paring area at Sibum | 5 | 5 | 17.50 | 0 | 0 | 5.00 | 0.06 | 5 | 2.25 | 4 | 2.00 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.46 | 22.63 |
| 106 | MIP at Rakya and Shir Nallah for Erying,Laruk,Milong,Tigeng area Sibum | 218 | 218 | 763.00 | 0 | 0 | 218 | 2.62 | 196 | 88.20 | 155 | 77.50 | 22 | 11.00 | 196 | 11.76 | 0 | 0.00 | 218 | 2.62 | 18.85 | 975.54 |
| 107 | Tiyit & Ledu MIP under from Sibe Korong Jeru Village. | 40 | 40 | 140.00 | | | 40 | 0.48 | 36 | 16.20 | 28 | 14.00 | 4 | 2.00 | 36 | 2.16 | 0 | 0.00 | 40 | 0.48 | 3.44 | 178.76 |
| 108 | MIC for Kalek WRC field at Jeru vill. | 3 | 3 | 10.50 | 0 | 0 | 3.00 | 0.04 | 3 | 1.35 | 2 | 1.00 | 0 | 0.00 | 3 | 0.18 | 0 | 0.00 | 3 | 0.04 | 0.25 | 13.35 |
| 109 | MIP at Sibe Nallah for Kuyeng area at Jeru | 6 | 6 | 21.00 | 0 | 0 | 6 | 0.07 | 5 | 2.25 | 4 | 2.00 | 1 | 0.50 | 5 | 0.30 | 0 | 0.00 | 6 | 0.07 | 0.51 | 26.70 |
| 110 | Construction of MIC from Popne Stream to Popne WRC field at Jeru | 8 | 8 | 28.00 | 0 | 0 | 8 | 0.10 | 7 | 3.15 | 6 | 3.00 | 1 | 0.50 | 7 | 0.42 | 0 | 0.00 | 8 | 0.10 | 0.71 | 35.97 |
| 111 | MIC Bogo area at Jeru Village | 15 | 0 | 0 | 15 | 11.25 | 15.00 | 0.18 | 14 | 6.30 | 11 | 5.50 | 1 | 0.50 | 14 | 0.84 | 15 | 1.20 | 15 | 0.18 | 1.43 | 27.38 |
| 112 | Sibe Korong MIC at Jeru. | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 2 | 1.00 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.28 | 29.54 |
| 113 | MIP for Ballek Ellek area from Sijel Stream at Silli | 49 | 49 | 171.50 | 0 | 0 | 49 | 0.59 | 44 | 19.80 | 29 | 14.50 | 5 | 2.50 | 44 | 2.64 | 0 | 0.00 | 49 | 0.59 | 3.94 | 216.06 |
| 114 | MIP for Kak Area from silli nallah at silli | 7 | 0 | 0 | 7 | 5.25 | 7 | 0.08 | 6 | 2.70 | 1 | 0.50 | 1 | 0.50 | 6 | 0.36 | 7 | 0.56 | 7 | 0.08 | 0.46 | 10.50 |
| | **Sub Total =** | **769** | **577** | **2019.5** | **192** | **144** | **769** | **9.228** | **693** | **311.85** | **433** | **216.5** | **76** | **38** | **693** | **41.58** | **192** | **15.36** | **769** | **9.228** | **62.35** | **2867.60** |
| 115 | MIP at Hiya Korong Moyi at Jido | 50 | 50 | 175.00 | 0 | 0 | 50 | 0.60 | 45 | 20.25 | 38 | 19.00 | 5 | 2.50 | 45 | 2.70 | 0 | 0.00 | 50 | 0.60 | 4.45 | 225.10 |
| 116 | MIP from Soyit Korong Jido | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 15 | 7.50 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.77 | 89.93 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 117 | MIP at Atying Korong at Kuging | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 15 | 7.50 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.77 | 89.93 |
| 118 | C/O. Siyik Korong MIC at Kuging | 2 | 2 | 7.00 | 0 | 0 | 2 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.15 | 8.72 |
| 119 | Pedeng MIP at Ngaming vill | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 8 | 4.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.91 | 45.24 |
| 120 | MIP at Hikeng Korong at Ngaming village | 30 | 30 | 105.00 | 0 | 0 | 30 | 0.36 | 27 | 12.15 | 21 | 10.50 | 3 | 1.50 | 27 | 1.62 | 0 | 0.00 | 30 | 0.36 | 2.58 | 134.07 |
| 121 | MIP at Kongki Korong at Nyering | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| 122 | MIP for Nongku at Rising Vill | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| 123 | Koying MIP from Sinon Korong Mosing | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| 124 | Laying MIP from Sinot Korong Mosing | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| 125 | MIP at Karko Lopi nallah at Mosing | 5 | 5 | 17.50 | 0 | 0 | 5 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.41 | 22.08 |
| 126 | MIP at Rebo Nallah at Mosing | 6 | 6 | 21.00 | 0 | 0 | 6 | 0.07 | 5 | 2.25 | 4 | 2.00 | 1 | 0.50 | 5 | 0.30 | 0 | 0.00 | 6 | 0.07 | 0.51 | 26.70 |
| 127 | Tait Korong to Raktok MIP Panggo | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| 128 | Biru to Moyi area Panggo | 8 | 8 | 28.00 | 0 | 0 | 8 | 0.10 | 7 | 3.15 | 5 | 2.50 | 1 | 0.50 | 7 | 0.42 | 0 | 0.00 | 8 | 0.10 | 0.66 | 35.42 |
| 129 | MIP at Narbung area at Pango | 5 | 5 | 17.50 | 0 | 0 | 5 | 0.06 | 5 | 2.25 | 4 | 2.00 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.46 | 22.63 |
| 130 | Migging robeng MIP at Migging | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| 131 | C/o MIC from Nayang Korong to Mome area at Migging | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| 132 | Mopun Korong MIC for Komi area at Singging | 5 | 5 | 17.50 | 0 | 0 | 5 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.41 | 22.08 |
| 133 | MIP Sigoot Korong to Kuklek area at Singging | 5 | 5 | 17.50 | 0 | 0 | 5 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.41 | 22.08 |
| 134 | Delong Korong MIP at Memba area at Singging | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| 135 | Sitik MIP WRC field for Likor Yibe at Likor village | 40 | 40 | 140.00 | 0 | 0 | 40 | 0.48 | 36 | 16.20 | 28 | 14.00 | 4 | 2.00 | 36 | 2.16 | 0 | 0.00 | 40 | 0.48 | 3.44 | 178.76 |
| 136 | Renovation of Lami Korong MIP at Likor | 50 | 50 | 175.00 | 0 | 0 | 50 | 0.60 | 45 | 20.25 | 5 | 2.50 | 5 | 2.50 | 45 | 2.70 | 0 | 0.00 | 50 | 0.60 | 2.80 | 206.95 |
| | **Sub Total =** | **336** | **336** | **1176** | **0** | **0** | **336** | **4.032** | **304** | **136.80** | **207** | **103.50** | **32** | **16** | **304** | **18.24** | **0** | **0** | **336** | **4.032** | **27.51** | **1486.11** |
| 137 | Sinyat Korong MIP at Mayung | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 15 | 7.50 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.77 | 89.93 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 138 | Sidori MIP for Simey and Andeng areas at Bishing | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 15 | 7.50 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.77 | 89.93 |
| 139 | Silingri MIP for Damchang area at Gelling | 21 | 21 | 73.50 | 0 | 0 | 21 | 0.25 | 19 | 8.55 | 16 | 8.00 | 2 | 1.00 | 19 | 1.14 | 0 | 0.00 | 21 | 0.25 | 1.87 | 94.56 |
| 140 | Serapchu MIP for Payindem area | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 8 | 4.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.91 | 45.24 |
| 141 | Awa MIP for Simuling | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 0 | 0.00 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.02 | 81.68 |
| 142 | Gumpo MIC at Nyukkong vill | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 0 | 0.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.51 | 40.84 |
| 143 | MIP for Simuge | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 12 | 6.00 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.62 | 88.28 |
| 144 | MIP Damchodem area at Singga | 8 | 8 | 28.00 | 0 | 0 | 8 | 0.10 | 7 | 3.15 | 6 | 3.00 | 1 | 0.50 | 7 | 0.42 | 0 | 0.00 | 8 | 0.10 | 0.71 | 35.97 |
| | **Sub Total =** | **129** | **129** | **451.5** | **0** | **0** | **129** | **1.55** | **116** | **52.20** | **72** | **36.00** | **13** | **6.5** | **116** | **6.96** | **0** | **0** | **129** | **1.55** | **10.18** | **566.44** |
| | **G/Total =** | **5147** | **3087** | **10805** | **2451** | **1838.25** | **5143** | **61.72** | **4634** | **2085.30** | **2348** | **1174.00** | **509** | **254.5** | **4634** | **278.04** | **2062** | **164.96** | **5143** | **61.72** | **423.52** | **17146.50** |

## D: 4th Year: 2018 - 19 (Har Khet Ko Pani)

| Name of Block | Sl No | Name of Scheme | CCA in Ha | Creation of new water sources | | repair, restoration and renovation of defunct water sources | | Command Area Development and Water Management (CAD&WM) Programme | | | | | | | | | | | | | | | | G/Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Surface Minor Irrigation | | Renovation of Existing Surface MI Schemes | | Survey, Planning and designing of OFD Works | | Lined channels (a) | | Mechanised land leveling (b) | | Micro irrigation ( c ) | | Construction of Field, intermediate and link drains (d) | | Correction of System Difficiency (e) | | Onetime grant to registered WUAs | | Estt Cost @ 10% of a, b , c , d & e | |
| | | | | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Fin | Fin |
| **Yingkiong** | 1 | Deteng area MIC at Pugging | 25 | 0 | 0 | 25 | 18.75 | 25 | 0.30 | 23 | 10.35 | 6 | 3.00 | 2 | 1.00 | 23 | 1.38 | 25 | 2.00 | 25 | 0.30 | 1.77 | 38.85 |
| | 2 | Tesing MIP for Dotang area at Pugging village | 22 | 0 | 0 | 22 | 16.50 | 22 | 0.26 | 20 | 9.00 | 6 | 3.00 | 2 | 1.00 | 20 | 1.20 | 22 | 1.76 | 22 | 0.26 | 1.60 | 34.59 |
| | 3 | Tarring area MIC at Pugging village. | 15 | 0 | 0 | 15 | 11.25 | 15 | 0.18 | 14 | 6.30 | 4 | 2.00 | 1 | 0.50 | 14 | 0.84 | 15 | 1.20 | 15 | 0.18 | 1.08 | 23.53 |
| | 4 | C/O MIP for Loleng cultivation Area at Pugging Village. | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 4 | 2.00 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.79 | 16.42 |
| | 5 | MIP at Sipok nallah for Pokhum area at Gette | 76 | 76 | 266.00 | 0 | 0 | 76 | 0.91 | 68 | 30.60 | 57 | 28.50 | 8 | 4.00 | 68 | 4.08 | 0 | 0.00 | 76 | 0.91 | 6.72 | 341.72 |
| | 6 | Koyong area MIC at Gette village. | 5 | 0 | 0 | 5 | 3.75 | 5 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.45 | 8.77 |
| | 7 | Moying area MIC at Gette village. | 4 | 0 | 0 | 4 | 3.00 | 4 | 0.05 | 4 | 1.80 | 1 | 0.50 | 0 | 0.00 | 4 | 0.24 | 4 | 0.32 | 4 | 0.05 | 0.29 | 6.25 |
| | 8 | C/o MIP for Geying Area from Arung stream at Gette village. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| | 9 | MIP at sire nallah for Linne Mori area at Simong | 80 | 80 | 280.00 | 0 | 0 | 80 | 0.96 | 72 | 32.40 | 60 | 30.00 | 8 | 4.00 | 72 | 4.32 | 0 | 0.00 | 80 | 0.96 | 7.07 | 359.71 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 10 | MIP from Meyeng area from Simu Nallla at Simong | 25 | 25 | 87.50 | 0 | 0 | 25 | 0.30 | 23 | 10.35 | 19 | 9.50 | 2 | 1.00 | 23 | 1.38 | 0 | 0.00 | 25 | 0.30 | 2.22 | 112.55 |
| | 11 | MIC Channel at Shing WRC Field at Simong | 12 | 0 | 0 | 12 | 9.00 | 12 | 0.14 | 11 | 4.95 | 3 | 1.50 | 1 | 0.50 | 11 | 0.66 | 12 | 0.96 | 12 | 0.14 | 0.86 | 18.72 |
| | 12 | Meyeng area MIC at Simong village. | 60 | 0 | 0 | 60 | 45.00 | 60 | 0.72 | 54 | 24.30 | 9 | 4.50 | 6 | 3.00 | 54 | 3.24 | 60 | 4.80 | 60 | 0.72 | 3.98 | 90.26 |
| | 13 | MIP for Dabo cultivation field at Simong village. | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 5 | 2.50 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.43 | 31.19 |
| | 14 | MIP at Lower Emeng Cultivation area at Simong | 12 | 0 | 0 | 12 | 9.00 | 12 | 0.14 | 11 | 4.95 | 5 | 2.50 | 1 | 0.50 | 11 | 0.66 | 12 | 0.96 | 12 | 0.14 | 0.96 | 19.82 |
| | 15 | C/O MIP for Gopun agril. Land from Tekling korong at Yinkiong. | 12 | 0 | 0 | 12 | 9.00 | 12 | 0.14 | 11 | 4.95 | 2 | 1.00 | 1 | 0.50 | 11 | 0.66 | 12 | 0.96 | 12 | 0.14 | 0.81 | 18.17 |
| | 16 | MIP at Sikung nallah for Rayi area at Gobuk | 225 | 225 | 787.50 | 0 | 0 | 225 | 2.70 | 203 | 91.35 | 169 | 84.50 | 22 | 11.00 | 203 | 12.18 | 0 | 0.00 | 225 | 2.70 | 19.90 | 1011.83 |
| | 17 | Sikur area MIC at Gobuk village. | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 10 | 5.00 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.68 | 33.94 |
| | 18 | Darin area MIC at Gobuk village. | 30 | 0 | 0 | 30 | 22.50 | 30 | 0.36 | 27 | 12.15 | 11 | 5.50 | 3 | 1.50 | 27 | 1.62 | 30 | 2.40 | 30 | 0.36 | 2.32 | 48.71 |
| | 19 | Rokbung MIC for Baring area at Gobuk village. | 5 | 0 | 0 | 5 | 3.75 | 5 | 0.06 | 5 | 2.25 | 2 | 1.00 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.40 | 8.22 |
| | 20 | C/O MIP from Tar Nallah to Geying Agril. Land at Gobuk. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 3 | 1.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.62 | 13.02 |
| | 21 | Atlum area MIC at Gobuk village. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 3 | 1.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.62 | 13.02 |
| | 22 | Libon area MIC at Gobuk village. | 7 | 0 | 0 | 7 | 5.25 | 7 | 0.08 | 6 | 2.70 | 2 | 1.00 | 1 | 0.50 | 6 | 0.36 | 7 | 0.56 | 7 | 0.08 | 0.51 | 11.05 |
| | | **Sub Total =** | **689** | **406** | **1421.00** | **283** | **212.25** | **689** | **8.27** | **623** | **280.35** | **386** | **193** | **66** | **33.00** | **623** | **37.38** | **283** | **22.64** | **689** | **8.27** | **56.65** | **2272.81** |
| **Jenggi ng** | 23 | C/o CC Linning for Edak Podak MIC at Bomdo | 5 | 0 | 0 | 5 | 3.75 | 5 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | 7.67 |
| | 24 | C/o Foramtion and Earth Cutting at Kibung Korong to Narying WRC area at Bomdo | 6 | 0 | 0 | 6 | 4.50 | 6 | 0.07 | 5 | 2.25 | 1 | 0.50 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.40 | 9.07 |
| | 25 | C/o CC Linning for Robung to Narying WRC area at Bomdo | 6 | 0 | 0 | 6 | 4.50 | 6 | 0.07 | 5 | 2.25 | 1 | 0.50 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.40 | 9.07 |
| | 26 | C/o CC Linning for Kobung Nallah to Orluk WRC area at Bomdo | 4 | 0 | 0 | 4 | 3.00 | 4 | 0.05 | 4 | 1.80 | 1 | 0.50 | 0 | 0.00 | 4 | 0.24 | 4 | 0.32 | 4 | 0.05 | 0.29 | 6.25 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 27 | C/o CC Linning for Podak Nallah to Kurying WRC area at Bomdo | 7 | 0 | 0 | 7 | 5.25 | 7 | 0.08 | 6 | 2.70 | 1 | 0.50 | 1 | 0.50 | 6 | 0.36 | 7 | 0.56 | 7 | 0.08 | 0.46 | 10.50 |
| | 28 | MIP for Marmong area from Chippong Stream at Janbo village | 234 | 234 | 819.00 | 0 | 0 | 234 | 2.81 | 211 | 94.95 | 140 | 70.00 | 23 | 11.50 | 211 | 12.66 | 0 | 0.00 | 234 | 2.81 | 18.91 | 1032.64 |
| | 29 | C/o Tusing area MIC at Janbo | 70 | 0 | 0 | 70 | 52.50 | 70 | 0.84 | 63 | 28.35 | 14 | 7.00 | 7 | 3.50 | 63 | 3.78 | 70 | 5.60 | 70 | 0.84 | 4.82 | 107.23 |
| | 30 | MIP for Reying area from siring Stream at Ramsing Village. | 41 | 41 | 143.50 | 0 | 0 | 41 | 0.49 | 37 | 16.65 | 25 | 12.50 | 4 | 2.00 | 37 | 2.22 | 0 | 0.00 | 41 | 0.49 | 3.34 | 181.19 |
| | 31 | MIP for Keken area from Dumbung Stream at Ramsing Village. | 49 | 49 | 171.50 | 0 | 0 | 49 | 0.59 | 44 | 19.80 | 30 | 15.00 | 5 | 2.50 | 44 | 2.64 | 0 | 0.00 | 49 | 0.59 | 3.99 | 216.61 |
| | 32 | C/o Dumbung MIC for Tako area at Ramsing | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 4 | 2.00 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.38 | 30.64 |
| | 33 | C/o CC Linning Loksing MIP at Ramsing | 5 | 0 | 0 | 5 | 3.75 | 5 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | 7.67 |
| | 34 | C/o MIP for Tako and Loksing area at Ramsing | 16 | 0 | 0 | 16 | 12.00 | 16 | 0.19 | 14 | 6.30 | 3 | 1.50 | 2 | 1.00 | 14 | 0.84 | 16 | 1.28 | 16 | 0.19 | 1.09 | 24.39 |
| | 35 | Kobung area MIP at Ramsing | 7 | 0 | 0 | 7 | 5.25 | 7 | 0.08 | 6 | 2.70 | 1 | 0.50 | 1 | 0.50 | 6 | 0.36 | 7 | 0.56 | 7 | 0.08 | 0.46 | 10.50 |
| | 36 | MIP for Tako area from Dumbung Stream at Ramsing | 34 | 0 | 0 | 34 | 25.50 | 34 | 0.41 | 31 | 13.95 | 7 | 3.50 | 3 | 1.50 | 31 | 1.86 | 34 | 2.72 | 34 | 0.41 | 2.35 | 52.20 |
| | 37 | MIP for Yikki area from Dumbung Stream at Ramsing | 14 | 0 | 0 | 14 | 10.50 | 14 | 0.17 | 13 | 5.85 | 3 | 1.50 | 1 | 0.50 | 13 | 0.78 | 14 | 1.12 | 14 | 0.17 | 0.98 | 21.57 |
| | 38 | CC lining at Lirak area from Jorjo Korong at Ramsing | 13 | 0 | 0 | 13 | 9.75 | 13 | 0.16 | 12 | 5.40 | 3 | 1.50 | 1 | 0.50 | 12 | 0.72 | 13 | 1.04 | 13 | 0.16 | 0.92 | 20.14 |
| | 39 | MIP for Upper Tabeng area from Siri stream at Gossang Village. | 7 | 7 | 24.50 | 0 | 0 | 7 | 0.08 | 6 | 2.70 | 4 | 2.00 | 1 | 0.50 | 6 | 0.36 | 0 | 0.00 | 7 | 0.08 | 0.56 | 30.79 |
| | 40 | MIP for Upper One area from Sirup stream at Gossang Village. | 25 | 25 | 87.50 | 0 | 0 | 25 | 0.30 | 23 | 10.35 | 16 | 8.00 | 2 | 1.00 | 23 | 1.38 | 0 | 0.00 | 25 | 0.30 | 2.07 | 110.90 |
| | 41 | C/o Sirup Korong MIC at Gossang | 160 | 0 | 0 | 160 | 120.00 | 160 | 1.92 | 144 | 64.80 | 32 | 16.00 | 16 | 8.00 | 144 | 8.64 | 160 | 12.80 | 160 | 1.92 | 11.02 | 245.10 |
| | 42 | C/o Siri Korong MIC at ossang | 50 | 0 | 0 | 50 | 37.50 | 50 | 0.60 | 45 | 20.25 | 10 | 5.00 | 5 | 2.50 | 45 | 2.70 | 50 | 4.00 | 50 | 0.60 | 3.45 | 76.60 |
| | 43 | C/o Upper Panggiany area MIC at Gossang | 15 | 0 | 0 | 15 | 11.25 | 15 | 0.18 | 14 | 6.30 | 3 | 1.50 | 1 | 0.50 | 14 | 0.84 | 15 | 1.20 | 15 | 0.18 | 1.03 | 22.98 |
| | 44 | C/O CC Linning for Kenying area at Karko village | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 45 | MIP of Middle Kinying area from Sisup Stream at karko | 12 | 0 | 0 | 12 | 9.00 | 12 | 0.14 | 11 | 4.95 | 2 | 1.00 | 1 | 0.50 | 11 | 0.66 | 12 | 0.96 | 12 | 0.14 | 0.81 | 18.17 |
| | 46 | C/O CC lining from Sisup korong to Upper Lidum at Karko | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| | 47 | C/O CC Linning for Rokin Korong to Rokin area Karko | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| | 48 | C/o Mitpak area MIC at Karko | 324 | 0 | 0 | 324 | 243.00 | 324 | 3.89 | 292 | 131.40 | 65 | 32.50 | 32 | 16.00 | 292 | 17.52 | 324 | 25.92 | 324 | 3.89 | 22.33 | 496.45 |
| | 49 | C/o MIC for Perung Sireng area at Karko | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 4 | 2.00 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.38 | 30.64 |
| | 50 | C/o CC Linning for Ngubuk area at Karko | 25 | 0 | 0 | 25 | 18.75 | 25 | 0.30 | 23 | 10.35 | 5 | 2.50 | 2 | 1.00 | 23 | 1.38 | 25 | 2.00 | 25 | 0.30 | 1.72 | 38.30 |
| | 51 | C/O MIC for sarpo area at kinekibo village | 2 | 0 | 0 | 2 | 1.50 | 2 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 2 | 0.16 | 2 | 0.02 | 0.17 | 3.40 |
| | 52 | MIP for Left Kome area from sisup Nallah at Tegeng | 104 | 104 | 364.00 | 0 | 0 | 104 | 1.25 | 94 | 42.30 | 54 | 27.00 | 10 | 5.00 | 94 | 5.64 | 0 | 0.00 | 104 | 1.25 | 7.99 | 454.43 |
| | 53 | MIC for Namying at Tegeng village | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| | | **Sub Total =** | **1307** | **460** | **1610.00** | **847** | **635.25** | **1307** | **15.684** | **1179** | **530.55** | **440** | **220.00** | **128** | **64.00** | **1179** | **70.74** | **847** | **67.76** | **1307** | **15.684** | **95.3** | **3324.97** |
| **Mariyang** | 54 | MIP for Luying Tangyong from Digul Stream at Damro Gingkong | 23 | 0 | 0 | 23 | 17.25 | 23 | 0.28 | 21 | 9.45 | 3 | 1.50 | 2 | 1.00 | 21 | 1.26 | 23 | 1.84 | 23 | 0.28 | 1.51 | 34.36 |
| | 55 | MIP for Binnul Area from Sisi Stream at Damro Boga Lasing | 76 | 76 | 266.00 | 0 | 0.00 | 76 | 0.91 | 68 | 30.60 | 57 | 28.50 | 8 | 4.00 | 68 | 4.08 | 0 | 0.00 | 76 | 0.91 | 6.72 | 341.72 |
| | 56 | MIP for Rakoh area from Rakoh Stream at Boomi | 28 | 0 | 0 | 28 | 21.00 | 28 | 0.34 | 25 | 11.25 | 7 | 3.50 | 3 | 1.50 | 25 | 1.50 | 28 | 2.24 | 28 | 0.34 | 2.00 | 43.66 |
| | 57 | MIP for Madang Area from Madang Stream at Boomi | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.00 | 9 | 4.05 | 3 | 1.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.74 | 15.75 |
| | 58 | Siga MIC for gorak area at lagru in Milang Lanpong village | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 3 | 1.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.74 | 15.87 |
| | 59 | Irrigation channel from Asi Kampo to Pimsi WRC area at Milang Karket | 5 | 0 | 0 | 5 | 3.75 | 5 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | 7.67 |
| | 60 | MIP for milang Arik from Sissing Stream at Milang Langdum Langkong. | 27 | 0 | 0 | 27 | 20.25 | 27 | 0.32 | 24 | 10.80 | 4 | 2.00 | 3 | 1.50 | 24 | 1.44 | 27 | 2.16 | 27 | 0.32 | 1.79 | 40.59 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 61 | MIP for Gompang Area from pabang Korong at New Milang | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| | 62 | MIP for Ruyang Arik from Sasong Nallah at Dalbing Gidum | 45 | 0 | 0 | 45 | 33.75 | 45 | 0.54 | 41 | 18.45 | 7 | 3.50 | 4 | 2.00 | 41 | 2.46 | 45 | 3.60 | 45 | 0.54 | 3.00 | 67.84 |
| | 63 | Tara Tamak MIP at Dalbing Bellang | 40 | 0 | 0 | 40 | 30.00 | 40 | 0.48 | 36 | 16.20 | 10 | 5.00 | 4 | 2.00 | 36 | 2.16 | 40 | 3.20 | 40 | 0.48 | 2.86 | 62.38 |
| | 64 | MIP for Piimsy Area from Karpok Nallah at Mariyang | 66 | 0 | 0 | 66 | 49.50 | 66 | 0.79 | 59 | 26.55 | 10 | 5.00 | 7 | 3.50 | 59 | 3.54 | 66 | 5.28 | 66 | 0.79 | 4.39 | 99.34 |
| | 65 | MIP for Sibyung Cultivation Field from Sibyung Nallah at Mariyang | 5 | 0 | 0 | 5 | 3.75 | 5 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | 7.67 |
| | 66 | MIP for Rikli Bogong Area from passang stream at Adi Pasi SibukVillage. | 31 | 0 | 0 | 31 | 23.25 | 31 | 0.37 | 28 | 12.60 | 5 | 2.50 | 3 | 1.50 | 28 | 1.68 | 31 | 2.48 | 31 | 0.37 | 2.08 | 46.83 |
| | 67 | MIP for Miji Papom from Remeng Nallah at Mopom Adi Pasi Sikko. | 123 | 123 | 430.50 | 0 | 0 | 123 | 1.48 | 111 | 49.95 | 92 | 46.00 | 12 | 6.00 | 111 | 6.66 | 0 | 0.00 | 123 | 1.48 | 10.86 | 552.92 |
| | 68 | C/O MIC from Sinyan to Momi WRC field at Adi Pasi Bine. | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 15 | 7.50 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.77 | 89.93 |
| | | **Sub Total =** | **517** | **219** | **766.50** | **298** | **223.50** | **517** | **6.084** | **466** | **209.70** | **220** | **110.00** | **51** | **25.5** | **466** | **27.96** | **298** | **23.84** | **517** | **6.204** | **39.73** | **1439.02** |
| **Geku** | 69 | Construction of MIC from Silan Stream to Sidom area at Komkar ( Buksang) | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| | 70 | MIP for Lapak Area at Komkar (Buksang) . | 8 | 8 | 28.00 | 0 | 0 | 8 | 0.10 | 7 | 3.15 | 5 | 2.50 | 1 | 0.50 | 7 | 0.42 | 0 | 0.00 | 8 | 0.10 | 0.66 | 35.42 |
| | 71 | MIC for Sikon to Guling area at Komkar ( Buksang) | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| | 72 | MIP at Sillu to Darom area at komkar ( Sizer) | 5 | 5 | 17.50 | 0 | 0 | 5 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.41 | 22.08 |
| | 73 | MIC for Loklung (Akkan) area at komkar (Sizer) | 3 | 3 | 10.50 | 0 | 0 | 3.00 | 0.04 | 3 | 1.35 | 1 | 0.50 | 0 | 0.00 | 3 | 0.18 | 0 | 0.00 | 3 | 0.04 | 0.20 | 12.80 |
| | 74 | MIP at Sillu nallah for Darom area at Komkar (Sizer) | 64 | 64 | 224.00 | 0 | 0 | 64 | 0.77 | 58 | 26.10 | 40 | 20.00 | 6 | 3.00 | 58 | 3.48 | 0 | 0.00 | 64 | 0.77 | 5.26 | 283.38 |
| | 75 | MIC from Harsik to Pigo area at Komkar | 3 | 3 | 10.50 | 0 | 0 | 3 | 0.04 | 3 | 1.35 | 0 | 0.00 | 0 | 0.00 | 3 | 0.18 | 0 | 0.00 | 3 | 0.04 | 0.15 | 12.25 |
| | 76 | MIP at Minpiang cultivation area at Komkar (Rasing) | 12 | 12 | 42.00 | 0 | 0 | 12 | 0.14 | 11 | 4.95 | 6 | 3.00 | 1 | 0.50 | 11 | 0.66 | 0 | 0.00 | 12 | 0.14 | 0.91 | 52.31 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 77 | MIP at Kombung nallah for Delek | 12 | 0 | 0 | 12 | 9.00 | 12 | 0.14 | 11 | 4.95 | 2 | 1.00 | 1 | 0.50 | 11 | 0.66 | 12 | 0.96 | 12 | 0.14 | 0.81 | 18.17 |
| | 78 | MIP at Kombung korong at Boom | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 2 | 1.00 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.69 | 15.32 |
| | 79 | MIP at Sian nallah at taku area at Sumsing | 32 | 32 | 112.00 | 0 | 0 | 32 | 0.38 | 29 | 13.05 | 20 | 10.00 | 3 | 1.50 | 29 | 1.74 | 0 | 0.00 | 32 | 0.38 | 2.63 | 141.69 |
| | 80 | Construction of MIC from Siam Stream to Talu among WRC field Geku | 8 | 8 | 28.00 | 0 | 0 | 8 | 0.10 | 7 | 3.15 | 6 | 3.00 | 1 | 0.50 | 7 | 0.42 | 0 | 0.00 | 8 | 0.10 | 0.71 | 35.97 |
| | 81 | MIP Sibe Nallah for Rengkiit (Bomko) Agril. Land Geku. | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| | 82 | C.C lining for Poming area MIC at Geku village. | 25 | 0 | 0 | 25 | 18.75 | 25 | 0.30 | 23 | 10.35 | 5 | 2.50 | 2 | 1.00 | 23 | 1.38 | 25 | 2.00 | 25 | 0.30 | 1.72 | 38.30 |
| | 83 | MIP at Singom for Situm cultivation Area at Geku village. | 6 | 0 | 0 | 6 | 4.50 | 6 | 0.07 | 5 | 2.25 | 1 | 0.50 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.40 | 9.07 |
| | 84 | MIP at Temik nallah for Koso area at Sibum | 326 | 326 | 1141.00 | 0 | 0 | 326 | 3.91 | 293 | 131.85 | 202 | 101.00 | 33 | 16.50 | 293 | 17.58 | 0 | 0.00 | 326 | 3.91 | 26.69 | 1442.44 |
| | 85 | MIP at Tamik nallah for Bipok area Sibum | 11 | 11 | 38.50 | 0 | 0 | 11 | 0.13 | 10 | 4.50 | 8 | 4.00 | 1 | 0.50 | 10 | 0.60 | 0 | 0.00 | 11 | 0.13 | 0.96 | 49.32 |
| | 86 | MIP at Sipong nallah for Lisum area at Pongging | 19 | 19 | 66.50 | 0 | 0 | 19 | 0.23 | 17 | 7.65 | 12 | 6.00 | 2 | 1.00 | 17 | 1.02 | 0 | 0.00 | 19 | 0.23 | 1.57 | 84.20 |
| | 87 | MIP from Gatling korong to Lungku Area at Pongging vill. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 1 | 0.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.52 | 11.92 |
| | 88 | MIP for Kayum cultivation area from Sipong korong at Pongging village | 12 | 0 | 0 | 12 | 9.00 | 12 | 0.14 | 11 | 4.95 | 2 | 1.00 | 1 | 0.50 | 11 | 0.66 | 12 | 0.96 | 12 | 0.14 | 0.81 | 18.17 |
| | 89 | MIP for Kaying area from Sikang korong at Padu Abong | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| | 90 | MIP for Yapgong Area from sige stream at Padu Abong | 126 | 126 | 4410.00 | 0 | 0 | 126 | 1.51 | 113 | 50.85 | 89 | 44.50 | 13 | 6.50 | 113 | 6.78 | 0 | 0.00 | 126 | 1.51 | 10.86 | 563.51 |
| | 91 | MIP for Rangeng Area from Siyeng Stream at Padu Abong | 49 | 49 | 1715.00 | 0 | 0 | 49 | 0.59 | 44 | 19.80 | 30 | 15.00 | 5 | 2.50 | 44 | 2.64 | 0 | 0.00 | 49 | 0.59 | 3.99 | 216.61 |
| | 92 | CC Lining for seng korong MIP at padu Abong | 30 | 0 | 0.00 | 30 | 22.50 | 30 | 0.36 | 27 | 12.15 | 3 | 1.50 | 3 | 1.50 | 27 | 1.62 | 30 | 2.40 | 30 | 0.36 | 1.92 | 44.31 |
| | 93 | MIP for Renyung area from Singar stream at Silli | 28 | 28 | 98.00 | 0 | 0 | 28 | 0.34 | 25 | 11.25 | 17 | 8.50 | 3 | 1.50 | 25 | 1.50 | 0 | 0.00 | 28 | 0.34 | 2.28 | 123.70 |
| | 94 | MIP for Tugan Area from Sijel stream at silli | 29 | 29 | 101.50 | 0 | 0 | 29 | 0.35 | 26 | 11.70 | 20 | 10.00 | 3 | 1.50 | 26 | 1.56 | 0 | 0.00 | 29 | 0.35 | 2.48 | 129.44 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 95 | Singer korong MIC at Sili Village | 48 | 0 | 0 | 48 | 36.00 | 48 | 0.58 | 43 | 19.35 | 10 | 5.00 | 5 | 2.50 | 43 | 2.58 | 48 | 3.84 | 48 | 0.58 | 3.33 | 73.75 |
| | | **Sub Total =** | **912** | **753** | **2635.50** | **159** | **119.25** | **912** | **10.944** | **821** | **369.45** | **506** | **253** | **91** | **45.5** | **821** | **49.26** | **159** | **12.72** | **912** | **10.944** | **73.01** | **3579.58** |
| Tuting | 96 | MIP at Pakom Korong at Jido | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 12 | 6.00 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.62 | 88.28 |
| | 97 | MIP from Rokpi Korong for JidoVillage | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| | 98 | Ilung MIC from Sikeng korong at Ngaming | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| | 99 | CC Lining Dorkang area at Ngaming | 50 | 50 | 175.00 | 0 | 0 | 50 | 0.60 | 45 | 20.25 | 31 | 15.50 | 5 | 2.50 | 45 | 2.70 | 0 | 0.00 | 50 | 0.60 | 4.10 | 221.25 |
| | 100 | C/O Bonik MIC Pe-Deng MIC field at Ngaming. | 7 | 126 | 441.00 | 0 | 0 | 7 | 0.08 | 6 | 2.70 | 5 | 2.50 | 1 | 0.50 | 6 | 0.36 | 0 | 0.00 | 7 | 0.08 | 0.61 | 447.84 |
| | 101 | MIP from Legong Korong of Udan Dohak area Ngaming | 70 | 49 | 171.50 | 0 | 0 | 70 | 0.84 | 63 | 28.35 | 50 | 25.00 | 7 | 3.50 | 63 | 3.78 | 0 | 0.00 | 70 | 0.84 | 6.06 | 239.87 |
| | 102 | Loggong MIP at Sippi area Ningging | 200 | 200 | 700.00 | 0 | 0 | 200 | 2.40 | 180 | 81.00 | 124 | 62.00 | 20 | 10.00 | 180 | 10.80 | 0 | 0.00 | 200 | 2.40 | 16.38 | 884.98 |
| | 103 | MIP at Simar stream to Dunning area Tuting | 15 | 15 | 52.50 | 0 | 0 | 15 | 0.18 | 14 | 6.30 | 11 | 5.50 | 1 | 0.50 | 14 | 0.84 | 0 | 0.00 | 15 | 0.18 | 1.31 | 67.31 |
| | 104 | MIP at Sinyeng Korong to Jobo area Tuting | 15 | 15 | 52.50 | 0 | 0 | 15 | 0.18 | 14 | 6.30 | 11 | 5.50 | 1 | 0.50 | 14 | 0.84 | 0 | 0.00 | 15 | 0.18 | 1.31 | 67.31 |
| | 105 | Gome MIP at Tuting | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| | 106 | Tano MIC at Densing WRC of Tuting | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 5 | 2.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.76 | 43.59 |
| | 107 | MIP at Yasing to Tari Moi area of Mosing | 5 | 5 | 17.50 | 0 | 0 | 5 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.41 | 22.08 |
| | 108 | Somey MIP from Ngobung Korong Mosing | 8 | 8 | 28.00 | 0 | 0 | 8 | 0.10 | 7 | 3.15 | 6 | 3.00 | 1 | 0.50 | 7 | 0.42 | 0 | 0.00 | 8 | 0.10 | 0.71 | 35.97 |
| | 109 | Minggo MIC at Mosing | 5 | 5 | 17.50 | 0 | 0 | 5 | 0.06 | 5 | 2.25 | 2 | 1.00 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.36 | 21.53 |
| | 110 | MIP at Silang to Koying area Mosing | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 12 | 6.00 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.62 | 88.28 |
| | 111 | Mirne MIP for Iteng area Panggo | 8 | 8 | 28.00 | 0 | 0 | 8 | 0.10 | 7 | 3.15 | 5 | 2.50 | 1 | 0.50 | 7 | 0.42 | 0 | 0.00 | 8 | 0.10 | 0.66 | 35.42 |
| | 112 | Tibung MIP for Dite area at Pango | 200 | 200 | 700.00 | 0 | 0 | 200 | 2.40 | 180 | 81.00 | 124 | 62.00 | 20 | 10.00 | 180 | 10.80 | 0 | 0.00 | 200 | 2.40 | 16.38 | 884.98 |
| | 113 | Sipot to Koying Area at Panggo | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| | 114 | C/O Bhai MIP at Panngo | 30 | 30 | 105.00 | 0 | 0 | 30 | 0.36 | 27 | 12.15 | 22 | 11.00 | 3 | 1.50 | 27 | 1.62 | 0 | 0.00 | 30 | 0.36 | 2.63 | 134.62 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 115 | C/O Moi MIP at Angging for Angging village | 200 | 200 | 700.00 | 0 | 0 | 200 | 2.40 | 180 | 81.00 | 144 | 72.00 | 20 | 10.00 | 180 | 10.80 | 0 | 0.00 | 200 | 2.40 | 17.38 | 895.98 |
| | 116 | Rokyeng Korong to Nuying area at Angging | 7 | 7 | 24.50 | 0 | 0 | 7 | 0.08 | 6 | 2.70 | 4 | 2.00 | 1 | 0.50 | 6 | 0.36 | 0 | 0.00 | 7 | 0.08 | 0.56 | 30.79 |
| | 117 | Kumkong MIP at Likor | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| | 118 | Renovation of CC channel in Sika area in Likor | 30 | 30 | 105.00 | 0 | 0 | 30 | 0.36 | 27 | 12.15 | 6 | 3.00 | 3 | 1.50 | 27 | 1.62 | 0 | 0.00 | 30 | 0.36 | 1.83 | 125.82 |
| | | **Sub Total =** | **950** | **1048** | **3668.00** | **0** | **0.00** | **950** | **11.4** | **856** | **385.20** | **611** | **305.50** | **94** | **47** | **856** | **51.36** | **0** | **0** | **950** | **11.4** | **78.94** | **4558.80** |
| **Singa** | 119 | Dabur MIP to Dangkor area at Mayung | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| | 120 | Takom MIP at Singging | 15 | 15 | 52.50 | 0 | 0 | 15 | 0.18 | 14 | 6.30 | 7 | 3.50 | 1 | 0.50 | 14 | 0.84 | 0 | 0.00 | 15 | 0.18 | 1.11 | 65.11 |
| | 121 | Gulap MIP at Palling | 5 | 5 | 17.50 | 0 | 0 | 5 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.41 | 22.08 |
| | 122 | Jite MIP at Singha | 5 | 5 | 17.50 | 0 | 0 | 5 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.41 | 22.08 |
| | 123 | Rakpang MIC at Nigging | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 4 | 2.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.71 | 43.04 |
| | 124 | MIP Benjiri to Keying area at Kopu | 30 | 30 | 105.00 | 0 | 0 | 30 | 0.36 | 27 | 12.15 | 19 | 9.50 | 3 | 1.50 | 27 | 1.62 | 0 | 0.00 | 30 | 0.36 | 2.48 | 132.97 |
| | 125 | C/o Rapten MIC at Geling | 22 | 22 | 77.00 | 0 | 0 | 22 | 0.26 | 20 | 9.00 | 14 | 7.00 | 2 | 1.00 | 20 | 1.20 | 0 | 0.00 | 22 | 0.26 | 1.82 | 97.55 |
| | 126 | Chumama MIP at Mankota | 10 | 10 | 35.00 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| | 127 | Changkigochu MIP at Tasigaon | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 12 | 6.00 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.62 | 88.28 |
| | 128 | MIP for Simuling | 20 | 20 | 70.00 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 12 | 6.00 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.62 | 88.28 |
| | 129 | MIP for Naksachu for Yamedem area at Singga (Hq) | 5 | 5 | 17.50 | 0 | 0 | 5 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 0 | 0.00 | 5 | 0.06 | 0.41 | 22.08 |
| | | **Sub Total =** | **152** | **152** | **5320** | **0** | **0.00** | **152** | **1.824** | **139** | **62.55** | **89** | **44.5** | **13** | **6.5** | **139** | **8.34** | **0** | **0** | **152** | **1.824** | **12.21** | **669.748** |
| | | **G/Total =** | **4527** | **3038** | **10633.00** | **1587** | **1190.25** | **4527** | **54.20** | **4084** | **1837.80** | **2252** | **1126.00** | **443** | **221.5** | **4084** | **245.04** | **1587** | **126.96** | **4527** | **54.32** | **355.84** | **15844.92** |

## E: 5th Year: 2019 – 20 (Har Khet Ko Pani)

| Name of Block | Sl No | Name of Scheme | C C A in Ha | Creation of new water sources | | repair, restoration and renovation of defunct water sources | | Command Area Development and Water Management (CAD&WM) Programme | | | | | | | | | | | | | | | G/Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Surface Minor Irrigation | | Renovation of Existing Surface MI Schemes | | Survey, Planning and designing of OFD Works | | Lined channels (a) | | Mechanised land leveling (b) | | Micro irrigation ( c ) | | Construction of Field, intermediate and link drains (d) | | Correction of System Difficiency ( e) | | Onetime grant to registered WUAs | | Estt Cost @ 10 % of a, b , c , d & e | |
| | | | | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Phy | Fin | Fin | Fin |
| **Yingkiong** | 1 | MIP at Ado nallah for Tuuying area at Pugging | 19 | 19 | 66.5 | 0 | 0 | 19 | 0.23 | 17 | 7.65 | 11 | 5.50 | 2 | 1.00 | 17 | 1.02 | 0 | 0.00 | 19 | 0.23 | 1.52 | 83.65 |
| | 2 | Lokpek area MIC at Pugging village. | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 3 | 1.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.74 | 15.87 |
| | 3 | Lukuk area MIC at Pugging village. | 5 | 0 | 0 | 5 | 3.75 | 5 | 0.06 | 5 | 2.25 | 3 | 1.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.45 | 8.77 |
| | 4 | C/O MIP for Kiying Area from Gabung stream at Pugging Village. | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 5 | 2.50 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.43 | 31.19 |
| | 5 | Lokpik area MIC at Pugging village. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 4 | 2.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.67 | 13.57 |
| | 6 | Nangking Lizik area MIC at Gette village. | 25 | 0 | 0 | 25 | 18.75 | 25 | 0.30 | 23 | 10.35 | 10 | 5.00 | 2 | 1.00 | 23 | 1.38 | 25 | 2.00 | 25 | 0.30 | 1.97 | 41.05 |
| | 7 | MIP for Kyapong area at Gette village | 40 | 0 | 0 | 40 | 30.00 | 40 | 0.48 | 36 | 16.20 | 12 | 6.00 | 4 | 2.00 | 36 | 2.16 | 40 | 3.20 | 40 | 0.48 | 2.96 | 63.48 |
| | 8 | C/O MIP at Getting cultivation field from Pekor korong at gette | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| | 9 | Rotang area MIC at Gette village. | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 5 | 2.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.84 | 16.97 |
| | 10 | Pinnying area MIC at Halleng village. | 7 | 0 | 0 | 7 | 5.25 | 7 | 0.08 | 6 | 2.70 | 2 | 1.00 | 1 | 0.50 | 6 | 0.36 | 7 | 0.56 | 7 | 0.08 | 0.51 | 11.05 |
| | 11 | Losun area MIC at Halleng village. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 4 | 2.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.67 | 13.57 |
| | 12 | Kamla area MIC at Halleng village. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13 | C/O MIC for Rakne area at Simong | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 8 | 4.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.91 | 45.24 |
| | 14 | MIP for Monggi and Naring area at Simong | 30 | 30 | 105 | 0 | 0 | 30 | 0.36 | 27 | 12.15 | 23 | 11.50 | 3 | 1.50 | 27 | 1.62 | 0 | 0.00 | 30 | 0.36 | 2.68 | 135.17 |
| | 15 | Joho area MIC at at Simong village | 25 | 0 | 0 | 25 | 18.75 | 25 | 0.30 | 23 | 10.35 | 6 | 3.00 | 2 | 1.00 | 23 | 1.38 | 25 | 2.00 | 25 | 0.30 | 1.77 | 38.85 |
| | 16 | Emmeng area MIC at Simong village. | 40 | 0 | 0 | 40 | 30.00 | 40 | 0.48 | 36 | 16.20 | 10 | 5.00 | 4 | 2.00 | 36 | 2.16 | 40 | 3.20 | 40 | 0.48 | 2.86 | 62.38 |
| | 17 | Bentuk area MIC at Simong village. | 3 | 0 | 0 | 3 | 2.25 | 3 | 0.04 | 3 | 1.35 | 2 | 1.00 | 0 | 0.00 | 3 | 0.18 | 3 | 0.24 | 3 | 0.04 | 0.28 | 5.37 |
| | 18 | MIP for Jopi cultivation area at Simong village. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 1 | 0.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.52 | 11.92 |
| | 19 | MIP for Nabang Area from Bolek korong at Simong. | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 3 | 1.50 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.74 | 15.87 |
| | 20 | MIP for Mojom C/ area at Simong Village. | 7 | 0 | 0 | 7 | 5.25 | 7 | 0.08 | 6 | 2.70 | 4 | 2.00 | 1 | 0.50 | 6 | 0.36 | 7 | 0.56 | 7 | 0.08 | 0.61 | 12.15 |
| | 21 | MIP at Japang area from Hidir nallah at Gobuk | 112 | 112 | 392 | 0 | 0 | 112 | 1.34 | 101 | 45.45 | 84 | 42.00 | 11 | 5.50 | 101 | 6.06 | 0 | 0.00 | 112 | 1.34 | 9.90 | 503.60 |
| | 22 | Jagging area MIC at Gobuk village. | 30 | 0 | 0 | 30 | 22.50 | 30 | 0.36 | 27 | 12.15 | 8 | 4.00 | 3 | 1.50 | 27 | 1.62 | 30 | 2.40 | 30 | 0.36 | 2.17 | 47.06 |
| | 23 | Dollak area MIC at Gobuk village. | 22 | 0 | 0 | 22 | 16.50 | 22 | 0.26 | 20 | 9.00 | 6 | 3.00 | 2 | 1.00 | 20 | 1.20 | 22 | 1.76 | 22 | 0.26 | 1.60 | 34.59 |
| | 24 | C/O MIP for Bitlong Agril land from Herong River at Gobuk. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 3 | 1.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.62 | 13.02 |
| | 25 | C/O MIP from Hihan River to Dolmum Agril. Land at Gobuk. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 1 | 0.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.52 | 11.92 |
| | 26 | Doormom area MIC at Gobuk village. | 5 | 0 | 0 | 5 | 3.75 | 5 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | 7.67 |
| | | **Sub Total =** | **486** | **171** | **598.5** | **315** | **236.25** | **486** | **5.83** | **438** | **197.10** | **223** | **111.5** | **48** | **24.00** | **438** | **26.28** | **315** | **25.20** | **486** | **5.83** | **38.43** | **1268.92** |
| **Jengging** | 27 | C/o Foramtion and Earth Cutting at Kambung Korong to Kambung WRC area at Bomdo | 2 | 0 | 0 | 2 | 1.50 | 2 | 0.02 | 2 | 0.90 | 0 | 0.00 | 0 | 0.00 | 2 | 0.12 | 2 | 0.16 | 2 | 0.02 | 0.12 | 2.85 |
| | 28 | C/o CC Linning for Gambung Nallah to Gambung WRC area at Bomdo | 5 | 0 | 0 | 5 | 3.75 | 5 | 0.06 | 5 | 2.25 | 1 | 0.50 | 0 | 0.00 | 5 | 0.30 | 5 | 0.40 | 5 | 0.06 | 0.35 | 7.67 |
| | 29 | C/o CC Linning for Kambung Nallah to Derging WRC area at Bomdo | 4 | 0 | 0 | 4 | 3.00 | 4 | 0.05 | 4 | 1.80 | 1 | 0.50 | 0 | 0.00 | 4 | 0.24 | 4 | 0.32 | 4 | 0.05 | 0.29 | 6.25 |
| | 30 | C/o Boying area MIC at Bomdo | 50 | 0 | 0 | 50 | 37.50 | 50 | 0.60 | 45 | 20.25 | 10 | 5.00 | 5 | 2.50 | 45 | 2.70 | 50 | 4.00 | 50 | 0.60 | 3.45 | 76.60 |
| | 31 | C/o CC Linning Angong Narko area at Janbo | 80 | 0 | 0 | 80 | 60.00 | 80 | 0.96 | 72 | 32.40 | 16 | 8.00 | 8 | 4.00 | 72 | 4.32 | 80 | 6.40 | 80 | 0.96 | 5.51 | 122.55 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 32 | MIP for Pumu Geying area from siring Stream at Ramsing Village. | 29 | 29 | 101.5 | 0 | 0 | 29 | 0.35 | 26 | 11.70 | 18 | 9.00 | 3 | 1.50 | 26 | 1.56 | 0 | 0.00 | 29 | 0.35 | 2.38 | 128.34 |
| | 33 | MIP for Sikir area from Onbung Stream at Ramsing Village. | 100 | 100 | 350 | 0 | 0 | 100 | 1.20 | 90 | 40.50 | 62 | 31.00 | 10 | 5.00 | 90 | 5.40 | 0 | 0.00 | 100 | 1.20 | 8.19 | 442.49 |
| | 34 | C/O CC lining protection work at Narsam area at Ramsing | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| | 35 | C/O MIC and CC lining at Janbung nallah to Sikir WRC field at Ramsing | 4 | 0 | 0 | 4 | 3.00 | 4 | 0.05 | 4 | 1.80 | 1 | 0.50 | 0 | 0.00 | 4 | 0.24 | 4 | 0.32 | 4 | 0.05 | 0.29 | 6.25 |
| | 36 | C/o CC lining and 2 Nos retaining wall to Korle nallah to Tako, Dumyor, Koching WRC field at Ramsing vill. | 15 | 0 | 0 | 15 | 11.25 | 15 | 0.18 | 14 | 6.30 | 3 | 1.50 | 1 | 0.50 | 14 | 0.84 | 15 | 1.20 | 15 | 0.18 | 1.03 | 22.98 |
| | 37 | C/O formation cutting with CC lining for Onbung nallah to Kumdum Piyung and Sikir area Ramsing | 15 | 0 | 0 | 15 | 11.25 | 15 | 0.18 | 14 | 6.30 | 3 | 1.50 | 1 | 0.50 | 14 | 0.84 | 15 | 1.20 | 15 | 0.18 | 1.03 | 22.98 |
| | 38 | MIP for right Tabeng area from Siri stream at Gossang Village. | 17 | 17 | 59.5 | 0 | 0 | 17 | 0.20 | 15 | 6.75 | 9 | 4.50 | 2 | 1.00 | 15 | 0.90 | 0 | 0.00 | 17 | 0.20 | 1.32 | 74.38 |
| | 39 | C/O MIC earth cutting at Sipot nallah to Sading area Gossang | 4 | 0 | 0 | 4 | 3.00 | 4 | 0.05 | 4 | 1.80 | 1 | 0.50 | 0 | 0.00 | 4 | 0.24 | 4 | 0.32 | 4 | 0.05 | 0.29 | 6.25 |
| | 40 | C/o Tabeng MIC (Lower siri) at gossang | 50 | 0 | 0 | 50 | 37.50 | 50 | 0.60 | 45 | 20.25 | 10 | 5.00 | 5 | 2.50 | 45 | 2.70 | 50 | 4.00 | 50 | 0.60 | 3.45 | 76.60 |
| | 41 | C/o Stabilization of siri Korong MIC at Gossang | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 4 | 2.00 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.38 | 30.64 |
| | 42 | C/o MIC for Omne area at Gossang | 50 | 0 | 0 | 50 | 37.50 | 50 | 0.60 | 45 | 20.25 | 10 | 5.00 | 5 | 2.50 | 45 | 2.70 | 50 | 4.00 | 50 | 0.60 | 3.45 | 76.60 |
| | 43 | C/O MIC for Rebung to Dete area Karko | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| | 44 | C/O CAD project protection wall at Sigong area Karko | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 4 | 2.00 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.38 | 30.64 |
| | 45 | CC lining at Side to Seram Dubom area at karko | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 4 | 2.00 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.38 | 30.64 |
| | 46 | C C linning for Mitpak paddy field karko | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 4 | 2.00 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.38 | 30.64 |
| | 47 | C/o MIC for Goyit area from Lower Sarpo Korong kinekibo | 2 | 0 | 0 | 2 | 1.50 | 2 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 2 | 0.16 | 2 | 0.02 | 0.17 | 3.40 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 48 | C/O Siyup Nallah to Pegu lake kinekibo | 6 | 0 | 0 | 6 | 4.50 | 6 | 0.07 | 5 | 2.25 | 1 | 0.50 | 1 | 0.50 | 5 | 0.30 | 6 | 0.48 | 6 | 0.07 | 0.40 | 9.07 |
| | | **Sub Total =** | **529** | **146** | **511** | **383** | **287.25** | **529** | **6.348** | **478** | **215.10** | **167** | **83.50** | **51** | **25.50** | **478** | **28.68** | **383** | **30.64** | **529** | **6.348** | **38.38** | **1232.75** |
| **Mariyang** | 49 | MIP for Paying Area from Sippa Stream at Damroh Boga Lasing | 17 | 0 | 0 | 17 | 12.75 | 17 | 0.20 | 15 | 6.75 | 3 | 1.50 | 2 | 1.00 | 15 | 0.90 | 17 | 1.36 | 17 | 0.20 | 1.15 | 25.82 |
| | 50 | MIP from Digul river to Luying-Tangyong cultivation area Damro Boga Lasing | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| | 51 | CC Channel for sissing MIP at Milang Langdum Langkong village | 30 | 0 | 0 | 30 | 22.50 | 30 | 0.36 | 27 | 12.15 | 6 | 3.00 | 3 | 1.50 | 27 | 1.62 | 30 | 2.40 | 30 | 0.36 | 2.07 | 45.96 |
| | 52 | MIP Nogo area at New Milang | 9 | 0 | 0 | 9 | 6.75 | 9 | 0.11 | 8 | 3.60 | 2 | 1.00 | 1 | 0.50 | 8 | 0.48 | 9 | 0.72 | 9 | 0.11 | 0.63 | 13.90 |
| | 53 | CC Lining for Sassong MIC at Dalbing Bellangvillage | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 4 | 2.00 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.38 | 30.64 |
| | 54 | MIP for Rokbung Area from Rokbung Nallah at Mariyang | 17 | 17 | 59.5 | 0 | 0 | 17 | 0.20 | 15 | 6.75 | 14 | 7.00 | 2 | 1.00 | 15 | 0.90 | 0 | 0.00 | 17 | 0.20 | 1.57 | 77.13 |
| | 55 | MIC from Duksang Stream to Porung Lakru area at Maryang | 6 | 6 | 21 | 0 | 0 | 6 | 0.07 | 5 | 2.25 | 3 | 1.50 | 1 | 0.50 | 5 | 0.30 | 0 | 0.00 | 6 | 0.07 | 0.46 | 26.15 |
| | 56 | MIP for Buang area from Buang Stream at Mariyang. | 12 | 0 | 0 | 12 | 9.00 | 12 | 0.14 | 11 | 4.95 | 2 | 1.00 | 1 | 0.50 | 11 | 0.66 | 12 | 0.96 | 12 | 0.14 | 0.81 | 18.17 |
| | 57 | MIP for Lower Bridge Area from Sikka Stream at Mariyang | 16 | 0 | 0 | 16 | 12.00 | 16 | 0.19 | 14 | 6.30 | 3 | 1.50 | 2 | 1.00 | 14 | 0.84 | 16 | 1.28 | 16 | 0.19 | 1.09 | 24.39 |
| | 58 | MIP for Sage Area from Sasu Nallah at Peki Modi | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 2 | 1.00 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.69 | 15.32 |
| | 59 | MIP for Disar area from saroh stream Peki Modi | 12 | 0 | 0 | 12 | 9.00 | 12 | 0.14 | 11 | 4.95 | 3 | 1.50 | 1 | 0.50 | 11 | 0.66 | 12 | 0.96 | 12 | 0.14 | 0.86 | 18.72 |
| | 60 | CC lining for Momi area MIP at adi pasi Sibuk | 40 | 0 | 0 | 40 | 30.00 | 40 | 0.48 | 36 | 16.20 | 8 | 4.00 | 4 | 2.00 | 36 | 2.16 | 40 | 3.20 | 40 | 0.48 | 2.76 | 61.28 |
| | 61 | MIP for Rapu area from Kenying Nallah at Adi Pasi Sikko | 29 | 0 | 0 | 29 | 21.75 | 29 | 0.35 | 26 | 11.70 | 6 | 3.00 | 3 | 1.50 | 26 | 1.56 | 29 | 2.32 | 29 | 0.35 | 2.01 | 44.54 |
| | 62 | MIP for Momi Area from sinyang Stream at Mopom at Adi Pasi Bine | 63 | 0 | 0 | 63 | 47.25 | 63 | 0.76 | 57 | 25.65 | 13 | 6.50 | 6 | 3.00 | 57 | 3.42 | 63 | 5.04 | 63 | 0.76 | 4.36 | 96.73 |
| | | **Sub Total =** | **289** | **23** | **80.5** | **266** | **199.5** | **289** | **3.468** | **259** | **116.55** | **71** | **35.50** | **30** | **15** | **259** | **15.54** | **266** | **21.28** | **289** | **3.468** | **20.41** | **511.22** |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Geku** | 63 | MIP at sinyung nallah for pobe area at Komkar ( Buksang | 84 | 84 | 294 | 0 | 0 | 84 | 1.01 | 76 | 34.20 | 60 | 30.00 | 8 | 4.00 | 76 | 4.56 | 0 | 0.00 | 84 | 1.01 | 7.28 | 376.06 |
| | 64 | MIP for Modong Cultivation field at Komkar (Buksang) . | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| | 65 | MIC for Mone area at Komkar (Bksang) | 20 | 0 | 0 | 20 | 15.00 | 20 | 0.24 | 18 | 8.10 | 4 | 2.00 | 2 | 1.00 | 18 | 1.08 | 20 | 1.60 | 20 | 0.24 | 1.38 | 30.64 |
| | 66 | MIP at Sijum nallah for Hirem area at Komkar (Sizer) | 23 | 23 | 80.5 | 0 | 0 | 23 | 0.28 | 21 | 9.45 | 16 | 8.00 | 2 | 1.00 | 21 | 1.26 | 0 | 0.00 | 23 | 0.28 | 1.97 | 102.73 |
| | 67 | MIP at Sinyeng nallah for Libang & Milang Bedang Area Komkar (Rasing) | 65 | 65 | 227.5 | 0 | 0 | 65 | 0.78 | 59 | 26.55 | 40 | 20.00 | 6 | 3.00 | 59 | 3.54 | 0 | 0.00 | 65 | 0.78 | 5.31 | 287.46 |
| | 68 | MIP at Hirang Nallah at Jommo area at Jomlo Kupak | 12 | 0 | 0 | 12 | 9.00 | 12 | 0.14 | 11 | 4.95 | 2 | 1.00 | 1 | 0.50 | 11 | 0.66 | 12 | 0.96 | 12 | 0.14 | 0.81 | 18.17 |
| | 69 | MIP at Silli River for Liging and Gopong area at Sili Hydel Camp | 45 | 45 | 157.5 | 0 | 0 | 45 | 0.54 | 41 | 18.45 | 28 | 14.00 | 4 | 2.00 | 41 | 2.46 | 0 | 0.00 | 45 | 0.54 | 3.69 | 199.18 |
| | 70 | MIC from Sili Nallah to Reyap at Silly Hydel Camp. | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 1 | 0.50 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.52 | 11.92 |
| | 71 | MIP at Sirok nallah for Sikmi & Meging area at Sumsing. | 18 | 18 | 63 | 0 | 0 | 18 | 0.22 | 16 | 7.20 | 11 | 5.50 | 2 | 1.00 | 16 | 0.96 | 0 | 0.00 | 18 | 0.22 | 1.47 | 79.56 |
| | 72 | MIP from Sisen stream to Basi area at Geku. | 4 | 4 | 14 | 0 | 0 | 4 | 0.05 | 4 | 1.80 | 2 | 1.00 | 0 | 0.00 | 4 | 0.24 | 0 | 0.00 | 4 | 0.05 | 0.30 | 17.44 |
| | 73 | MIP for Yumruk-Sarpu Cultivation field at Geku. | 18 | 18 | 63 | 0 | 0 | 18 | 0.22 | 16 | 7.20 | 11 | 5.50 | 2 | 1.00 | 16 | 0.96 | 0 | 0.00 | 18 | 0.22 | 1.47 | 79.56 |
| | 74 | MIP at Sikki cultivation Area ftom Sisan korong at Geku | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| | 75 | MIP Sobang stream to Sobang area at Geku | 8 | 0 | 0 | 8 | 6.00 | 8 | 0.10 | 7 | 3.15 | 2 | 1.00 | 1 | 0.50 | 7 | 0.42 | 8 | 0.64 | 8 | 0.10 | 0.57 | 12.47 |
| | 76 | MIP from Namging Korong for Sumging area at Geku. | 10 | 0 | 0 | 10 | 7.50 | 10 | 0.12 | 9 | 4.05 | 2 | 1.00 | 1 | 0.50 | 9 | 0.54 | 10 | 0.80 | 10 | 0.12 | 0.69 | 15.32 |
| | 77 | MIP at Hinyum nallah for Sibum village | 389 | 389 | 1361.5 | 0 | 0 | 389 | 4.67 | 350 | 157.50 | 280 | 140.00 | 39 | 19.50 | 350 | 21.00 | 0 | 0.00 | 389 | 4.67 | 33.80 | 1742.64 |
| | 78 | MIP at Sileng nallah in Pongging vill. | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| | 79 | MIP at Ebung nallah for Relung area at Pongging | 15 | 15 | 52.5 | 0 | 0 | 15 | 0.18 | 14 | 6.30 | 9 | 4.50 | 1 | 0.50 | 14 | 0.84 | 0 | 0.00 | 15 | 0.18 | 1.21 | 66.21 |
| | 80 | Ruklak area MIP at padu Tangkum village | 88 | 0 | 0 | 88 | 66.00 | 88 | 1.06 | 79 | 35.55 | 18 | 9.00 | 9 | 4.50 | 79 | 4.74 | 88 | 7.04 | 88 | 1.06 | 6.08 | 135.02 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 81 | Siyar MIC for Kangak area at Padu TangkumVillage | 2 | 2 | 7 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.15 | 8.72 |
| | 82 | MIP at Gumpir cultivation area from Yango apko at Padu Tangkum | 14 | 14 | 49 | 0 | 0 | 14.00 | 0.17 | 13 | 5.85 | 9 | 4.50 | 1 | 0.50 | 13 | 0.78 | 0 | 0.00 | 14 | 0.17 | 1.16 | 62.13 |
| | 83 | Dolbung Area MIP from Dumik Korong at Padu Tangkum | 58 | 0 | 0 | 58 | 43.50 | 58.00 | 0.70 | 52 | 23.40 | 12 | 6.00 | 6 | 3.00 | 52 | 3.12 | 58 | 4.64 | 58 | 0.70 | 4.02 | 89.07 |
| | 84 | MIP for Pirying area from Singer stream at Silli | 35 | 35 | 122.5 | 0 | 0 | 35.00 | 0.42 | 32 | 14.40 | 22 | 11.00 | 3 | 1.50 | 32 | 1.92 | 0 | 0.00 | 35 | 0.42 | 2.88 | 155.04 |
| | 85 | MIP for Gaypeng area from Sige stream at silli | 48 | 48 | 168 | 0 | 0 | 48 | 0.58 | 43 | 19.35 | 35 | 17.50 | 5 | 2.50 | 43 | 2.58 | 0 | 0.00 | 48 | 0.58 | 4.19 | 215.27 |
| | 86 | MIP at Pargam nallah for Libong area Katan | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 2 | 1.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.61 | 41.94 |
| | | **Sub Total =** | **1004** | **800** | **2800** | **204** | **153** | **1004** | **12.048** | **906** | **407.70** | **586** | **293** | **98** | **49** | **906** | **54.36** | **204** | **16.32** | **1004** | **12.048** | **82.04** | **3879.52** |
| **Tuting** | 87 | MIP from Sidung Korong at Kugging | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| | 88 | MIP from Sisik Korong at Kugging | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| | 89 | Koyung MIP at Ningging | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| | 90 | MIP at Birung Nallah to Tiyum area at Ningging | 15 | 15 | 52.5 | 0 | 0 | 15 | 0.18 | 14 | 6.30 | 9 | 4.50 | 1 | 0.50 | 14 | 0.84 | 0 | 0.00 | 15 | 0.18 | 1.21 | 66.21 |
| | 91 | MIP at Densing Gejong MIC to Ongkong Tuting | 20 | 20 | 70 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 12 | 6.00 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.62 | 88.28 |
| | 92 | MIP for Elum Korong to Arik area at Tuting | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| | 93 | Kakir MIP at Sikut area Tuting | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| | 94 | C/O MIC from Guhing Korong for Gemang area at Palling. | 2 | 2 | 7 | 0 | 0 | 2.00 | 0.02 | 2 | 0.90 | 1 | 0.50 | 0 | 0.00 | 2 | 0.12 | 0 | 0.00 | 2 | 0.02 | 0.15 | 8.72 |
| | 95 | Sigung Nallah MIP for Dongkong area at Palling | 7 | 7 | 24.5 | 0 | 0 | 7 | 0.08 | 6 | 2.70 | 5 | 2.50 | 1 | 0.50 | 6 | 0.36 | 0 | 0.00 | 7 | 0.08 | 0.61 | 31.34 |
| | 96 | Improvement of Titing MIC at Palling Village | 4 | 4 | 14 | 0 | 0 | 4 | 0.05 | 4 | 1.80 | 2 | 1.00 | 0 | 0.00 | 4 | 0.24 | 0 | 0.00 | 4 | 0.05 | 0.30 | 17.44 |
| | | **Sub Total =** | **98** | **98** | **343** | **0** | **0** | **98** | **1.176** | **89** | **40.05** | **61** | **30.5** | **9** | **4.5** | **89** | **5.34** | **0** | **0** | **98** | **1.176** | **8.04** | **433.782** |
| **Singa** | 97 | Langgingri MIP for Jingong area at Bishing | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| | 98 | Ngalungri MIP to Ngalung area at Kopu | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| | 99 | WRC field Lebary area to Manery area at Nyukkong | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 100 | Ngalungchu MIP at Yortung | 20 | 20 | 70 | 0 | 0 | 20 | 0.24 | 18 | 8.10 | 14 | 7.00 | 2 | 1.00 | 18 | 1.08 | 0 | 0.00 | 20 | 0.24 | 1.72 | 89.38 |
| | 101 | Ngalumdem MIP at Mankota | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 7 | 3.50 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.86 | 44.69 |
| | 102 | Tosichu MIP at Tashigoan | 6 | 6 | 21 | 0 | 0 | 6 | 0.07 | 5 | 2.25 | 4 | 2.00 | 1 | 0.50 | 5 | 0.30 | 0 | 0.00 | 6 | 0.07 | 0.51 | 26.70 |
| | 103 | Ngalunchu MIP Damchodem area at Simuling | 10 | 10 | 35 | 0 | 0 | 10 | 0.12 | 9 | 4.05 | 6 | 3.00 | 1 | 0.50 | 9 | 0.54 | 0 | 0.00 | 10 | 0.12 | 0.81 | 44.14 |
| | | **Sub Total =** | **76** | **76** | **266** | **0** | **0** | **76** | **0.912** | **68** | **30.6** | **52** | **26** | **8** | **4** | **68** | **4.08** | **0** | **0** | **76** | **0.912** | **6.48** | **338.98** |
| | | **G/Total =** | **2482** | **1314** | **4599** | **1168** | **876** | **2482** | **29.78** | **2238** | **1007.10** | **1160** | **580.00** | **244** | **122** | **2238** | **134.28** | **1168** | **93.44** | **2482** | **29.78** | **193.78** | **7665.17** |

## Annexure II: Strategic Action Plan by Agriculture Department under PMKSY (Per Drop More Crop)

| Sl No | Name of Block | village | | Activities | Total No of units | Command area (in Ha) | Period of implementation in year | unit cost per Ha | Estimated cost (in Rs) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1 | YINGKIONG | Pugging | | 1) Non-DPAP Sprikler | 5 | 5 | 4 | 450000 | 2250000 |
| | | | | 2) Secondary storage structure of 1200 cu.m | 25 | 25 | 4 | 250000 | 6250000 |
| | | | | 3) On Farm development (distribution of pipe/raised bed | 30 | 30 | 4 | 150000 | 4500000 |
| | | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Gette | | 1) Non-DPAP Sprikler | 7 | 7 | 4 | 450000 | 3150000 |
| | | | | 2) Secondary storage structure | 25 | 25 | 4 | 250000 | 6250000 |
| | | | | of 1200 cu.m | | | | | |
| | | | | 3) On Farm development | 50 | 50 | 4 | 150000 | 7500000 |
| | | | | (distribution of pipe/raised | | | | | |
| | | | | bed and furrow | | | | | |
| | | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Simong | | 1) Non-DPAP Sprikler | 10 | 10 | 4 | 450000 | 4500000 |
| | | | | 2) Secondary storage structure | 30 | 30 | 4 | 250000 | 7500000 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | of 1200 cu.m | | | | | |
| | | | | 3) On Farm development | 50 | 50 | 4 | 150000 | 7500000 |
| | | | | (distribution of pipe/raised | | | | | |
| | | | | bed and furrow | | | | | |
| | | | | 4) Training to farmers | 6 | 6 | 4 | 24000 | 144000 |
| | | Gobuk | | 1) Non-DPAP Sprikler | 3 | 3 | 4 | 450000 | 1350000 |
| | | | | 2) Secondary storage structure | 20 | 20 | 4 | 250000 | 5000000 |
| | | | | of 1200 cu.m | | | | | |
| | | | | 3) On Farm development | 20 | 20 | 4 | 150000 | 3000000 |
| | | | | (distribution of pipe/raised | | | | | |
| | | | | bed and furrow | | | | | |

| Sl No | Name of Block | village | Activities | Total No of units | Command area (in Ha) | Period of implementation in year | unit cost per Ha | Estimated cost (in Rs) |
|---|---|---|---|---|---|---|---|---|
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Halleng | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 7 | 7 | 4 | 250000 | 1750000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 10 | 10 | 4 | 150000 | 1500000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2 | JENGING | Karko | 1) Non-DPAP Sprikler | 4 | 4 | 4 | 450000 | 1800000 |
| | | | 2) Secondary storage structure | 50 | 50 | 4 | 250000 | 12500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 50 | 50 | 4 | 150000 | 7500000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Jengging | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 5 | 5 | 4 | 250000 | 1250000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 10 | 10 | 4 | 150000 | 1500000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Gosang | 1) Non-DPAP Sprikler | 8 | 8 | 4 | 450000 | 3600000 |
| | | | 2) Secondary storage structure | 50 | 50 | 4 | 250000 | 12500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 50 | 50 | 4 | 150000 | 7500000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Ramsing | 1) Non-DPAP Sprikler | 3 | 3 | 4 | 450000 | 1350000 |

| **Sl No** | **Name of Block** | **village** | **Activities** | **Total No of units** | **Command area (in Ha)** | **Period of implementation in year** | **unit cost per Ha** | **Estimated cost (in Rs)** |
|---|---|---|---|---|---|---|---|---|
| | | | 2) Secondary storage structure | 15 | 15 | 4 | 250000 | 3750000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 25 | 25 | 4 | 150000 | 3750000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | Bomdo | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 30 | 30 | 4 | 250000 | 7500000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 25 | 25 | 4 | 150000 | 3750000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | Janbo | 1) Non-DPAP Sprikler | 3 | 3 | 4 | 450000 | 1350000 |
| | | | 2) Secondary storage structure | 30 | 30 | 4 | 250000 | 7500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 25 | 25 | 4 | 150000 | 3750000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | | | | | | | |
| 3 | Geku | Komkar | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 30 | 30 | 4 | 250000 | 7500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 30 | 30 | 4 | 150000 | 4500000 |
| | | | (distribution of pipe/raised | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Geku | 1) Non-DPAP Sprikler | 8 | 8 | 4 | 450000 | 3600000 |
| | | | 2) Secondary storage structure | 150 | 150 | 4 | 250000 | 37500000 |
| | | | of 1200 cu.m | | | | | |

| Sl No | Name of Block | village | Activities | Total No of units | Command area (in Ha) | Period of implementation in year | unit cost per Ha | Estimated cost (in Rs) |
|---|---|---|---|---|---|---|---|---|
| | | | 3) On Farm development | 200 | 200 | 4 | 150000 | 30000000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 10 | 10 | 4 | 24000 | 240000 |
| | | Sibum | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 20 | 20 | 4 | 250000 | 5000000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 30 | 30 | 4 | 150000 | 4500000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Sumsing | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 20 | 20 | 4 | 250000 | 5000000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 30 | 30 | 4 | 150000 | 4500000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | Katan HQ | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 10 | 10 | 4 | 250000 | 2500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 15 | 15 | 4 | 150000 | 2250000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | Padu | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 50 | 50 | 4 | 250000 | 12500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 80 | 80 | 4 | 150000 | 12000000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |

| Sl No | Name of Block | village | Activities | Total No of units | Command area (in Ha) | Period of implementation in year | unit cost per Ha | Estimated cost (in Rs) |
|---|---|---|---|---|---|---|---|---|
| | | | 4) Training to farmers | 6 | 6 | 4 | 24000 | 144000 |
| | | Silli | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 30 | 30 | 4 | 250000 | 7500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 45 | 45 | 4 | 150000 | 6750000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Jeru | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 15 | 15 | 4 | 250000 | 3750000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 45 | 45 | 4 | 150000 | 6750000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Pongging | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 15 | 15 | 4 | 250000 | 3750000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 45 | 45 | 4 | 150000 | 6750000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | | | | | | | |
| 4 | Mariyang | Kolung | 1) Non-DPAP Sprikler | 1 | 1 | 4 | 450000 | 450000 |
| | | | 2) Secondary storage structure | 5 | 5 | 4 | 250000 | 1250000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 5 | 5 | 4 | 150000 | 750000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 1 | 1 | 4 | 24000 | 24000 |
| | | Dalbing | 1) Non-DPAP Sprikler | 3 | 3 | 4 | 450000 | 1350000 |

| Sl No | Name of Block | village | Activities | Total No of units | Command area (in Ha) | Period of implementation in year | unit cost per Ha | Estimated cost (in Rs) |
|---|---|---|---|---|---|---|---|---|
| | | | 2) Secondary storage structure | 40 | 40 | 4 | 250000 | 10000000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 70 | 70 | 4 | 150000 | 10500000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 5 | 5 | 4 | 24000 | 120000 |
| | | Peki-Modi | 1) Non-DPAP Sprikler | 0 | 0 | 0 | 0 | 0 |
| | | | 2) Secondary storage structure | 3 | 3 | 3 | 250000 | 750000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 30 | 30 | 4 | 150000 | 4500000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | Mariyang hq | 1) Non-DPAP Sprikler | 8 | 8 | 4 | 450000 | 3600000 |
| | | | 2) Secondary storage structure | 50 | 50 | 3 | 250000 | 12500000 |
| | | | of 1200 cu.m | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 3) On Farm development | 30 | 30 | 4 | 150000 | 4500000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 5 | 5 | 4 | 24000 | 120000 |
| | | Damro | 1) Non-DPAP Sprikler | 15 | 15 | 4 | 450000 | 6750000 |
| | | | 2) Secondary storage structure | 80 | 80 | 3 | 250000 | 20000000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 100 | 100 | 4 | 150000 | 15000000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 8 | 8 | 4 | 24000 | 192000 |
| | | Adipasi-sibuk | 1) Non-DPAP Sprikler | 2 | 2 | 0 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 18 | 18 | 3 | 250000 | 4500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 45 | 45 | 4 | 150000 | 6750000 |

| **Sl No** | **Name of Block** | **village** | **Activities** | **Total No of units** | **Command area (in Ha)** | **Period of implementation in year** | **unit cost per Ha** | **Estimated cost (in Rs)** |
|---|---|---|---|---|---|---|---|---|
| | | | (distribution of pipe/raised | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | adipasi-siko bine | 1) Non-DPAP Sprikler | 2 | 2 | 0 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 35 | 35 | 3 | 250000 | 8750000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 35 | 35 | 4 | 150000 | 5250000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | | | | | | | |
| 5 | Tuting | Mosing | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 35 | 35 | 3 | 250000 | 8750000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 35 | 35 | 4 | 150000 | 5250000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | Migging | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 2) Secondary storage structure | 30 | 30 | 4 | 250000 | 7500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 35 | 35 | 4 | 150000 | 5250000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | Panggo | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 40 | 40 | 4 | 250000 | 10000000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 70 | 70 | 4 | 150000 | 10500000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |

| **Sl No** | **Name of Block** | **village** | **Activities** | **Total No of units** | **Command area (in Ha)** | **Period of implementation in year** | **unit cost per Ha** | **Estimated cost (in Rs)** |
|---|---|---|---|---|---|---|---|---|
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Ningging | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 40 | 40 | 4 | 250000 | 10000000 |
| | | | of 1200 cu.m | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 3) On Farm development | 55 | 55 | 4 | 150000 | 8250000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Tuting | 1) Non-DPAP Sprikler | 10 | 10 | 4 | 450000 | 4500000 |
| | | | 2) Secondary storage structure | 60 | 60 | 4 | 250000 | 15000000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 80 | 80 | 4 | 150000 | 12000000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Jido | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 7 | 7 | 4 | 250000 | 1750000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 10 | 10 | 4 | 150000 | 1500000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Pokbir | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 25 | 25 | 4 | 250000 | 6250000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 32 | 32 | 4 | 150000 | 4800000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | Kugging | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 12 | 12 | 4 | 250000 | 3000000 |

| **Sl No** | **Name of Block** | **village** | **Activities** | **Total No of units** | **Command area (in Ha)** | **Period of implementation in year** | **unit cost per Ha** | **Estimated cost (in Rs)** |
|---|---|---|---|---|---|---|---|---|
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 25 | 25 | 4 | 150000 | 3750000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Ngamying | 1) Non-DPAP Sprikler | 5 | 5 | 4 | 450000 | 2250000 |
| | | | 2) Secondary storage structure | 70 | 70 | 4 | 250000 | 17500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 67 | 67 | 4 | 150000 | 10050000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 8 | 8 | 4 | 24000 | 192000 |
| | | Tengo | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 6 | 6 | 4 | 250000 | 1500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 12 | 12 | 4 | 150000 | 1800000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | Nyering | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 13 | 13 | 4 | 250000 | 3250000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 27 | 27 | 4 | 150000 | 4050000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | Gome | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 11 | 11 | 4 | 250000 | 2750000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 28 | 28 | 4 | 150000 | 4200000 |
| | | | (distribution of pipe/raised | | | | | |

| **Sl No** | **Name of Block** | **village** | **Activities** | **Total No of units** | **Command area (in Ha)** | **Period of implementation in year** | **unit cost per Ha** | **Estimated cost (in Rs)** |
|---|---|---|---|---|---|---|---|---|
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | Lali | 1) Non-DPAP Sprikler | 3 | 3 | 4 | 450000 | 1350000 |
| | | | 2) Secondary storage structure | 28 | 28 | 4 | 250000 | 7000000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 65 | 65 | 4 | 150000 | 9750000 |
| | | | (distribution of pipe/raised | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Rishing | 1) Non-DPAP Sprikler | 3 | 3 | 4 | 450000 | 1350000 |
| | | | 2) Secondary storage structure | 31 | 31 | 4 | 250000 | 7750000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 46 | 46 | 4 | 150000 | 6900000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Pekong | 1) Non-DPAP Sprikler | 10 | 10 | 4 | 450000 | 4500000 |
| | | | 2) Secondary storage structure | 57 | 57 | 4 | 250000 | 14250000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 65 | 65 | 4 | 150000 | 9750000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 6 | 6 | 4 | 24000 | 144000 |
| | | Angging-Monge | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 20 | 20 | 4 | 250000 | 5000000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 25 | 25 | 4 | 150000 | 3750000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | Singing | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |

| **Sl No** | **Name of Block** | **village** | **Activities** | **Total No of units** | **Command area (in Ha)** | **Period of implementation in year** | **unit cost per Ha** | **Estimated cost (in Rs)** |
|---|---|---|---|---|---|---|---|---|
| | | | 2) Secondary storage structure | 22 | 22 | 4 | 250000 | 5500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 27 | 27 | 4 | 150000 | 4050000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 3 | 3 | 4 | 24000 | 72000 |
| | | Likor | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 21 | 21 | 4 | 250000 | 5250000 |
| | | | of 1200 cu.m | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | 3) On Farm development | 26 | 26 | 4 | 150000 | 3900000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Palling | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 30 | 30 | 4 | 250000 | 7500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 29 | 29 | 4 | 150000 | 4350000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 3 | 3 | 4 | 24000 | 72000 |
| | | | | | | | | |
| 6 | Singha - Galling | Mayum | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 30 | 30 | 4 | 250000 | 7500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 33 | 33 | 4 | 150000 | 4950000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Bishing | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 30 | 30 | 4 | 250000 | 7500000 |
| | | | of 1200 cu.m | | | | | |

| Sl No | Name of Block | village | Activities | Total No of units | Command area (in Ha) | Period of implementation in year | unit cost per Ha | Estimated cost (in Rs) |
|---|---|---|---|---|---|---|---|---|
| | | | 3) On Farm development | 32 | 32 | 4 | 150000 | 4800000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 3 | 3 | 4 | 24000 | 72000 |
| | | Bona | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 30 | 30 | 4 | 250000 | 7500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 29 | 29 | 4 | 150000 | 4350000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 3 | 3 | 4 | 24000 | 72000 |
| | | Kopu | 1) Non-DPAP Sprikler | 3 | 3 | 4 | 450000 | 1350000 |
| | | | 2) Secondary storage structure | 36 | 36 | 4 | 250000 | 9000000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 45 | 45 | 4 | 150000 | 6750000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 5 | 5 | 4 | 24000 | 120000 |
| | | Gelling | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 27 | 27 | 4 | 250000 | 6750000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 45 | 45 | 4 | 150000 | 6750000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 3 | 3 | 4 | 24000 | 72000 |
| | | Norbudling | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 25 | 25 | 4 | 250000 | 6250000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 45 | 45 | 4 | 150000 | 6750000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |

| Sl No | Name of Block | village | Activities | Total No of units | Command area (in Ha) | Period of implementation in year | unit cost per Ha | Estimated cost (in Rs) |
|---|---|---|---|---|---|---|---|---|
| | | | 4) Training to farmers | 3 | 3 | 4 | 24000 | 72000 |
| | | Nyokkong | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 25 | 25 | 4 | 250000 | 6250000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 32 | 32 | 4 | 150000 | 4800000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 3 | 3 | 4 | 24000 | 72000 |
| | | Payindam | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 25 | 25 | 4 | 250000 | 6250000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 18 | 18 | 4 | 150000 | 2700000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 3 | 3 | 4 | 24000 | 72000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Yorteng | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 16 | 16 | 4 | 250000 | 4000000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 18 | 18 | 4 | 150000 | 2700000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 3 | 3 | 4 | 24000 | 72000 |
| | | Mankota-Deokota | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 30 | 30 | 4 | 250000 | 7500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 35 | 35 | 4 | 150000 | 5250000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Tashi Gaon | 1) Non-DPAP Sprikler | 2 | 2 | 4 | 450000 | 900000 |
| | | | 2) Secondary storage structure | 18 | 18 | 4 | 250000 | 4500000 |

| Sl No | Name of Block | village | Activities | Total No of units | Command area (in Ha) | Period of implementation in year | unit cost per Ha | Estimated cost (in Rs) |
|---|---|---|---|---|---|---|---|---|
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 36 | 36 | 4 | 150000 | 5400000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 3 | 3 | 4 | 24000 | 72000 |
| | | Sillipu-Simuge | 1) Non-DPAP Sprikler | 1 | 1 | 4 | 450000 | 450000 |
| | | | 2) Secondary storage structure | 11 | 11 | 4 | 250000 | 2750000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 20 | 20 | 4 | 150000 | 3000000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 2 | 2 | 4 | 24000 | 48000 |
| | | Singa (old & new ) | 1) Non-DPAP Sprikler | 3 | 3 | 4 | 450000 | 1350000 |
| | | | 2) Secondary storage structure | 34 | 34 | 4 | 250000 | 8500000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 56 | 56 | 4 | 150000 | 8400000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 4 | 4 | 4 | 24000 | 96000 |
| | | Simuling-Angachi | 1) Non-DPAP Sprikler | 1 | 1 | 4 | 450000 | 450000 |
| | | | 2) Secondary storage structure | 4 | 4 | 4 | 250000 | 1000000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 6 | 6 | 4 | 150000 | 900000 |
| | | | (distribution of pipe/raised | | | | | |
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 1 | 1 | 4 | 24000 | 24000 |
| | | Silage | 1) Non-DPAP Sprikler | 0 | 0 | 0 | 0 | 0 |
| | | | 2) Secondary storage structure | 3 | 3 | 4 | 250000 | 750000 |
| | | | of 1200 cu.m | | | | | |
| | | | 3) On Farm development | 3 | 3 | 4 | 150000 | 450000 |
| | | | (distribution of pipe/raised | | | | | |

| Sl No | Name of Block | village | Activities | Total No of units | Command area (in Ha) | Period of implementation in year | unit cost per Ha | Estimated cost (in Rs) |
|---|---|---|---|---|---|---|---|---|
| | | | bed and furrow | | | | | |
| | | | 4) Training to farmers | 1 | 1 | 4 | 24000 | 24000 |
| | | | | | | | | |
| | | | | | | | Total | 889694000 |

## Annexure III: Physical & Financial Phasing Of Proposed Activity Wise Work Component under Pmksy by Agriculture Department

### A. 1st Year: 2016 - 17 (Per Drop More Crop)

| Name of Block | Micro Irrigation | | Supplementary water management activities | | | | | | Grand Total |
|---|---|---|---|---|---|---|---|---|---|
| | Non-DPAP Sprikler | | Secondary storage structure of1200 cu.m OFD Works | | On Farm development (distribution of pipe/raised bed and furrow | | Training to farmers | | |
| | Phy (Ha) | Fin | Phy (Ha) | Fin | Phy (Ha) | Fin | Phy (No) | Fin | Fin |
| **Yingkiong** | 27 | 121.50 | 107 | 267.50 | 160 | 240.00 | 20 | 4.80 | 633.80 |
| **Jengging** | 22 | 99.00 | 180 | 450.00 | 185 | 277.50 | 16 | 3.84 | 830.34 |
| **Grand Total** | 49 | 220.5 | 287 | 717.5 | 345 | 517.5 | 36 | 8.64 | 1464.14 |

### B. 2nd Year: 2017 - 18 (Per Drop More Crop)

| Name of Block | Micro Irrigation | | Supplementary water management activities | | | | | | Grand Total |
|---|---|---|---|---|---|---|---|---|---|
| | Non-DPAP Sprikler | | Secondary storage structure of 1200 cu.m OFD Works | | On Farm development (distribution of pipe/raised bed and furrow) | | Training to farmers | | |
| | Phy (Ha) | Fin | Phy (Ha) | Fin | Phy (Ha) | Fin | Phy (No) | Fin | Fin |
| **Geku** | 24 | 108.00 | 340 | 850.00 | 520 | 780.00 | 38 | 9.12 | 1747.12 |
| **Mariyang** | 31 | 139.50 | 231 | 577.50 | 315 | 472.50 | 25 | 6.00 | 1195.50 |
| **Grand Total** | 55 | 247.5 | 571 | 1427.5 | 835 | 1252.5 | 63 | 15.12 | 2942.62 |

## C. 3rd Year: 2018 - 19 (Per Drop More Crop)

| Name of Block | Per drop more crop (Micro Irrigation) | | Supplementary water management activities | | | | | | Grand Total |
|---|---|---|---|---|---|---|---|---|---|
| | Non-DPAP Sprikler | | Secondary storage structure of 1200 cu.m OFD Works | | On Farm development (distribution of pipe/raised bed and furrow | | Training to farmers | | |
| | Phy (Ha) | Fin | Phy (Ha) | Fin | Phy (Ha) | Fin | Phy (No) | Fin | Fin |
| **Tuting** | 59 | 265.50 | 558 | 1395.00 | 759 | 1138.50 | 64 | 15.36 | 2814.36 |
| **Grand Total** | 59 | 265.5 | 558 | 1395 | 759 | 1138.5 | 64 | 15.36 | 2814.36 |

## D. 4th Year: 2019 - 20 (Per Drop More Crop)

| Name of Block | Per drop more crop (Micro Irrigation) | | Supplementary water management activities | | | | | | Grand Total |
|---|---|---|---|---|---|---|---|---|---|
| | Non-DPAP Sprikler | | Secondary storage structure of 1200 cu.m OFD Works | | On Farm development (distribution of pipe/raised bed and furrow | | Training to farmers | | |
| | Phy (Ha) | Fin | Phy (Ha) | Fin | Phy (Ha) | Fin | Phy (No) | Fin | Fin |
| **Singha - Galling** | 28 | 126.00 | 344 | 860.00 | 453 | 679.50 | 43 | 10.32 | 1675.82 |
| **Grand Total** | 28 | 126 | 344 | 860 | 453 | 679.5 | 43 | 10.32 | 1675.82 |

## Annexure IV: Strategic Action Plan by Horticulture Department for Irrigation in Upper Siang District under Pmksy (Per Drop More Crop)

| Sr. No. | Name of village | Name of Block | Component | Activity | Total Number | Total Command Area (Ha.) | Period of implementation | Total Estimated Cost (in Rs. Lakhs) | 2016-17 Cost (in Rs. Lakhs) | 2017-18 Cost (in Rs. Lakhs) | 2018-19 Cost (in Rs. Lakhs) | 2019-20 Cost (in Rs. Lakhs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Tuting HQ. | Tuting | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 2 | Kugging village | Tuting | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |
| 3 | Ngaming village | Tuting | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |
| 4 | Ningging village | Tuting | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |
| 5 | Nyering village | Tuting | Per Drop More Crop | Drip Irrigation | 2 | 2 | 4 | 4.8 | 1.2 | 1.2 | 1.2 | 1.2 |
| 6 | Jido village | Tuting | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |
| 7 | Migging HQ. | Tuting | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 8 | Pango village | Tuting | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |
| 9 | Mossing village | Tuting | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |
| 10 | Palling HQ. | Tuting | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 11 | Singing | Tuting | Per Drop More Crop | Drip Irrigation | 2 | 2 | 4 | 4.8 | 1.2 | 1.2 | 1.2 | 1.2 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | Likor | Tuting | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |
| 13 | Angging | Tuting | Per Drop More Crop | Drip Irrigation | 2 | 2 | 4 | 4.8 | 1.2 | 1.2 | 1.2 | 1.2 |
| 14 | Gelling HQ. | Tuting | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 15 | Mayum village | Tuting | Per Drop More Crop | Drip Irrigation | 1 | 1 | 4 | 2.4 | 0.6 | 0.6 | 0.6 | 0.6 |
| 16 | Bishing village | Tuting | Per Drop More Crop | Drip Irrigation | 2 | 2 | 4 | 4.8 | 1.2 | 1.2 | 1.2 | 1.2 |
| 17 | Bona village | Tuting | Per Drop More Crop | Drip Irrigation | 1 | 1 | 4 | 2.4 | 0.6 | 0.6 | 0.6 | 0.6 |
| 18 | Kopu village | Tuting | Per Drop More Crop | Drip Irrigation | 2 | 2 | 4 | 4.8 | 1.2 | 1.2 | 1.2 | 1.2 |
| 19 | Singa HQ. | Payendum | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 20 | Nyokong village | Payendum | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |
| 21 | Payendum village | Payendum | Per Drop More Crop | Drip Irrigation | 2 | 2 | 4 | 4.8 | 1.2 | 1.2 | 1.2 | 1.2 |
| 22 | Yortung village | Payendum | Per Drop More Crop | Drip Irrigation | 2 | 2 | 4 | 4.8 | 1.2 | 1.2 | 1.2 | 1.2 |
| 23 | Mankota village | Payendum | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |
| 24 | Tashi Goan village | Payendum | Per Drop More Crop | Drip Irrigation | 2 | 2 | 4 | 4.8 | 1.2 | 1.2 | 1.2 | 1.2 |
| 25 | Silipu village | Payendum | Per Drop More Crop | Drip Irrigation | 2 | 2 | 4 | 4.8 | 1.2 | 1.2 | 1.2 | 1.2 |
| 26 | Simuge village | Payendum | Per Drop More Crop | Drip Irrigation | 1 | 1 | 4 | 2.4 | 0.6 | 0.6 | 0.6 | 0.6 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 27 | Simuling village | Payendum | Per Drop More Crop | Drip Irrigation | 1 | 1 | 4 | 2.4 | 0.6 | 0.6 | 0.6 | 0.6 |
| 28 | Angachi village | Payendum | Per Drop More Crop | Drip Irrigation | 1 | 1 | 4 | 2.4 | 0.6 | 0.6 | 0.6 | 0.6 |
| 29 | Yingkiong HQ. | Yingkiong | Per Drop More Crop | Drip Irrigation | 10 | 10 | 4 | 24 | 6 | 6 | 6 | 6 |
| 30 | Gette | Yingkiong | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 31 | Gobuk | Yingkiong | Per Drop More Crop | Drip Irrigation | 8 | 8 | 4 | 19.2 | 4.8 | 4.8 | 4.8 | 4.8 |
| 32 | Halleng | Yingkiong | Per Drop More Crop | Drip Irrigation | 2 | 2 | 4 | 4.8 | 1.2 | 1.2 | 1.2 | 1.2 |
| 33 | Pugging | Yingkiong | Per Drop More Crop | Drip Irrigation | 8 | 8 | 4 | 19.2 | 4.8 | 4.8 | 4.8 | 4.8 |
| 34 | Simong | Yingkiong | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 35 | Jengging HQ. | Jengging | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 36 | Bomdo village | Jengging | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 37 | Janbo village | Jengging | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 38 | Ramsing village | Jengging | Per Drop More Crop | Drip Irrigation | 4 | 4 | 4 | 9.6 | 2.4 | 2.4 | 2.4 | 2.4 |
| 39 | Gosang village | Jengging | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 40 | Moying village | Jengging | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |
| 41 | Karko village | Jengging | Per Drop More Crop | Drip Irrigation | 6 | 6 | 4 | 14.4 | 3.6 | 3.6 | 3.6 | 3.6 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | Mariyang HQ. | Mariyang | Per Drop More Crop | Drip Irrigation | 15 | 15 | 4 | 36 | 9 | 9 | 9 | 9 |
| 43 | Damro | Mariyang | Per Drop More Crop | Drip Irrigation | 12 | 12 | 4 | 28.8 | 7.2 | 7.2 | 7.2 | 7.2 |
| 44 | Adi-pasi (sibuk) | Mariyang | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 45 | Adi-pasi (Bine) | Mariyang | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 46 | Adi-pasi (Sikko) | Mariyang | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 47 | Milang | Mariyang | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 48 | Dalbing | Mariyang | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 49 | Peki-modi | Mariyang | Per Drop More Crop | Drip Irrigation | 1 | 1 | 4 | 2.4 | 0.6 | 0.6 | 0.6 | 0.6 |
| 50 | Kolung | Mariyang | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |
| 51 | **Geku HQ.** | Geku | Per Drop More Crop | Drip Irrigation | 10 | 10 | 4 | 24 | 6 | 6 | 6 | 6 |
| 52 | Komkar | Geku | Per Drop More Crop | Drip Irrigation | 10 | 10 | 4 | 24 | 6 | 6 | 6 | 6 |
| 53 | Sumsing | Geku | Per Drop More Crop | Drip Irrigation | 8 | 8 | 4 | 19.2 | 4.8 | 4.8 | 4.8 | 4.8 |
| 54 | Sibum | Geku | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |
| 55 | Jeru | Geku | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |
| 56 | Pongging | Geku | Per Drop More Crop | Drip Irrigation | 3 | 3 | 4 | 7.2 | 1.8 | 1.8 | 1.8 | 1.8 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 57 | Padu | Geku | Per Drop More Crop | Drip Irrigation | 5 | 5 | 4 | 12 | 3 | 3 | 3 | 3 |
| 58 | Silli | Geku | Per Drop More Crop | Drip Irrigation | 4 | 4 | 4 | 9.6 | 2.4 | 2.4 | 2.4 | 2.4 |
| | **Grand Total** | | | | **248** | **248** | | **595.2** | **148.8** | **148.8** | **148.8** | **148.8** |

## Annexure V: Strategic Action Plan by DRDA (RD) for Irrigation in Upper Siang District under PMKSY

| Sl No | Name of Block | Village | Activities | Total No of units | Command area (in Ha) | Period of implementation in year | unit cost per Ha | Estimated cost (in Rs) |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1 | YINGKIONG | Pugging | Farmpond | 7 | 10.5 | 5 years | 1,80,000.00 | 12,60,000.00 |
| | | | Check dams | 6 | 12 | 5 years | 5,00,000.00 | 30,00,000.00 |
| | | | Nallah bunds | 10 | 10 | 5 years | 2,00,000.00 | 20,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 11 | 16.5 | 5 years | 3,50,000.00 | 38,50,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 10 | 20 | 5 years | 5,00,000.00 | 50,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | |
| | | Gette | Farmpond | 8 | 12 | | 1,80,000.00 | 14,40,000.00 |
| | | | Check dams | 7 | 14 | | 5,00,000.00 | 35,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Nallah bunds | 11 | 11 | | 2,00,000.00 | 22,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 11 | 16.5 | 5 years | 3,50,000.00 | 38,50,000.00 |
| | | | Water conservation | 4 | 4.8 | 5 years | 2,00,000.00 | 8,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 7 | 14 | 5 years | 5,00,000.00 | 35,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | |
| | | Simong | Farmpond | 12 | 18 | 5 years | 1,80,000.00 | 21,60,000.00 |
| | | | Check dams | 11 | 22 | 5 years | 5,00,000.00 | 55,00,000.00 |
| | | | Nallah bunds | 20 | 20 | 5 years | 2,00,000.00 | 40,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 20 | 30 | 5 years | 3,50,000.00 | 70,00,000.00 |
| | | | Water conservation | 5 | 6 | 5 years | 2,00,000.00 | 10,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 20 | 40 | 5 years | 5,00,000.00 | 100,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | |
| | | Gobuk | Farmpond | 10 | 15 | 5 years | 1,80,000.00 | 18,00,000.00 |
| | | | Check dams | 11 | 22 | 5 years | 5,00,000.00 | 55,00,000.00 |
| | | | Nallah bunds | 15 | 15 | 5 years | 2,00,000.00 | 30,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 13 | 19.5 | 5 years | 3,50,000.00 | 45,50,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Water conservation | 7 | 8.4 | 5 years | 2,00,000.00 | 14,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 12 | 24 | 5 years | 5,00,000.00 | 60,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | |
| | | Halleng | Farmpond | 4 | 6 | 5 years | 1,80,000.00 | 7,20,000.00 |
| | | | Check dams | 1 | 2 | 5 years | 5,00,000.00 | 5,00,000.00 |
| | | | Nallah bunds | 5 | 5 | 5 years | 2,00,000.00 | 10,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 2 | 3 | 5 years | 3,50,000.00 | 7,00,000.00 |
| | | | Water conservation | 1 | 1.2 | 5 years | 2,00,000.00 | 2,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | **Sub Total** | | | | | **868,30,000.00** |
| **2** | **JENGING** | Karko | Farmpond | 10 | 15 | 5 years | 1,80,000.00 | 18,00,000.00 |
| | | | Check dams | 13 | 26 | 5 years | 5,00,000.00 | 65,00,000.00 |
| | | | Nallah bunds | 12 | 12 | 5 years | 2,00,000.00 | 24,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 14 | 21 | 5 years | 3,50,000.00 | 49,00,000.00 |
| | | | Water conservation | 8 | 9.6 | 5 years | 2,00,000.00 | 16,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 15 | 30 | 5 years | 5,00,000.00 | 75,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Jengging | Farmpond | 14 | 21 | 5 years | 1,80,000.00 | 25,20,000.00 |
| | | | Check dams | 12 | 24 | 5 years | 5,00,000.00 | 60,00,000.00 |
| | | | Nallah bunds | 12 | 12 | 5 years | 2,00,000.00 | 24,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 15 | 22.5 | 5 years | 3,50,000.00 | 52,50,000.00 |
| | | | Water conservation | 4 | 4.8 | 5 years | 2,00,000.00 | 8,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 20 | 40 | 5 years | 5,00,000.00 | 100,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Gosang | Farmpond | 12 | 18 | 5 years | 1,80,000.00 | 21,60,000.00 |
| | | | Check dams | 10 | 20 | 5 years | 5,00,000.00 | 50,00,000.00 |
| | | | Nallah bunds | 11 | 11 | 5 years | 2,00,000.00 | 22,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 7 | 10.5 | 5 years | 3,50,000.00 | 24,50,000.00 |
| | | | Water conservation | 8 | 9.6 | 5 years | 2,00,000.00 | 16,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 10 | 20 | 5 years | 5,00,000.00 | 50,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | |
| | | Ramsing | Farmpond | 7 | 10.5 | 5 years | 1,80,000.00 | 12,60,000.00 |
| | | | Check dams | 7 | 14 | 5 years | 5,00,000.00 | 35,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Nallah bunds | 8 | 8 | 5 years | 2,00,000.00 | 16,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 6 | 9 | 5 years | 3,50,000.00 | 21,00,000.00 |
| | | | Water conservation | 6 | 7.2 | 5 years | 2,00,000.00 | 12,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 8 | 16 | 5 years | 5,00,000.00 | 40,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Bomdo | Farmpond | 9 | 13.5 | 5 years | 1,80,000.00 | 16,20,000.00 |
| | | | Check dams | 6 | 12 | 5 years | 5,00,000.00 | 30,00,000.00 |
| | | | Nallah bunds | 7 | 7 | 5 years | 2,00,000.00 | 14,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 8 | 12 | 5 years | 3,50,000.00 | 28,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 6 | 12 | 5 years | 5,00,000.00 | 30,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Janbo | Farmpond | 7 | 10.5 | 5 years | 1,80,000.00 | 12,60,000.00 |
| | | | Check dams | 6 | 12 | 5 years | 5,00,000.00 | 30,00,000.00 |
| | | | Nallah bunds | 9 | 9 | 5 years | 2,00,000.00 | 18,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 10 | 15 | 5 years | 3,50,000.00 | 35,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Water conservation | 7 | 8.4 | 5 years | 2,00,000.00 | 14,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | - |
| | | | Land development | | | | | |
| | | | **Sub Total** | | | | | **1079,20,000.00** |
| **3** | **Geku** | **Komkar** | Farmpond | 12 | 18 | 5 years | 1,80,000.00 | 21,60,000.00 |
| | | | Check dams | 10 | 20 | 5 years | 5,00,000.00 | 50,00,000.00 |
| | | | Nallah bunds | 10 | 10 | 5 years | 2,00,000.00 | 20,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 10 | 15 | 5 years | 3,50,000.00 | 35,00,000.00 |
| | | | Water conservation | 3 | 3.6 | 5 years | 2,00,000.00 | 6,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 9 | 18 | 5 years | 5,00,000.00 | 45,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Geku | Farmpond | 15 | 22.5 | 5 years | 1,80,000.00 | 27,00,000.00 |
| | | | Check dams | 13 | 26 | 5 years | 5,00,000.00 | 65,00,000.00 |
| | | | Nallah bunds | 14 | 14 | 5 years | 2,00,000.00 | 28,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 14 | 21 | 5 years | 3,50,000.00 | 49,00,000.00 |
| | | | Water conservation | 7 | 8.4 | 5 years | 2,00,000.00 | 14,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 9 | 18 | 5 years | 5,00,000.00 | 45,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Sibum | Farmpond | 8 | 12 | 5 years | 1,80,000.00 | 14,40,000.00 |
| | | | Check dams | 7 | 14 | 5 years | 5,00,000.00 | 35,00,000.00 |
| | | | Nallah bunds | 7 | 7 | 5 years | 2,00,000.00 | 14,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 6 | 9 | 5 years | 3,50,000.00 | 21,00,000.00 |
| | | | Water conservation | 3 | 3.6 | 5 years | 2,00,000.00 | 6,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 8 | 16 | 5 years | 5,00,000.00 | 40,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Sumsing | Farmpond | 9 | 13.5 | 5 years | 1,80,000.00 | 16,20,000.00 |
| | | | Check dams | 6 | 12 | 5 years | 5,00,000.00 | 30,00,000.00 |
| | | | Nallah bunds | 6 | 6 | 5 years | 2,00,000.00 | 12,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 5 | 7.5 | 5 years | 3,50,000.00 | 17,50,000.00 |
| | | | Water conservation | 3 | 3.6 | 5 years | 2,00,000.00 | 6,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 5 | 10 | 5 years | 5,00,000.00 | 25,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Katan HQ | Farmpond | 12 | 18 | 5 years | 1,80,000.00 | 21,60,000.00 |
| | | | Check dams | 12 | 24 | 5 years | 5,00,000.00 | 60,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Nallah bunds | 11 | 11 | 5 years | 2,00,000.00 | 22,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 10 | 15 | 5 years | 3,50,000.00 | 35,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 8 | 16 | 5 years | 5,00,000.00 | 40,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Padu | Farmpond | 15 | 22.5 | 5 years | 1,80,000.00 | 27,00,000.00 |
| | | | Check dams | 10 | 20 | 5 years | 5,00,000.00 | 50,00,000.00 |
| | | | Nallah bunds | 15 | 15 | 5 years | 2,00,000.00 | 30,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 14 | 21 | 5 years | 3,50,000.00 | 49,00,000.00 |
| | | | Water conservation | 7 | 8.4 | 5 years | 2,00,000.00 | 14,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 10 | 20 | 5 years | 5,00,000.00 | 50,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Silli | Farmpond | 9 | 13.5 | 5 years | 1,80,000.00 | 16,20,000.00 |
| | | | Check dams | 6 | 12 | 5 years | 5,00,000.00 | 30,00,000.00 |
| | | | Nallah bunds | 10 | 10 | 5 years | 2,00,000.00 | 20,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 9 | 13.5 | 5 years | 3,50,000.00 | 31,50,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Water conservation | 7 | 8.4 | 5 years | 2,00,000.00 | 14,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 9 | 18 | 5 years | 5,00,000.00 | 45,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Jeru | Farmpond | 9 | 13.5 | 5 years | 1,80,000.00 | 16,20,000.00 |
| | | | Check dams | 8 | 16 | 5 years | 5,00,000.00 | 40,00,000.00 |
| | | | Nallah bunds | 6 | 6 | 5 years | 2,00,000.00 | 12,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 9 | 13.5 | 5 years | 3,50,000.00 | 31,50,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 8 | 16 | 5 years | 5,00,000.00 | 40,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Pongging | Farmpond | 7 | 10.5 | 5 years | 1,80,000.00 | 12,60,000.00 |
| | | | Check dams | 6 | 12 | 5 years | 5,00,000.00 | 30,00,000.00 |
| | | | Nallah bunds | 8 | 8 | 5 years | 2,00,000.00 | 16,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 6 | 9 | 5 years | 3,50,000.00 | 21,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 5 | 10 | 5 years | 5,00,000.00 | 25,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Land development | | | | | |
| | | | **Sub Total** | | | | | **1454,30,000.00** |
| **4** | **Mariyang** | Kolung | Farmpond | 7 | 10.5 | 5 years | 1,80,000.00 | 12,60,000.00 |
| | | | Check dams | 7 | 14 | 5 years | 5,00,000.00 | 35,00,000.00 |
| | | | Nallah bunds | 8 | 8 | 5 years | 2,00,000.00 | 16,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 9 | 13.5 | 5 years | 3,50,000.00 | 31,50,000.00 |
| | | | Water conservation | 9 | 10.8 | 5 years | 2,00,000.00 | 18,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 17 | 34 | 5 years | 5,00,000.00 | 85,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Dalbing | Farmpond | 10 | 15 | 5 years | 1,80,000.00 | 18,00,000.00 |
| | | | Check dams | 10 | 20 | 5 years | 5,00,000.00 | 50,00,000.00 |
| | | | Nallah bunds | 14 | 14 | 5 years | 2,00,000.00 | 28,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 13 | 19.5 | 5 years | 3,50,000.00 | 45,50,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 15 | 30 | 5 years | 5,00,000.00 | 75,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Peki-Modi | Farmpond | 2 | 3 | 5 years | 1,80,000.00 | 3,60,000.00 |
| | | | Check dams | 1 | 2 | 5 years | 5,00,000.00 | 5,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Nallah bunds | 2 | 2 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 3 | 4.5 | 5 years | 3,50,000.00 | 10,50,000.00 |
| | | | Water conservation | 1 | 1.2 | 5 years | 2,00,000.00 | 2,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Mariyang hq | Farmpond | 15 | 22.5 | 5 years | 1,80,000.00 | 27,00,000.00 |
| | | | Check dams | 15 | 30 | 5 years | 5,00,000.00 | 75,00,000.00 |
| | | | Nallah bunds | 20 | 20 | 5 years | 2,00,000.00 | 40,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 14 | 21 | 5 years | 3,50,000.00 | 49,00,000.00 |
| | | | Water conservation | 3 | 3.6 | 5 years | 2,00,000.00 | 6,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 5 | 10 | 5 years | 5,00,000.00 | 25,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Damro | Farmpond | 15 | 22.5 | 5 years | 1,80,000.00 | 27,00,000.00 |
| | | | Check dams | 10 | 20 | 5 years | 5,00,000.00 | 50,00,000.00 |
| | | | Nallah bunds | 12 | 12 | 5 years | 2,00,000.00 | 24,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 14 | 21 | 5 years | 3,50,000.00 | 49,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Water conservation | 3 | 3.6 | 5 years | 2,00,000.00 | 6,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 13 | 26 | 5 years | 5,00,000.00 | 65,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Adipasi-sibuk | Farmpond | 15 | 22.5 | 5 years | 1,80,000.00 | 27,00,000.00 |
| | | | Check dams | 10 | 20 | 5 years | 5,00,000.00 | 50,00,000.00 |
| | | | Nallah bunds | 12 | 12 | 5 years | 2,00,000.00 | 24,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 14 | 21 | 5 years | 3,50,000.00 | 49,00,000.00 |
| | | | Water conservation | 4 | 4.8 | 5 years | 2,00,000.00 | 8,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 13 | 26 | 5 years | 5,00,000.00 | 65,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | adipasi-siko bine | Farmpond | 12 | 18 | 5 years | 1,80,000.00 | 21,60,000.00 |
| | | | Check dams | 10 | 20 | 5 years | 5,00,000.00 | 50,00,000.00 |
| | | | Nallah bunds | 10 | 10 | 5 years | 2,00,000.00 | 20,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 11 | 16.5 | 5 years | 3,50,000.00 | 38,50,000.00 |
| | | | Water conservation | 6 | 7.2 | 5 years | 2,00,000.00 | 12,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 17 | 34 | 5 years | 5,00,000.00 | 85,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | **Sub Total** | | | | | **1346,80,000.00** |
| 5 | Tuting | Mosing | Farmpond | 7 | 10.5 | 5 years | 1,80,000.00 | 12,60,000.00 |
| | | | Check dams | 6 | 12 | 5 years | 5,00,000.00 | 30,00,000.00 |
| | | | Nallah bunds | 6 | 6 | 5 years | 2,00,000.00 | 12,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 6 | 9 | 5 years | 3,50,000.00 | 21,00,000.00 |
| | | | Water conservation | 5 | 6 | 5 years | 2,00,000.00 | 10,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 15 | 30 | 5 years | 5,00,000.00 | 75,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Migging | Farmpond | 7 | 10.5 | 5 years | 1,80,000.00 | 12,60,000.00 |
| | | | Check dams | 6 | 12 | 5 years | 5,00,000.00 | 30,00,000.00 |
| | | | Nallah bunds | 10 | 10 | 5 years | 2,00,000.00 | 20,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 10 | 15 | 5 years | 3,50,000.00 | 35,00,000.00 |
| | | | Water conservation | 10 | 12 | 5 years | 2,00,000.00 | 20,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 8 | 16 | 5 years | 5,00,000.00 | 40,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Panggo | Farmpond | 10 | 15 | 5 years | 1,80,000.00 | 18,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Check dams | 9 | 18 | 5 years | 5,00,000.00 | 45,00,000.00 |
| | | | Nallah bunds | 10 | 10 | 5 years | 2,00,000.00 | 20,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 11 | 16.5 | 5 years | 3,50,000.00 | 38,50,000.00 |
| | | | Water conservation | 8 | 9.6 | 5 years | 2,00,000.00 | 16,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 10 | 20 | 5 years | 5,00,000.00 | 50,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Ningging | Farmpond | 10 | 15 | 5 years | 1,80,000.00 | 18,00,000.00 |
| | | | Check dams | 9 | 18 | 5 years | 5,00,000.00 | 45,00,000.00 |
| | | | Nallah bunds | 10 | 10 | 5 years | 2,00,000.00 | 20,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 12 | 18 | 5 years | 3,50,000.00 | 42,00,000.00 |
| | | | Water conservation | 7 | 8.4 | 5 years | 2,00,000.00 | 14,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 12 | 24 | 5 years | 5,00,000.00 | 60,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Tuting | Farmpond | 10 | 15 | 5 years | 1,80,000.00 | 18,00,000.00 |
| | | | Check dams | 11 | 22 | 5 years | 5,00,000.00 | 55,00,000.00 |
| | | | Nallah bunds | 11 | 11 | 5 years | 2,00,000.00 | 22,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Fishery ponds/ cattle pond | 14 | 21 | 5 years | 3,50,000.00 | 49,00,000.00 |
| | | | Water conservation | 6 | 7.2 | 5 years | 2,00,000.00 | 12,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 19 | 38 | 5 years | 5,00,000.00 | 95,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Jido | Farmpond | 12 | 18 | 5 years | 1,80,000.00 | 21,60,000.00 |
| | | | Check dams | 11 | 22 | 5 years | 5,00,000.00 | 55,00,000.00 |
| | | | Nallah bunds | 13 | 13 | 5 years | 2,00,000.00 | 26,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 8 | 12 | 5 years | 3,50,000.00 | 28,00,000.00 |
| | | | Water conservation | 3 | 3.6 | 5 years | 2,00,000.00 | 6,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 7 | 14 | 5 years | 5,00,000.00 | 35,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Pokbir | Farmpond | 4 | 6 | 5 years | 1,80,000.00 | 7,20,000.00 |
| | | | Check dams | 4 | 8 | 5 years | 5,00,000.00 | 20,00,000.00 |
| | | | Nallah bunds | 5 | 5 | 5 years | 2,00,000.00 | 10,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 7 | 10.5 | 5 years | 3,50,000.00 | 24,50,000.00 |
| | | | Water conservation | 3 | 3.6 | 5 years | 2,00,000.00 | 6,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 4 | 8 | 5 years | 5,00,000.00 | 20,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Kugging | Farmpond | 10 | 15 | 5 years | 1,80,000.00 | 18,00,000.00 |
| | | | Check dams | 9 | 18 | 5 years | 5,00,000.00 | 45,00,000.00 |
| | | | Nallah bunds | 11 | 11 | 5 years | 2,00,000.00 | 22,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 15 | 22.5 | 5 years | 3,50,000.00 | 52,50,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 13 | 26 | 5 years | 5,00,000.00 | 65,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Ngamying | Farmpond | 18 | 27 | 5 years | 1,80,000.00 | 32,40,000.00 |
| | | | Check dams | 11 | 22 | 5 years | 5,00,000.00 | 55,00,000.00 |
| | | | Nallah bunds | 15 | 15 | 5 years | 2,00,000.00 | 30,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 10 | 15 | 5 years | 3,50,000.00 | 35,00,000.00 |
| | | | Water conservation | 8 | 9.6 | 5 years | 2,00,000.00 | 16,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 9 | 18 | 5 years | 5,00,000.00 | 45,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Tengo | Farmpond | 2 | 3 | 5 years | 1,80,000.00 | 3,60,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Check dams | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Nallah bunds | 2 | 2 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 2 | 3 | 5 years | 3,50,000.00 | 7,00,000.00 |
| | | | Water conservation | | 0 | 5 years | 2,00,000.00 | - |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Nyering | Farmpond | 3 | 4.5 | 5 years | 1,80,000.00 | 5,40,000.00 |
| | | | Check dams | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Nallah bunds | 2 | 2 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 3 | 4.5 | 5 years | 3,50,000.00 | 10,50,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Gome | Farmpond | 3 | 4.5 | 5 years | 1,80,000.00 | 5,40,000.00 |
| | | | Check dams | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Nallah bunds | 5 | 5 | 5 years | 2,00,000.00 | 10,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Fishery ponds/ cattle pond | 4 | 6 | 5 years | 3,50,000.00 | 14,00,000.00 |
| | | | Water conservation | 1 | 1.2 | 5 years | 2,00,000.00 | 2,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Lali | Farmpond | 3 | 4.5 | 5 years | 1,80,000.00 | 5,40,000.00 |
| | | | Check dams | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Nallah bunds | 5 | 5 | 5 years | 2,00,000.00 | 10,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 2 | 3 | 5 years | 3,50,000.00 | 7,00,000.00 |
| | | | Water conservation | 1 | 1.2 | 5 years | 2,00,000.00 | 2,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 1 | 2 | 5 years | 5,00,000.00 | 5,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Rishing | Farmpond | 9 | 13.5 | 5 years | 1,80,000.00 | 16,20,000.00 |
| | | | Check dams | 5 | 10 | 5 years | 5,00,000.00 | 25,00,000.00 |
| | | | Nallah bunds | 9 | 9 | 5 years | 2,00,000.00 | 18,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 15 | 22.5 | 5 years | 3,50,000.00 | 52,50,000.00 |
| | | | Water conservation | 1 | 1.2 | 5 years | 2,00,000.00 | 2,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 5 | 10 | 5 years | 5,00,000.00 | 25,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Pekong | Farmpond | 6 | 9 | 5 years | 1,80,000.00 | 10,80,000.00 |
| | | | Check dams | 7 | 14 | 5 years | 5,00,000.00 | 35,00,000.00 |
| | | | Nallah bunds | 7 | 7 | 5 years | 2,00,000.00 | 14,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 8 | 12 | 5 years | 3,50,000.00 | 28,00,000.00 |
| | | | Water conservation | 1 | 1.2 | 5 years | 2,00,000.00 | 2,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 7 | 14 | 5 years | 5,00,000.00 | 35,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Angging-Monge | Farmpond | 7 | 10.5 | 5 years | 1,80,000.00 | 12,60,000.00 |
| | | | Check dams | 7 | 14 | 5 years | 5,00,000.00 | 35,00,000.00 |
| | | | Nallah bunds | 9 | 9 | 5 years | 2,00,000.00 | 18,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 10 | 15 | 5 years | 3,50,000.00 | 35,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 8 | 16 | 5 years | 5,00,000.00 | 40,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | Singing | Farmpond | 7 | 10.5 | 5 years | 1,80,000.00 | 12,60,000.00 |
| | | | Check dams | 7 | 14 | 5 years | 5,00,000.00 | 35,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Nallah bunds | 7 | 7 | 5 years | 2,00,000.00 | 14,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 8 | 12 | 5 years | 3,50,000.00 | 28,00,000.00 |
| | | | Water conservation | 3 | 3.6 | 5 years | 2,00,000.00 | 6,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 3 | 6 | 5 years | 5,00,000.00 | 15,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | - |
| | | Likor | Farmpond | 10 | 15 | 5 years | 1,80,000.00 | 18,00,000.00 |
| | | | Check dams | 11 | 22 | 5 years | 5,00,000.00 | 55,00,000.00 |
| | | | Nallah bunds | 11 | 11 | 5 years | 2,00,000.00 | 22,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 10 | 15 | 5 years | 3,50,000.00 | 35,00,000.00 |
| | | | Water conservation | 6 | 7.2 | 5 years | 2,00,000.00 | 12,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 7 | 14 | 5 years | 5,00,000.00 | 35,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Palling | Farmpond | 9 | 13.5 | 5 years | 1,80,000.00 | 16,20,000.00 |
| | | | Check dams | 8 | 16 | 5 years | 5,00,000.00 | 40,00,000.00 |
| | | | Nallah bunds | 8 | 8 | 5 years | 2,00,000.00 | 16,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 10 | 15 | 5 years | 3,50,000.00 | 35,00,000.00 |
| | | | Water conservation | 4 | 4.8 | 5 years | 2,00,000.00 | 8,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 4 | 8 | 5 years | 5,00,000.00 | 20,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | **Sub Total** | | | | | **2635,10,000.00** |
| **6** | **Payindam** | Mayum | Farmpond | 3 | 4.5 | 5 years | 1,80,000.00 | 5,40,000.00 |
| | | | Check dams | 3 | 6 | 5 years | 5,00,000.00 | 15,00,000.00 |
| | | | Nallah bunds | 4 | 4 | 5 years | 2,00,000.00 | 8,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 4 | 6 | 5 years | 3,50,000.00 | 14,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Bishing | Farmpond | 5 | 7.5 | 5 years | 1,80,000.00 | 9,00,000.00 |
| | | | Check dams | 5 | 10 | 5 years | 5,00,000.00 | 25,00,000.00 |
| | | | Nallah bunds | 8 | 8 | 5 years | 2,00,000.00 | 16,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 3 | 4.5 | 5 years | 3,50,000.00 | 10,50,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | - |
| | | Bona | Farmpond | 5 | 7.5 | 5 years | 1,80,000.00 | 9,00,000.00 |
| | | | Check dams | 5 | 10 | 5 years | 5,00,000.00 | 25,00,000.00 |
| | | | Nallah bunds | 6 | 6 | 5 years | 2,00,000.00 | 12,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 3 | 4.5 | 5 years | 3,50,000.00 | 10,50,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Kopu | Farmpond | 4 | 6 | 5 years | 1,80,000.00 | 7,20,000.00 |
| | | | Check dams | 5 | 10 | 5 years | 5,00,000.00 | 25,00,000.00 |
| | | | Nallah bunds | 5 | 5 | 5 years | 2,00,000.00 | 10,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 3 | 4.5 | 5 years | 3,50,000.00 | 10,50,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Gelling | Farmpond | 9 | 13.5 | 5 years | 1,80,000.00 | 16,20,000.00 |
| | | | Check dams | 8 | 16 | 5 years | 5,00,000.00 | 40,00,000.00 |
| | | | Nallah bunds | 9 | 9 | 5 years | 2,00,000.00 | 18,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 10 | 15 | 5 years | 3,50,000.00 | 35,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Norbudling | Farmpond | 8 | 12 | 5 years | 1,80,000.00 | 14,40,000.00 |
| | | | Check dams | 9 | 18 | 5 years | 5,00,000.00 | 45,00,000.00 |
| | | | Nallah bunds | 9 | 9 | 5 years | 2,00,000.00 | 18,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 4 | 6 | 5 years | 3,50,000.00 | 14,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | |
| | | | | | | | | - |
| | | Nyokkong | Farmpond | 4 | 6 | 5 years | 1,80,000.00 | 7,20,000.00 |
| | | | Check dams | 4 | 8 | 5 years | 5,00,000.00 | 20,00,000.00 |
| | | | Nallah bunds | 5 | 5 | 5 years | 2,00,000.00 | 10,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 4 | 6 | 5 years | 3,50,000.00 | 14,00,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Payindam | Farmpond | 4 | 6 | 5 years | 1,80,000.00 | 7,20,000.00 |
| | | | Check dams | 4 | 8 | 5 years | 5,00,000.00 | 20,00,000.00 |
| | | | Nallah bunds | 5 | 5 | 5 years | 2,00,000.00 | 10,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 5 | 7.5 | 5 years | 3,50,000.00 | 17,50,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Yorteng | Farmpond | 3 | 4.5 | 5 years | 1,80,000.00 | 5,40,000.00 |
| | | | Check dams | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Nallah bunds | 2 | 2 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 2 | 3 | 5 years | 3,50,000.00 | 7,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Mankota-Deokota | Farmpond | 4 | 6 | 5 years | 1,80,000.00 | 7,20,000.00 |
| | | | Check dams | 4 | 8 | 5 years | 5,00,000.00 | 20,00,000.00 |
| | | | Nallah bunds | 5 | 5 | 5 years | 2,00,000.00 | 10,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 4 | 6 | 5 years | 3,50,000.00 | 14,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Tashi Gaon | Farmpond | 5 | 7.5 | 5 years | 1,80,000.00 | 9,00,000.00 |
| | | | Check dams | 5 | 10 | 5 years | 5,00,000.00 | 25,00,000.00 |
| | | | Nallah bunds | 6 | 6 | 5 years | 2,00,000.00 | 12,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 8 | 12 | 5 years | 3,50,000.00 | 28,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Sillipu-Simuge | Farmpond | 2 | 3 | 5 years | 1,80,000.00 | 3,60,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Check dams | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Nallah bunds | 2 | 2 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 2 | 3 | 5 years | 3,50,000.00 | 7,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Singa (old & new ) | Farmpond | 6 | 9 | 5 years | 1,80,000.00 | 10,80,000.00 |
| | | | Check dams | 6 | 12 | 5 years | 5,00,000.00 | 30,00,000.00 |
| | | | Nallah bunds | 7 | 7 | 5 years | 2,00,000.00 | 14,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 8 | 12 | 5 years | 3,50,000.00 | 28,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Simuling-Angachi | Farmpond | 2 | 3 | 5 years | 1,80,000.00 | 3,60,000.00 |
| | | | Check dams | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Nallah bunds | 2 | 2 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Percolation tanks | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 2 | 3 | 5 years | 3,50,000.00 | 7,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | | | | | | - |
| | | Silage | Farmpond | 2 | 3 | 5 years | 1,80,000.00 | 3,60,000.00 |
| | | | Check dams | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Nallah bunds | 2 | 2 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Percolation tanks | | | | | |
| | | | Other ground water recharge structure | | | | | |
| | | | Fishery ponds/ cattle pond | 2 | 3 | 5 years | 3,50,000.00 | 7,00,000.00 |
| | | | Water conservation | 2 | 2.4 | 5 years | 2,00,000.00 | 4,00,000.00 |
| | | | Water harvesting | | | | | |
| | | | Creation of irrigation canals & drain | 2 | 4 | 5 years | 5,00,000.00 | 10,00,000.00 |
| | | | Providing infrastructure for irrigation | | | | | |
| | | | Land development | | | | | |
| | | | **Sub Total** | | | | | **1036,80,000.00** |
| | | | | | | | **Grand Total** | **8420,50,000.00** |

## Annexure VI: Financial Pattern and Revised Cost Norms for Cad&Wm Programme for All States during XII Plan

| Sl. No. | Component | Revised Cost Norm (central share) for XII Plan |
|---|---|---|
| 1 | 2 | 3 |
| a). | Survey, Planning and designing of OFD Works | 50% of actual expenditure or Rs.600/ha whichever is less.(Assumed cost norm of Rs.1,200/ha) |
| b). | On-Farm Development (OFD) Works [comprising of construction of field channels and also land leveling/shaping & realignment of field boundaries, where necessary; extension, renovation & modernization and micro irrigation] | |
| | (i) Construction of lined filed channels /underground pipelines. | 50% of actual expenditure or Rs.17,500/- per ha., for construction of lined channels including allied structures like cistern, measuring devices, drop structures, division boxes,turnouts, flumes, culverts, nverted siphons, unlined field channels etc. (Assumed cost is Rs.35,000/- per ha). or 50% of actual expenditure or Rs.22,500/- per ha., for construction of lined channels including allied structures like cistern, measuring devices, drop structures, division boxes, turnouts, flumes, culverts, inverted siphons, unlined field channels etc., underground pipelines, sumps with allied structures with adoption of Micro-irrigation systems in the commands with volumetric measurement of water covering entire command. The proposal supported with cost norms of executing project can be approved at the level of Minister (WR, RD&GR). (Assumed cost is Rs.45, 000/- per ha). |
| | ii) Mechanised land leveling in the hilly/difficult areas, laser land leveling in the selected areas | 50% of actual expenditure or Rs.25, 000/- per ha whichever is less. (Assumed cost is Rs.50, 000/- per ha). |

| | | |
|---|---|---|
| | iii) Micro-irrigation in at least 10% area of CCA of each project or 40 hectares, whichever is maximum? Cost of Infrastructure (grid power/solar power & pump,HDPE pipelines, sump etc) : | Rs.25000/ha or 50% of actual expenditure whichever is less. (Estimated Cost of infrastructure is Rs.50, 000/- per ha)[1]. Construction of infrastructure for micro-irrigation (MI) is covered as a replacement of OFD works. |
| c). | Construction of Field, intermediate and link drains. | 50% of actual expenditure or Rs.3, 000/ha whichever is less. (cost norm Rs.6,000/ha), which may be explored for convergence with the MGNREGA, in case of earth works |
| d). | Correction of system deficiencies in systems of capacity up to 4.25 cumec (150 cusec) | 50% of actual expenditure or Rs.4,000/ha whichever is less as central assistance (Cost norm is Rs.8,000/- per ha), which may be explored for convergence with the MGNREGA, in case of earth works |
| e). | Reclamation of water logged areas<br>(i) Surface drainage[2]<br>(ii) Sub-surface drainage | 50% of actual expenditure or Rs.10, 000/ ha whichever is less (assumed cost is Rs.20, 000/- per ha), which may be explored for convergence with the MGNREGA, in case of earth works. 50% of actual expenditure or Rs.25, 000/- ha. Whichever is less (assumed cost is Rs.50, 000/- per ha.), which may be explored for convergence with the MGNREGA, in case of earth works. |

Cost may vary according to site & soil conditions, type of crops and design based on requirement. Formation of WUAs would be mandatory before implementation of MI. A price control mechanism would be decided by WUAs, Central & State Governments. Use of ground water would also be applicable in implementation of MI/minor irrigation projects. Farmers would bear the cost of sprinkler/drip sets/ laterals or avail the subsidies available in extant scheme under Ministry of Agriculture.

[2] Surface drainage includes reclamation through Bio-drainage as well.

| | | |
|---|---|---|
| f). | Onetime grant to registered / elected WUAs<br>(i) Functional grant (Rs. per ha.)<br>(ii) Infrastructure grant (Rs. Per WUA) | Rs.1, 200/- per ha (Rs.540:540:120[3] among Centre: State: farmers). Rs.2.25 lakh or 75% of actual expenditure, whichever is less. (Assumed total cost is Rs.3 lakh), (till new funding pattern is approved). |
| g). | Software activities namely training, monitoring, evaluation, demonstration (including on micro irrigation, mechanized/laser land leveling, water use efficiency) and adaptive trials[4]. | 75% central funding. 25% has to be borne by States, (till new funding pattern is approved). |

| | | |
|---|---|---|
| h). | One time financial assistance to 13 WALMIs/IMTIs for strengthening of infrastructure | 75% central funding and 25% to be borne by States, (till new funding pattern is approved). Limited financial assistance to each institute will be provided subject implementation of water sector reforms by the respective States, against the proposal given by the WALMIs/ IMTIs for implementation of prescribed components of the CAD&WM programme. |
| i). | Establishment Cost [limited to 10% of the total central assistance for the items at Sl. No. (b), (c), (d) and (e)] | 50% of the actual administrative expenses (limited to 10% of the total central assistance for the items at Sl. No. (b), (c), (d) and (e)). |

[3]A minimum of Rs.120/- per ha is to be realized from the beneficiary farmers, in case of one time functional grant to registered WUAs.

[4]In each State, one or two WUAs to take up the use of smart card in distribution of water ensuring pre-payment of water charge and guarantee of adequate water entitlement in their operational area on pilot basis under adaptive trial.

No.G-11012/3/2013-CADWM
Government of India
Ministry of Water Resources, River Development and Ganga Rejuvenation
SP WING (SP-III)
***

438, Krishi Bhawan
New Delhi, dated 17th September, 2015

To
The Principal Secretaries / Secretaries-in-charge of
CAD&WM Programme (as per list enclosed)

**Subject: Revised Interim Guidelines of Command Area Development and Water Management (CAD&WM) Programme for the XII Plan.**

Sir,

The Cabinet Committee on Economic Affairs has approved the Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) on 1.7.2015 and its Operational Guidelines have already been circulated by Ministry of Agriculture & Farmers Welfare, Government of India on 30th July, 2015. CAD&WM programme is to be implemented under PMKSY (Har Khet Ko Pani). Revised Interim Guidelines for implementation of CADWM programme during XII Plan duly approved by the competent authority on 10th September, 2015 are enclosed.

Yours faithfully,

*Encl: As above.*

(J.R. BORO)
Senior Joint Commissioner (SP-III)
Tel/Fax: 23383090

Copy to:
1) Commissioners / Administrators of CADAs (as per list enclosed).
2) Directors of all WALMIs /IMTIs (as per list enclosed).

Copy also to:-
1) Adviser to the Hon'ble Minister (WR,RD&GR), New Delhi
2) PS to the Hon'ble Minister (WR,RD&GR), New Delhi
3) PS to the Hon'ble Minister of State (WR,RD&GR), New Delhi
4) Sr.PPS to the Secretary (WR,RD&GR), New Delhi.
5) PS to Special Secretary (WR,RD&GR), New Delhi.
6) Chairman, Central Water Commission, Sewa Bhawan, New Delhi
7) Joint Secretary & Financial Adviser (WR,RD&GR), New Delhi
8) Joint Secretary (A&GW), MoWR,RD&GR, New Delhi
9) Joint Secretary (PP), MoWR,RD&GR, New Delhi
10) Chairman, Central Ground Water Board, Faridabad
11) Adviser (WR), NITI Aayog, New Delhi.
12) CE(PMO), CWC, Sewa Bhawan, R.K.Puram, New Delhi
13) CEs of field organizations of CWC (as per list enclosed)
14) Directors (Mon & Appraisal) of field offices of CWC (as per list enclosed).
15) Director (e-Governance), MoWR,RD&GR for uploading in website of the Ministry.