



DISTRICT IRRIGATION PLAN
2015-20
KARBI ANGLONG, ASSAM



District Irrigation Plan, 2015-2020 Karbi Anglong, Assam



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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 "Gol introduced 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 involved 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 on request, was to 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 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) were:

- 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 term¹. Further, the all India water balance estimates does not reflect the variations in

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

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 study² on the demand for 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 resources³ 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.
- 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.

² Amarasinghe, U.A., Shah T., Turrall, 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.

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

- 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 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, 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 implemented as part of Rashtriya Krishi Vikas Yojana (RKVY) with state agriculture department acting as the State Nodal Agency. 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 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 overarching 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

Methodology

During the course of preparation of District Irrigation Plan (DIP) the team visited Karbi Anglong 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) GIS maps of the area's/clusters were studied to understand the land morphology, topography of the district.
- e) 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 and district level for identifying the key issues and focus areas of the region.
- f) Discussion with NABARD officer of the district was also held during the visit.

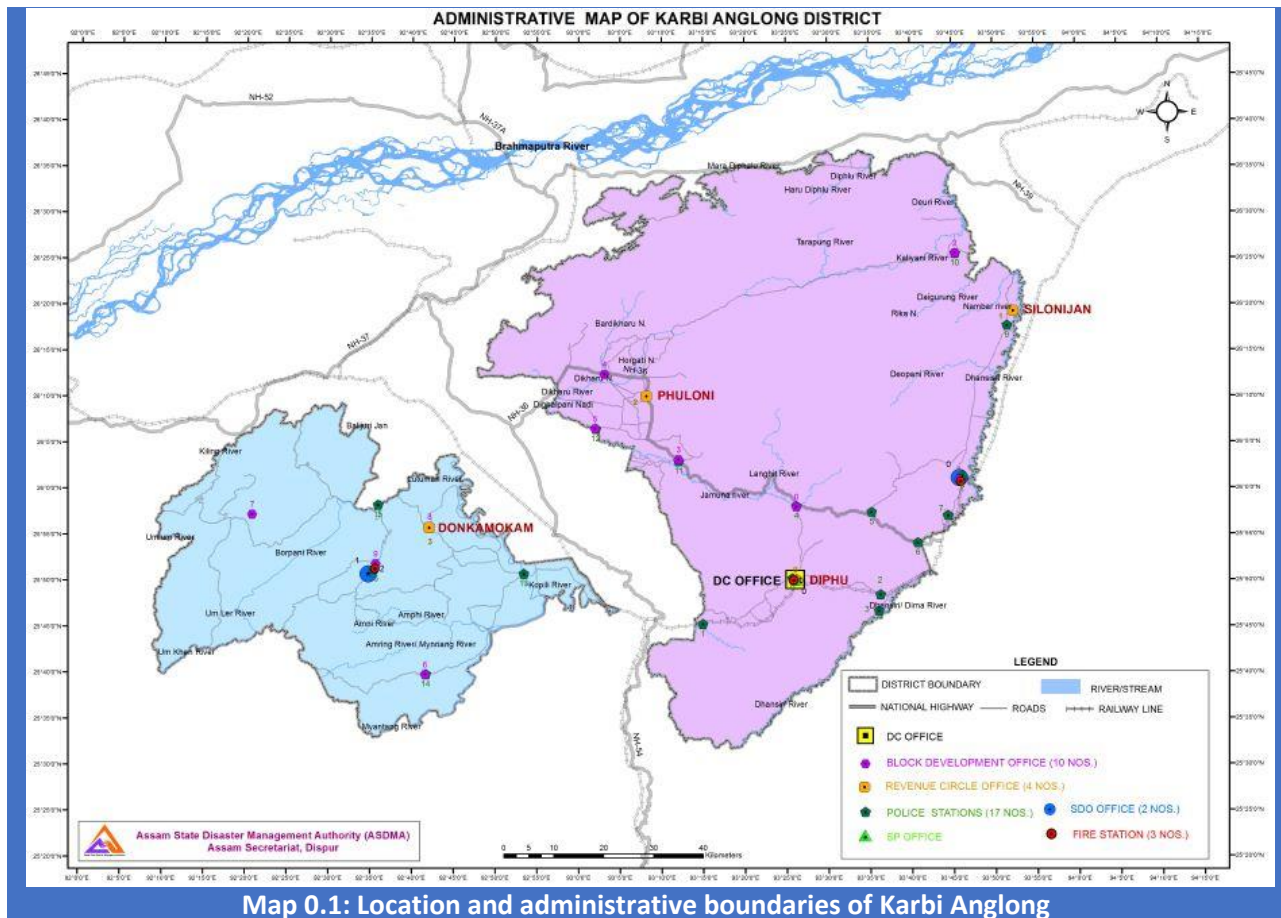
On the basis of detailed discussion and analysis of data, the team arrived at the projections of various components of PMKSY and Department wise plan for four years from 2016-17 to 2019-20 as detailed in the plan.

CHAPTER 1

General Information of the District

1.1 District Profile

The district of Karbi Anglong, blended with hills and plains, is situated in the central part of Assam. The district is bounded by Nagaon and Golaghat district in the North, Meghalaya and North Cachar Hills in the South, Golaghat district and the State of Nagaland in its East and to the West, it is bounded by the State of Meghalaya and Nagaon district. The total geographical area of the district is 10,434 sq.km, which accounts for about 13.53% of the state's total geographical area of 78,438 sq.km. It is the largest district of the state comprising 2633 villages. The district with dense tropical forest covered hills and plains is situated between 25°33' and 26°35' North Latitudes and 92°10' and 93°50' East Longitudes. The district is mostly rugged and hilly being part of an Archean plateau. The plateau in Karbi Anglong comprises of two parts,



viz., the East and the West Karbi plateaus.

Table 0.1: District Profile

Name of the District	District Code	Latitude	Longitude
Karbi Anglong	314	92°10' to 93°50'E	25°33' to 26°35' N

Source: Census of India, Karbi Anglong

1.1.1 History

A new district named as the United Mikir and North Cachar Hills District emerged on the 17th November 1951 with some parts of the districts of Sivasagar (now Golaghat), Nagaon, Cachar & United Khasi and Jaintia Hills district of present Meghalaya for all round development of the tribal folk of the Central Assam. This district was bifurcated into two separate districts as "Mikir Hills" and North Cachar Hills in the year 1970. The Mikir Hill district got rechristened as "Karbi Anglong District" w.e.f 14th October 1976 vide Govt. Thus Karbi Anglong came into being as a full-fledged separate district in the map of Assam with its Head quarter at Diphu. The district enjoys autonomy under the provision of Sixth Schedule of the Indian Constitution. It is the largest district of Assam in terms of area.

The name of the district 'Karbi Anglong' is believed to have been derived from the word 'Karbi' drawn from the term 'Thakarkibi', a sacred festival performed by the people to worship God during marriage and harvesting etc. Thus "Kar" from Thakar and "Bi" from kibi together formed Karbi. The word Anglong means high and standing hills. Thus the name of district is known as "Karbi Anglong".

The Karbis are a mixture of Austrics and Bodo tribes found originally from the hilly region between Sivasagar district and the State of Nagaland. But in the opinion of an English writer Colonel Dalton, they were original settlers of North Cachar Hills. The present Karbi Anglong area was under the control of Kachari king. They were Varman, the Mecha, Pala dynasties who left considerable evidence of Hindu cultures through temples, images and idols. These Kachari rulers subjugated the Karbis by manifold oppressions and as a result considerable part of the Karbis had to migrate to Jaintia hill and settled in Ronghang near Lanka. There too the fate of the Karbis remained same and could not live peacefully and compelled to move to Dimarua, Beltola and Rani in the district of Kamrup and some of them remained in the hills. However during the reign of Jayadhaj Singha few families were settled at Tihulia village in Nagaon who were loyal to Ahom King and paid royal tax. Later during the period of Ahom King Rajeswar Singha, the Karbis refused to pay the royal tax and the Ahom royal chief of Raha killed the Karbi chief who wanted to free the Karbis from bondage and subjugation. In 1765 AD the Ahom King annihilated all the hostile activities of the Karbis and put under control again and subjugated to pay royal taxes. But sorrows and miseries never left these Karbi people as they had to pay taxes to the neighbouring Cachar and Jaintia kings. Further one section under Tularom Senapoty at Mudanga was harassed by Naga chief while a section could retain their position without allegiance to Nagachief. Thus the medieval period of the Karbis reflects a precarious and miserable plight for them in Assam history.

Then after the down fall of Ahom, Kachari, Jaintia and many other ruling tribes, the Karbis were also directly under the subjugation of the British by "Yandaboo Agreement" in 1826 AD. The British

administration also introduced land settlement Act in 1837-38 by levying tax and abolished the tribute in kind. This British administration continued till the day of India's independence on 15th August 1947.

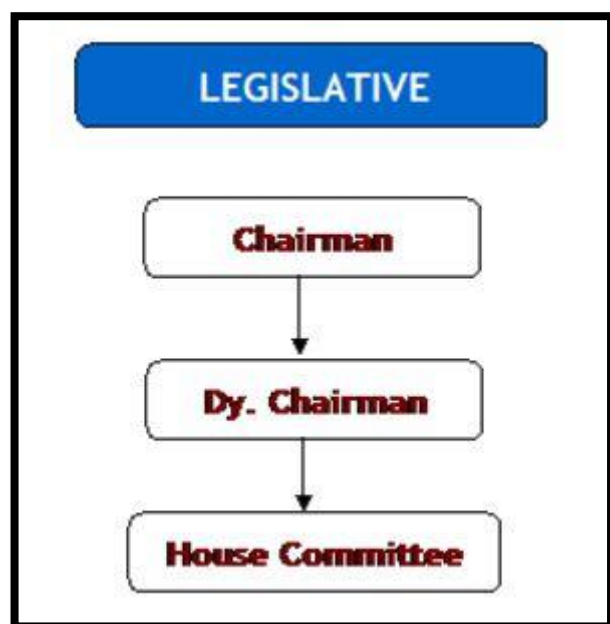
1.1.2 Administrative setup of Karbi Anglong

The Deputy Commissioner of the district is the overall in charge of the district. He also acts as the collector in case of Revenue matters, as a District Magistrate in case of maintenance of Law and order and General Administration, as a District Election officer in case of conduct of Election, as a Principal Census Officer while conducting Census and so on. A number of officers like Additional Deputy Commissioners, Sub-divisional officers, Extra Assistant Commissioners and others assist the Deputy Commissioner in looking after the administration of the district. However, the District Council of this district has carried various works of different departments. A detail account of District Council is given below in a separate heading. For administrative purpose, the district is divided into 4 Revenue Circles which cover 2,921 villages. The name of Revenue Circles are Donka, Diphu, Phuloni, Silonijan. The district possesses 11 Community Development Blocks. The district covers an area of 10,434 Sq.Km (Rural: 10396.55 Sq.Km. and Urban: 37.45 Sq.Km.) out of the State total areas of 78,438 Sq. Km. The rank of the district in term of area is 1st among the district of Assam. The district has 7 towns. Out of which, 6 are TCs and one town is CT.

Table 0.2: Administrative set-up of Karbi Anglong

No of Sub-Division	3 Diphu, Bokajan and Hamren.
No. of Tehsils	4 Diphu, Phuloni, Silonijan and Donkamokam
No. of Development Blocks	11 Lumbajong, Howraghat, Samelangso, Langsomepi, Bokajan, Nilip, Rongmongwe, Rongkhang, Socheng, Chinthong, Amri
No. of Villages	2928

1.1.3 Autonomous Hill District Council



Under the 6th Schedule of Constitution of India, the Mikir Hills now Karbi Anglong district aspires the status of an autonomous hills district under para-1 having independent district council under para-2 with the headquarters at Diphu. And under para-20 of the same schedule, Karbi Anglong is declared as a tribal area which came into being on 23rd June 1952 while Late Bishnu Ram Medhi was the Chief Minister of Assam at that time. The Mikir Hills District Council consists of 26 members. The District Council has both executive and legislative power. Thus two autonomous Hills district formed for United Mikir and Cachar Hills have been brought under one single administration for the purpose of general administration till bifurcation on 1970. And after that Mikir Hills district renamed as Karbi Anglong on

1976.

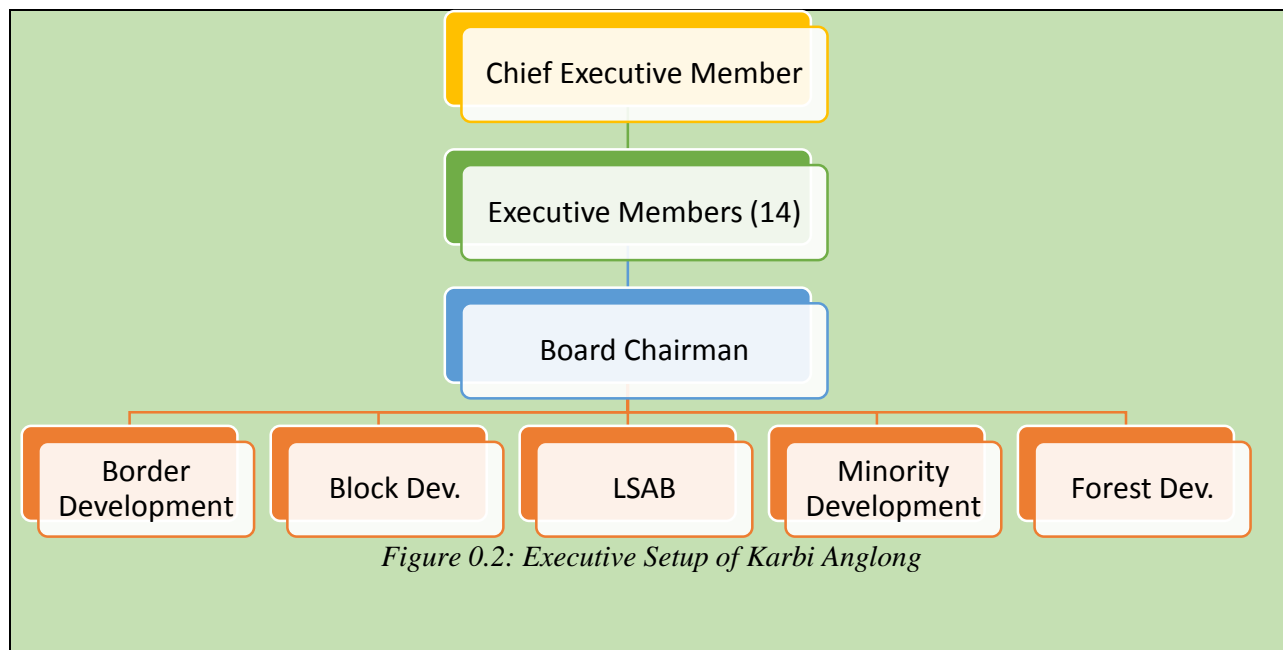


Figure 0.2: Executive Setup of Karbi Anglong

1.2 Demography

Karbi Anglong, being the largest district of Assam ranks 16th in respect of population among the 27 districts of Assam as per 2011 Census. In regard to area, Karbi Anglong is the largest district in Assam and 56th largest in India. As per 2001 Census, the total population of the district was 8,13,311 comprising of 4,22,250 male and 3,91,061 female population. Out of the total population of 8,13,311 the number of persons resided in the rural areas was 7,21,381 whereas 91,930 in urban areas. As per 2011 Census, the total population of the district increased to 9,56,313 (comprising of 4,90,167 male and 4,66,146 female population) of which 8,43,347 (i.e., 88.2%) resides in rural areas and 1,14,122 (i.e., 11.8%) in urban areas. The average density of population per sq.km was 78 as per 2001 Census which has increased to 93 person per sq.km during 2011 Census.

The population of the district is predominantly tribal and Karbi is the major tribe. The other ethnic groups of the district are Bodos, Kukis, Mizos, Dimasas, Hmars, Garos, Rengma, Nagas, Tiwas, Man (Tai speaking). Besides, a large number of non-tribals like Bodo, Bengalis, Biharis, and Nepalese etc. also live together in this hill region. Indigenous Assamese are conspicuous in Howraghat and Bokajan Blocks.

The sex ratio of the Karbi Anglog district seems to be improved as per 2011 Census as compared to 2001 Census. The sex ratio of the Karbi Anglong district as per 2001 Census was 926 females per 1000 males whereas it is 956 females per 1000 males as per 2011 Census (Provisional), even higher than the state i.e., Assam sex ratio of 954 females per 1000 males and the country's sex ratio of 940 females per 1000 males.

Table 0.3: Demographic features of Karbi Anglong

Head	Unit	Census 2001		Census 2011	
		Karbi Anglong	Assam	Karbi Anglong	Assam
Population	Number of Persons	8,13,311	2,66,55,528	9,65,280	3,11,69,272
Decadal Growth	Percentage	22.57	18.85	18.69	16.93
Density	Per Sq.Km	78	340	93	397
Sex Ratio	Female per 1000 mal	926	932	956	954
Literacy	Percent	57.7	63.25	73.52	73.18
Urban Population	Percent	11.3	12.9	11.82	14
Rural Population	Percent	88.7	87.1	88.18	86
S.C. Population	Percent	3.63	6.85	N/A	N/A
S.T. Population	Percent	55.69	12.41	N/A	N/A

Source: Census of India, 2011

Demographic details in the prescribed format (Table 1.2) of PMKSY

Block	Population				SC		ST		General		Total	
	M	F	CH	NHH	NM	NHH	NM	NHH	NM	NHH	NM	
Rural												
Amri	23027	22546	8556	356	1854	6016	34776	1758	8943	8130	45573	
Chinthong	24080	22473	9007	169	853	6336	36703	1695	8997	8200	46553	
Rongkhang	81054	76981	26155	1333	7936	14492	83843	10905	66256	26730	158035	
Socheng	14002	13332	5775	11	108	4573	24353	567	2873	5151	27334	
Lumbajong	48847	45067	16416	291	1491	11762	59957	6377	32466	18430	93914	
Bokajan	73610	68799	22051	302	1486	9932	54436	17465	86487	27699	142409	
Howraghat	64733	62940	17925	4302	22109	8676	48630	10256	56934	23234	127673	
Samelangso	32189	31680	9225	66	429	7726	44692	3602	18748	11394	63869	
Langsomepi	27918	27239	8194	554	3064	6050	34131	3454	17962	10058	55157	
Rongmongwe	16694	16079	6001	83	421	4752	26391	1283	5961	6118	32773	
Nilip	25770	24287	9102	25	185	7584	43944	1204	5928	8813	50057	
Urban												
Hamren (TC)	4420	4327	1385	31	178	1307	6836	460	1733	1798	8747	
Donkamokam (TC)	4604	4512	1257	97	509	1176	7007	327	1600	1600	9116	
Diphu (TC)	31898	29899	6796	527	2310	5687	28409	7174	31078	13388	61797	
Bokajan (TC)	10506	9371	2213	209	965	253	1305	3861	17607	4323	19877	
L N Bosti (CT)	1310	1198	350	31	142	38	250	447	2116	516	2508	
Howraghat (TC)	2733	2710	596	125	668	124	610	828	4165	1077	5443	
Dokmoka (TC)	2772	2706	677	48	253	419	2465	520	2760	987	5478	
Total	490167	466146	151681	8560	44961	96903	538738	72183	372614	177646	956313	

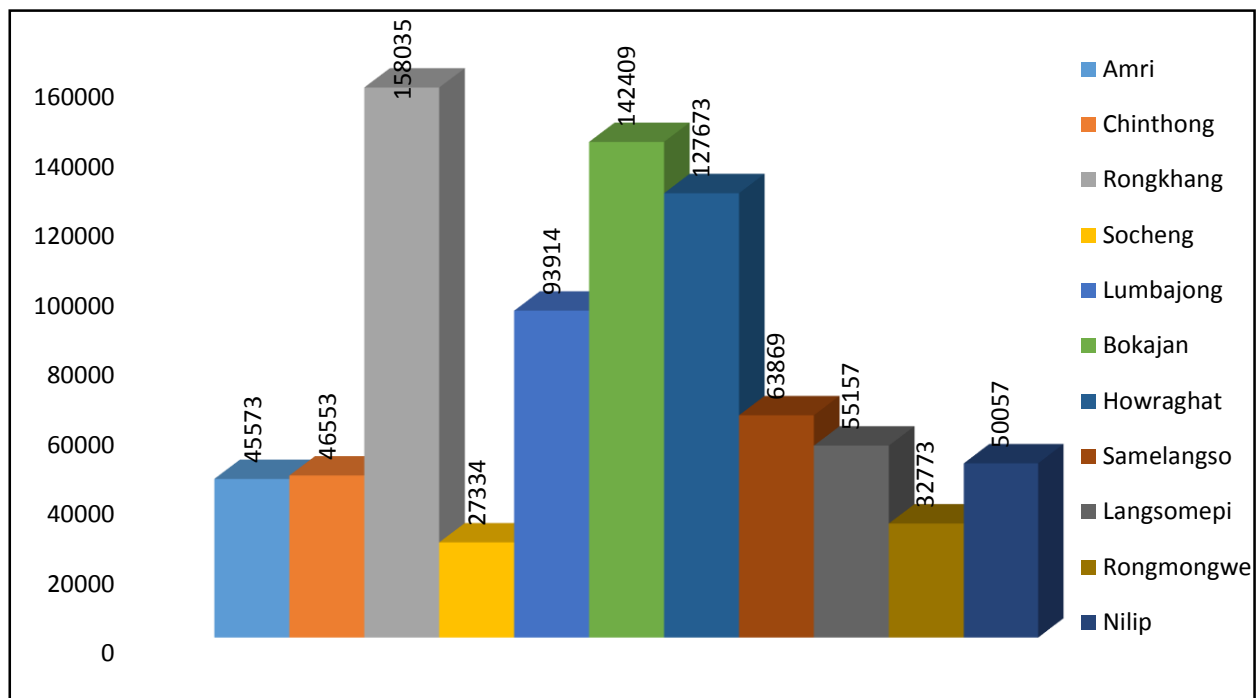


Figure 0.3: Block wise population of Karbi Anglong District

1.3 Biomass and Livestock

Animal rearing plays a vital role in the day to day economic and social life of the tribal people of the region. Most of the people rear pigs, buffaloes, goats as well as fowls as their source of income and for self-consumption of animal protein, creating self-employment avenues. Moreover, availability of good fodder throughout the year makes the rearing of livestock easy in this region. Damp climate, plenty of open space with natural grasses, marshy lands, perennial rivers, great demand for meat and social functions etc. are the chief factors creating congenial atmosphere for rearing of buffaloes, pigs, fowls etc. in this region. There are 21 numbers of veterinary dispensaries, 42 numbers of veterinary sub-centers and artificial insemination sub-centers and 8 numbers of livestock and poultry farms.

Dairy farming: Dairy farming occupies an important position as an income generating factor in the eye of tribal people of the region. There is an Intensive Cattle Development Project (ICDP) to upgrade the local Non-descriptive cattle population and Cattle Demonstration Farm at Manja. A Buffalo Breeding Farm is located at Silonijan. The Regional Insemination Centre at Sarihajan near Bokajan along with 20 numbers of Artificial Insemination (A.I.) Sub-centres established by the Animal Husbandry and Veterinary Department facilitates breeding of improved quality of cattles. As per 2003 Livestock Census, Cattle population in the district is 3,78,106 (including indigenous cattle – 3,56,721) and that of Buffalo is 50,342 respectively.

Poultry: Poultry is largely confined to backyard rearing due to low percentage of improved hybrid stock. There is one breeding (broiler) farm at Khatkhatiar Bokajan, two government poultry farms at Diphu and Hamren, one government demonstration farm at Kheroni and one government duck breeding farm at Phuloni. There is only one government feed mixing plant at Diphu and not even a single in the private sector. As per Livestock Census, 2003, the total number of fowls and ducks in the district is 7,23,456 and 1,00,234 respectively.

Sheep and Goatery: Small backyard goatery units are generally maintained by most of the tribal as well as non-tribal people in the plain areas of the district for sustenance or as a supplementary occupation. The famous Assam Hill Goat, a good variety is available only in this district. There are two sheep and goat breeding farm at Diphu and Khanduli (Hamren sub-division). As per 2003 Livestock Census, the total number of sheep and goat in the district was 1,432 and 1,50,398 respectively.

Piggery: Pig farming is the most popular and traditional activity of the tribal people of this region, in particular. The district is self-sufficient in production of both cross bred and local piglets. There are two government breeding farms at Diphu and Dokamokam and one Govt. Feed Mixing plant at Diphu. As per 2003 Livestock Census, the total number of pigs in the district is 1, 26,342.

Table 0.4: Veterinary Facilities Available in Karbi Anglong District (2005-06)

Sl.	Type of Veterinary Facilities	Total Number
1	Hospitals	-
2	Dispensary	6
3	Mobile Dispensary	1
4	Block Dispensary	8
5	I.C.D.P	7
6	Livestock Farm	2
7	Poultry and Duck Farm	3
8	Goat Farm	1
9	Pig Farm	2
10	Sheep Breeding Farm	2
11	Bull Rearing Farm	1
12	Cattle Demonstration Farm	1
13	Gosadan	-

Fishery Development: The hill district, Karbi Anglong is not a major producer of fish. It is generally practiced by the people residing at the foothill areas of the region. The varieties of fish available in the district are Fry (Puthi), Shoal (Magur), Shrimp (Singi), Climbing Fish (Kawoi), Mud Fish, Rohit, Hilsa, Eel and Hag fish. Dighalpani, Arikati Beel, Batisa Beel, Lutumari Beel, Barganga Beel as well as rivers like Dikharu, Jamuna, Kopili and Langpi are the most important natural fisheries of Karbi Anglong. The water resources available for development of pisciculture in Karbi Anglong district has been shown below

Table 0.5: Types of Water Resources for Fishery in Karbi Anglong District

Sl.	Types of Water Resources	Name of Sub-Divisions			Total
		Diphu	Bokajan	Hamren	
1	Unregistered Beels	17	-	0	34
2	Channels & Rivers	2	17	7	14
3	Ponds & Tanks (Private)	2400	500	100	3000
4	Fish Farms (Government)	5	2	5	12
5	Fish Farms (Private)	30	118	3	51

Livestock details in the prescribed format (Table 1.3) of PMKSY

Name of the Blocks	Small Animals					Large Animal		
	Poultry (No.)	Ducks (No.)	Pigs (Nos.)	Goats (Nos.)	Sheep (Nos.)	Indigenous Cow (Nos.)	Hybrid Cow (Nos.)	In Descriptive Buffalo (Nos.)
Rongkhang	13,642	456	5,622	5,134	345	9,752	377	1021
Socheng	1748		3178	2712	39	1899	23	56
Amri	2122	2055	4567	5379	122	3194	102	2050
Langsomepi	12157	705	7576	8745	116	7639	4481	
Samelangso	10207	415	5317	4361	54	3617	1565	
Nilip	14241	1064	9722	12739	154	11542	7098	117
Rongmongwe	5548		6712	345	232	3243	202	
Chinthong	6954	484	4394	5810	34	3693	1819	649

1.4 Agro-Ecology, Climate, Hydrology and Topography

Due to the wide variation in topography, entire district experiences different climate in different part. During summer the atmosphere becomes sultry although the temperature ranges 22-34degree Celsius. The winter commences from October and continues till February and temperature ranges from 9-25degree Celsius. The monsoon starts generally from mid-May and continues till September. Though the average rainfall in the district is 1147 mm but it is not uniformly distributed, therefore, there is a wide range of disparity in distribution of rainfall from place to place. Kheroni & Amreng areas of Hamren sub-division and Dhansiri area of Diphu Sub-Division are known as rain shadow area. The area between Kheroni to Dhansiri receives less than 1000 mm rainfall.

The altitude of the district varies from 300 meter in the North & 1600 meters in the South while that of the valley ranges from 75-150 meters. The Hamren Sub-Division is geographically separated from the rest of the Karbi Anglong and surrounded by N. C. Hill district of state in South –East, Nagaon & Morigaon districts in North & North –West & by Meghalaya in West sides.

Agro climatic details in the prescribed format (Table 1.4) of PMKSY

Block	Agro Ecological Zone Type	Type of Terrain	Block Area (Ha)	Normal Annual Rainfall (mm)	Average Monthly Rainfall (mm)	No of Rainy Days	Average Weekly Temperature (°C)								
							Period								
							Summer (Apr-May)			Winter (Oct- Mar)			Rainy (Jun-Sep)		
							Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
Rongkhang	Hills Zone AES-1	Hilly	61941	1316.6	145.8475	98-100	21.4	31.65	26.525	13.216	27.3	20.258	25.25	32.225	28.7375
Amri	Hill Zone	Hilly Terrain	64416		99.57	88.96	112.6	59.8	51.2	13.8	26.50	20.15	100.15	130.7	28.95
Langsomepi			121745	1222.82	101.28	8.35	21.75	31.95	26.85	13.61	27.50	20.55	25.35	32.33	28.84
Samelangso			148942	1101.65	101.65	96.38	22.8 c	32.6 c	27.7 c	8.5	29.3	18.9	24.6	32.9	28.75
Nilip	Hill	Hilly	104561	1223.34	101.94	9.28	21.21	31.66	26.44	13.24	27.30	20.27	25.28	32.23	28.75
Howraghat			62460	1223	101.91	8.25	21.2	31.65	26.42	13.21	27.30	20.26	25.25	32.23	28.74
Rongmongwe	Hill	Hilly	97321	1223.34	101.94	8.28	21.21	31.66	26.44	13.24	27.3	20.27	25.28	32.23	28.75
Chinthong	AES-1	Hilly		1316.6	145.85	98-100	21.4	31.65	26.52	13.21	27.3	20.25	25.25	32.22	28.73

Block	Potential Evapo-Transpiration (PET)				Elevation		
	Period			Cumulative total	Min	Max	Mean
	Summer	Winter	Rainy				
Rongkhang	85.32	50.08	85.32	836.4	154 mtr	232 mtr	193 mtr
Amri							
Langsomepi							
Samelangso							
Nilip							
Howraghat							
Rongmongwe							
Chinthong	85.32	50.08	85.32	836.4	232 mtr	154 mtr	193 mtr

1.5 Soil Profile

The district has a tropical climate in general and specifically, the entire district experiences different climate in different part due to wide variation in the topography. The winter commences from October and continues till February. The monsoon starts generally from mid-May & continues till September. Rainfall is not uniform throughout the district. Though the average rainfall in the district is 1147 mm but it is not uniform throughout the district, therefore, there is a wide range of disparity in distribution of rainfall from place to place. Kheroni & Amreng areas of Hamren sub-division and Dhansiri area of Diphu Sub-Division are known as rain shadow area. The area between Kheroni to Dhansiri receives less than 1000 mm. rainfall. During summer, the atmosphere becomes sultry.

Spread of AES in the district

The Soils of the District exhibits differences in their nature and development due to varieties in parent materials. The district has dark surface horizon rich in organic matter, which decreases abruptly with depth. In some plain valley particularly in Hawaipur & Bokajan & Delowjan area, clay film & calcium deposit are found, which developed the limestone, high pH & clay content. The textural classification of soils of the district is mainly sandy loam, clay loam & sandy. Out of the total, 58.30% soils are sandy loam 22.54% clay loam and 19.16% sandy soil, however, in Socheng block only sandy and sandy loam and in Bokajan block only clay and sandy loam soils are existing where as in other nine blocks all three types of soils are existing.

Out of the Six Agro- Climatic Zones of the State, the Karbi Anglong district comes under hills Zone with a geographical area of 10,43,396 hectares that is 77% of the total geographical area of the zone. On the basis of topography: altitude, rainfall, soil type & existing farming practices etc. the district is divided into four Agro- Ecological situations (AES) by the district Core Team. Out of the Total geographical area of the district, 20.11% area comes under Medium Hills Medium Rainfall (AES –I), 21.85% under Medium Hills Low rainfall (AES –II); 30.54 % under Low Hills Medium Rainfall (AES –III); & 27.50% area comes under Foot Hills & Plains Medium to Low rainfall (AES –IV).

Name of AES	Geographical area		Name of Blocks fall in the AES	Area of block fall in AES	
	ha.	%		ha	%
AES-I	209816	20.11	1. Socheng 2. Chinthong 3. Amri 4. Rongkhang	65720 63514 53947 26635	100 100 83 43
			Sub total	209816	
AES –II	227997	21.85	1. Rongmongwa 2. Nilip 3. Samelangso 4. Bokajan	82722 84694 50641 9940	85 81 34 15
			Sub total	227997	
AES-III	318646	30.54	1. Lumbajong 2. Langsomepi 3. Samelangso	185931 81548 51167	100 67 34
			Sub total	318646	
AES–IV	286937	27.50	1. Howraghat	62460	100

			2. Rongkhang	35306	57
			3. Langsomepi	40197	33
			4. Nilip	19867	19
			5. Samelangso	47660	32
			6. Bokajan	56325	85
			7. Amri	11049	17
			8. Rongmongwa	14599	15
			Sub total	287463	

Agro-ecological situation in Karbi Anglong

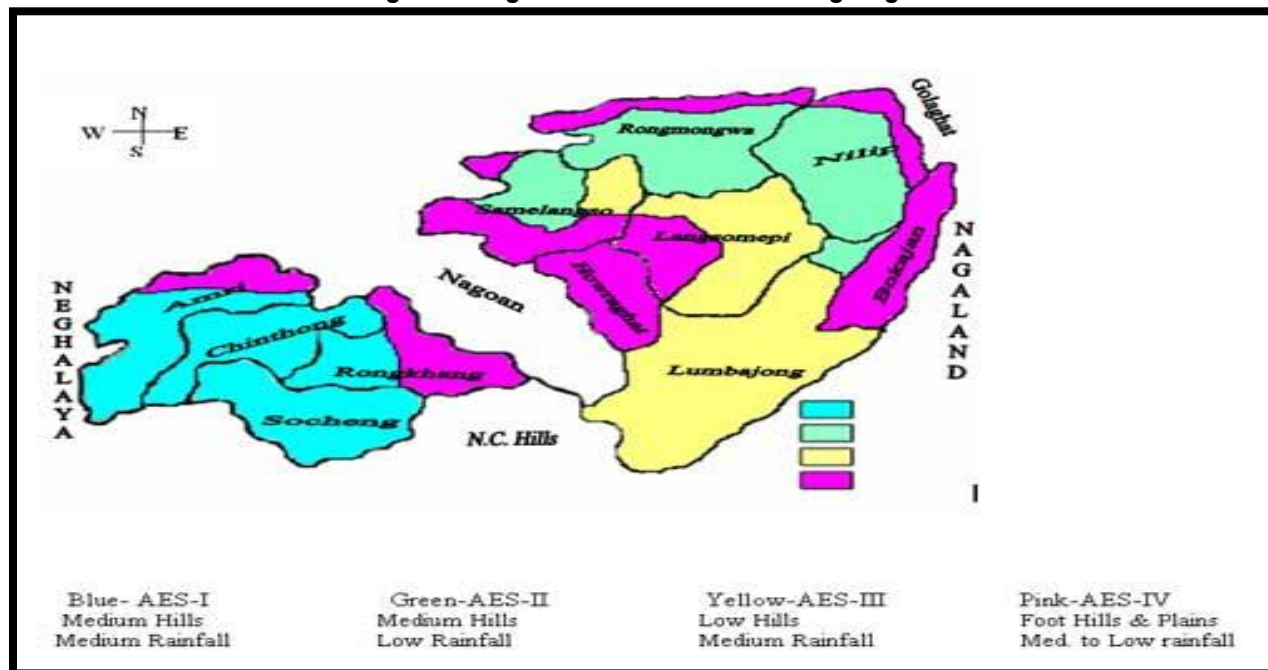


Table 0.6: Soil Profile of the district

Block	Soil Type			Land Slope			
	Sr. No	Major Soil Classes	Area (Ha)	0-3% (Ha)	3-8% (ha)	8-25% (ha)	>25% (ha)
Rongkhang	1	Clay Loam	18582	30%			
	2	Sandy	6194	10%			
	3	Sandy Loam	37165	60%			
Samelangso	1	Clay Loam	37236	25%			
	2	Sandy	14894	10%			
	3	Sandy Loam	96812	65%			
Chinthong	1	Clay Loam	6351	10%			
	2	Sandy	22230	35%			
	3	Sandy Loam	34933	55%			
Lumbajong			914.42	914.42			
	typic Dystrochepts		529.53	529.53			
			777.02	777.02			
			1301.47		1301.47		
			526.33	526.33			
			470.07		470.07		
			1198.71	1198.71			
		508.93		508.93			
Bokajan			16233 Ha	4512	6769	3318	1634

Samelangso			17947 Ha	4481	10456	2017	993
Howraghat			15940 Ha	3035	12138	129	638
Lumbajong			22074 Ha	10466	4485	4772	2351
Rongmongve			12864 Ha	1888	7553	2293	1130
Langsomepi			9628 Ha	1369	5475	1865	919

The process of soil formation in Karbi Anglong is generally slow on a foundation of Pre-Cambrian gneissic rock. The soil cover is shallow over the hill slopes with a thin surface layer of humus and is liable to erosion. Usually these soils are red loam. Over the lower slopes with tertiary formations the soil cover is comparatively thicker and rich in organic matters. The plains and the river valleys are dominated by sandy loam soil, which constitute the best agricultural fields of the district. On the whole, the soils of the district can be divided into four types:

- Red loamy soil mixed with clay. It covers about 70% of the area of Diphu sub-division. The soils of Chenghe-Arnarn plateau and the Diphu plateau may be categorized under this group.
- Sandy and clayey soils, found in entire Socheng area located in the southern part of Hamren sub-division.
- Old alluvium, found in western part of Rongkhang plain and also in the extreme northern most part of Diphu sub-division.
- The sandy and alluvial soils, found in the eastern part of Rongkhang plain, Jamuna valley and also in the Dhansiri valley.

Red loam soils are suitable for the production of various types of potatoes, grams and hill paddy (mainly Ahu). Old alluvial soils are suitable for tea plantation, fruits and vegetables. New alluvial soils, are to some extent sandy and have contains acidic character. This type of soil is suitable for rice and jute. Thus the soil type of the district is closely related with the socio-economy of the people of the district.

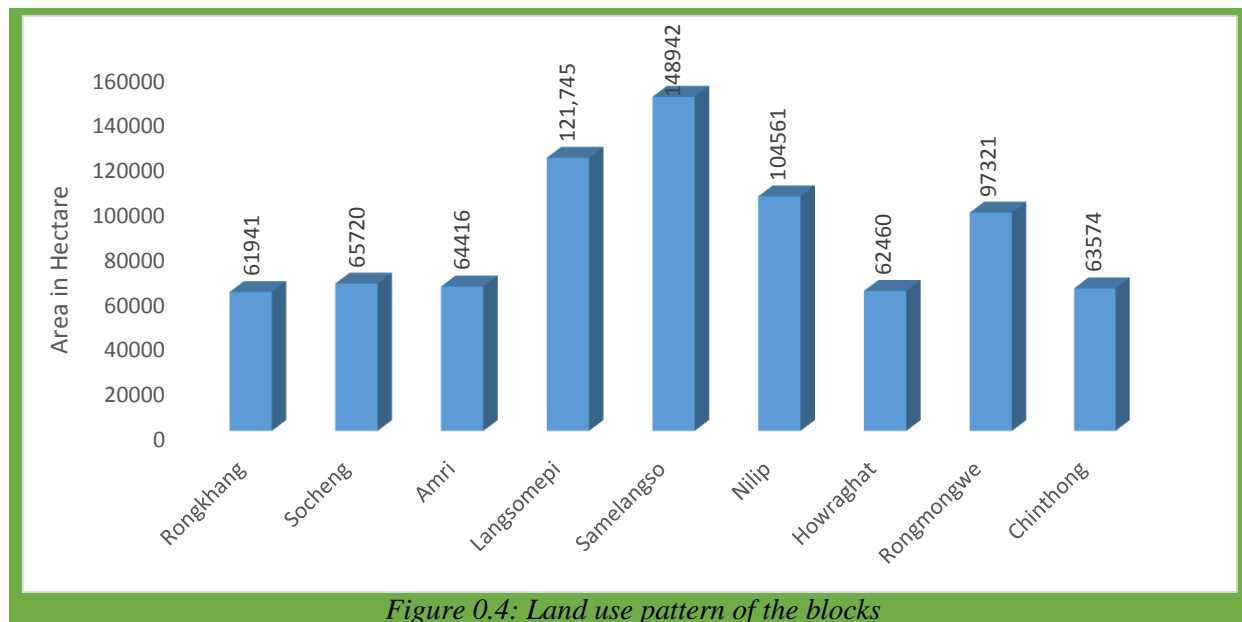
1.7 Land Use Pattern

The total geographical area (TGA) of Karbi Anglong is 10,43,400 hectare. The largest block of the district is Samelangso which is comprises TGA of 148942hectare i.e. about 14% of the TGA of the district. The Gross Cropped Area of the district is more than 1.6 lakh hectare out of which 32,693 hectare i.e.20% of the area falls in Rongkhang Block, followed by Howraghat block having TGA of 62460 ha i.e. 6% of the district.

Table 0.7: Land use pattern of Karbi Anglong(Area in ha.)

Name of block	TGA	Area under Agriculture				Forest Area	Wasteland	Other uses
		GCA	NSA	AST	CI (%)			
Rongkhang	61941	32693	30245	2448	108%	12000	4572	13474
Socheng	65720	11500	8400	3100	136	27100	8531	2771
Amri	64416	12,483	12217	276	143	26150	7197	18586
Langsomepi	121745	19523	14113	5410	138	68067	3206	1623
Samelangso	148942	24079	15305	8774	157	83184	3688	2632
Nilip	104561	11297	10883	414	104	64132	3763	25783
Howraghat	62460	30874	27393	3481	113	50	1219	33798
Rongmongwe	97321	7244	6940	304	104	60505	4876	25000
Chinthong	63574	11408	8586		132	24144	11752	12952

TGA- Total Geographical Area, GCA- Gross Cropped Area, NSA- Net Sown Area, AST- Area Sown more than once



The cropping intensity in Samelangso block is 157% and ranks first in the district followed by Amri Block where cropping intensity is 143%. In other blocks of Karbi Anglong, cropping intensity ranges from 104% to 138%.

Forestry in Karbi Anglong

The hill area of Assam forest covers about 34% of the total geographical area of the region against the regulated forest coverage of 60% as fixed by the National Forestry Policy, 1952(10). As per the State of Forests Reports (SFR), 2001, published by the Forest Survey of India, the total area under forests in Karbi Anglong district was 7,97,200 hectares constituting 76.4% of its geographical area. The forest of Karbi Anglong is rich in bio-diversity. Different varieties of timber like teak, sal, tita champa, bansum, gamari, nahor, bhelu, jam hollock, koroi etc. are found in Karbi Anglong. Besides, bamboo, cane, fire-wood, thatch, patidoi, dhuna, medicinal herbs like Neem, Chalmugra, Chandan (Sandal), Agar, Atar, Tulsi, Citronella, Amla etc. are also found in the forest of Karbi Anglong. The district is also rich in varieties of wildlife such as wild buffaloes, elephants, tigers, wild bears, deers, monkeys, green pigeons, mynas, great hornbills, wild duck, wild pigs etc. Some rare species of reptiles such as lizards, pythons and pangolin are also found in Karbi Anglong. The hilly areas of Karbi Anglong adjacent to the Kaziranga National Park, provides shelter to the wild life during flood and rainy season.

The forest area of the district is managed by the Karbi Anglong Autonomous Council through its territorial divisions namely – (i) Karbi Anglong East Division, Diphu (ii) Karbi Anglong West Division, Diphu (iii) Hamren Division, Diphu.

Chapter 2

District Water Profile

Agriculture

Agriculture is the main source of income of this region. The economic development of the district is highly dependent on agriculture and allied activities. The hill district with topography of hills, plains and valleys has its own peculiarities in the system of cultivation. Roughly 30% of the total area of the district falls either in the plains or valleys. The type of cultivation of crops varies from place to place according to the variation of relief, rainfall, soils etc. Temperature ranges from about 21°C to about 25°C on average which is adequate for the major and common crops. The system of agriculture in plain areas in the district is similar to the system that is practiced in the other plain districts of the state.

The people living in the hill areas practice terrace cultivation. This system helps in soil, moisture conservation and results in better plant growth, greater yield and better quality of the produce. This system gives a regular and assured crop production with possibilities for improved agricultural practices. The people living in the plains practice flat system of common cultivation but their methods of cultivation are not improved. Most of the cultivators do not even use fertilizers and plough only once or twice in the field and then transplant the seedlings.

The people of this district generally cultivate single crops. They rarely follow the double/multiple cropping systems. The principal crops grown in this district are maize, paddy, rape, cotton, mustard, sugarcane, jute, ginger etc.

Agriculture engages 73% of the total working force, 59% as cultivators and 14% as agricultural labour. The number of cultivators along with the number of agricultural labourers has been increasing over the decades.

Wet-Cultivation: In Karbi-Anglong, wet cultivation is extensively carried out in Howraghat, Samalagnso, Bokajan, Lumbajong and Rongkhang Development Blocks. It is also carried out along the narrow valleys of perennial streams known as Dong-akhok. Such valleys are usually irrigated by the cultivators from stream itself.

Shifting (Jhum) Cultivation: Shifting Cultivation is an age old practiced traditional cultivation. Out of the total geographical area of the North East i.e. 25.50 million hectares, Jhum cultivation account for 2.70 million hectares. About 4.50 lakh tribal families survive on Jhum cultivation in North East. In Karbi Anglong district, about 65% of the people are dependent on Jhum cultivation. The people cultivate on the same plot of land after an interval of 8-10 years. So, the people have to move from 1 hillock to another in search of new plots of jhum land. But at present, due to population pressure on land, the jhum cycle has been reduced to 4 to 5 years and even in some areas, the jhum cycle has been reduced to 2-3 years.

Horticulture: The agro-climatic condition of Karbi Anglong and its altitude favours growth and production of fruit crops like orange, lemon, pine-apple, banana, pomegranate, papaya etc. Species such as ginger,

chillies, cardamom, turmeric etc. are also produced in large quantities in the interior hills. Horticultural crops are extensively grown in Nilip, Chinthong, Amri and Socheng development blocks of the district.

Sericulture: Sericulture is a very old and indigenous cottage industry among the tribal people of the region. It comprises in the culture of Eri (or Endi), Muga Mulberry and Oak Tassar. Eri culture has been traditionally practiced by the people as household occupation and particularly the Karbis, Dimasas, Kacharis and Tiwas have been using its clothes in various forms from very olden times. During the Ahom and the British periods, Karbi Anglong was the only major supplier of Eri cocoons in the entire North-East India. Muga culture has also been recently introduced in a few foothill areas bordering Nagaon and Golaghat Districts for production of Muga Cocoons, especially Muga seed cocoons.

Plantation

The sub-tropical and temperate climate of Karbi Anglong is congenial for growing plantation crops like tea, coffee, rubber, cashewnut, muga etc. In Karbi Anglong, plantations have been promoted under the Government initiative in the post-independence period. Plantation of rubber and coffee was introduced in the mid-1950s.

Tea Plantation: Tea is planted in different parts of the Karbi Anglong district. The area covered under tea plantation in Karbi Anglong district was 1866.12 hectares and the total production of tea was 76,57,064 kg during the year 2000-2001. At present, there are 14 tea estates in the district giving employment to 4531 labourers and employees other than labours. The registered area for tea cultivation by small tea growers in the district was 2058.39 hectares and total number of small tea growers was 302 as on 31st March, 2007.

Coffee Plantation: Presently 543.24 hectares of land is under coffee plantation in Karbi Anglong District. The yield of coffee in Karbi Anglong is 120 kg per hectare which is very low as compared to all India average yields of 800 kgs per hectare.

Rubber Plantation: The total area covered under rubber plantation in Karbi Anglong district, at present, is around 1121.11 hectares. The Assam Plantation Crop Development Corporation and the Soil Conservation Department together covers 982.7 hectares of rubber plantation. The current yield of latex is 1200 kg per hectare which is 250 kg per hectare less than that of India.

Bamboo Plantation: The geographical location and the climatic condition of the Karbi Anglong district favours bamboo plantation and it has the potential to be the largest bamboo growing district of Assam. In Karbi Anglong, the total area under bamboo cultivation during 2004-05 was 1325.05 hectares and area per grower was 0.010 hectares with 5,35,718 number of bamboo bushes in total and 3.84 number of bamboo bushes per grower.

Citronella Plantation: Since late 80's citronella plantation has been gaining popularity among the local farmers in the upland areas. Large areas which have been abandoned after one or two Jhum cycles are found to be suitable for citronella plantation. Local people are interested in citronella plantation as it is eco-friendly. In fact, Karbi Anglong contributes a substantial share to the total citronella oil production in the

state. There is ample scope for tea, rubber and citronella plantation in the district with institutional credit support.

2.1 Area Wise, Crop Wise Irrigation Status

Crop wise irrigation status of some of the crop groups are shown in table below.

Table 0.1: Crop type Wise irrigation Status (Area in Ha)

Crop Type	Kharif		Rabi		Summer		Total		
	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed	Total
A) Cereals	864	67205	878	31017	548	6371	2291	104593	106883
B) Coarse Cereals	36	5806	94	3419	22	1649	146	10874	11025
C) Pulses	17	1973	22	3130	15	561	54	5663	5717
D) Oil Seeds	12	1122	47	12614	186	7	59	13742	13801
E) Fibre	20	1973	2	71	0	0	22	2043	2065
F) Any other crops	22	2796	53	2103	15	57826	90	5477	5567
Total	971	80873	1095	52354	786	66413	2662	142393	145060
Horticulture and Plantation							294	16243	16537

2.2 Production and Productivity of Major Crops

Production and productivity of major crops for last three years of Karbi Anglong is given below.

Table 0.2: Production and Productivity of Major Crops

Sl. No	Crops		2009-10	2010-11	2011-12
1	Rice	A	133140	133565	137000
		P	395612	397356	407712
		AY	2971	2975	2976
2	Wheat	A	1554	1560	1620
		P	2301	2312	2401
		AY	1481	1482	1482
3	Maize	A	12158	12165	12265
		P	26881	26885	27130
		AY	2211	2210	2212
4	Black gram	A	880	883	2098
		P	602	605	1437
		AY	684	685	685
5	Green Gram	A	668	670	2099
		P	461	462	1450
		AY	690	690	691
6	Pea	A	720	725	730
		P	507	511	5150
		AY	704	705	706
7	Lentil	A	245	240	260
		P	148	145	158
		AY	605	605	606
8	Arahar	A	1290	1293	1313
		P	976	976	994
		AY	757	755	757

A	Total Pulses	A	3803	3811	6500
		P	3694	2699	4554
9	Jute	A	1580	1520	1501
		P	17660	16981	16761
		AY	2012	2011	2010
10	Mesta	A	215	195	190
		P	1134	1024	997
		AY	950	946	945
11	Cotton	A	910	912	940
		P	445	443	485
		AY	880	875	880
12	Rape & Mustard	A	18960	19110	23500
		P	13632	13855	17061
		AY	719	725	726
13	Sesamum	A	3240	3255	3335
		P	2446	2448	2515
		AY	755	752	754
14	Linseed	A	50	45	42
		P	21	18	19
		AY	412	410	411
15	Niger	A	28	25	22
		P	14	13	11
		AY	501	500	502
16	Ground Nut	A	95	97	110
		P	90	92	104
		AY	947	948	948
17	Sayabean	A	35	30	28
		P	15	12	12
		AY	415	412	412
18	Sunflower	A	50	45	45
		P	22	20	20
		AY	445	446	446
19	Castor	A	325	320	320
		P	127	125	125
		AY	390	392	392
B	Total Oil Seed	A	22143	22357	27406
		P	15577	15743	19867
20	Sugarcane	A	7900	8100	8310
		P	426315	441855	452978
		AY	53964	54550	54410
21	Turmeric	A	860	900	915
		P	764	850	862
		AY	923	944	942
22	Ginger	A	2381	2512	2603
		P	29298	30915	32033
		AY	12306	12307	12306
23	Chilli	A	460	470	475
		P	442	450	454
		AY	960	958	955
24	Onion	A	365	350	350
		P	922	884	884
		AY	2525	2527	2527
25	Garlic	A	270	275	275
		P	451	460	460

		AY	1670	1671	1671
26	Black Pepper	A	360	365	368
		P	589	597	602
		AY	1635	1636	1636
27	Coriander	A	180	181	185
		P	126	126	130
		AY	700	698	700
28	Others	A	125	127	130
		P	94	95	98
		AY	750	751	751
C	Total Species	A	5001	5180	5301
		P	32716	19258	35523
29	Banana	A	2088	2157	2160
		P	32046	32556	33156
		AY	15347	15093	15350
30	Orange	A	1097	1186	1190
		P	45380	16645	16709
		AY	14020	14035	14041
31	Pineapple	A	2188	2310	2340
		P	33150	35371	35685
		AY	15150	15312	15250
32	Papaya	A	715	716	725
		P	11007	11024	11161
		AY	15395	15396	15395
33	Lime & Lemon	A	886	890	892
		P	3805	3823	3831
		AY	4295	4296	4295
34	Jack Fruit	A	175	175	175
		P	1157	1048	1048
		AY	6611	5989	5989
35	Guava	A	200	202	202
		P	2181	2204	2204
		AY	10909	10910	10910
36	Litchi	A	253	270	272
		P	716	764	770
		AY	2831	2830	2830
37	Mango	A	164	166	167
		P	545	552	555
		AY	3325	3323	3325
38	Mosambi	A	190	192	192
		P	1482	1498	1498
		AY	7803	7802	7802
39	Pears	A	258	258	258
		P	1828	1828	1828
		AY	7087	7087	7087
40	Others Fruits	A	172	175	175
		P	810	825	825
		AY	4711	4712	4712
D	Total Fruits	A	8386	8617	8748
		P	104107	108138	109270
41	Patato	A	828	830	1100
		P	6839	6856	9092
		AY	8260	8260	8265
42	Tapioca	A	450	450	460

		P	2309	2361	2361
		AY	5131	5132	5132
43	Sweet potato	A	365	367	370
		P	1195	1202	1212
		AY	3275	3276	3276
44	Others	A	160	168	168
		P	721	735	735
		AY	4508	4375	4375
E	Total Tuber Crops	A	1795	1825	2098
		P	11064	11154	13400
45	Coconut	A	556	558	560
46	Arecanut	A	1483	1497	1566
47	Rabi Vegetables	A	2425	2501	4500
		P	39193	40429	72738
		AY	16162	16165	16164
48	Kharif Vegetables	A	1921	2002	2015
		P	27370	28529	28714
		AY	14248	14250	14250
F	Total Vegetables	A	4346	4503	6515
		P	66563	68958	101452

2.3 Irrigation Based Classification

The details of net irrigated area for the blocks of Karbi Anglong is as given in table below.

Table 0.3: Irrigation based classification

Block	Gross Irrigated (Ha)	Net Irrigated	Rainfed (Ha)
Rongkhang		15842	
Socheng		3548	
Amri		1443	
Langsomepi		2515	
Samelangso		4660	
Nilip		763	
Rongmongwe		504	
Howraghat		5022	
Chinthong		7561	
Lumbajeng		12337	
Bokajan		3125	
District Total*	249,640	183,125	111,885

Developed Canal Command area has been taken as Net Irrigated Area due to unavailability of data

**Given separately by department*

The area under partial irrigation has been reported to be zero across all the blocks of the district.

Chapter 3

Water Availability

3.1 Status of Water Availability

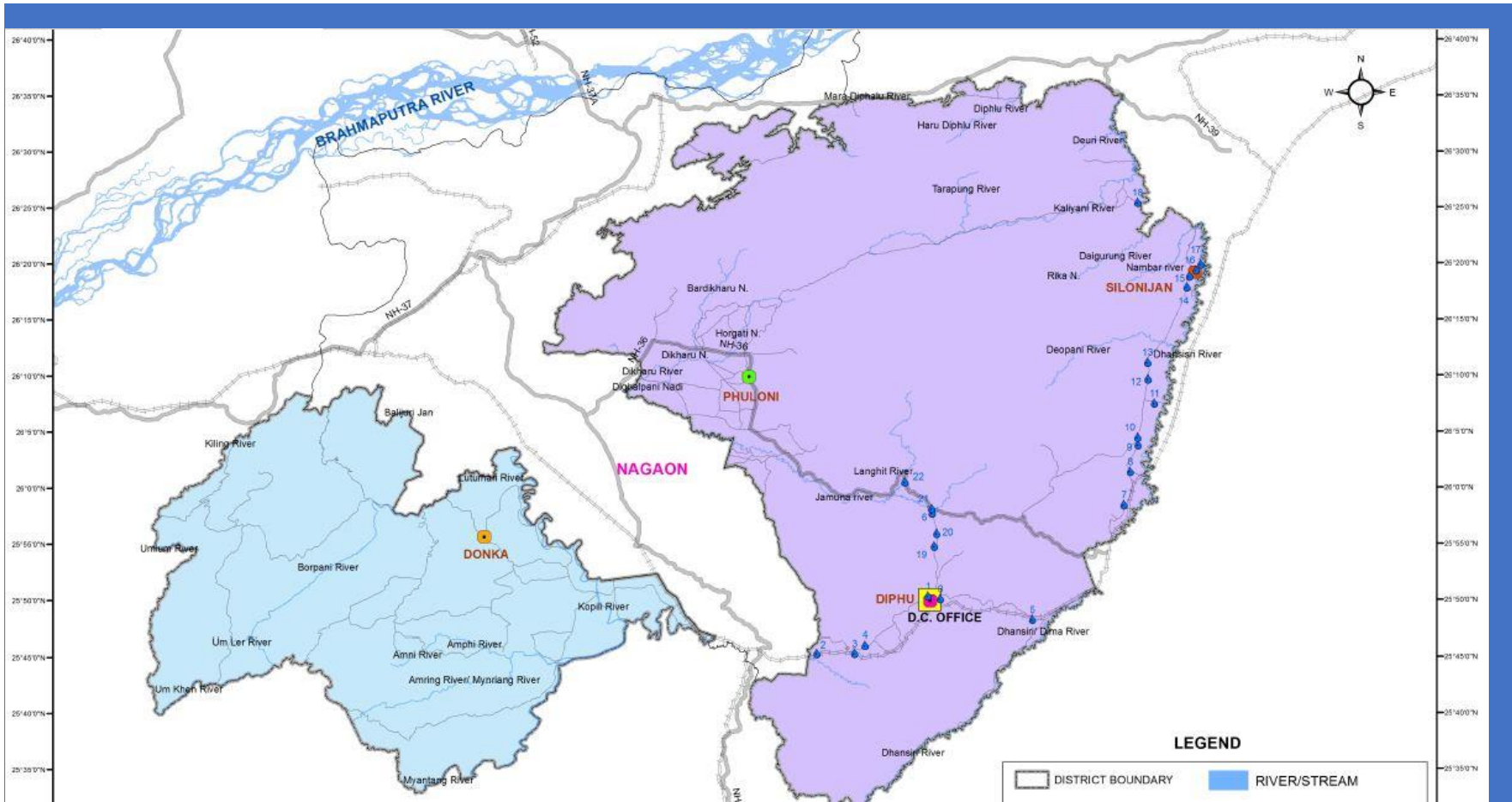
River/ Tributaries

The three tributaries of the river Brahmaputra i.e. Kalong, Kopili and Dhansiri along with their feeder streams form the most important river system of Karbi Anglong. The Kopili originates from the eastern border of Jayanlia hills district and flows northeastward through Daiyangmukh for about 60 to 70 km forming the common boundary between North Cachar hills and Karbi Anglong and Nagaon. Barapani (Langpi) is a major tributary, which originates in the Khasi Hills and flows through the district and western boundary to meet Kopili in Nagaon district. Its main tributaries in the upper part are Diyung and the Jamuna. The Diyung flowing through North Cachar meets the Kopili near Doiyangmukh and together flows in a northwestern direction along the borders of Karbi Anglong and Nagaon districts. The river is highly meandering in this course and also forms a waterfall named Iyal near a place called Garampani. Other important tributaries of the Kopili are Amring, Dikharu, Kiling (Umiam) and Digaru (Umiru). The river Kalong is in fact is tributary of the Brahmaputra. Dhansiri is the most important river bordering Karbi Anglong in the east. It is, originates from the Thingtubum (1840) peak of Barail mountain and flows northward forming the common boundary between Assam and Nagaland upto Dimapur and flows through the district of Golaghat to meet the Brahmaputra at Dhansirimukh. The major tributaries of Dhansiri are Kaliani, Doigurung, Nambar, Depone, Lain and Della which flows from the west and originates in Singhasan and other peaks already mentioned. These rivers shrink during winter but get inflated during rainy seasons and often cause havoc by flooding the nearby areas.

Majority of the river streams in Baithalangso area of Hamren subdivision flow from southwest to northeast. Amringand Barapani are the biggest of these streams. The streams of this area have deep valleys intercepted by chains of interlocking spurs, rapids and waterfalls. Being rain fed, these dwindle to insignificant streamlets in winter and some of them completely dry up. But during summer huge volumes of water tumbles down with tremendous speed causing erosion and mass wastage. Erosion of this kind makes the plateaus of Karbi Anglong district extremely rugged.

Table 0.1: Status of water availability in Karbi Anglong (MCM)

Sl.	Sources	Kharif	Rabi	Summer	Total
1.	Surface Irrigation				
(i)	Canal (Major & Medium Irrigation)	157806 Ha (6.94 BCM)	23068 Ha (1.01 BCM)	157806 Ha (6.94 BCM)	338608 Ha (14.90 BCM)
(ii)	Minor Irrigation Tank	-	-	-	
(iii)	Lift Irrigation/ Diversion	4000 Ha (0.18BCM)	1200 Ha (0.053)	4000 Ha (0.18BCM)	9200 Ha (0.40BCM)
(iv)	Various Water Bodies including Rain Water Harvesting				
(v)	Treated Effluent Received from STP				
(vi)	Untreated Effluent				
(vii)	Perennial sources of water				
2	Ground Water				
(i)	Open Well				
(ii)	Deep Tube Well	8000 Ha (0.35BCM)	1000 Ha (0.044BCM)	8000 Ha (0.35BCM)	17000 Ha (0.75BCM)
(iii)	Medium Tube Well	-	-	-	
(iv)	Shallow Tube Wells	520 Ha (0.022BCM)	280 Ha (0.012BCM)	520 Ha (0.022BCM)	1320 Ha (0.058BCM)



River Map of Karbi Anglong district

3.2 Status of Ground Water Availability

3.2.1 Hydrogeology

The Karbi plateau represents the Northeastern most extension of the stable South Indian Plateau. The plateau however has partially subjected to tectonic movements in different geological periods and hence contains younger rock type also. Thus on the basis of stratigraphy, the rocks of the plateau can broadly be divided into the following groups -i) Archean ii) Proterozoic iii) Tertiary and iv) Quaternary.

Achaean rocks are the oldest rock formations and form the basement over which younger rocks were deposited. It occurs entirely in Hamren subdivision and in the northern half of Diphu subdivision. Archean rocks include mostly metamorphic rocks such as quartzo-feldspathic gneiss and biotite schist, amphibolites, quartzite etc. and suffered several phases of crustal deformation. The Proterozoic cover is composed of the Shillong Group of met sediments, which were deposited in a continental basin formed over the Archean Basement. The Shillong Group of meta-sedimentary rocks composed essentially of quartzites, phyllites with associated conglomeratic horizons. These occur in the northern part of North Cachar and over the western flank of the Karbi or Mikir hills across the Kopili valley.

The Tertiary group of rock is available extensively in the whole of North Cachar hills and in the southern and southeastern flanks of Diphu plateau. It is the composition of shale, carbonaceous shale and sandstone of the Jayantia, Barail and Tipain Groups. The rocks of the Quaternary epoch particularly include the unclassified older and new alluvial deposits. The older alluvium is composed of clay, coarse sand, shingle gravel and rounded boulder. The newer alluvium is composed of clay, silt, sand, pebbles, cobbles and lie on lower grounds on the valley floors. The Table below clarifies the stratigraphical column of Karbi plateau:

Table 0.2: Stratigraphical column of Karbi plateau

Groups	Rock Type	Area of occurrence
Quaternary	Rounded boulder, shingle gravel, coarse sand etc.	Valley Regions
Tertiary	Sandstone, limestone, shale, carbonaceous shale	Southern and southeastern parts of Diphu plateau
Proterozoic	Shillong group	Western flank of the Karbi or Mikir Hills across the Kopili valley.
Archean	Basement Gneissic Complex	Entire Hamren subdivision and northern half of Diphu region.

The two most important mineral resources of the district are coal and limestone. Coal has been discovered in large quantity in Koiijan, Langlai, Silbhetta, and Dillai. However, these coals are not of high quality and the total quantity of coal reserves in the district could not be ascertained. The other important mineral resource is limestone and good quality of limestone is found near Bokajan and places like Koylajan, Silbhetta, Mayangdisa and Sainilango etc. The total reserve of limestone has been ascertained to be more than 15.4 lakh tones. The other important mineral resources of the district are coal, base metals, china clay and sillimanite etc.

Depth to Ground Water

In the consolidated formation, ground water is confined to the top weathered zone and the fractures and fissures of the fresh hard rock. The thickness of the weathered zone depends on compactness and topography of rock types and other climatic effects. The depth to water level varies from 4 to 6 m in low terraced zone and 8 to 10 m in high terraced zones. In small valleys within denudational hills, the static water level is 5 to 7 m bgl with water level fluctuation ranging from 2 to 3 m. The depth of the weathered materials generally is from 10 – 20 m. About 13 nos. borewells were drilled in hard rock and yield of the boreholes are limited. The depth to water level varies from 1 m to as much as 14 m or more up to 28 m bgl.

The shallow aquifer constitutes mixture of sand, clay with little gravel. Its thickness varies from 15 to 30 m. Ground water occurs under water table to semi-confined conditions. The deeper aquifers consist of fine to coarse sand and gravel with intercalation of clay bands. 3 to 6 aquifer zones are demarcated within stipulated depth. Auto flow conditions are observed in Ongaon and Nathgaon areas in Howraghat block with piezometric head within 0.5 m to 1.5 m agl with auto flow discharge of 30 to 60 lpm. Auto flow condition is also observed around Bokajan area with fluctuation of piezometric head from 0.3 to 0.5 m in Bokajan, Howraghat and Rongkhong blocks respectively.

Available Ground Water and scope for development

The annual replenishable ground water resource of the district is 381.99 mcm and net annual draft is 28.03 mcm. The projected demand for domestic and industrial uses up to 2025 is 31.94 mcm. The stage of ground water development is 8%. Based on the estimated ground water resource available for development and considering yield capacity of 20 m³/hr and 60 m³/hr for shallow and deep tube wells respectively, the spacing of the wells are recommended as 400 m and 1600 m. The tube wells should be designed in such a way that maximum volume of ground water may rush into the well with steady flow without sand rushing.

Shallow tube wells are feasible in limited alluvial tracts of Howraghat, Bokajan, Rongkhong, Samalangaso and Nilip blocks. The hydraulic gradient in Bokajan block is 1.76 m/km, in Howraghat block is 1.62 m/km and Rongkhong block is 1.61 m/km. Auto flow conditions are observed in Ongaon and Nathgaon areas in Howraghat block with piezometric head varying from 0.5 m to 1.5 m agl with auto flow discharge of 30 – 60 lpm.

The use of shallow tube wells for irrigation is very limited and confines mainly in Howraghat and Rongkhong blocks. Small areas of 1 to 2 hectares are irrigated by such shallow tube wells of average 20 m³/hr yield for rice and other Rabi crops. Ground water development in much more created by shallow structures down to 50 m depth with 3 to 4 nos. aquifer zones than the deeper aquifers down to 200 m depth with limited aquifer thickness. Considering the cost factors of such constructions, shallow tubewells are cheaper and more productive.

3.3 Status of Command Area

Status of village wise command area in different blocks are as given in table below.

Table 0.3: Status of Command Area

Block	Name of the village	Information of canal command			Information on the other services command			Total Area	
		TA	DA	UDA	TA	DA	UDA	DC	UDC
	2	3	4	5	6	7	8	4+7	5+8
Rongkhang	Rongmandu Engti Gaon, Rongmandu Rongkhang Gaon, Lonsek Gaon and Umphanchi Gaon	160	144	16	Nil	Nil	Nil	144	16
	Rahajan, Kuther Bangla, Hamse Gaon, Tisso Gaon and Hanse Gaon	860	196	664	Nil	Nil	Nil	196	664
	Basopo,Rongkerpam, ongjami, Terang Gaon and Kutepi	120	98	22	Nil	Nil	Nil	98	22
	Phurgaon,Rongkhang Gaon, Teron Gaon	160	144	16	Nil	Nil	Nil	144	16
	Taralangso, Kekang Gaon,Sarpo, Taralamso Longsudo, Donka	450	325	125	Nil	Nil	Nil	325	125
	Borthar, Bhigaon, Rongkuroi, Khanjan and Alom Gaon	350	330	20	Nil	Nil	Nil	330	20
	Teron Gaon,Engti Gaon, Rongkhang Gaon and Habai Gaon	160	138	22	Nil	Nil	Nil	138	22
	Rongkimi, Chihun Gaon, Manipuri Basti, Mithunlangso and Teran Gaon	179	167	12	Nil	Nil	Nil	167	12
	Bortisso Gaon, Kundarpi, Lingding and Kusang Gaon	205	185	20	Nil	Nil	Nil	185	20
	Tangralangso and borthoieso	193	172	21	Nil	Nil	Nil	172	21
	Bogori Gaon, Santipur,Hanse Gaon, Rongpi Gaon and Teron Gaon	210	175	35	Nil	Nil	Nil	175	35
	Ridung and Ummat Gaon	66	60	6	Nil	Nil	Nil	60	6
	Kathar Gaon, Karli Rongsopi Gaon, Romgpi Gaon and Teron Gaon	160	90	70	Nil	Nil	Nil	90	70
	Langhan Tero Gaon, Langhan Kramsa Gaon and Langhan,Terang Gaon,Padumpukhuri Gaon and Kramsa Basti	182	160	22	Nil	Nil	Nil	160	22
	Santiali Gaon, Sarsonet Rongkhang Gaon, Bey Gaon and Sarkopona Gaon	390	374	16	Nil	Nil	Nil	374	16
	Cheharadong, Terang Gaon, Romi Engti Gaon, Koibongengti Gaon Harba Langso Gaon	280	263	17	Nil	Nil	Nil	263	17
	Lalmati Gaon, Deramukh Engti Gaon, Changchaki Gaon, Deramukh Lalung Gaon, Japan Hanse Gaon	540	520	20	Nil	Nil	Nil	520	20
	Hanse Gaon, Engti Gaon, Rongpher Gaon, Engti Gaon and Engti amri Gaon	340	326	14	Nil	Nil	Nil	326	14
	Langbai Azargaon, Rupathar Gaon and Lutu Mari Gaon	128	110	18	Nil	Nil	Nil	110	18
	Ghilani								
	Megaon, Khandajan and Paschiali	148	115	33	Nil	Nil	Nil	115	33
	Bason Teron Gaon,Rajen Teron Gaon,Chandra Timmung Gaon, Joysing Jokbi Gaon and Joysing Rongpi Gaon	225	210	15	Nil	Nil	Nil	210	15
	Phura Gaon, Rongkhang Gaon, Rongphar Gaon and Teron Gaon	170	146	24	Nil	Nil	Nil	146	24
	Kuthepi, Mouzumdar Gaon, Hawai Gaon, Ramsing Gaon, Englong Gaon,Kologa, Chonkan, Kachari Gaon Hanthor Gaon,Bdhung No 8, Jalpara, Indra Nagar, Garec Gaon, Arlukhang and Kolai Gaon	1940	700	1240	Nil	Nil	Nil	700	1240
	Rengthama, Bhelapara Pt and Kolai Gaon	275	268	7	Nil	Nil	Nil	268	7
	Maidampara, Rengthema No-9, Jalpara No 4 and Middle Rongkhang	240	225	15	Nil	Nil	Nil	225	15
	Nabang Basti, Nepali Basti, Langtharu Terong gaon, Karbikhasi Basti and Dewori Basti	400	250	150	Nil	Nil	Nil	250	150
	Ghilani, Jorterang, Kro Gaon, Bey Gaon, Bordonga and Sejong Gaon	360	220	140	Nil	Nil	Nil	220	140
Kangdom, Samgor, Rongjapong and Hazing Village, dhansing, Cheng engti,Sarthe Gaon, Langchiling Gaon	210	178	32	Nil	Nil	Nil	178	32	

Rikangmiham	250	189	61	Nil	Nil	Nil	189	61
Men Gaon, Sarek Gaon, Mukim Gaon, Hanse Tapan Gaon, Deimikh lalung Gaon,Enti gaon, Rongpi Gaon and Fanleng Prang Gaon	630	330	300	Nil	Nil	Nil	330	300
Rongkhelan Gaon, Mohri Engti Gaon, Teron Gaon	220	205	15	Nil	Nil	Nil	205	15
Khorsing Terang Gaon, Sarlonfor Gaon	150	130	20	Nil	Nil	Nil	130	20
Engleng Gaon, Engli Gaon, Tokbi Gaon and Dera Gaon	210	198	12	Nil	Nil	Nil	198	12
Rongkuri Sagti Gaon, Timung Gaon, Kro Gaon, Kochari Gaon	180	160	20	Nil	Nil	Nil	160	20
Rongphar gaon,Rongmandu, Kachari gaon, Rongkuru Engti, Rongkuru timung gaon, Rongkuru Engti Gaon and Kro Gaon	160	120	40	Nil	Nil	Nil	120	40
Zenkru, thenglong and engti gaon, Bormatikhola and Lamagaon	102	90	12	Nil	Nil	Nil	90	12
Watizur, Silveta, Ekrahola and Das Gaon	299	198	101	Nil	Nil	Nil	198	101
Rongjapang, Kaglelom, Samser, Harsing, Dhansing, cheng Engti, Sarthe Gaon	210	198	12	Nil	Nil	Nil	198	12
Teron Gaon, Artubang Bey Gaon and Bey Gaon	180	170	10	Nil	Nil	Nil	170	10
Long Seldic, Long siting, Serim Chupi, Christian Basti	147	137	10	Nil	Nil	Nil	137	10
Bakbey Gaon, Sarthe Bey, Harlongchoral Lesidok Ronghang Gaon	190	185	5	Nil	Nil	Nil	185	5
Vatralangso, Langsomepi	80	68	12	Nil	Nil	Nil	68	12
Ronghelan, Mohri Engti Gaon	220	205	15	Nil	Nil	Nil	205	15
Chamahari Gaon,Artubang Bey Gaon, abcl Rongpi Gaon, Rongpher and Bey Gaon	180	145	35	Nil	Nil	Nil	145	35
Chalu Engleng Gaon, Tisso Gaon, Sarthe engi Rongaon & Teron Gaon	215	198	17	Nil	Nil	Nil	198	17
rongpher gaon, rengmandu gason, rongkuri Timming Gaon, Rongkuru enghee Gaon, Kro Gson	160	120	40	Nil	Nil	Nil	120	40
Buplang, Mejikro & Menmezi	210	190	20	Nil	Nil	Nil	190	20
Tisso Ronghang Gaon	250	236	14	Nil	Nil	Nil	236	14
Mengaon, Khandajan, Panchiali	148	115	33	Nil	Nil	Nil	115	33
Engli Gaon	25	235	15	Nil	Nil	Nil	235	15
Terang Gaon, Deuri Tinali	30	18	12	Nil	Nil	Nil	18	12
Englong Gaon, Engti Gaon, Jokbi Gaon, Teron Gaon	198	198	0	Nil	Nil	Nil	198	0
Rongkhelan Gaon, Mohri Engti Gaon, Teron Gaon	220	205	15	Nil	Nil	Nil	205	15
Bey Gaon, Englang Gaon, Tisso Gaon	210	160	50	Nil	Nil	Nil	160	50
Chamahari Gaon,Artubang Bey Gaon, abcl Rongpi Gaon, Rongpher and Bey Gaon	175	168	7	Nil	Nil	Nil	168	7
Seng Ronghang Gaon, Tisso Arong Gaon, Teron Aron Gaon, Timung Arong Gaon, Phangcho Arong Gaon, Senar Gaon	300	294	6	Nil	Nil	Nil	294	6
Kedar Kramsa Gaon, ronghang Gaon, Padum Sarpo, Jai-ik-pidam, Borthaipi Gaon	172	160	12	Nil	Nil	Nil	160	12
Seng Engleng Gaon, siten Teron Gaon, Baganj Rongpi Gaon, Lunce Enghee gaon, Balum Ronghang gaon, Senat Bey, Morsing Teron Gaon, Rajen Senar Gaon, Babu Bey, Donka Dera Gaon	240	230	10	Nil	Nil	Nil	230	10
Men Gaon, Sarek Gaon, Mukim Gaon, Hanse Tapan Gaon, Deimikh lalung Gaon, Enti gaon, Rongpi Gaon and Fanleng Prang Gaon	630	610	20	Nil	Nil	Nil	610	20
Mezikro, Sar-ex Gaon, Men gaon, Mukhim	300		300	Nil	Nil	Nil	0	300
Telehor Rongpee, Sarthebey Gaon, Bisarmung Dera gaon, Ronghung	220	210	10	Nil	Nil	Nil	210	10
Dungmegri Rongphar, Chenar Gaon, Bey Gaon, Dera Gaon, Rongphar Natun Gaon	200	194	6	Nil	Nil	Nil	194	6
Langmet	185	175	10	Nil	Nil	Nil	175	10
Votralangso	80	68	12	Nil	Nil	Nil	68	12
Presee	100	80	20	Nil	Nil	Nil	80	20
Bey Gaon, Englang Gaon, Tisso Gaon	210	160	50	Nil	Nil	Nil	160	50
Rikamniur	250	128	122	Nil	Nil	Nil	128	122
Chalsi Engleng, Tisso Gaon, Teron Gaon	215	198	17	Nil	Nil	Nil	198	17

	Tharek Cherup, Telehor Pather, Bihendru, Tisso gaon, Barman Pather	170	145	25	Nil	Nil	Nil	145	25
	Baplang, Mazikro Gaon, Men Mezzi gaon	260	250	10	Nil	Nil	Nil	250	10
	Rikom Nihom Village, Prilo Village	160	150	10	Nil	Nil	Nil	150	10
	Bakbey Gaon, Sarthe Bey, Harlongchoral Lesidok Ronghang Gaon, Bicharmung Dera gaon, Telchar rongpher	200	110	90	Nil	Nil	Nil	110	90
	Pakpam Kro, Rang kro Engti Gaon	235	170	65	Nil	Nil	Nil	170	65
	Ronghang Gaon, Engti Gaon, engti Gaon, Bey Gaon, Chubi Gaon	332	230	102	Nil	Nil	Nil	230	102
	Timung Gaon Langning Gaon, Langkar one	244	130	114	Nil	Nil	Nil	130	114
	Dongmepi Rongphar Gaon, Chenar Gaon, Bey Gaon, Rongphar Natun Gaon	455	260	195	Nil	Nil	Nil	260	195
	Phanghungtar, Indrooing, Rongkhang Gaon	165	120	45	Nil	Nil	Nil	120	45
	Hinggarlong Gaon	267	180	87	Nil	Nil	Nil	180	87
	Timung Gaon, Bey Gaon, Tisso Gaon, Engti Gaon, Engleng Gaon, Senot Bey Gaon	200	160	40	Nil	Nil	Nil		40
	Buplang, Mejikro, Menmezi	210	150	60	Nil	Nil	Nil	150	60
	Hemari Teron, Khorsing Teron, Mensing Ronghang	180	120	60	Nil	Nil	Nil	120	60
	Rikom Nihom Village, Prilo Village	200	100	100	Nil	Nil	Nil	100	100
	Men Gaon, Sarek Gaon, Mukim Gaon, Hanse Japung Gaon, Deimikh lalung Gaon, gaon, Rongpi Gaon	260	200	60	Nil	Nil	Nil	200	60
Amri	Punduri Maka, Chida Maka, Lumarjong, Marjong	155	144	11	Nil	Nil	Nil	144	11
	Romphom, Umswai Mudel, Umsowai Baro, Panduri Makha	195	185	10	Nil	Nil	Nil	185	10
	Umlaphar	215	195	20	Nil	Nil	Nil	195	20
	Sarteron gaon, Plimblambi, Kamarta, Ronghang Gaon, Jorthang Nala Senargaon Tamulbari, Jorthong Nala No.2 gaon	195	180	15	Nil	Nil	Nil	180	15
	Umkaci, Brish Enki Pt. Knowar Pt, Umker Romen Pt.	114	72	42	Nil	Nil	Nil	72	42
	Dukan Umpanai, birsinkie, Umkeriroman, Tina roman, hilika guri	95	53	42	Nil	Nil	Nil	53	42
	Wongsokan Rongkimi, Mikiramsa, Amklam	130	110	20	Nil	Nil	Nil	110	20
	Brisr engti, Bhowra, umpani donka (PL), Amkuchi (pl)	164	154	10	Nil	Nil	Nil	154	10
	Barmahari, Ulukumchi, Birsinki	270	250	20	Nil	Nil	Nil	250	20
	Tiwn Umbarum, Umchuri village, Umsamrekh, Inghatlong jang, Tinialam, Kunduaji	158	140	18	Nil	Nil	Nil	140	18
	Umsapsow, Umpukalang, Lockrow, Umwang	195	180	15	Nil	Nil	Nil	180	15
	Milik gaon, Silmilik, Rongpi gaon, Teklaphangcho, Garo gaon	485	320	165	Nil	Nil	Nil	320	165
	Bormajong, Chikdamatka, Mongubu, Emlikundhi	100	85	15	Nil	Nil	Nil	85	15
	Nala Gaon, Panjee Hanse gaon, Bhor Rongpi Gaon, Harsing engti Gaon	52	48	4	Nil	Nil	Nil	48	4
	Shilaguri, Umkachi.raman, Brighinki, Tiralom Pt.	158	140	18	Nil	Nil	Nil	140	18
	Amkuchi, Birish Engti, Khowra, Umpani Donka	170	154	16	Nil	Nil	Nil	154	16
	Enghar Karmuk, Romun Amkuchi, Umponai Dokan(pt), Engti Gaon	187	175	12	Nil	Nil	Nil	175	12
	Mortem, Kramkuchi, Maslai kanchi, Makhakuri	197	158	39	Nil	Nil	Nil	158	39
	Barmahari, Ulukumchi, Birsinki	270	250	20	Nil	Nil	Nil	250	20
	Longpari Aimmung, Maitiso Gaon, Bor Amri gaon, Vokchang gaon saru Amri gaon	198		198	Nil	Nil	Nil	0	198
	Lkiloumbang, Umsatsaw, Habang	195	180	15	Nil	Nil	Nil	180	15
	Umpenai basti, Umpenai Nepali Basti, Umpenai, Braj Engti Gaon	135	115	20	Nil	Nil	Nil	115	20
	Kro Dhoni gaon, Rongpili Hanse, Gaon, Song Teron, Bongtoli Ke-up Gaon	315	285	30	Nil	Nil	Nil	285	30
	Tiwn Umbarum, Umchuri village, Umsamrekh, Inghatlong jang, Tinialam, Kunduaji	158	140	18	Nil	Nil	Nil	140	18
	Morten, Muslaikuachi, Makhaguri, Silakuri	185	178	7	Nil	Nil	Nil	178	7
	Chunglung kuchi, Buga gumin, Keya path, Chemai raman	165	145	20	Nil	Nil	Nil	145	20
	Bhokchung teron gaon, taro basti, ronghang gaon, Modaimali	420	400	20	Nil	Nil	Nil	400	20
	Total		5279	1443	845				4436
La	Gohin Terang, Jamin Taro, Mohari Rongpi Gaon	520	330	190	Nil	Nil	Nil	330	190
	Gohin Terang, Jamin Taro, Mohari Rongpi Gaon	425	210	215	Nil	Nil	Nil	210	215

	Dengaon	49	27	22	Nil	Nil	Nil	27	22
	Kania Bez Gaon,Kamar Tassu Gaon,Christian Basti,Desoi Teron Gaon	185	120	65	Nil	Nil	Nil	120	65
	Torang Gaon, Bogadd Gaon, Bonget Bey Gaon, Marak Fangsri Gaon, Hane Gaon	350	210	140	Nil	Nil	Nil	210	140
	Teng Kreng Bey Gaon,Phulam Tumaorg Gaon, Kharsing Ukthaga, Panigaon	275	190	85	Nil	Nil	Nil	190	85
	Masiram Gaon, Taru Basti Gaon, Anandpur Gaon, Tisu Gaon, Beay Gaon, Alipur Gaon (Rt side)	1090	606	484	Nil	Nil	Nil	606	484
	Singer Gaon, Muamari Gaon, Goripur, Jamphukhuri, Velapara	230	170	60	Nil	Nil	Nil	170	60
	Jengreng Beygaon, Kumalsung Teron Gaon, Bisnu Pathar, Langsomipi Long Kather gaon, Ex-Service gaon	350	217	133	Nil	Nil	Nil	217	133
	Khorsing Kro, Rensing Rongpi, Men Phangcho, Dhong Sing Kro, Bijuli Phangcho	300	198	102	Nil	Nil	Nil	198	102
	Swapan Gaon, Dhupjuri	190	145	45	Nil	Nil	Nil	145	45
	Sikaripathar	25	16	9	Nil	Nil	Nil	16	9
	Sikarigate, Bakalia	25	16	9	Nil	Nil	Nil	16	9
	Mirdupathar	25	15	10	Nil	Nil	Nil	15	10
	Udali No I & II	60	45	15	Nil	Nil	Nil	45	15
	Total	4099	2515	1584	0	0	0	2515	158
Samelangso	Ronghang Kending, No-1 Banpur, No-2 Benpur, Socha Rongpi, Hemari Tumung, Krong Bey	370	230	140	Nil	Nil	Nil	230	140
	Jam Rongpi Vill, Kandong Rongphar Chir Engti Vill, Men Bey Vill, Khoya Sing Bey, Singnot Terang, Rongchirim	393	373	20	Nil	Nil	Nil	373	20
	Pin Khat Rongpi, Kangder Rongpi, Duri Tokbi, Pino Ingti, Dok Tokbi, Chinthong Rongpahar, Deobam Teron, Tokobey	250	170	80	Nil	Nil	Nil	170	80
	Phatokian, Swapan Gaon	30	20	10	Nil	Nil	Nil	20	10
	Poklungkam, Kehon, Ronghang	40	32	8	Nil	Nil	Nil	32	8
	Phatokian	23	15	8	Nil	Nil	Nil	15	8
	Mandoli	1000	810	190	Nil	Nil	Nil	810	190
	Bagpani, Nothpakilling, Kat Tisso, Bazin Tokbi, Chikra Bey	270	245	25	Nil	Nil	Nil	245	25
	Kehai Ronghang, Pandit Taro	110	100	10	Nil	Nil	Nil	100	10
	Kehai Ronghang, Pandit Taro, Men taro, Langtuk Rongpi, Khasing Terang	230	200	30	Nil	Nil	Nil	200	30
	Bogadol, Rampukhuri, Narsungpura, Ganesh Pathar, Jaipur	400	300	100	Nil	Nil	Nil	300	100
	Mai Ronghang, Long Terang, Long Ingti, Kamjoi Tukhe	178	150	128	Nil	Nil	Nil	150	28
	Panji Hanse, Nala Engti gaon, Chai Engtigaon	275	247	28	Nil	Nil	Nil	247	28
	Man Taro, Borsong Tano	270	245	25	Nil	Nil	Nil	245	25
	Kungguri, Hiramabpu	210	145	65	Nil	Nil	Nil	145	65
	Kchai Ronghang, Pandit Taro	110	100	10	Nil	Nil	Nil	100	10
	Totlum Rongpang, Moiso Engti, Kang Chong Chongthu, Sarbi Terong	1000	810	190	Nil	Nil	Nil	810	190
	Kehai Ronghang, Pandit	110	100	10	Nil	Nil	Nil	100	10
	Mai Ronghang, Long Terang, Long Ingti, Kamjoi Tukhe	200	178	22	Nil	Nil	Nil	178	22
	Sar-et Engtigam, Rampukhuri (pt)	235	190	45	Nil	Nil	Nil	190	45
Total	5704	4660	1044				4660	1044	
Rongmongwe	Kaipani I.S:- Pen Ronghang, Manthepak, Sarmen Engti, Maran	1050		1050	Nil	Nil	Nil		1050
	Rangagora TIS:- Manthepak, Sarmen Engti Gaon	60	20	40	Nil	Nil	Nil	20	40
	Kalivitty I.S:- Kalivitty, Anjukpani, Langhang	35		35	Nil	Nil	Nil		35
	Balijur I.S:- Rajendra Ronghang Gaon, Sabor Gaon, Sarthe	105	22	83	Nil	Nil	Nil	22	83
	Putijuri I.S:- Jeng Bey Gaon, Nepali Gaon	170	32	138	Nil	Nil	Nil	32	138
	Silimkhowa I.S:- Silimkhowa, Nahru Bosti	320	125	195	Nil	Nil	Nil	125	195
	Da-Dhara I.S:- Sarsing Terang Gaon, Mohori Engti	214		214	Nil	Nil	Nil		214
	Deopani I.S:- Kat Teron gaon, Bibiyapai gaon, Tokbi gaon, Rongphar Gaon	185	65	120	Nil	Nil	Nil	65	120
Terong arong, Majhri gaon, Nepali Basti, Sukonjuri Basti, Natun Denga, Rongmili	270	210	60	Nil	Nil	Nil	210	60	

Rongtarea	35	30	5	Nil	Nil	Nil	30	5
Total	2444	504	1940				504	1940
Rongheh Kro Gaon, Rongchek engti Gaon, Long Ponpi Hanse gaon, Umdap Engti Gaon	275	268	7	Nil	Nil	Nil	268	7
Rongmandu engti Gaon, Rongmandu Ronghang Gaon, Umphanchi Gaon	290	282	8	Nil	Nil	Nil	282	8
Maidum Khasi Gaon, Umat part-I and part-ii, Peudentali	325	312	13	Nil	Nil	Nil	312	13
Nilapur, Terang Basti, Natun Bazar, Hemari Basti	70	65	5	Nil	Nil	Nil	65	6
Mowsaldiang, Umsaphow, Mowbrow, Nepali	317	209	108	Nil	Nil	Nil	209	108
Sitalong Nepali, Sitalang Khashia, Kobinde Basti	1360	1156	204	Nil	Nil	Nil	1156	204
Umroo	242	210	32	Nil	Nil	Nil	210	32
Patikindik, Rongjangphong, Achongkimi, Patimukha pt-I, Mokindor, Deheng, Habaiengti	1120	980	140	Nil	Nil	Nil	980	140
Inglang Ali Village, Khatomari Village, Rongpi Gaon, Rongphar gaon	110	95	15	Nil	Nil	Nil	95	15
Odialangso, Kokalangso, Bey Gaon, Bongs Basti, Biparav, Zengtong R-too village	210	153	57	Nil	Nil	Nil	153	57
Hapialow, Umphu, Chekphybong	210	175	35	Nil	Nil	Nil	175	35
Ridung, Ummat	66	60	6	Nil	Nil	Nil	60	6
Harlongjove	250	210	40	Nil	Nil	Nil	210	40
Minder Village, Longpai, Bey Gaon, Ronghang	350	350	0	Nil	Nil	Nil	350	0
Bey Gaon, Kokalungso, Biparay, Lengri (pt)	92	85	7	Nil	Nil	Nil	85	7
Rongmandu engti Gaon, Rongmandu Ronghang Gaon, Longsek Gaon, Umphanchi Gaon	290	280	10	Nil	Nil	Nil	280	10
Longre, Sinall Gaon, Umro (pt)	96	85	11	Nil	Nil	Nil	85	11
Song Ronghang Gaon, Harsing Teron Gaon, Sitar Teron Gaon, Chandrasing Teron Gaon	148	148		Nil	Nil	Nil	0	148
Hanse Gaon, Rongpher Gaon, Engti Gaon, Engti Amri Gaon	340	326	14	Nil	Nil	Nil	326	14
Pusnpura Village, Chenar, Bey Gaon	250	210	40	Nil	Nil	Nil	210	40
Phangcho Gaon, Umtili, Mission Centre, Habe Gaon, Harlong	430	400	30	Nil	Nil	Nil		
Longpai Teron Gaon, Rongpi Gaon, Chrestan gaon, Longkircha Gaon, Socheng Gaon, Minder Gaon	250	220	30	Nil	Nil	Nil	220	30
Amlong Christian Gaon, Niz-rongkhang, Ehekphubong, Amlong Gaon	312	305	7	Nil	Nil	Nil	305	7
Sanar Gaon pt-I & ii, Engti Gaon, Kramsa Gaon ppt I & ii	172	160	12	Nil	Nil	Nil	160	12
Umsarang, Roman, Rongman Umsarang, Umtili Village	795	675	120	Nil	Nil	Nil		
Umrso gaon, Ruggia Gaon, Nepali Karbi Gaon, Mawsalding	315	290	25	Nil	Nil	Nil	290	25
Total	8685	7561	1124				7561	1124

TA: Total Area, DA: Developed Area, UDA: Undeveloped Area, DC: Developed Command, UDC: Undeveloped Command

3.4 Existing Type of Irrigation

Table 0.4 Status of sources of irrigation in Karbi Anglong

Block	Source of irrigation	Canal Based Irrigation	Electricity Pump
Rongkhang	FIS	84	12
	Command Area (Ha)	15842	890
Langsomipi	FIS	16	12
	Command Area (Ha)	2515	890
Samelangso	FIS	20	12
	Command Area (Ha)		890
Nilip	FIS	11	
	Command Area (Ha)	1460	
Howraghat	FIS	14	
	Command Area (Ha)	5022	
Rongmongwe 1	FIS	11	
	Command Area (Ha)	2444	
Rongmongwe 2	FIS	26	
	Command Area (Ha)	7561	

Chapter 4

Water Requirement /Demand

The earlier Chapters deal with the general profile, water profile and water availability of Karbi Anglong district. The present chapter deals with the current and projected 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 1.768%. Current and projected population has been calculated by assuming the same growth rate.

It has been assumed that per capita daily water requirement of people residing in urban and rural areas of the district is approximately 135 litres. Using the same norms, block-wise domestic water supply demand has been worked out and is given in table 4.1 below.

Table 0.1: Domestic Water Demand (MCM)

Blocks	2011 CP	Population in 2016	Present Water Requirement (2016)	Projected Population in 2020	Annual Water Requirement in 2020
Amri	45573	49,579	2.4	53065	2.6
Chinthong	46553	50,645	2.5	54206	2.7
Rongkhang	158035	171,926	8.5	184016	9.1
Socheng	27334	29,737	1.5	31828	1.6
Lumbajong	93914	102,169	5.0	109354	5.4
Bokajan	142409	154,927	7.6	165821	8.2
Howraghat	133116	144,817	7.1	155000	7.6
Samelangso	63869	69,483	3.4	74369	3.7
Langsomepi	55157	60,005	3.0	64225	3.2
Rongmongwe	32773	35,654	1.8	38161	1.9
Nilip	50057	54,457	2.7	58286	2.9
Hamren (TC)	8747	9,516	0.5	10185	0.5
Donkamokam (TC)	14594	15,877	0.8	16993	0.8
Diphu (TC)	61797	67,229	3.3	71956	3.5
Bokajan (TC)	19877	21,624	1.1	23145	1.1
L N Bosti (CT)	2508	2,728	0.1	2920	0.1
Total	956313	1,040,373	51.3	1113532	54.9

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 54.9 MCM which is 3.6 MCM more than the present water requirement.

4.2 Crop Water Requirement

Area under different crops has been discussed in Chapter 2 (Table 2.2). Taking into account, the water requirement for different crops have been worked out and presented in table below.

Table 0.2: Crop Water Requirement in Million Cubic Meter

District	Area sown (Ha)	Irrigated area (ha)	Crop Water Demand	Water Potential Required	Existing Water Potential	Water Potential to be created
Karbi Anglong	361525	249640	1808	1808	1248	559.43

It can be concluded from the table that a total water potential of 559.43MCM is to be created in the district to fulfill the requirement of crops.

4.3 Livestock

The estimation for livestock water demand for Karbi Anglong is as follows;

Table 0.3: Livestock water demand (in MCM)

Block	Total number of livestock	Present water demand (MCM)	Water Demand in 2020 (MCM)	Existing water potential (MCM)*	Water potential to be created (MCM)
Karbi Anglong	229346	18.259	20.085	18.259	1.826

** it is assumed that present water requirement of animal is met from existing water usage and hence existing potential is equal to existing demand.*

The total water requirement for livestock is 18.26 MCM which will be 20.1 MCM during 2020 (assuming a growth of 10% in livestock by 2020).

4.4 Industrial Water Requirement

District is industrially backward hence there is no assessment of industrial water requirement.

Table 0.4: Industrial water requirement

District	Name of the Industry	Water Demand	Water Demand in 2020	Existing Water Potential	Water Potential to be created
Karbi Anglong	NA	0	0	0	0

4.5 Water Demand for Power Generation

The district is not having any thermal or nuclear power plant where water may be consumed. Therefore, demand of water for power generation has been taken as nil.

Table 0.5: Water Demand of the district for Power

District	Power Requirement (MW)	Water Demand	Water Demand in 2020	Existing Water Potential	Water Potential to be created

Karbi Anglong	NA	NA	NA	NA	NA
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4.6 Water Demand of the district for various sectors

Table 0.6: Water Demand of the district for various sectors (in 2020)

Blocks	Demand from components (MCM)					Total
	Domestic	Crop	Livestock	Industrial	Power Generation	
Karbi Anglong	4.5	1807.63	20.1	-		1832.2

4.7 Water budget

Table 0.7: Water Budget (in MCM)

Blocks	Existing water availability		Total	Water Demand		Water Gap	
	Surface Water	Ground Water		Present	Projected (2020)	Present	Projected (2020)
Karbi Anglong	16630	NA	16630	1830	1832	Nil	Nil

It has been found that the water potential available in Karbi Anglong district is more than the requirement. However, there is need to make available the existing potential to various sector through interventions which has been presented in chapter-5.

Chapter 5

Strategic Action Plan for Irrigation in District under PMKSY

5.1 Department wise plan

Analysis of PMKSY plan (Table5.1) for the period from 2016-17 to 2019-20 indicates that Irrigation Department has the maximum share of Rs 344522.11 lakh(78%). This is followed by Soil Conservation Department amounting to Rs. 53213.13 lakh. DRDA and Agriculture departments have plans of Rs. 36482.50 lakh and Rs. 10337.5 lakh respectively.

Table 0.1: Department-wise plan (in Rs. Lakh)

Department	2016-17	2017-18	2018-19	2019-20	Total
Agriculture	1033.75	3101.25	3101.25	3101.25	11616.25
DRDA	3648.25	10944.75	10944.75	10944.75	36482.50
Soil Conservation	5321.313	15963.94	15963.94	15963.9387	62009.86
Irrigation	34452.21	103356.6	103356.6	103356.6342	460689.08
Total	44455.52	133366.57	133366.57	133366.57	570796.70

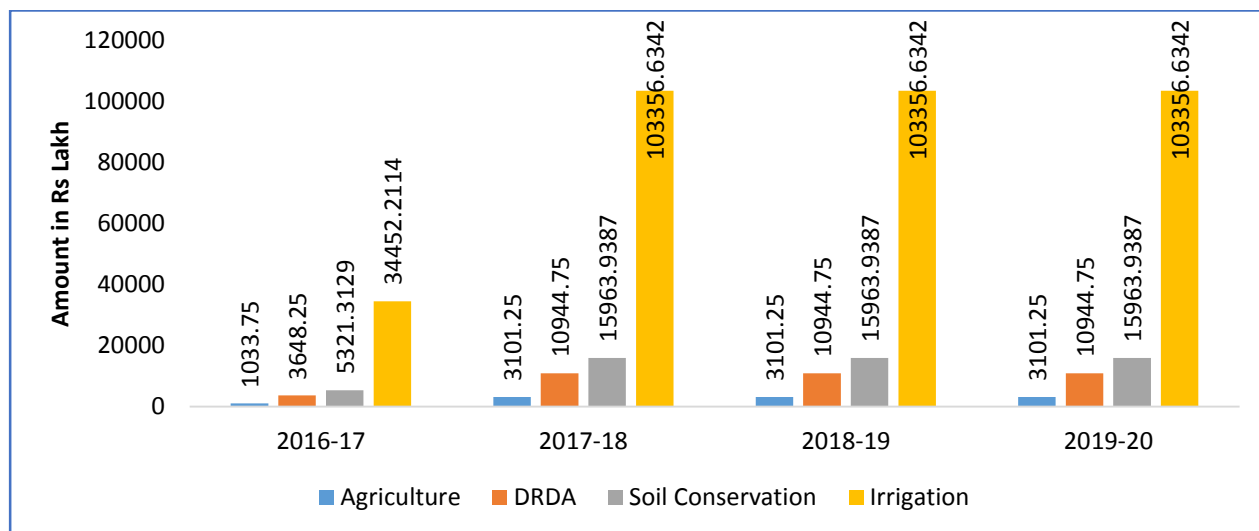


Figure 0.1: Year wise Department wise PMKSY Plan of Karbi Anglong District

5.2 Component wise plan

As discussed in introductory chapter about various components of PMKSY, the plan is prepared accordingly. Table 5.2 shows component wise plan for 4 years starting from 2016-17 to 2019-20. The plan has been proposed for four components only (HKKP, PDMC, Watershed and Convergence).

Table 0.2: Component wise plan

Component	2016-17	2017-18	2018-19	2019-20	Total
HKKP	34452.21	103356.63	103356.63	103356.63	344522.11
PDMC	1033.75	3101.25	3101.25	3101.25	10337.50
Watershed	7590.06	22770.19	22770.19	22770.19	75900.63
Convergence	1379.50	4138.50	4138.50	4138.50	13795.00
Total	44455.52	133366.57	133366.57	133366.57	444555.24

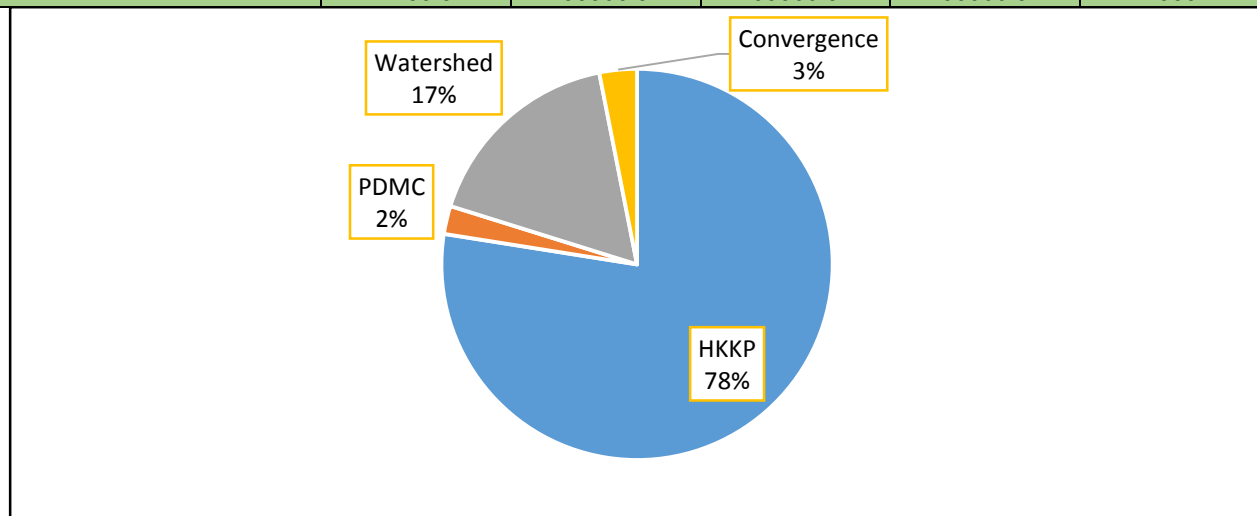


Figure 0.2: Component wise plan under PMKSY

Har Khet Ko Pani is the largest component in Karbi Anglong as 78% of the total outlay has been proposed under this component. The share of Watershed is to the tune of 17% while convergence and Per Drop More Crop have shares of 3% and 2% respectively in total outlay proposed.

5.3 Block wise Plan

Block wise proposed outlay is given in table below.

Table 0.3: Block wise year wise PMKSY Plan of Karbi Anglong District

Blocks	2016-17	2017-18	2018-19	2019-20	Total
Howaghat	2295.33	6886.00	6886.00	6886.00	22953.33
Rongbongwee	2746.96	8240.88	8240.88	8240.88	27469.59
Samelangso	2711.49	8134.48	8134.48	8134.48	27114.93
Bokajan	4780.38	14341.13	14341.13	14341.13	47803.77
Langsomepi	2766.80	8300.41	8300.41	8300.41	27668.03
Lumbajong	6294.33	18882.98	18882.98	18882.98	62943.27
Chingthong	2352.15	7056.44	7056.44	7056.44	23521.45

Socheng	12895.54	38686.62	38686.62	38686.62	128955.40
Amri	1368.92	4106.75	4106.75	4106.75	13689.18
Rongkhang	4216.33	12648.99	12648.99	12648.99	157910.27
Nilip	2027.30	6081.90	6081.90	6081.90	20273.00
Total	44455.52	133366.57	133366.57	133366.57	570797.69

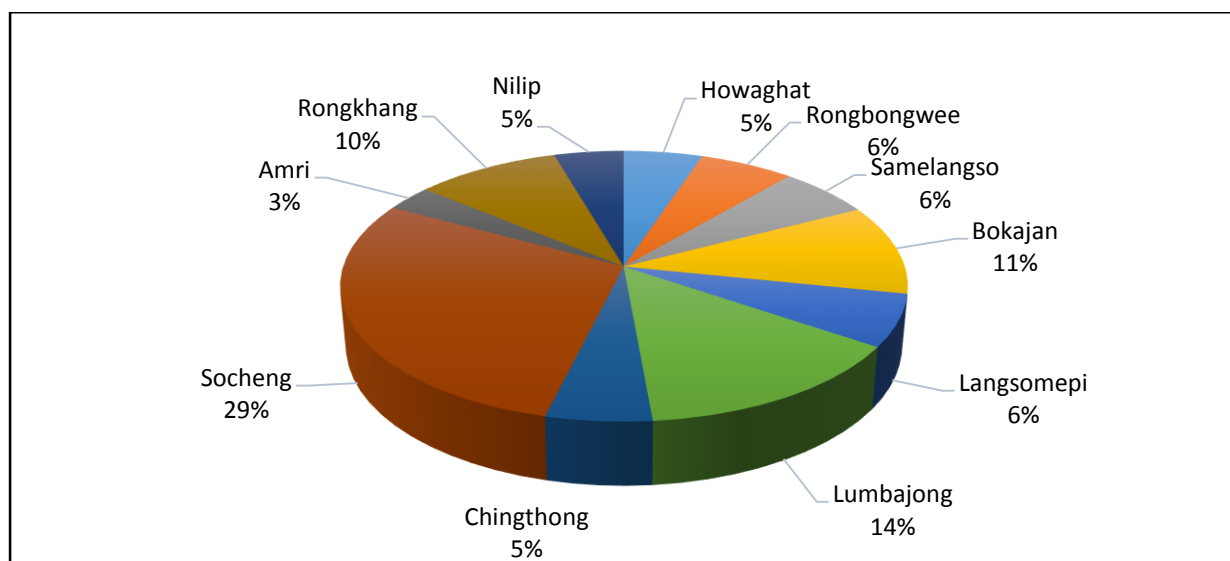


Figure 0.3: Year wise block wise PMKSY Plan of Karbi Anglong District

5.7 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.
- Agriculture and Horticulture Department should take micro irrigation projects in the command of minor irrigation projects completed or likely to be completed in near future.
- 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.



District Irrigation Plan, Karbi Anglong

ANNEXURE – 1: Block Wise Strategic Action Plan under PMKSY

District Irrigation Plan, Karbi Anglong

Sl. No.	Name of the Blocks/Sub District	Concerned Ministry/ Department	Component	Activity	Total Number/Capacity (Cum)	Command Area/Irrigation Potential (Ha)	Period of Implementation (5/7 Yrs)	Estimated cost (In Rs.) in Laks
(A) Ongoing Scheme (Completed)								
1	Rongkhang Block/Karbi Anglong	MoWR	Rengthama I.S	Surface Water Development	0.51	268	1	398.28
2	Rongkhang Block/Karbi Anglong	MoWR	Upper Rengthema I.S	Surface Water Development	0.43	225	1	331.21
3	Rongkhang Block/Karbi Anglong	MoWR	Latharu I.S	Surface Water Development	0.72	380	1	980.00
4	Rongkhang Block/Karbi Anglong	MoWR	Ghilami M.I Scheme (Ph-II)	Surface Water Development	0.63	330	1	799.27
5	Rongkhang Block/Karbi Anglong	MoWR	North Bhelapara I.S	Surface Water Development	0.43	225	1	208.00
6	Rongkhang Block/Karbi Anglong	MoWR	East Bhelapara I.S	Surface Water Development	0.29	150	1	98.39
7	Rongkhang Block/Karbi Anglong	MoWR	Sitalijan I.S	Surface Water Development	0.99	520	1	1,297.17
8	Rongkhang Block/Karbi Anglong	MoWR	Watiur silveta I/S	Surface Water Development	0.55	290	1	431.39
9	Rongkhang Block/Karbi Anglong	MoWR	Thongia I/S	Surface Water Development	0.32	170	1	186.00
10	Rongkhang Block/Karbi Anglong	MoWR	Sersing I/S	Surface Water Development	0.26	137	1	111.42
11	Rongkhang Block/Karbi Anglong	MoWR	Wahamlangsu I/S	Surface Water Development	0.00		1	252.13
12	Rongkhang Block/Karbi Anglong	MoWR	Bak Bey I/S	Surface Water Development	0.35	185	1	266.97
13	Rongkhang Block/Karbi Anglong	MoWR	Vatralangso Tiny I/S	Surface Water Development	0.13	68	1	58.40
14	Rongkhang Block/Karbi Anglong	MoWR	Rongkhelon I/S	Surface Water Development	0.39	205	1	297.37
15	Rongkhang Block/Karbi Anglong	MoWR	Deralok I/S	Surface Water Development	0.28	145	1	128.97
16	Rongkhang Block/Karbi Anglong	MoWR	Chali Engleng Gaon I/S	Surface Water Development	0.38	198	1	3,068.97
17	Rongkhang Block/Karbi Anglong	MoWR	Rangkuru I/S	Surface Water Development	0.23	120	1	123.49
18	Rongkhang Block/Karbi Anglong	MoWR	Deramukam I/S Ph-II	Surface Water Development	0.39	205	1	250.00
19	Rongkhang Block/Karbi Anglong	MoWR	Upper Sarlangchar I/S	Surface Water Development	0.38	198	1	2,942.78
20	Rongkhang Block/Karbi Anglong	MoWR	Improvement of Derajuri I/S	Surface Water Development	0.53	280	1	412.44
21	Rongkhang Block/Karbi Anglong	MoWR	Lower Barman Phangso Gaon I/S	Surface Water Development	0.56	294	1	440.04
22	Rongkhang Block/Karbi Anglong	MoWR	Ninding Tank I/S	Surface Water Development	0.30	160	1	113.92
23	Rongkhang Block/Karbi Anglong	MoWR	Karbi-Rongsopi tank I/S	Surface Water Development	0.44	230	1	344.74
24	Rongkhang Block/Karbi Anglong	MoWR	Lower Mengaon I/S	Surface Water Development	1.16	610	1	900.56
25	Rongkhang Block/Karbi Anglong	MoWR	Harlongchebat I/S	Surface Water Development	0.36	189	1	281.84
26	Rongkhang Block/Karbi Anglong	MoWR	Krogaon I/S	Surface Water Development	0.36	190	1	273.30
27	Rongkhang Block/Karbi Anglong	MoWR	Extention and improvement of Rongmando I/S	Surface Water Development	0.86	455	1	285.02
28	Rongkhang Block/Karbi Anglong	MoWR	Langkeding I/S	Surface Water Development	0.28	148	1	196.71
29	Rongkhang Block/Karbi Anglong	MoWR	Bey Gaon I/S	Surface Water Development	0.30	160	1	133.87
30	Rongkhang Block/Karbi Anglong	MoWR	Killing I/S (ph-II)	Surface Water Development	0.32	170	1	400.00
31	Rongkhang Block/Karbi Anglong	MoWR	Rikomnihom I/S (ph-II)	Surface Water Development	0.36	190	1	450.00
32	Rongkhang Block/Karbi Anglong	MoWR	Lower Mengaon I/S (ph-	Surface Water Development	0.48	250	1	600.00

District Irrigation Plan, Karbi Anglong

				II)					
33	Rongkhang Block/Karbi Anglong	MoWR	Khanajan DTW	Ground Water Development	0.04	21	1	35.08	
34	Rongkhang Block/Karbi Anglong	MoWR	Deramukh (Engti gaon) DTWS	Ground Water Development	0.02	13	1	35.13	
35	Rongkhang Block/Karbi Anglong	MoWR	Deramukh(Dimasagaon) DTWS	Ground Water Development	0.03	15	1	32.97	
36	Rongkhang Block/Karbi Anglong	MoWR	Phangtengpharang DTWS	Ground Water Development	0.04	20	1	25.64	
37	Rongkhang Block/Karbi Anglong	MoWR	Masaka DTWS	Ground Water Development	0.02	13	1	24.2	
38	Rongkhang Dev. Block	MoWR	Nam Taradubi DTW	Ground Water Development	0.048	25	1	112.25	
(B) Revival of Defunct/Inoperative/partially operative									
1	Rongkhang Dev. Block	MoWR	Zenkru I/S	Surface water development	0.171	90	1	133.02	
2	Rongkhang Dev. Block	MoWR	Wahzur silveta I/S	Surface water development	0.5415	285	3	426.32	
3	Rongkhang Dev. Block	MoWR	Langchitting I/S	Surface water development	0.3762	198	2	290.05	
4	Rongkhang Dev. Block	MoWR	Imp. Of Chengbong I/S	Surface water development	0.3762	198	2	98.06	
5	Rongkhang Dev. Block	MoWR	Rongmando I/S ph-II	Surface water development	0.855	450	3	285.02	
6	Rongkhang Dev. Block	MoWR	Serlongsor I/S Ph-II	Surface water development	0.3895	205	2	249.44	
7	Rongkhang Dev. Block	MoWR	Menmezi I/S	Surface water development	0.2185	115	1	67.43	
8	Rongkhang Dev. Block	MoWR	Nyngkhilai Tiny I/S	Surface water development	0.0798	42	1	46.94	
9	Rongkhang Dev. Block	MoWR	Deramokumi I/S	Surface water development	0.0418	22	1	51.30	
10	Rongkhang Dev. Block	MoWR	Extension of Deraguri I/S	Surface water development	0.57	300	2	402.08	
11	Rongkhang Dev. Block	MoWR	Dongmeri tank I/S	Surface water development	0.3686	194	2	284.40	
12	Rongkhang Dev. Block	MoWR	Langmet I/S	Surface water development	0.3325	175	2	205.53	
13	Rongkhang Dev. Block	MoWR	Vatranlangso Tiny I/S	Surface water development	0.1292	68	1	60.40	
14	Rongkhang Dev. Block	MoWR	Presee I/S	Surface water development	0.152	80	1	90.53	
15	Rongkhang Dev. Block	MoWR	Bey Gaon I/S	Surface water development	0.304	160	2		
16	Rongkhang Dev. Block	MoWR	Chabi Engleng I/S	Surface water development	0.3762	198	2	306.89	
17	Rongkhang Dev. Block	MoWR	Bihendra I/S	Surface water development	0.2755	145	2	306.89	
18	Rongkhang Dev. Block	MoWR	Kabung Gaon I/S (ph-II)	Surface water development	0.3895	205	2	250.00	
19	Rongkhang Block/Karbi Anglong	MoWR	Methekadong I.S	Surface Water Development	0.27	144	3	135.30	
20	Rongkhang Block/Karbi Anglong	MoWR	Extension and Modernisation of Borpani L.I.S	Surface Water Development	1.63	860	3	196.00	

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21	Rongkhang Block/Karbi Anglong	MoWR	Langteroi I.S	Surface Water Development	0.19	98	1	145.00
22	Rongkhang Block/Karbi Anglong	MoWR	Nokterang I.S	Surface Water Development	0.27	144	1	99.75
23	Rongkhang Block/Karbi Anglong	MoWR	Taralangso I.S	Surface Water Development	0.62	325	1	400.65
24	Rongkhang Block/Karbi Anglong	MoWR	Borthal I.S	Surface Water Development	0.63	330	1	293.80
25	Rongkhang Block/Karbi Anglong	MoWR	Methakadong I.S	Surface Water Development	0.26	138	1	135.30
26	Rongkhang Block/Karbi Anglong	MoWR	Chitunglangso I,S	Surface Water Development	0.15	79	1	150.00
27	Rongkhang Block/Karbi Anglong	MoWR	Upper Langkagtang	Surface Water Development	0.35	185	1	255.67
28	Rongkhang Block/Karbi Anglong	MoWR	Langkhangtang I.S	Surface Water Development	0.33	172	1	69.69
29	Rongkhang Block/Karbi Anglong	MoWR	Bogorigaon I.S	Surface Water Development	0.33	175	1	244.26
30	Rongkhang Block/Karbi Anglong	MoWR	Linchika I.S	Surface Water Development	0.11	60	1	47.89
31	Rongkhang Block/Karbi Anglong	MoWR	Karbi Rongsopi I.S	Surface Water Development	0.07	35	1	79.94
32	Rongkhang Block/Karbi Anglong	MoWR	Upper Langhan I.S	Surface Water Development	0.30	160	1	144.78
33	Rongkhang Block/Karbi Anglong	MoWR	Sarsenot I.S	Surface Water Development	0.71	374	1	934.69
34	Rongkhang Block/Karbi Anglong	MoWR	Hanthon Gaon I.S	Surface Water Development	0.50	263	1	656.27
35	Rongkhang Block/Karbi Anglong	MoWR	PIF by STW at West K.A District =50 points	Ground Water Development	0.14	75	1	2.96
36	Rongkhang Block/Karbi Anglong	MoWR	PIF by STW at Shildubi &Bagari ghat area = 20 nos	Ground Water Development	0.06	30	1	8.91
37	Rongkhang Block/Karbi Anglong	MoWR	PIF by STW at Rengthema Bithung Garo area =20 points	Ground Water Development	0.04	23	1	5.49
38	Rongkhang Block/Karbi Anglong	MoWR	PIF by STW at Jengkha Area=20 points	Ground Water Development	0.06	30	1	8.91
39	Rongkhang Block/Karbi Anglong	MoWR	PIF by STW at Satgaon area= 20 points	Ground Water Development	0.06	30	1	8.91
40	Rongkhang Block/Karbi Anglong	MoWR	PIF by STW at west K.A Bithung Rengthema area= 30 points	Ground Water Development	0.06	30	1	10.98
41	Rongkhang Block/Karbi Anglong	MoWR	Boring and installation of DTWS at satgaon area = 2 points	Ground Water Development	0.13	67	1	190.73
42	Rongkhang Block/Karbi Anglong	MoWR	Jiribasa DTWS	Ground Water Development	0.03	15	1	34.19
43	Rongkhang Block/Karbi Anglong	MoWR	to provide Irrigation facility by DTW at different areas of Amreng MAC (a) Artukekang DTWS	Ground Water Development	0.06	30	1	383.07
44	Rongkhang Block/Karbi Anglong	MoWR	To provide Irrigation facility by DTW at different areas of kopili MAC (a) Hanthorgaon	Ground Water Development	0.06	30	1	383.17

District Irrigation Plan, Karbi Anglong

			DTWs					
45	Rongkhang Block/Karbi Anglong	MoWR	Lingding Jaljuri I.S	Surface Water Development	0.21	110	1	79.98
46	Rongkhang Block/Karbi Anglong	MoWR	Langmektu	Surface Water Development	0.21	110	1	94.67
47	Rongkhang Block/Karbi Anglong	MoWR	CAD to Taradubi L.I.S	Surface Water Development	0.95	500		98.11
48	Rongkhang Block/Karbi Anglong	MoWR	Langmingso I.S	Surface Water Development	0.32	170		106.91
49	Rongkhang Block/Karbi Anglong	MoWR	CAD to North Bhelapara I/S (Ph-I)	Surface Water Development	0.43	225		106.31
50	Rongkhang Block/Karbi Anglong	MoWR	Kollonga I.S (Renovation and Extension of Canal System)	Surface Water Development	3.69	1940		145.00
51	Rongkhang Block/Karbi Anglong	MoWR	Tumpreng Lift Irrigation Scheme	Surface Water Development	1.26	665		112.18
52	Rongkhang Block/Karbi Anglong	MoWR&GR	Extension to Memejs I.S	Surface Water Development	0.22	115		14.95
53	Rongkhang Block/Karbi Anglong	MoWR&GR	Langmehok	Surface Water Development	0.40	210		273.80
54	Rongkhang Block/Karbi Anglong	MoWR&GR	Punja-Hidipi (Pac-I)	Surface Water Development	0.00			759.75
55	Rongkhang Block/Karbi Anglong	MoWR&GR	CAD to Taradubi L.I.S	Surface Water Development	0.95	500		98.11
56	Rongkhang Block/Karbi Anglong	MoWR&GR	Langmingso I.S	Surface Water Development	0.28	146		106.91
57	Rongkhang Block/Karbi Anglong	MoWR&GR	CAD to North Bhelapara I.S (Ph-I)	Surface Water Development	0.43	225		106.31
58	Rongkhang Block/Karbi Anglong	MoWR&GR	Kollonga I.S (Renovation and Extension of Canal System)	Surface Water Development	0.00			145.00
59	Rongkhang Block/Karbi Anglong	MoWR&GR	Improvement of Nakchamlangso I.S	Surface Water Development	0.00			111.83
60	Rongkhang Block/Karbi Anglong	MoWR&GR	Renovation and Improvement of Tumpreng LIS	Surface Water Development	0.08	40		50.00
61	Rongkhang Block/Karbi Anglong	MoWR&GR	Improvement of Mugachung Bithung	Surface Water Development	0.29	152.25		
62	Rongkhang Dev. Block	MoWR&GR	Langchiling IS	Surface Water Development	0.00	0.114		198
63	Rongkhang Dev. Block	MoWR&GR	Langmet IS	Surface Water Development	0.00	0.171		160
64	Rongkhang Dev. Block	MoWR&GR	Barman Enghee IS	Surface Water Development	0.00	0.057		225
65	Rongkhang Dev. Block	MoWR&GR	Rongkhelon i/S	Surface Water Development	0.00	0.057		205
66	Rongkhang Dev. Block	MoWR&GR	Khorsing IS	Surface Water Development	0.00	0.057		130
67	Rongkhang Dev. Block	MoWR&GR	Upper sarlong chor IS	Surface Water Development	0.00	0.057		198
68	Rongkhang Dev. Block	MoWR&GR	Kabong Gaon IS	Surface Water Development	0.00	0.057		205
69	Rongkhang Dev. Block	MoWR&GR	Ronkuru I/S	Surface Water Development	0.00			160
70	Rongkhang Dev. Block	MoWR&GR	Krogaon I/S	Surface Water Development	0.00			190
71	Rongkhang Dev. Block	MoWR&GR	Tiss Ronghang Gaon	Surface Water Development	0.00			236

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			I/S					
72	Rongkhang Dev. Block	MoWR&GR	Waham langse Tiny I/S	Surface Water Development	0.00			18
73	Rongkhang Dev. Block	MoWR&GR	Nong kerela Tiny I/S	Surface Water Development	0.00			90
74	Rongkhang Dev. Block	MoWR&GR	Bey Gaon I/S	Surface Water Development	0.00			160
75	Rongkhang Dev. Block	MoWR&GR	Lower Telehor I/S	Surface Water Development	0.00			
76	Rongkhang Dev. Block	MoWR&GR	Telehar I/S	Surface Water Development	0.00			210
77	Rongkhang Dev. Block	MoWR&GR	Kro Gaon I/S (ph-II)	Surface Water Development	0.00			250
78	Rongkhang Dev. Block	MoWR&GR	Thongja I/S (ph-II)	Surface Water Development	0.00			150
79	Rongkhang Dev. Block	MoWR&GR	Bak-Bay I/S (ph-II)	Surface Water Development	0.00			190
80	Rongkhang Dev. Block	MoWR&GR	Parpang kro I/S	Surface Water Development	0.00			227
81	Rongkhang Dev. Block	MoWR&GR	Amlet I/S	Surface Water Development	0.00			325
82	Rongkhang Dev. Block	MoWR&GR	Ronghidi Longkar-om tank I/S	Surface Water Development	0.00			235
83	Rongkhang Dev. Block	MoWR&GR	Dong mepi Bey gaon tank I/S	Surface Water Development	0.00			446
84	Rongkhang Dev. Block	MoWR&GR	Phang hunnter I/S	Surface Water Development	0.00			154
85	Rongkhang Dev. Block	MoWR&GR	Hingarlang I/S	Surface Water Development	0.00			260
(C) New Schemes (HAR KHET KO PANI)								
1	Rongkhang Dev. Block	MoWR	Doloni DTW	Ground Water Development	0.048	25	1	112.25
2	Rongkhang Dev. Block	MoWR	Hanthor Teron DTW	Ground Water Development	0.048	25	1	112.25
3	Rongkhang Dev. Block	MoWR	Kheroni Majbosti DTW	Ground Water Development	0.048	25	1	112.25
4	Rongkhang Dev. Block	MoWR	Rupal Chith DTW	Ground Water Development	0.048	25	1	112.25
5	Rongkhang Dev. Block	MoWR	Bali Gaon STW	Ground Water Development	0.003	1.8	1	1.8
6	Rongkhang Dev. Block	MoWR	Bithung Rengthema STW	Ground Water Development	0.003	1.8	1	1.8
7	Rongkhang Dev. Block	MoWR	Cheng Bong STW	Ground Water Development	0.003	1.8	1	1.8
8	Rongkhang Dev. Block	MoWR	Ganga Nagar Village STW	Ground Water Development	0.003	1.8	1	1.8
9	Rongkhang Dev. Block	MoWR	Harsing Bey Gaon STW	Ground Water Development	0.003	1.8	1	1.8
10	Rongkhang Dev. Block	MoWR	Kabon Arong Village STW	Ground Water Development	0.003	1.8	1	1.8
11	Rongkhang Dev. Block	MoWR	Lulu ma ri Village STW	Ground Water Development	0.003	1.8	1	1.8
12	Rongkhang Dev. Block	MoWR	Rongjamir Village STW	Ground Water Development	0.003	1.8	1	1.8
13	Rongkhang Dev. Block	MoWR	Pongkuroi Village STW	Ground Water Development	0.003	1.8	1	1.8
14	Rongkhang Dev. Block	MoWR	Sampathar Village STW	Ground Water Development	0.003	1.8	1	1.8

RONGKHAND BLOCK

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Sl. No.	Name of the Blocks/Sub District	Component
(A) Ongoing Scheme		
1	Rongkhang Block/Karbi Anglong	Rengthama I.S
2	Rongkhang Block/Karbi Anglong	Upper Rengthema I.S
3	Rongkhang Block/Karbi Anglong	Latharu I.S
4	Rongkhang Block/Karbi Anglong	Ghilami M.I Scheme (Ph-II)
5	Rongkhang Block/Karbi Anglong	North Bhelapara I.S
6	Rongkhang Block/Karbi Anglong	East Bhelapara I.S
7	Rongkhang Block/Karbi Anglong	Sitalijan I.S
8	Rongkhang Block/Karbi Anglong	Watiur silveta I/S
9	Rongkhang Block/Karbi Anglong	Thongia I/S
10	Rongkhang Block/Karbi Anglong	Sersing I/S
11	Rongkhang Block/Karbi Anglong	Wahamlangsu I/S
12	Rongkhang Block/Karbi Anglong	Bak Bey I/S
13	Rongkhang Block/Karbi Anglong	Vatralangso Tiny I/S
14	Rongkhang Block/Karbi Anglong	Rongkhelon I/S
15	Rongkhang Block/Karbi Anglong	Deralok I/S
16	Rongkhang Block/Karbi Anglong	Chali Engleng Gaon I/S
17	Rongkhang Block/Karbi Anglong	Rangkuru I/S
18	Rongkhang Block/Karbi Anglong	Deramukam I/S Ph-II
19	Rongkhang Block/Karbi Anglong	Upper Sarlangchar I/S
20	Rongkhang Block/Karbi Anglong	Improvement of Derajuri I/S
21	Rongkhang Block/Karbi Anglong	Lower Barman Phangso Gaon I/S
22	Rongkhang Block/Karbi Anglong	Ninding Tank I/S
23	Rongkhang Block/Karbi Anglong	Karbi-Rongsopi tank I/S
24	Rongkhang Block/Karbi Anglong	Lower Mengaon I/S
25	Rongkhang Block/Karbi Anglong	Harlongchebat I/S
26	Rongkhang Block/Karbi Anglong	Krogaon I/S
27	Rongkhang Block/Karbi Anglong	Extention and improvement of Rongmando I/S
28	Rongkhang Block/Karbi Anglong	Langkeding I/S
29	Rongkhang Block/Karbi Anglong	Bey Gaon I/S
30	Rongkhang Block/Karbi Anglong	Killing I/S (ph-II)
31	Rongkhang Block/Karbi Anglong	Rikomnihom I/S (ph-II)
32	Rongkhang Block/Karbi Anglong	Lower Mengaon I/S (ph-II)
33	Rongkhang Block/Karbi Anglong	Khanajan DTW
34	Rongkhang Block/Karbi Anglong	Deramukh (Engti gaon) DTWS
35	Rongkhang Block/Karbi Anglong	Deramukh(Dimasagaon) DTWS
36	Rongkhang Block/Karbi Anglong	Phangtengpharang DTWS
37	Rongkhang Block/Karbi Anglong	Masaka DTWS
38	Rongkhang Dev. Block	Nam Taradubi DTW
(B) Revival of Defunct/Inoperative/patially operative		

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1	Rongkhang Dev. Block	Zenkru I/S
2	Rongkhang Dev. Block	Wahzur silveta I/S
3	Rongkhang Dev. Block	Langchitting I/S
4	Rongkhang Dev. Block	Imp. Of Chengbong I/S
5	Rongkhang Dev. Block	Rongmando I/S ph-II
6	Rongkhang Dev. Block	Serlongsor I/S Ph-II
7	Rongkhang Dev. Block	Menmezi I/S
8	Rongkhang Dev. Block	Nyngkhillai Tiny I/S
9	Rongkhang Dev. Block	Deramokumi I/S
10	Rongkhang Dev. Block	Extension of Deraguri I/S
11	Rongkhang Dev. Block	Dongmeri tank I/S
12	Rongkhang Dev. Block	Langmet I/S
13	Rongkhang Dev. Block	Vatranlangso Tiny I/S
14	Rongkhang Dev. Block	Presee I/S
15	Rongkhang Dev. Block	Bey Gaon I/S
16	Rongkhang Dev. Block	Chabi Engleng I/S
17	Rongkhang Dev. Block	Bihendra I/S
18	Rongkhang Dev. Block	Kabung Gaon I/S (ph-II)
19	Rongkhang Block/Karbi Anglong	Methekadong I.S
20	Rongkhang Block/Karbi Anglong	Extension and Modernisation of Borpani L.I.S
21	Rongkhang Block/Karbi Anglong	Langteroi I.S
22	Rongkhang Block/Karbi Anglong	Nokterang I.S
23	Rongkhang Block/Karbi Anglong	Taralangso I.S
24	Rongkhang Block/Karbi Anglong	Borthal I.S
25	Rongkhang Block/Karbi Anglong	Methakadong I.S
26	Rongkhang Block/Karbi Anglong	Chitunglangso I,S
27	Rongkhang Block/Karbi Anglong	Upper Langkagtang
28	Rongkhang Block/Karbi Anglong	Langkhangtang I.S
29	Rongkhang Block/Karbi Anglong	Bogorigaon I.S
30	Rongkhang Block/Karbi Anglong	Linchika I.S
31	Rongkhang Block/Karbi Anglong	Karbi Rongsopi I.S
32	Rongkhang Block/Karbi Anglong	Upper Langhan I.S
33	Rongkhang Block/Karbi Anglong	Sarsenot I.S
34	Rongkhang Block/Karbi Anglong	Hanthon Gaon I.S
35	Rongkhang Block/Karbi Anglong	PIF by STW at West K.A District =50 points
36	Rongkhang Block/Karbi Anglong	PIF by STW at Shildubi &Bagari ghat area = 20 nos
37	Rongkhang Block/Karbi Anglong	PIF by STW at Rengthema Bithung Garo area =20 points
38	Rongkhang Block/Karbi Anglong	PIF by STW at Jengkha Area=20 points
39	Rongkhang Block/Karbi Anglong	PIF by STW at Satgaon area= 20 points
40	Rongkhang Block/Karbi Anglong	PIF by STW at west K.A Bithung Rengthema area= 30 points
41	Rongkhang Block/Karbi Anglong	Boring and installation of DTWS at satgaon area = 2 points

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42	Rongkhang Block/Karbi Anglong	Jiribasa DTWS
43	Rongkhang Block/Karbi Anglong	to provide Irrigation facility by DTW at different areas of Amreng MAC (a) Artukekang DTWS
44	Rongkhang Block/Karbi Anglong	To provide Irrigation facility by DTW at different areas of kopili MAC (a) Hanthorgaon DTWS
45	Rongkhang Block/Karbi Anglong	Lingding Jaljuri I.S
46	Rongkhang Block/Karbi Anglong	Langmektu
47	Rongkhang Block/Karbi Anglong	CAD to Taradubi L.I.S
48	Rongkhang Block/Karbi Anglong	Langmingso I.S
49	Rongkhang Block/Karbi Anglong	CAD to North Bhelapara I/S (Ph-I)
50	Rongkhang Block/Karbi Anglong	Kollonga I.S (Renovation and Extension of Canal System)
51	Rongkhang Block/Karbi Anglong	Tumpreng Lift Irrigation Scheme
52	Rongkhang Block/Karbi Anglong	Extension to Memejs I.S
53	Rongkhang Block/Karbi Anglong	Langmehek
54	Rongkhang Block/Karbi Anglong	Punja-Hidipi (Pac-I)
55	Rongkhang Block/Karbi Anglong	CAD to Taradubi L.I.S
56	Rongkhang Block/Karbi Anglong	Langmingso I.S
57	Rongkhang Block/Karbi Anglong	CAD to North Bhelapara I.S (Ph-I)
58	Rongkhang Block/Karbi Anglong	Kollonga I.S (Renovation and Extension of Canal System)
59	Rongkhang Block/Karbi Anglong	Improvement of Nakchamlangso I.S
60	Rongkhang Block/Karbi Anglong	Renovation and Improvement of Tumpreng LIS
61	Rongkhang Block/Karbi Anglong	Improvement of Mugachung Bithung
62	Rongkhang Dev. Block	Langchiling IS
63	Rongkhang Dev. Block	Langmet IS
64	Rongkhang Dev. Block	Barman Enghee IS
65	Rongkhang Dev. Block	Rongkhelon i/S
66	Rongkhang Dev. Block	Khorsing IS
67	Rongkhang Dev. Block	Upper sarlong chor IS
68	Rongkhang Dev. Block	Kabong Gaon IS
69	Rongkhang Dev. Block	Ronkuru I/S
70	Rongkhang Dev. Block	Krogaon I/S
71	Rongkhang Dev. Block	Tiss Ronghang Gaon I/S
72	Rongkhang Dev. Block	Waham langse Tiny I/S
73	Rongkhang Dev. Block	Nong kerela Tiny I/S
74	Rongkhang Dev. Block	Bey Gaon I/S
75	Rongkhang Dev. Block	Lower Telehor I/S
76	Rongkhang Dev. Block	Telehar I/S
77	Rongkhang Dev. Block	Kro Gaon I/S (ph-II)
78	Rongkhang Dev. Block	Thongia I/S (ph-II)
79	Rongkhang Dev. Block	Bak-Bay I/S (ph-II)
80	Rongkhang Dev. Block	Parpang kro I/S
81	Rongkhang Dev. Block	Amlet I/S
82	Rongkhang Dev. Block	Ronghidi Longkar-om tank I/S

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83	Rongkhang Dev. Block	Dong mepi Bey gaon tank I/S
84	Rongkhang Dev. Block	Phang hunnter I/S
85	Rongkhang Dev. Block	Hingarlang I/S
(C) New Schemes (HAR KHET KO PANI)		
1	Rongkhang Dev. Block	Doloni DTW
2	Rongkhang Dev. Block	Hanthor Teron DTW
3	Rongkhang Dev. Block	Kheroni Majbosti DTW
4	Rongkhang Dev. Block	Rupal Chith DTW
5	Rongkhang Dev. Block	Bali Gaon STW
6	Rongkhang Dev. Block	Bithung Rengthema STW
7	Rongkhang Dev. Block	Cheng Bong STW
8	Rongkhang Dev. Block	Ganga Nagar Village STW
9	Rongkhang Dev. Block	Harsing Bey Gaon STW
10	Rongkhang Dev. Block	Kabon Arong Village STW
11	Rongkhang Dev. Block	Lulu ma ri Village STW
12	Rongkhang Dev. Block	Rongjamir Village STW
13	Rongkhang Dev. Block	Pongkuroi Village STW
14	Rongkhang Dev. Block	Sampathar Village STW

5 Strategic Action plan for Irrigation in District under PMKSY								
Sl. No.	Name of the Blocks/Sub District	Concerned Ministry/ Department	Component	Activity	Total Number/Capacity (Cum)	Command Area/Irrigation Potential (Ha)	Period of Implementation (5/7 Yrs)	Estimated cost (In Rs.) in Laks
(A) Ongoing Scheme (Completed)								
1	Socheng Block/Karbi Anglong	MoWR	Theso I/S	surface water development	0.4275	225	1	550.00
2	Socheng Block/Karbi Anglong	MoWR	Langdini I.S	Surface Water Development	0.589	310	1	696.24
3	Socheng Block/Karbi Anglong	MoWR	Upper Telehar Noll I/S	surface water development	0.3268	172	1	255.00
4	Socheng Block/Karbi Anglong	MoWR	Sarlangsar I/S (Ph-II)	Surface Water Development	0.3895	205	1	249.00
5	Socheng Block/Karbi Anglong	MoWR	Amreng Irrigation Project	Surface Water Development		6800	5	115746.97
(B) Revival of Defunct/Inoperative/patially operative								
1	Socheng Block/Karbi Anglong	MoWR	Charchim IS	Surface Water Development	0.57	300	1	347.22
2	Socheng Block/Karbi Anglong	MoWR	Upper Langneopi Hanse gaon IS	Surface Water Development	0.4503	237	1	354.60

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3	Socheng Block/Karbi Anglong	MoWR	Indrasing I/S	Surface Water Development	0.418	220	2	233.00
4	Socheng Block/Karbi Anglong	MoWR	Rongmando I/S	Surface Water Development	0.798	420	2	391.18
5	Socheng Block/Karbi Anglong	MoWR	Umsiri Tiny I/S	Surface Water Development	0.019	10	1	6.46
6	Socheng Block/Karbi Anglong	MoWR	chirimthepi I/S	Surface Water Development	0.3325	175	2	117.99
7	Socheng Block/Karbi Anglong	MoWR	Nihang basti I/S	Surface Water Development	0.323	170	2	400.00
8	Socheng Block/Karbi Anglong	MoWR	Nihangbasti I/S	surface water development	0.2603	137	1	112.46
9	Socheng Block/Karbi Anglong	MoWR	Amtuk Apom I/S	surface water development	0.3192	168	1	387.26
10	Socheng Block/Karbi Anglong	MoWR	Umpontong I/S	surface water development	0.4864	256	1	381.49
11	Socheng Block/Karbi Anglong	MoWR	Ingti Gaon I/S	surface water development	0.4503	237	1	354.60
12	Socheng Block/Karbi Anglong	MoWR	Sarsing I/S	Surface Water Development	0.2603	137	1	111.42
13	Socheng Block/Karbi Anglong	MoWR	Umpontong I/S (ph-II)	Surface Water Development	0.38	200	1	500.00
14	Socheng Block/Karbi Anglong	MoWR	Bir Thong Teron I.S	Surface Water Development	0.5605	295	1	394.22
15	Socheng Block/Karbi Anglong	MoWR	Ingtigaon I/S (ph-II)	Surface Water Development	0.38	200	1	500.00

Sl. No.	Name of the Blocks/Sub District	Concerned Ministry/ Department	Component	Activity	Total Number/Capacity (Cum)	Command Area/Irrigation Potential (Ha)	Period of Implementation (5/7 Yrs)	Estimated cost (In Rs.) in Laks
1	Socheng Dev. Block	MoWR	Nihangbasti I/S	surface water development	0.2603	137	1	112.46
2	Socheng Dev. Block	MoWR	Amtuk Apom I/S	surface water development	0.3192	168	1	387.26
3	Socheng Dev. Block	MoWR	Theso I/S	surface water development	0.4275	225	1	550.00
4	Socheng Dev. Block	MoWR	Umpontong I/S	surface water	0.4864	256	1	381.49

District Irrigation Plan, Karbi Anglong

5	Socheng Dev. Block	MoWR	Ingti Gaon I/S	development surface water development	0.4503	237	1	354.60
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Sl. No.	Name of the Blocks/Sub District	Concerned Ministry/ Department	Component	Activity	Total Number/Capacity (Cum)	Command Area/Irrigation Potential (Ha)	Period of Implementation (5/7 Yrs)	Estimated cost (In Rs.) in Laks
1	Socheng Dev. Block	MoWR	Charchim IS	Surface Water Development	0.57	300	1	347.22
2	Socheng Dev. Block	MoWR	Upper Langneopi Hanse gaon IS	Surface Water Development	0.4503	237	1	354.60
3	Socheng Dev. Block	MoWR	Indrasing I/S	Surface Water Development	0.418	220	2	233.00
4	Socheng Dev. Block	MoWR	Rongmando I/S	Surface Water Development	0.798	420	3	391.18
5	Socheng Dev. Block	MoWR	Umsiri Tiny I/S	Surface Water Development	0.019	10	1	6.46
6	Socheng Dev. Block	MoWR	chirimthepe I/S	Surface Water Development	0.3325	175	2	117.99
7	Socheng Dev. Block	MoWR	Nihang basti I/S	Surface Water Development	0.323	170	2	400.00

SOCHENG BLOCK		
Sl. No.	Name of the Blocks/Sub District	Component
(A) Ongoing Scheme (Completed)		
1	Socheng Block/Karbi Anglong	Theso I/S
2	Socheng Block/Karbi Anglong	Langdini I.S
3	Socheng Block/Karbi Anglong	Upper Telehar Noll I/S
4	Socheng Block/Karbi Anglong	Sarlangsar I/S (Ph-II)
(B) Revival of Defunct/Inoperative/partially operative		
1	Socheng Block/Karbi Anglong	Charchim IS
2	Socheng Block/Karbi Anglong	Upper Langneopi Hanse gaon IS
3	Socheng Block/Karbi Anglong	Indrasing I/S
4	Socheng Block/Karbi Anglong	Rongmando I/S
5	Socheng Block/Karbi Anglong	Umsiri Tiny I/S
6	Socheng Block/Karbi Anglong	chirimthepe I/S
7	Socheng Block/Karbi Anglong	Nihang basti I/S
8	Socheng Block/Karbi Anglong	Nihangbasti I/S
9	Socheng Block/Karbi Anglong	Amtuk ApomI/S

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10	Socheng Block/Karbi Anglong	Umpontong I/S
11	Socheng Block/Karbi Anglong	Ingti Gaon I/S
12	Socheng Block/Karbi Anglong	Sarsing I/S
13	Socheng Block/Karbi Anglong	Umpontong I/S (ph-II)
14	Socheng Block/Karbi Anglong	Bir Thong Teron I.S
15	Socheng Block/Karbi Anglong	Ingtigaon I/S (ph-II)

5 Strategic Action plan for Irrigation in District under PMKSY								
Sl. No.	Name of the Blocks/Sub District	Concerned Ministry/ Department	Component	Activity	Total Number/Capacity (Cum)	Command Area/Irrigation Potential (Ha)	Period of Implementation (5/7 Yrs)	Estimated cost (In Rs.) in Laks
(A) Ongoing Scheme								
1	Rongbonwe/Karbi Anglong	MoWR	Rongtara I.S	Surface Water Development	0.399	210	1	520.8
2	Rongbonwe/Karbi Anglong	MoWR	Kathebang tiny I.S	Surface Water Development	0.057	30	1	22.31
3	Rongmongve Dev. Block/ Rongmongve	MoWR	Kaipani I.S	Ground Water Development	8.00	1050	2	2,625.00
4	Rongmongve Dev. Block/ Rongmongve	MoWR	Rangagora TIS	Ground Water Development		60	2	150.00
5	Rongmongve Dev. Block/ Rongmongve	MoWR	Kalivitty I.S	Ground Water Development	3.36	35	2	87.50
6	Rongmongve Dev. Block/ Rongmongve	MoWR	Balijur I.S	Ground Water Development	77.00	105	2	262.50
7	Rongmongve Dev. Block/ Rongmongve	MoWR	Putijuri I.S	Ground Water Development	0.80	170	2	425.00
8	Rongmongve Dev. Block/ Rongmongve	MoWR	Silimkhowa I.S	Ground Water Development	3.50	320	2	800.00
9	Rongmongve Dev. Block/ Rongmongve	MoWR	Da-Dhara I.S	Ground Water Development	0.3	214	2	535.00
10	Rongmongve Dev. Block/ Rongmongve	MoWR	Deopani I.S	Ground Water Development	0.27	185	2	462.50
(B) Revival of Defunct/Inoperative/partially operative								
nil								
(C) New Schemes (HAR KHET KO PANI)								

District Irrigation Plan, Karbi Anglong

HORGUTI SUB DIVISION

1	Rongmongve/Karbi Anglong	MoWR	Khanghaipam I.S	Surface Water Development	0.608	320	3	800
2	Rongmongve/Karbi Anglong	MoWR	Samserjuri	Surface Water Development	0.95	500	3	1250
3	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	KERELA F.I.S	Ground Water Development	0.35	245	2	612.50
4	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	KLENGBEY F.I.S	Ground Water Development	0.32	221	2	552.50
5	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	NOPANI F.I.S	Ground Water Development	0.31	225	2	562.50
6	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	LANGETSO F.I.S	Ground Water Development	0.24	175	2	437.50
7	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	KAKOJAN F.I.S	Ground Water Development	0.32	220	2	550.00
8	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	MANTHEPAK F.I.S	Ground Water Development	0.32	215	2	537.50
9	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	SAMSIR F.I.S	Ground Water Development	0.35	248	2	620.00
10	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	BOIDAKJURI F.I.S	Ground Water Development	0.32	228	2	570.00
11	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	KARHANGLANSO F.I.S	Ground Water Development	0.38	265	2	662.50
12	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	LAKHOJAN F.I.S	Ground Water Development	0.2	145	2	362.50
13	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	SENGLANGSO F.I.S	Ground Water Development	0.18	122	2	305.00
14	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	TOKBI GAON F.I.S	Ground Water Development	0.3	218	2	545.00
15	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	LANGHAPE F.I.S	Ground Water Development	0.27	185	2	462.50
16	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	LANGMUKURU F.I.S	Ground Water Development	0.23	165	2	412.50
17	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	HENRULANGSO F.I.S	Ground Water Development	0.21	155	2	387.50
18	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	CHAI ADONG F.I.S	Ground Water Development	0.16	112	2	280.00
19	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	UPPER KAIPANI F.I.S	Ground Water Development	0.45	315	2	787.50
20	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	HONGRONG LANGSO F.I.S	Ground Water Development	0.24	225	2	562.50
21	Rongmongve Dev.	MoWR&GR	DAKAI BEY F.I.S	Ground Water	0.23	165	2	412.50

District Irrigation Plan, Karbi Anglong

	Block/ Rongmongve			Development				
22	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	TENGLANGSO F.I.S	Ground Water Development	0.32	220	2	550.00
23	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	HARLUNGLANGSO F.I.S	Ground Water Development	0.16	112	2	280.00
24	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	THIRILANGSO F.I.S	Ground Water Development	0.22	165	2	412.50
25	Rongmongve Dev. Block/ Rongmongve	MoWR&GR	CHIRIM LANGSO F.I.S	Ground Water Development	0.3	210	2	525.00

RONGMONGVE BLOCK		
5 Strategic Action plan for Irrigation in District under PMKSY		
Sl. No.	Name of the Blocks/Sub District	Component
(A) Ongoing Scheme		
1	Rongbonwe/Karbi Anglong	Rongtara I.S
2	Rongbonwe/Karbi Anglong	Kathebang tiny I.S
3	Rongmongve Dev. Block/ Rongmongve	Kaipani I.S
4	Rongmongve Dev. Block/ Rongmongve	Rangagora TIS
5	Rongmongve Dev. Block/ Rongmongve	Kalivitty I.S
6	Rongmongve Dev. Block/ Rongmongve	Balijur I.S
7	Rongmongve Dev. Block/ Rongmongve	Putijuri I.S
8	Rongmongve Dev. Block/ Rongmongve	Silimkhowa I.S
9	Rongmongve Dev. Block/ Rongmongve	Da-Dhara I.S
10	Rongmongve Dev. Block/ Rongmongve	Deopani I.S
(B) Revival of Defunct/Inoperative/partially operative		
nil		
(C) New Schemes		
(HAR KHET KO PANI)		
HORGUTI SUB DIVISION		
1	Rongmongve/Karbi Anglong	Khanghaipam I.S
2	Rongmongve/Karbi Anglong	Samserjuri
3	Rongmongve Dev. Block/ Rongmongve	KERELA F.I.S
4	Rongmongve Dev. Block/ Rongmongve	KLENGBEY F.I.S
5	Rongmongve Dev. Block/ Rongmongve	NOPANI F.I.S
6	Rongmongve Dev. Block/ Rongmongve	LANGETSO F.I.S
7	Rongmongve Dev. Block/ Rongmongve	KAKOJAN F.I.S
8	Rongmongve Dev. Block/ Rongmongve	MANTHEPAK F.I.S
9	Rongmongve Dev. Block/ Rongmongve	SAMSIR F.I.S
10	Rongmongve Dev. Block/ Rongmongve	BOIDAKJURI F.I.S
11	Rongmongve Dev. Block/ Rongmongve	KARHANGLANSO F.I.S

District Irrigation Plan, Karbi Anglong

12	Rongmongve Dev. Block/ Rongmongve	LAKHOJAN F.I.S
13	Rongmongve Dev. Block/ Rongmongve	SENGLANGSO F.I.S
14	Rongmongve Dev. Block/ Rongmongve	TOKBI GAON F.I.S
15	Rongmongve Dev. Block/ Rongmongve	LANGHAPE F.I.S
16	Rongmongve Dev. Block/ Rongmongve	LANGMUKURU F.I.S
17	Rongmongve Dev. Block/ Rongmongve	HENRULANGSO F.I.S
18	Rongmongve Dev. Block/ Rongmongve	CHAI ADONG F.I.S
19	Rongmongve Dev. Block/ Rongmongve	UPPER KAIPANI F.I.S
20	Rongmongve Dev. Block/ Rongmongve	HONGRONG LANGSO F.I.S
21	Rongmongve Dev. Block/ Rongmongve	DAKAI BEY F.I.S
22	Rongmongve Dev. Block/ Rongmongve	TENGLANGSO F.I.S
23	Rongmongve Dev. Block/ Rongmongve	HARLUNGLANGSO F.I.S
24	Rongmongve Dev. Block/ Rongmongve	THIRILANGSO F.I.S
25	Rongmongve Dev. Block/ Rongmongve	CHIRIM LANGSO F.I.S

Sl. No.	Name of the Blocks/Sub District	Concerned Ministry/ Department	Component	Activity	Total Number/Capacity (Cum)	Command Area/Irrigation Potential (Ha)	Period of Implementation (5/7 Yrs)	Estimated cost (In Rs.) in Laks
(A) Ongoing Scheme								
1	Samelanglso/Karbi Anglong	MoWR	Parrkhong Athoi I.S	Suface Water Development	1.01	529	2	230
2	Samelanglso/Karbi Anglong	MoWR	Samelangso I.S	Suface Water Development	0.71	373	2	930.968
3	Samelanglso/Karbi Anglong	MoWR	Swapan Gaon I/S	Suface Water Development	0.19	100	1	240
4	Samelanglso/Karbi Anglong	MoWR	Harnat Aroi I/S	Suface Water Development	0.76	400	1	999.2
5	Samelanglso/Karbi Anglong	MoWR	Dikhari I/S	Suface Water Development	0.76	400	1	990.29
(B) Revival of Defunct/Inoperative/patially operative								
1	Samelanglso/Karbi Anglong	MoWR	Thoknam Adong I.S	Suface Water Development	0.32	170	2	400
2	Samelanglso/Karbi Anglong	MoWR	T.I.S from Chelabor near Phatikjan	Suface Water Development	0.04	20	1	13.92
3	Samelanglso/Karbi Anglong	MoWR	Paklang Kam Langsebu tiny I.S	Suface Water Development	0.06	32	1	21.65
4	Samelanglso/Karbi Anglong	MoWR	Minor Irrigation Scheme near Phatikjan	Suface Water Development	0.03	15	1	6.74
5	Samelanglso/Karbi	MoWR	Mandolo I.S (ph-II)	Suface Water Development	1.54	810	1	132.55

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6	Anglong Samelanglso/Karbi Anglong	MoWR	Bagpani I.S	Suface Water Development	0.47	245	1	201.4
7	Samelanglso/Karbi Anglong	MoWR	Paklang Kam Ph-II I.S	Suface Water Development	0.19	100	1	145.09
8	Samelanglso/Karbi Anglong	MoWR	Langsibu I.S	Suface Water Development	0.38	200	1	285.76
9	Samelanglso/Karbi Anglong	MoWR	Rampukhuri I.S	Suface Water Development	0.94	496	1	395.8
10	Samelanglso/Karbi Anglong	MoWR	Bolikang I.S	Suface Water Development	0.29	150	1	1.2
11	Samelanglso/Karbi Anglong	MoWR	Panji Hanse Gaon I.S	Suface Water Development	0.47	247	1	348.59
12	Samelanglso/Karbi Anglong	MoWR	Bheloghat I.S	Suface Water Development	0.47	245	1	212.72
13	Samelanglso/Karbi Anglong	MoWR	Kung Gur	Suface Water Development	0.28	145	1	139.02
14	Samelanglso/Karbi Anglong	MoWR	Paklangkam I.S (ph-II)	Suface Water Development	0.19	100	1	145.09
15	Samelanglso/Karbi Anglong	MoWR	Mandolo I.S	Suface Water Development	1.54	810	1	173.56
16	Samelanglso/Karbi Anglong	MoWR	Paklangkam I.S (ph-II)	Suface Water Development	0.19	100	1	145.12
17	Samelanglso/Karbi Anglong	MoWR	Bolikang I.S (Revised)	Suface Water Development	0.34	178	1	239.35
18	Samelanglso/Karbi Anglong	MoWR	Sar-et Engti Gaon	Suface Water Development	0.36	190	1	157.93
19	Samelanglso/Karbi Anglong	MoWR	Dikaipi I/S Ph-II	Suface Water Development	0.65	340	1	151.19
20	Samelanglso/Karbi Anglong	MoWR	Jaipur I/S Ph-II	Suface Water Development	0.48	255	1	366.14
21	Samelanglso/Karbi Anglong	MoWR	Horina I/S Ph-II	Suface Water Development	1.94	1020	1	310.6
NIL								
(C) New Schemes (HAR KHET KO PANI)								
1	Samelanglso/Karbi Anglong	MoWR	Bagpani (Ph-II) I.S	Suface Water Development	0.61	320	3	800
2	Samelanglso/Karbi Anglong	MoWR	Sudampuri I.S	Suface Water Development	0.53	280	3	700
3	Samelanglso/Karbi Anglong	MoWR	Jaipur No.2 I.S	Suface Water Development	0.72	380	3	950

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4	Samelanglso/Karbi Anglong	MoWR	Chai Teron I/S	Suface Water Development	0.40	210	3	475
5	Samelanglso/Karbi Anglong	MoWR	Tongklok I/S	Suface Water Development	0.61	320	3	600
6	Samelanglso/Karbi Anglong	MoWR	Bithilangso I/S	Suface Water Development	0.33	175	3	405
7	Samelanglso/Karbi Anglong	MoWR	Lang-etso I/S	Suface Water Development	0.57	300	3	662.5
8	Samelanglso/Karbi Anglong	MoWR	Doidak No.2 Jaipur I/S	Suface Water Development	0.86	450	3	875
9	Samelanglso/Karbi Anglong	MoWR	Chiri Langso I/S	Suface Water Development	0.24	125	1	312.5
10	Samelanglso/Karbi Anglong	MoWR	Krong Bey I/S	Suface Water Development	0.29	150	1	375
11	Samelanglso/Karbi Anglong	MoWR	Singnot terang I/S	Suface Water Development	0.31	165	1	412.5
12	Samelanglso/Karbi Anglong	MoWR	Ok-Longku I/S	Suface Water Development	0.44	230	2	575
13	Samelanglso/Karbi Anglong	MoWR	Hemai Langso I/S	Suface Water Development	0.34	180	1	450
14	Samelanglso/Karbi Anglong	MoWR	Langhepi I/S	Suface Water Development	0.32	170	1	425
15	Samelanglso/Karbi Anglong	MoWR	Longlokso I/S (ph-II)	Suface Water Development	0.65	340	2	850
16	Samelanglso/Karbi Anglong	MoWR	Karkok I/S (ph-II)	Suface Water Development	0.43	225	2	562.5

SAMELANGSO BLOCK		
Sl. No.	Name of the Blocks/Sub District	Component
(A) Ongoing Scheme		
1	Samelanglso/Karbi Anglong	Parrkhong Athoi I.S
2	Samelanglso/Karbi Anglong	Samelangso I.S
3	Samelanglso/Karbi Anglong	Swapan Gaon I/S
4	Samelanglso/Karbi Anglong	Hamat Aroi I/S
5	Samelanglso/Karbi Anglong	Dikhari I/S
(B) Revival of Defunct/Inoperative/patially operative		
1	Samelanglso/Karbi Anglong	Thoknam Adong I.S
2	Samelanglso/Karbi Anglong	T.I.S from Chelabor near Phatikjan
3	Samelanglso/Karbi Anglong	Paklang Kam Langsebu tiny I.S
4	Samelanglso/Karbi Anglong	Minor Irrigation Scheme near Phatikjan

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5	Samelanglso/Karbi Anlong	Mandolo I.S (ph-II)
6	Samelanglso/Karbi Anlong	Bagpani I.S
7	Samelanglso/Karbi Anlong	Paklang Kam Ph-II I.S
8	Samelanglso/Karbi Anlong	Langsibu I.S
9	Samelanglso/Karbi Anlong	Rampukhuri I.S
10	Samelanglso/Karbi Anlong	Bolikang I.S
11	Samelanglso/Karbi Anlong	Panji Hanse Gaon I.S
12	Samelanglso/Karbi Anlong	Bheloghat I.S
13	Samelanglso/Karbi Anlong	Kung Gur
14	Samelanglso/Karbi Anlong	Paklangkam I.S (ph-II)
15	Samelanglso/Karbi Anlong	Mandolo I.S
16	Samelanglso/Karbi Anlong	Paklangkam I.S (ph-II)
17	Samelanglso/Karbi Anlong	Bolikang I.S (Revised)
18	Samelanglso/Karbi Anlong	Sar-et Engti Gaon
19	Samelanglso/Karbi Anlong	Dikaipi I/S Ph-II
20	Samelanglso/Karbi Anlong	Jaipur I/S Ph-II
21	Samelanglso/Karbi Anlong	Horina I/S Ph-II
NIL		
(C) New Schemes (HAR KHET KO PANI)		
1	Samelanglso/Karbi Anlong	Bagpani (Ph-II) I.S
2	Samelanglso/Karbi Anlong	Sudampuri I.S
3	Samelanglso/Karbi Anlong	Jaipur No.2 I.S
4	Samelanglso/Karbi Anlong	Chai Teron I/S
5	Samelanglso/Karbi Anlong	Tongklok I/S
6	Samelanglso/Karbi Anlong	Bitthilangso I/S
7	Samelanglso/Karbi Anlong	Lang-etso I/S
8	Samelanglso/Karbi Anlong	Doidak No.2 Jaipur I/S
9	Samelanglso/Karbi Anlong	Chiri Langso I/S
10	Samelanglso/Karbi Anlong	Krong Bey I/S
11	Samelanglso/Karbi Anlong	Singnot terang I/S
12	Samelanglso/Karbi Anlong	Ok-Longku I/S
13	Samelanglso/Karbi Anlong	Hemai Langso I/S
14	Samelanglso/Karbi Anlong	Langhepi I/S
15	Samelanglso/Karbi Anlong	Longlokso I/S (ph-II)
16	Samelanglso/Karbi Anlong	Karkok I/S (ph-II)

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Sl. No.	Name of the Blocks/Sub District	Concerned Ministry/ Department	Component	Activity	Total Number/Capacity (Cum)	Command Area/Irrigation Potential (Ha)	Period of Implementation (5/7 Yrs)	Estimated cost (In Rs.) in Laks
(A) Ongoing Scheme								
574	Dhalpukhuri Block/ Hojai	NABARD RIDF (XVIII)	Nadapur DTWs (2 pts)	Ground Water Development	0.11	60	1	90.00
575	Dhalpukhuri Block/ Hojai	NABARD RIDF (XVIII)	Jamu Handal DTWs (2 pts)	Ground Water Development	0.11	60	1	90.00
576	Dhalpukhuri Block/ Hojai	NABARD RIDF (XIX)	Kalamoni jan LIS	Lift Irrigation (Minor)	2.71	200	3	1,700.00
(B) Revival of Defunct/Inoperative/partially operative								
577	Dhalpukhuri Block/ Hojai	MoWR	DTWs at Laskar Pather under Laskar Pather G.P(NGN)	Ground Water (Renovation)	0.057	30	1	80.00
578	Dhalpukhuri Block/ Hojai	MoWR	DTWs at Dakhin Laskar Pather under Laskar Pather G.P(NGN)	Ground Water (Renovation)	0.057	30	1	80.00
579	Dhalpukhuri Block/ Hojai	MoWR	DTWs at Dakhin Kumarkata(NGN)	Ground Water (Renovation)	0.057	30	1	80.00
(C) New Schemes(HAR KHET KO PANI)								
580	Dhalpukhuri Block/Nogaon	MoWR&GR	Lakhipur DTWs (2 Pts)	Ground Water Development	0.114	60	1	140.00
581	Dhalpukhuri Block/Nogaon	MoWR&GR	Itagaon DTW (Pt. No. 2)	Ground Water Development	0.057	30	1	70.00
582	Dhalpukhuri Block/Nogaon	MoWR&GR	Pub Bhalukmari DTW	Ground Water Development	0.057	30	1	70.00
583	Dhalpukhuri Block/Nogaon	MoWR&GR	Dhalpukhuri DTW (3 Pts)	Ground Water Development	0.171	90	1	210.00
584	Dhalpukhuri Block/Nogaon	MoWR&GR	Dakhin Jamuhandal DTW	Ground Water Development	0.057	30	1	70.00
585	Dhalpukhuri Block/Nogaon	MoWR&GR	Dekhin Udaipur DTW	Ground Water Development	0.057	30	1	70.00
586	Dhalpukhuri Block/Nogaon	MoWR&GR	Pachim Jamuhandal Pt. No.1 DTW	Ground Water Development	0.057	30	1	70.00
587	Dhalpukhuri Block/Nogaon	MoWR&GR	Pachim Jamuhandal Pt. No.2 DTW	Ground Water Development	0.057	30	1	70.00
588	Dhalpukhuri Block/Nogaon	MoWR&GR	Jamuhandal Pt. No.3 DTW	Ground Water Development	0.057	30	1	70.00
589	Dhalpukhuri Block/Nogaon	MoWR&GR	Jamuhandal Pt. No.4 DTW	Ground Water Development	0.057	30	1	70.00

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590	Dhalpukhuri Block/Nogaon	MoWR&GR	Itakhola DTW	Ground Water Development	0.057	30	1	70.00
591	Dhalpukhuri Block/Hojai	MoWR&GR	Har Khet Ko Pani: ERM of CAD jamuna irrigation Scheme	Lined field Channels	19.81 Cum under Jamuna Irrigation Scheme	41410.00 Hectors under ERM of jamuna Irrigation Scheme comprising 5 Nos. of Blocks	3	1,500.00
				Unlined Channels			2	200.00
592	Dhalpukhuri Block/Hojai	MoWR&GR	M & R to Jamuna Irrigation Scheme	Lined field Channels	19.81 Cum under Jamuna Irrigation Scheme	41410.00 Hectors under ERM of jamuna Irrigation Scheme comprising 5 Nos. of Blocks	5	100.00
				Unlined Channels			5	125.00

5 Strategic Action plan for Irrigation in District under PMKSY

Sl. No.	Name of the Blocks/Sub District	Concerned Ministry/ Department	Component	Activity	Total Number/ Capacity (Cum)	Command Area/Irrigation Potential (Ha)	Period of Implementation (5/7 Yrs)	Estimated cost (In Rs.) in Laks
(A) Ongoing Scheme								
1	Bokajan Dev. Block/ Bokajan	MoWR	KULIGAON I.S	Surface Water Development	0.28	130	2	325.00
2	Bokajan Dev. Block/ Bokajan	MoWR	JUNGLEKASA F.I.S	Surface Water Development	0.45	175	2	437.50
3	Bokajan Dev. Block/ Bokajan	MoWR	DEOPANI L.I.S	Surface Water Development	0.50	378	2	945.00
4	Bokajan Dev. Block/ Bokajan	MoWR	SEMINGLANGSO F.I.S	Surface Water Development	2.66	162	2	405.00
5	Bokajan Dev. Block/ Bokajan	MoWR	TINGLANGSO F.I.S	Surface Water Development	0.42	210	2	525.00
6	Bokajan Dev. Block/ Bokajan	MoWR	DIGHOLEVENTA F.I.S	Surface Water Development	0.40	135	2	337.50
7	Bokajan Dev. Block/ Bokajan	MoWR	RANABASTI F.I.S	Surface Water Development	2.52	119	2	297.50
8	Bokajan Dev. Block/ Bokajan	MoWR	CHEEKLANSO F.I.S	Surface Water Development	0.45	198	2	495.00
9	Bokajan Dev. Block/ Bokajan	MoWR	TING ADONG F.I.S	Surface Water Development	2.66	185	2	462.50
10	Bokajan Dev. Block/ Bokajan	MoWR	TINGBASTI GARO GAON F.I.S	Surface Water Development	0.45	198	2	495.00
11	Bokajan Dev. Block/	MoWR	RONGKIMI F.I.S	Surface Water	0.45	218	2	545.00

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	Bokajan			Development				
12	Bokajan Dev. Block/ Bokajan	MoWR	LONGBOI F.I.S	Surface Water Development	0.15	188	2	470.00
13	Bokajan Dev. Block/ Bokajan	MoWR	TINGBASTI NEPALIBHETA TANK F.I.S	Surface Water Development	0.45	70	2	175.00
14	Bokajan Dev. Block/ Bokajan	MoWR	LONGBOI TIMUNG F.I.S	Surface Water Development	3.92	199	2	497.50
15	Bokajan Dev. Block/ Bokajan	MoWR	Rongmarjong I.S	Surface Water Development	0.50	95	2	237.50
16	Bokajan Dev. Block/ Bokajan	MoWR	Hemai Hanse I.S	Surface Water Development	0.18	80	2	200.00
17	Bokajan Dev. Block/ Bokajan	MoWR	Koilajan I.S	Surface Water Development	0.20	120	2	300.00
18	Bokajan Dev. Block/ Bokajan	MoWR	Pitiadong I.S	Surface Water Development	0.14	235	2	587.50
19	Bokajan Dev. Block/ Bokajan	MoWR	Beeldipa I.S	Surface Water Development	0.28	100	2	250.00
20	Bokajan Dev. Block/ Bokajan	MoWR	Chowhai Bheta I.S	Surface Water Development	13.60	140	2	350.00
21	Bokajan Dev. Block/ Bokajan	MoWR	Borlengrijan IS	Surface Water Development	2.52	90	2	225.00
22	Bokajan Dev. Block/ Bokajan	MoWR	Tinglijan I.S	Surface Water Development	0.84	125	2	312.50
23	Bokajan Dev. Block/ Bokajan	MoWR	Mokhuti I.S	Surface Water Development	0.19	100	2	250.00
24	Bokajan Dev. Block/ Bokajan	MoWR	Hidipi I.S	Surface Water Development	0.23	130	2	325.00
25	Bokajan Dev. Block/ Bokajan	MoWR	Balijan I.S	Surface Water Development	0.17	110	2	275.00
26	Bokajan Dev. Block/ Bokajan	MoWR	Sangti Adong I.S	Surface Water Development	0.50	100	2	250.00
27	Bokajan Dev. Block/ Bokajan	MoWR	Karagaon I.S	Surface Water Development	1.12	24	2	60.00
28	Bokajan Dev. Block/ Bokajan	MoWR	Benganabeel I.S	Surface Water Development	0.25	129	2	322.50
29	Bokajan Dev. Block/ Bokajan	MoWR	Luxabeta Tank I.S	Surface Water Development	0.10	70	2	175.00
30	Bokajan Dev. Block/ Bokajan	MoWR	Bagjan I.S	Surface Water Development	0.40	170	2	425.00
31	Bokajan Dev. Block/ Bokajan	MoWR	Sarihajan LIS	Surface Water Development	0.10	75	2	187.50
32	Bokajan Dev. Block/ Bokajan	MoWR	Majungjan I.S	Surface Water	0.40	165	2	412.50

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	Bokajan			Development				
33	Bokajan Dev. Block/ Bokajan	MoWR	Sarihajan I.S	Surface Water Development	0.20	145	2	362.50
34	Bokajan Dev. Block/ Bokajan	MoWR	Thirilangso TIS	Surface Water Development	0.10	50	2	125.00
35	Bokajan Dev. Block/ Bokajan	MoWR	Bokaram TIS	Surface Water Development	0.50	95	2	237.50
36	Bokajan Dev. Block/ Bokajan	MoWR	Upper OK-Kahai I.S	Surface Water Development	0.50	50	2	125.00
37	Bokajan Dev. Block/ Bokajan	MoWR	Lalmatijan I.S	Surface Water Development	0.18	115	2	287.50
38	Bokajan Dev. Block/ Bokajan	MoWR	Misang Aji I.S	Surface Water Development	2.94	210	2	525.00
39	Bokajan Dev. Block/ Bokajan	MoWR	Bordeka I.S	Surface Water Development	0.18	120	2	300.00
40	Bokajan Dev. Block/ Bokajan	MoWR	Takegaon I.S	Surface Water Development	0.20	152	2	380.00
41	Bokajan Dev. Block/ Bokajan	MoWR	Bongrung Basti I.S	Surface Water Development	0.90	130	2	325.00
42	Bokajan Dev. Block/ Bokajan	MoWR	Mohori Terang I.S	Surface Water Development	2.24	180	2	450.00
43	Bokajan Dev. Block/ Bokajan	MoWR	Dumukhia I.S	Surface Water Development	0.15	75	2	187.50
44	Bokajan Dev. Block/ Bokajan	MoWR	Sanilangso Tiny I.S	Surface Water Development	0.70	25	2	62.50
45	Bokajan Dev. Block/ Bokajan	MoWR	Dongthewang I.S	Surface Water Development	2.52	125	2	312.50
46	Bokajan Dev. Block/ Bokajan	MoWR	Dubajan I.S	Surface Water Development	0.50	145	2	362.50
47	Bokajan Dev. Block/ Bokajan	MoWR	Longkram I.S	Surface Water Development	2.24	210	2	525.00
48	Bokajan Dev. Block/ Bokajan	MoWR	Garo Basti I.S	Surface Water Development	0.84	45	2	112.50
49	Bokajan Dev. Block/ Bokajan	MoWR	Sarumanti I.S	Surface Water Development	0.56	13	2	32.50
50	Bokajan Dev. Block/ Bokajan	MoWR	Lakhijan I.S	Surface Water Development	0.47	212	2	530.00
51	Bokajan Dev. Block/ Bokajan	MoWR	Inhettlangso I.S	Surface Water Development	0.13	92	2	230.00
52	Bokajan Dev. Block/ Bokajan	MoWR	Gohajian I.S	Surface Water Development	0.18	127	2	317.50
53	Bokajan Dev. Block/	MoWR	Dilaojan I.S	Surface Water	0.17	126	2	315.00

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	Bokajan			Development				
54	Bokajan Dev. Block/ Bokajan	MoWR	Mazgaon I.S	Surface Water Development	0.26	178	2	445.00
55	Bokajan Dev. Block/ Bokajan	MoWR	Nagajan I.S	Surface Water Development	0.28	45	2	112.50
56	Bokajan Dev. Block/ Bokajan	MoWR	Langkimi I.S	Surface Water Development	0.25	175	2	437.50
57	Bokajan Dev. Block/ Bokajan	MoWR	Upper Deohori I.S	Surface Water Development	0.35	250	2	625.00
58	Bokajan Dev. Block/ Bokajan	MoWR	Dubajan Garo basti I.S	Surface Water Development	0.50	156	2	390.00
(B) Revival of Defunct/Inoperative/partially operative								
1	Bokajan Dev. Block/ Bokajan	MoWR	KANIA BEY VILLAGE TINY F.I.S	Surface Water Development	0.10	35	2	87.50
2	Bokajan Dev. Block/ Bokajan	MoWR	SARUMONTHI TINY F.I.S	Surface Water Development	0.03	15	2	37.50
3	Bokajan Dev. Block/ Bokajan	MoWR	THIRILANGSO TINY F.I.S	Surface Water Development	0.12	54	2	135.00
4	Bokajan Dev. Block/ Bokajan	MoWR	LANGMILI TINY F.I.S	Surface Water Development	0.04	30	2	75.00
5	Bokajan Dev. Block/ Bokajan	MoWR	SAINILANGO F.I.S	Surface Water Development	0.05	25	2	62.50
6	Bokajan Dev. Block/ Bokajan	MoWR	SAIJAN TINY F.I.S	Surface Water Development	0.04	22	2	55.00
7	Bokajan Dev. Block/ Bokajan	MoWR	JANGYET TERANG TINY F.I.S	Surface Water Development	0.05	22	2	55.00
8	Bokajan Dev. Block/ Bokajan	MoWR	TOKOLANGSO TINY F.I.S	Surface Water Development	0.06	20	2	50.00
9	Bokajan Dev. Block/ Bokajan	MoWR	NAGALANGSO TINY F.I.S	Surface Water Development	0.05	32	2	80.00
10	Bokajan Dev. Block/ Bokajan	MoWR	TENGABARI PATHAR TINY F.I.S	Surface Water Development	0.09	59	2	147.50
11	Bokajan Dev. Block/ Bokajan	MoWR	NEPARPATTY L.I.S	Surface Water Development	0.03	206	2	515.00
(C) New Schemes (HAR KHET KO PANI)								
1	Bokajan Dev. Block/ Bokajan	MoWR&GR	2 No. Dilowjan I.S	Surface Water Development	0.30	210	2	525.00
2	Bokajan Dev. Block/ Bokajan	MoWR&GR	Ranchi Gaon I.S	Surface Water Development	0.40	250	2	625.00
3	Bokajan Dev. Block/ Bokajan	MoWR&GR	Phool Bari I.S	Surface Water	0.20	140	2	350.00

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	Bokajan			Development				
4	Bokajan Dev. Block/ Bokajan	MoWR&GR	Dok Rongpi I.S	Surface Water Development	0.40	215	2	537.50
5	Bokajan Dev. Block/ Bokajan	MoWR&GR	Paklangso FIS	Surface Water Development	0.30	225	2	562.50
6	Bokajan Dev. Block/ Bokajan	MoWR&GR	Momadong FIS	Surface Water Development	0.30	205	2	512.50
7	Bokajan Dev. Block/ Bokajan	MoWR&GR	Barli Basti I.S	Surface Water Development	0.10	70	2	175.00
8	Bokajan Dev. Block/ Bokajan	MoWR&GR	Kawaram Taro I.S	Surface Water Development	0.30	210	2	525.00
9	Bokajan Dev. Block/ Bokajan	MoWR&GR	Hidi Langkerang I.S	Surface Water Development	0.30	200	2	500.00
10	Bokajan Dev. Block/ Bokajan	MoWR&GR	Rongpi Rongthom I.S	Surface Water Development	0.30	210	2	525.00
11	Bokajan Dev. Block/ Bokajan	MoWR&GR	Naharian I.S	Surface Water Development	0.20	140	2	350.00
12	Bokajan Dev. Block/ Bokajan	MoWR&GR	Langsomepi I.S	Surface Water Development	0.30	199	2	497.50
13	Bokajan Dev. Block/ Bokajan	MoWR&GR	Kakrajan I.S	Surface Water Development	0.31	225	2	562.50
14	Bokajan Dev. Block/ Bokajan	MoWR&GR	Tengralangso I.S	Surface Water Development	0.58	405	2	1012.50
15	Bokajan Dev. Block/ Bokajan	MoWR&GR	Gautam Basti FIS	Surface Water Development	0.17	120	2	300.00
16	Bokajan Dev. Block/ Bokajan	MoWR&GR	Dillai FIS	Surface Water Development	0.50	350	2	875.00
17	Bokajan Dev. Block/ Bokajan	MoWR&GR	Upper Deopani	Surface Water Development	1.86	1300	2	3250.00
18	Bokajan Dev. Block/ Bokajan	MoWR&GR	Modhuram Terang I.S	Surface Water Development	0.35	210	2	525.00
19	Bokajan Dev. Block/ Bokajan	MoWR&GR	Bomaria I.S	Surface Water Development	0.31	225	2	562.50
20	Bokajan Dev. Block/ Bokajan	MoWR&GR	Kat Timung I.S	Surface Water Development	0.27	190	2	475.00
21	Bokajan Dev. Block/ Bokajan	MoWR&GR	Arphek Adong I.S	Surface Water Development	0.12	80	2	200.00
22	Bokajan Dev. Block/ Bokajan	MoWR&GR	Toka Aroi I.S	Surface Water Development	0.13	85	2	212.50
23	Bokajan Dev. Block/ Bokajan	MoWR&GR	Selakathar I.S	Surface Water Development	0.14	90	2	225.00
24	Bokajan Dev. Block/ Bokajan	MoWR&GR	Sekari Pathar I.S	Surface Water	0.14	92	2	230.00

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	Bokajan			Development				
25	Bokajan Dev. Block/ Bokajan	MoWR&GR	Fangdong I.S	Surface Water Development	0.15	95	2	237.50
26	Bokajan Dev. Block/ Bokajan	MoWR&GR	Cheherlangso I.S	Surface Water Development	0.70	465	2	1162.50
27	Bokajan Dev. Block/ Bokajan	MoWR&GR	Sirsib Adong I.S	Surface Water Development	0.16	110	2	275.00
28	Bokajan Dev. Block/ Bokajan	MoWR&GR	Deopani I.S	Surface Water Development	0.30	217	2	542.50
29	Bokajan Dev. Block	MoWR	Anjok Bey Gaon DTW	Ground Water Development	0.05	25	1	125.00
30	Bokajan Dev. Block	MoWR	Gonoram Killing Gaon DTW	Ground Water Development	0.05	25	1	250.00
31	Bokajan Dev. Block	MoWR	Khogen Ronghang Gaon DTW	Ground Water Development	0.05	25	1	105.00
32	Bokajan Dev. Block	MoWR	Lunse Phangcho Gaon DTW	Ground Water Development	0.05	25	1	125.00
33	Bokajan Dev. Block	MoWR	Habe Kro DTW	Ground Water Development	0.05	25	1	125.00
34	Bokajan Dev. Block	MoWR	Balipalhar Village STW	Ground Water Development	0.00	1.8	1	1.80
35	Bokajan Dev. Block	MoWR	Amarajan Village STW	Ground Water Development	0.00	1.8	1	1.80
36	Bokajan Dev. Block	MoWR	Tal Balijan Village STW	Ground Water Development	0.00	1.8	1	1.80
37	Bokajan Dev. Block	MoWR	Matipul Village STW	Ground Water Development	0.00	1.8	1	1.80
38	Bokajan Dev. Block	MoWR	Koch Gaon STW	Ground Water Development	0.00	1.8	1	1.80
39	Bokajan Dev. Block	MoWR	Kuliogaon STW	Ground Water Development	0.00	1.8	1	1.80
40	Bokajan Dev. Block	MoWR	Japarajan Village STW	Ground Water Development	0.00	1.8	1	1.80
41	Bokajan Dev. Block	MoWR	Anjuk Teron Village STW	Ground Water Development	0.00	1.8	1	1.80
42	Bokajan Dev. Block	MoWR	Borsing Tokbi Village STW	Ground Water Development	0.00	1.8	1	1.80
43	Bokajan Dev. Block	MoWR	Chandra Teron STW	Ground Water Development	0.00	1.8	1	1.80

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BOKAJAN BLOCK		
Sl. No.	Name of the Blocks/Sub District	Component
(A) Ongoing Scheme		
1	Bokajan Dev. Block/ Bokajan	KULIGAON I.S
2	Bokajan Dev. Block/ Bokajan	JUNGLEKASA F.I.S
3	Bokajan Dev. Block/ Bokajan	DEOPANI L.I.S
4	Bokajan Dev. Block/ Bokajan	SEMINGLANGSO F.I.S
5	Bokajan Dev. Block/ Bokajan	TINGLANGSO F.I.S
6	Bokajan Dev. Block/ Bokajan	DIGHOLEVENTA F.I.S
7	Bokajan Dev. Block/ Bokajan	RANABASTI F.I.S
8	Bokajan Dev. Block/ Bokajan	CHEEKLANGSO F.I.S
9	Bokajan Dev. Block/ Bokajan	TING ADONG F.I.S
10	Bokajan Dev. Block/ Bokajan	TINGBASTI GARO GAON F.I.S
11	Bokajan Dev. Block/ Bokajan	RONGKIMI F.I.S
12	Bokajan Dev. Block/ Bokajan	LONGBOI F.I.S
13	Bokajan Dev. Block/ Bokajan	TINGBASTI NEPALIBHETA TANK F.I.S
14	Bokajan Dev. Block/ Bokajan	LONGBOI TIMUNG F.I.S
15	Bokajan Dev. Block/ Bokajan	Rongmarjong I.S
16	Bokajan Dev. Block/ Bokajan	Hemai Hanse I.S
17	Bokajan Dev. Block/ Bokajan	Koilajan I.S
18	Bokajan Dev. Block/ Bokajan	Pitiadong I.S
19	Bokajan Dev. Block/ Bokajan	Beeldipa I.S
20	Bokajan Dev. Block/ Bokajan	Chowhai Bheta I.S
21	Bokajan Dev. Block/ Bokajan	Borlengrijan IS
22	Bokajan Dev. Block/ Bokajan	Tinglijan I.S
23	Bokajan Dev. Block/ Bokajan	Mokhuti I.S
24	Bokajan Dev. Block/ Bokajan	Hidipi I.S
25	Bokajan Dev. Block/ Bokajan	Balijan I.S
26	Bokajan Dev. Block/ Bokajan	Sangti Adong I.S
27	Bokajan Dev. Block/ Bokajan	Karagaon I.S
28	Bokajan Dev. Block/ Bokajan	Benganabeel I.S
29	Bokajan Dev. Block/ Bokajan	Luxabheta Tank I.S

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30	Bokajan Dev. Block/ Bokajan	Bagjan I.S
31	Bokajan Dev. Block/ Bokajan	Sarihajan LIS
32	Bokajan Dev. Block/ Bokajan	Majungjan I.S
33	Bokajan Dev. Block/ Bokajan	Sarihajan I.S
34	Bokajan Dev. Block/ Bokajan	Thirilangso TIS
35	Bokajan Dev. Block/ Bokajan	Bokaram TIS
36	Bokajan Dev. Block/ Bokajan	Upper OK-Kahai I.S
37	Bokajan Dev. Block/ Bokajan	Lalmatijan I.S
38	Bokajan Dev. Block/ Bokajan	Misang Aji I.S
39	Bokajan Dev. Block/ Bokajan	Bordeka I.S
40	Bokajan Dev. Block/ Bokajan	Takegaon I.S
41	Bokajan Dev. Block/ Bokajan	Bongrung Basti I.S
42	Bokajan Dev. Block/ Bokajan	Mohori Terang I.S
43	Bokajan Dev. Block/ Bokajan	Dumukhia I.S
44	Bokajan Dev. Block/ Bokajan	Sanilangso Tiny I.S
45	Bokajan Dev. Block/ Bokajan	Dongthewang I.S
46	Bokajan Dev. Block/ Bokajan	Dubajan I.S
47	Bokajan Dev. Block/ Bokajan	Longkram I.S
48	Bokajan Dev. Block/ Bokajan	Garo Basti I.S
49	Bokajan Dev. Block/ Bokajan	Sarumanti I.S
50	Bokajan Dev. Block/ Bokajan	Lakhijan I.S
51	Bokajan Dev. Block/ Bokajan	Inhetlangso I.S
52	Bokajan Dev. Block/ Bokajan	Gohaijan I.S
53	Bokajan Dev. Block/ Bokajan	Dilaojan I.S
54	Bokajan Dev. Block/ Bokajan	Mazgaon I.S
55	Bokajan Dev. Block/ Bokajan	Nagajan I.S
56	Bokajan Dev. Block/ Bokajan	Langkimi I.S
57	Bokajan Dev. Block/ Bokajan	Upper Deohori I.S
58	Bokajan Dev. Block/ Bokajan	Dubajan Garo basti I.S
(B) Revival of Defunct/Inoperative/partially operative		
1	Bokajan Dev. Block/ Bokajan	KANIA BEY VILLAGE TINY F.I.S
2	Bokajan Dev. Block/ Bokajan	SARUMONTHI TINY F.I.S
3	Bokajan Dev. Block/ Bokajan	THIRILANGSO TINY F.I.S

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4	Bokajan Dev. Block/ Bokajan	LANGMILI TINY F.I.S
5	Bokajan Dev. Block/ Bokajan	SAINILANGO F.I.S
6	Bokajan Dev. Block/ Bokajan	SAIJAN TINY F.I.S
7	Bokajan Dev. Block/ Bokajan	JANGYET TERANG TINY F.I.S
8	Bokajan Dev. Block/ Bokajan	TOKOLANGSO TINY F.I.S
9	Bokajan Dev. Block/ Bokajan	NAGALANGSO TINY F.I.S
10	Bokajan Dev. Block/ Bokajan	TENGABARI PATHAR TINY F.I.S
11	Bokajan Dev. Block/ Bokajan	NEPARPATTY L.I.S
(C) New Schemes (HAR KHET KO PANI)		
1	Bokajan Dev. Block/ Bokajan	2 No. Dilowjan I.S
2	Bokajan Dev. Block/ Bokajan	Ranchi Gaon I.S
3	Bokajan Dev. Block/ Bokajan	Phool Bari I.S
4	Bokajan Dev. Block/ Bokajan	Dok Rongpi I.S
5	Bokajan Dev. Block/ Bokajan	Paklangso FIS
6	Bokajan Dev. Block/ Bokajan	Momadong FIS
7	Bokajan Dev. Block/ Bokajan	Barli Basti I.S
8	Bokajan Dev. Block/ Bokajan	Kawaram Taro I.S
9	Bokajan Dev. Block/ Bokajan	Hidi Langkerang I.S
10	Bokajan Dev. Block/ Bokajan	Rongpi Rongthom I.S
11	Bokajan Dev. Block/ Bokajan	Naharjan I.S
12	Bokajan Dev. Block/ Bokajan	Langsomepi I.S
13	Bokajan Dev. Block/ Bokajan	Kakrajan I.S
14	Bokajan Dev. Block/ Bokajan	Tengralangso I.S
15	Bokajan Dev. Block/ Bokajan	Gautam Basti FIS
16	Bokajan Dev. Block/ Bokajan	Dillai FIS
17	Bokajan Dev. Block/ Bokajan	Upper Deopani
18	Bokajan Dev. Block/ Bokajan	Modhuram Terang I.S
19	Bokajan Dev. Block/ Bokajan	Bornaria I.S

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20	Bokajan Dev. Block/ Bokajan	Kat Timung I.S
21	Bokajan Dev. Block/ Bokajan	Arphek Adong I.S
22	Bokajan Dev. Block/ Bokajan	Toka Aroi I.S
23	Bokajan Dev. Block/ Bokajan	Selakathar I.S
24	Bokajan Dev. Block/ Bokajan	Sekari Pathar I.S
25	Bokajan Dev. Block/ Bokajan	Fangdong I.S
26	Bokajan Dev. Block/ Bokajan	Cheherlangso I.S
27	Bokajan Dev. Block/ Bokajan	Sirsib Adong I.S
28	Bokajan Dev. Block/ Bokajan	Deopani I.S
29	Bokajan Dev. Block	Anjok Bey Gaon DTW
30	Bokajan Dev. Block	Gonoram Killing Gaon DTW
31	Bokajan Dev. Block	Khogen Ronghang Gaon DTW
32	Bokajan Dev. Block	Lunse Phangcho Gaon DTW
33	Bokajan Dev. Block	Habe Kro DTW
34	Bokajan Dev. Block	Balipalhar Village STW
35	Bokajan Dev. Block	Amarajan Village STW
36	Bokajan Dev. Block	Tal Balijan Village STW
37	Bokajan Dev. Block	Matipul Village STW
38	Bokajan Dev. Block	Koch Gaon STW
39	Bokajan Dev. Block	Kuliogaon STW
40	Bokajan Dev. Block	Japarajan Village STW
41	Bokajan Dev. Block	Anjuk Teron Village STW
42	Bokajan Dev. Block	Borsing Tokbi Village STW
43	Bokajan Dev. Block	Chandra Teron STW

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S. No.	Name of the blocks/ Sub district	Concerned Ministry/ Department	Component	Activity	Total Number/Capacity (cum)	Command Area/ Irrigation Potential (Ha.)	Peroid of Implementation	Estimated Cost (in Rs.)
17	Rongkhang	DoLR-MoRD	PMKSY Watershed	Newly created WHS				
17.1				Farm Ponds	120 No.	514.6 Ha	5 Years	115.2
17.2				Check Dams	96 No.	7680 Ha	5 Years	1440
17.3				Nallah Bunds	130.5 Km.	1044 Ha	5 Years	195.75
17.4				Percolation Tank	75 No.	480 Ha	5 Years	90.00
17.5				Other Ground Water Recharge structure	30 No.	1920 Ha	5 Years	360.00
17.6				Fishery Ponds/cattle Ponds	40 No.	183.5 Ha	5 Years	34.4
18				Renovated WHS				
18.1				Farm Ponds	20 No.	60 Ha	5 Years	9.00
18.2				Check Dams	32 No.	1707 Ha	5 Years	320.00
18.3				Nallah Bunds	51 No.	136 Ha	5 Years	25.50
18.4				Percolation Tank	Nil	Nil	Nil	Nil
18.5				Other Ground Water Recharge structure	Nil	Nil	Nil	Nil
18.6				Fishery Ponds/cattle Ponds	18 No.	54 Ha	5 years	8.1
19		DoRD-MoRD	Convergence with MGNREGA	Newly Created				
19.1				Water Conservation				
19.2				Water Harvesting	25 Nos.	3307 Ha	5 years	625.00
19.3				Creation of Irrigation canals & Drains	Nil	Nil	Nil	Nil
19.4				Providing Infrastructure for Irrigation	Nil	Nil	Nil	Nil
19.5				Land Development	800 Ha	800 H	5 years	480.00
20	Renovation							

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20.1				Renovation of water bodies including desilting:	Nil	Nil	Nil	Nil
20.2				Renovation & Maintenance of Irrigation Canals & Drains	Nil	Nil	Nil	Nil
				Newly created WHS				
17				Farm Ponds	132 NO.	675.8 Ha	5 years	126.72
17.1				Check Dams	115 No.	9200 Ha	5 years	1725.00
17.2				Nallah Bunds	119 Km.	952 Ha	5 years	178.50
17.3				Percolation Tank	82 No.	525 Ha	5 years	98.40
17.4				Other Ground Water Recharge structure	40 No.	2560 Ha	5 years	480.00
17.5				Fishery Ponds/cattle Ponds	42 No.	215 Ha	5 years	40.32
17.6				Renovated WHS				
18				Farm Ponds	45 No.	121.5 Ha	5 years	20.25
18.1				Check Dams	28 No.	1494 Ha	5 years	280.00
18.2				Nallah Bunds	64 Km.	192 Ha	5 years	32.00
18.3				Percolation Tank	Nil	Nil	Nil	Nil
18.4				Other Ground Water Recharge structure	Nil	Nil	Nil	Nil
18.5				Fishery Ponds/cattle Ponds	28 Nos	75.6 Ha	5 Years	12.6
18.6				Newly Created				
19				Water Conservation				
19.1				Water Harvesting	30 Nos.	4000 Ha	5 years	750
19.2				Creation of Irrigation canals & Drains	Nil	Nil	Nil	Nil
19.3				Providing Infrastructure for Irrigation	Nil	Nil	Nil	Nil
19.4				Land Development	1200 Ha	1200 H	5 years	720.00
19.5				Renovation				
20				Renovation of water bodies including desilting:	Nil	Nil	Nil	Nil
20.1				Renovation & Maintenance of Irrigation Canals & Drains	Nil	Nil	Nil	Nil
20.2				Newly created WHS				
17				Farm Ponds	148 No	758 Ha	5 years	142.08
17.1				Check Dams	130 No	10400 Ha	5 years	1950.00
17.2				Nallah Bunds	159.4 km	1275.2 Ha	5 years	239.10
17.3				Percolation Tank	90 No	576 Ha	5 years	108.00
17.4				Other Ground Water Recharge structure	45 No.	2880 Ha	5 years	540.00
17.5				Fishery Ponds/cattle Ponds	48 No.	246 Ha	5 years	46.08
17.6				Renovated WHS				
18				Farm Ponds	52 No.	140.4 Ha	5 years	23.40
18.1				Check Dams	40 No.	2134 Ha	5 years	400.00
18.2				Nallah Bunds	32 Km	96 Ha	5 years	16.00
18.3				Percolation Tank	Nil	Nil	Nil	Nil
18.4				Other Ground Water Recharge structure	Nil	Nil	Nil	Nil
18.5				Fishery Ponds/cattle Ponds	25 Nos.	67.5 Ha	5 years	11.25

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18.6		DoRD-MoRD	Convergence with MGNREGA	Newly Created							
19				Water Conservation							
19.1				Water Harvesting	34 Nos	4532 Ha	5 years	850.00			
19.2				Creation of Irrigation canals & Drains	Nil	Nil	Nil	Nil			
19.3				Providing Infrastructure for Irrigation	Nil	Nil	Nil	Nil			
19.4				Land Development	1500 Ha	1500 Ha	5 years	900.00			
19.5				Renovation							
20				Renovation of water bodies including desilting:	Nil	Nil	Nil	Nil			
20.1				Renovation & Maintenance of Irrigation Canals & Drains	Nil	Nil	Nil	Nil			
							Newly Created				
17	Howraghat	DoLR-MoRD	PMKSY Watershed	Farm Ponds	249 nos	498 Ha	5 years	239.04			
17.1				Check Dams	251 nos	25100 Ha	5 years	3765.00			
17.2				Nallah Bunds	100.533 km	3352 Ha	5 years	502.67			
17.3				Percolation Tank	252 nos	504 Ha	5 years	302.04			
17.4				Other Ground Water Recharge structure	76 nos	6080 Ha	5 years	912.00			
17.5				Fishery Ponds/cattle Ponds	151 nos	302 Ha	5 years	144.96			
17.6				Rubber Plantation	220 Ha	220 Ha	5 years	224.4			
18				Turmeri	35 Ha	35 Ha	5 years	6.825			
18.1				Boulder Pitching	1580 Rm	33.5 H	5 years	13.56			
18.2				Earthen Channel	5200 Rm	33.5 H	5 years	4.992			
18.3				Brick Channel	7500 Rm	340 Ha	5 years	51.00			
18.4				Horticulture	80 Ha	80 Ha	5 years	11.60			
18.5				Diversion Drain	400 Rm	533 Ha	5 years	80.00			
18.6				Land Development	500 Ha	500 Ha	5 years	75.00			
19				Field Bund	3500 Rm	28 Ha	5 years	4.20			
19.1				Road Side Plantation	1780 Nos	1.6 Ha	5 years	32.04			
19.2				Potato/Cabbage	30 Ha	30 Ha	5 years	7.20			
19.3				Gabion Structure	380 Sqm	82 Ha	5 years	12.35			
19.4				Renovated WHS							
19.5				Farm Ponds	76 nos	152 Ha	5 years	34.20			
20				Check Dams	49 nos	3267 Ha	5 years	490.00			
20.1				Nallah Bunds	60.32 km	2011 Ha	5 years	301.60			
19.4				Percolation Tank	19 nos	38 Ha	5 years	11.4			
19.5				Other Ground Water Recharge structure	23 nos	1227 Ha	5 years	184			
20				Fishery Ponds/cattle Ponds	126 nos	190 Ha	5 years	56.7			
20.1							Newly Created				
20.2					DoLD-MoRD	Convergence with MGNREGA	Water Conservation				
							Water Harvesting	41 nos	2187	5 years	328.00
							Creation of Irrigation canals & Drains	32 nos.	Nil	Nil	Nil
							Providing Infrastructure for Irrigation	Nil	Nil	Nil	Nil
	Land Development	1885 H	1885 Ha				5 years	1131.00			

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				Renovation						
				Renovation of water bodies including desilting:	20 nos.	1067 Ha	Nil	160		
				Renovation & Maintenance of Irrigation Canals & Drains	Nil	Nil	Nil	Nil		
Sub Total Howraghat Dev Block								9086.14		
Bokajan	DoLD-MoRD	PMKSY Watershed	Newly Created							
			Farm Ponds	59 nos	118 Ha	5 years	56.64			
			Check Dams	38 nos	3800 Ha	5 years	570.00			
			Nallah Bunds	120 km	4000 Ha	5 years	600.00			
			Percolation Tank	120 nos	200 Ha	5 years	144.00			
			Other Ground Water Recharge structure	59 nos	3147 Ha	5 years	472.00			
			Fishery Ponds/cattle Ponds	120 nos	240 Ha	5 years	54			
			Road Side Plantation	1100 nos	1 Ha		19.8			
			Land Reclamation	300 nos	240 Ha	5 years	36			
			Gabion Structure	250 Sqm	250 Ha	5 years	8.125			
			Brick Channel	10025 Rm	455 Ha	5 years	68.17			
			Bamboo Plantation	75 Ha	75 Ha	5 years	34.26			
			Broom Plantation	40 Ha	40 Ha	5 years	24			
			Field Bund	8334 Rm	67 Ha	5 years	10.00			
			Rubber Palntation	120 Ha	120 Ha	5 years	122.40			
			Earthen Channel	4000 Rm	20 Ha	5 years	3.84			
			Boulder Pitching	800 Sqm	1.5 Ha	5 years	6.86			
			Ginger Cultivation	120 Ha	120 Ha	5 years	16.80			
			Horticulture Plantation	135 Ha	135 Ha	5 years	19.575			
			Contour Bunding	1220 Ha	1220 Ha	5 years	146.40			
			Land Development	250 Ha	250 Ha	5 years	37.50			
			Level Bench Terracing	35 Ha	35 Ha	5 years	31.26			
			Live Check Dam	140 Nos		5 years	9.94			
						Renovated WHS				
						Farm Ponds	59 nos	118 Ha	5 years	26.55
						Check Dams	39 nos	2600 Ha	5 years	390.00
						Nallah Bunds	45.50 km	1517 Ha	5 years	227.50
				Percolation Tank	16 nos	20 Ha	5 years	9.6		
				Other Ground Water Recharge structure	19 nos	198 Ha	5 years	152		
				Fishery Ponds/cattle Ponds	99 nos	198 Ha	5 years	44.55		
		DoLR-MoRD	Convergence with MGNREGA	Newly Created						
					Water Conservation					
					Water Harvesting	31 nos	1650 Ha	5 years	248	
				Creation of Irrigation canals & Drains	Nil	Nil	Nil	Nil		
				Providing Infrastructure for Irrigation	Nil	Nil	Nil	Nil		
			Land Development	1485 H	1485 Ha	5 years	891			

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				Renovation						
				Renovation of water bodies including desilting:	16 nos	850 Ha	Nil	128		
				Renovation & Maintenance of Irrigation Canals & Drains	Nil	Nil	Nil	Nil		
				Sub total Bokajan Dev. Block				4608.77		
				Newly created WHS						
17	Chingthong	DoLR-MoRD	PMKSY Watershed	Farm Ponds	128 No	549.2 Ha	5 years	122.88		
17.1				Check Dams	85 No.	8500 Ha	5 years	1275.00		
17.2				Nallah Bunds	120.5 Km.	1205 Ha	5 years	180.75		
17.3				Percolation Tank	115 No.	920 Ha	5 years	138.00		
17.4				Other Ground Water Recharge structure	20 No.	1650 Ha	5 years	240.00		
17.5				Fishery Ponds/cattle Ponds	35No.	224 Ha	5 years	33.60		
17.6										
18							Renovated WHS			
18.1				Farm Ponds	33 No.	105 Ha	5 years			
18.2			Check Dams	25 No.	1655 Ha	5 years	250.00			
18.3			Nallah Bunds	40.8 Km.	122.5 Ha	5 years	20.40			
18.4			Percolation Tank	Nil	Nil	Nil	Nil			
18.5			Other Ground Water Recharge structure	Nil	Nil	Nil	Nil			
18.6			Fishery Ponds/cattle Ponds	15 No.	114 Ha	5 years	6.75			
19						Newly Created				
19.1			Water Conservation							
19.2			Water Harvesting	20 Nos,	3200 Ha	5 years	500.00			
19.3			Creation of Irrigation canals & Drains	Nil	Nil	Nil	Nil			
19.4			Providing Infrastructure for Irrigation	Nil	Nil	Nil	Nil			
19.5	Land Development	950 Ha	950 H	5 years	570.00					
20				Renovation						
20.1	Renovation of water bodies including desilting:	Nil	Nil	Nil	Nil					
20.2	Renovation & Maintenance of Irrigation Canals & Drains	Nil	Nil	Nil	Nil					
17	Langsomepi	DoLR-MoRD	PMKSY Watershed	Newly Created						
17.1		DoLR-MoRD		Farm Ponds	141 nos	282 Ha	5 years	135.36		
17.2		DoLR-MoRD		Check Dams	147 nos	14700 Ha	5 years	2205.00		
17.3		DoLR-MoRD		Nallah Bunds	96.00 km	3200 Ha	5 years	480.00		
17.4		DoLR-MoRD		Percolation Tank	134 nos	368 Ha	5 years	160.80		
17.5		DoLR-MoRD		Other Ground Water Recharge Structure	45 nos	3600 Ha	5 years	540.00		
17.6		DoLR-MoRD		Fishery Ponds/cattle Ponds	90 nos	90 Ha	5 years	40.50		
18		DoLR-MoRD		Rubber Plantation	520 Ha	520 Ha	5 years	530.40		
18.1		DoLR-MoRD		Broom Plantation	350 Ha	350 Ha	5 years	210.00		
18.2		DoLR-MoRD		Brick Channel	1259 Rm	57 Ha	5 years	8.56		

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18.3		DoLR-MoRD		Bamboo Plantation	420 Ha	420 Ha	5 years	191.86
18.4		DoLR-MoRD		Ginger Cultivation	120 Ha	120 Ha	5 years	144.00
18.5		DoLR-MoRD		Land Reclamation	900 Ha	900 Ha	5 years	163.80
		DoRD-MoRD		Field Bund	7500 Rm	56 Ha	5 years	8.40
		DoRD-MoRD		Horticulture Plantation	50 Ha	50 Ha	5 years	36.00
		DoRD-MoRD		Drainage Channel	100 Ha	100 Ha	5 years	12.00
		DoRD-MoRD		Bench Terracing	250 Ha	250 Ha	5 years	241.25
		DoRD-MoRD		Afforestation	80 Ha	80 Ha	5 years	18.10
		DoRD-MoRD		Contour Bunding	150 Ha	150 Ha	0	18.00
		DoRD-MoRD		Land Development	500 Ha	500 Ha	5 years	75.00
		DoRD-MoRD		Pasture Land Development	100 Ha	100 Ha	5 years	11.20
		DoRD-MoRD		Live Check Dam	180 Ha	85 Ha	5 years	12.78
		Do		Road Side Plantation	2000 Nos	240 Ha	5 years	36.00
		DoLR-MoRD		Boulder Gabion	1500 m2	1933 Ha	5 years	289.95
		DoLR-MoRD		Turmeric Cultivation	50 Ha	50 Ha	5 years	65.00
		DoLR-MoRD		Sesamum Cultivation	40 Ha	40 Ha	Do	10.40
		DoLR-MoRD		Pipe Irrigation	8500 Rm	68 Ha	Do	10.20
		DoLR-MoRD		Irrigation Channel	1800 Rm	240 Ha	5 years	36.00
		DoLR-MoRD		Improvement of existing community pond distillation	5000 m3	5 Ha	Do	3.55
		Do		Renovated WHS				
		DoLR-MoRD		Farm Ponds	45 nos	90 Ha	5 years	20.25
		DoLR-MoRD		Check Dams	29 nos	1934 Ha	5 years	290.00
		DoLR-MoRD		Nallah Bunds	38.0 km	1260 Ha	5 years	190.00
		DoLR-MoRD		Percolation Tank	12 nos	24 Ha	5 years	7.2
		DoLR-MoRD		Other Ground Water Recharge structure	14 nos	747 Ha	5 years	112
		DoLR-MoRD		Fishery Ponds/cattle Ponds	75 nos	150 Ha	5 years	33.75
		DoRD-MoRD		Newly Created				
		DoRD-MoRD		Water Conservation				
		DoRD-MoRD		Water Harvesting	24 nos	1280 Ha	5 years	192.00
		DoRD-MoRD		Creation of Irrigation canals & Drains	Nil	Nil	Nil	Nil
		DoRD-MoRD		Providing Infrastructure for Irrigation	Nil	Nil	Nil	Nil
		do		Land Development	1120 Ha	1120 Ha	5 years	672.00
		DoLR-MoRD		Renovation				
		DoLR-MoRD		Renovation of water bodies including desilting:	12 nos	640 Ha	Nil	96.00
		DoLR-MoRD		Renovation & Maintenance of Irrigation Canals & Drains	Nil	Nil	Nil	Nil
				Newly Created WHS				
	Lumbajong							
		DoLR-MoRD	PMKSY Watershed	Farm Pond	72 nos	144 Ha	5 years	69.12
		DoLR-MoRD		Check Dams	47 nos	4700 Ha	5 years	705.00

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		D		Nallah Bund	154.0 km	1920 Ha	5 years	770.00
		DoLR-MoRD		Percolation Tanks	145 nos	290 Ha	5 years	174.00
		DoLR-MoRD		Other Ground Water Recharge Structure	72 nos	3840 Ha	5 years	576.00
		DoLR-MoRD		Fishery Pond/ Cattle Pond	145 nos	435 Ha	5 years	65.25
		DoLR-MoRD		Rubber Plantation	100 Ha	100 Ha	5 years	102.00
		DoLR-MoRD		Bamboo Plantation	52 Ha	52 Ha	5 years	23.75
		DoLR-MoRD		Broom Plantation	35 Ha	35 Ha	5 years	21.00
		D		Level Bench Terrace	215 Ha	215 Ha	5 years	32.25
		DoRD-MoRD		Road Side Plantation	1800 nos	1.7 Ha	5 years	32.04
		DoRD-MoRD		Agro Forestry	40 Ha	40 Ha	5 years	46.4
		DoRD-MoRD		Fodder	55 Ha	55 Ha	5 years	8.91
		DoRD-MoRD		Field Bund	90 Ha	90 Ha	5 years	13.50
		DoRD-MoRD		Water Distribution Channel	130 Ha	130 Ha	5 years	19.50
		DoRD-MoRD		Drainage Channel	450 Ha	450 Ha	5 years	67.50
		DoRD-MoRD		Graded Bund	300 Ha	300 Ha	5 years	45.00
		DoRD-MoRD		Slab Culvert	25 No	160 Ha	5 years	24.25
		Newly created WHS		Renovated WHS				
		DoLR-MoRD		Farm Pond	72 nos	144 Ha	5 years	32.40
		DoLR-MoRD		Check Dams	47 nos	3130 Ha	5 years	470.00
		DoLR-MoRD		Nallah Bund	57.60 km	1195 Ha	5 years	288.00
		DoLR-MoRD		Percolation Tanks	19 nos	38 Ha	5 years	11.40
		DoLR-MoRD		Other Ground Water Recharge Structure	23 nos	1225 Ha	5 years	184.00
		DoLR-MoRD		Fishery Pond/ Cattle Pond	120 nos	240 Ha	5 years	54.00
		0		Newly Created				
		DoLR-MoRD	Convergence with MGNREGA	Water Conservation				
		DoLR-MoRD		Water Harvesting	38 nos	2020 Ha	5 years	304.00
		DoLR-MoRD		Creation of Irrigation Canal & Drains	Nil	Nil	Nil	Nil
		DoLR-MoRD		Providing Infrastructure for irrigation	Nil	Nil	Nil	Nil
		DoLR-MoRD		Land Development	1800 H	1800 Ha	5 years	1080.00
		DoLR-MoRD		Renovation				
		DoLR-MoRD		Renovation of water bodies including desilting	19 nos	1015 Ha	Nil	152.00
		DoRD-MoRD	Renovation of irrigation Canals & Drain	Nil	Nil	Nil	Nil	
				Newly Created WHS				
		DoRD-MoRD	PMKSY Watershed	Farm Pond	52 nos	104 Ha	5 years	49.92
		DoRD-MoRD		Check Dams	35 nos	3500 Ha	5 years	525.00
		DoRD-MoRD		Nallah Bund	113 km	3760 Ha	5 years	565.00
		DoRD-MoRD		Percolation Tanks	89 nos	178 Ha	5 years	106.80
		DoRD-MoRD		Other Ground Water Recharge Structure	51 nos	2720 Ha	5 years	408.00
		DoLR-MoRD		Fishery Pond/ Cattle Pond	118 nos	226 Ha	5 years	53.10
		DoLR-MoRD		Land Dev. Without core walling	150 Ha	150 Ha	5 years	147.00

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	DoLR-MoRD	Contor Bunding	4500 Rm	38 Ha	5 years	5.72
	DoLR-MoRD	Bench Terracing	120 Ha	120 Ha	5 years	115.20
	DoLR-MoRD	Staggered Trecnh	150000 m	710 Ha	5 years	106.50
	DoLR-MoRD	Brick Channel	5800 Rm	263 Ha	5 years	39.44
	DoLR-MoRD	Rubber Plantation	180 Ha	180 Ha	5 years	183.60
	DoLR-MoRD	Broom Plantation	120 Ha	120 Ha	5 years	72.00
	DoLR-MoRD	Turmeric Cultivation	90 Ha	90 Ha	5 years	117.00
	DoLR-MoRD	Ginger Cultivation	75 Ha	75 Ha	5 years	90.00
	DoLR-MoRD	Renovated WHS				
	DoLR-MoRD	Farm Pond	46 nos	92 Ha	5 years	20.70
	DoLR-MoRD	Check Dams	32 nos	2130 Ha	5 years	320.00
	DoLR-MoRD	Nallah Bund	41.80 km	1517 Ha	5 years	209.00
	DoLR-MoRD	Percolation Tanks	8 nos	16 Ha	5 years	4.80
	DoLR-MoRD	Other Ground Water Recharge Structure	16 nos	850 Ha	5 years	128.00
	DoLR-MoRD	Fishery Pond/ Cattle Pond	96 nos	192 Ha	5 years	43.20
	DoLR-MoRD	Newly Created				
	DoLR-MoRD	Water Conservation			5 years	
	DoLR-MoRD	Water Harvesting	42 nos	2240 Ha	5 years	336.00
	DoLR-MoRD	Creation of Irrigation Canals & Drains	Nil	Nil	Nil	Nil
	DoLR-MoRD	Providing Infrastructure for irrigation	Nil	Nil	Nil	Nil
	DoLR-MoRD	Land Development	1520 H	1520 Ha	5 years	912.00
	DoLR-MoRD	Renovation				
	DoLR-MoRD	Renovation of water bodies including desilting	22 nos	1175 Ha	5 years	176.00
	DoLR-MoRD	Renovation of Irrigation Canals & Drains	Nil	Nil	Nil	Nil
sub Total Rongbongwee Dev. Block						4733.98

Existing Project/Scheme				
Type of Scheme	Nos.	Area Covered	Farmers Benefited	Location
STW	250 nos.	500 ha	750 nos	In different locations of MAC Constituency in Karbi Anglong
LLP	600 nos.	1800 ha.	1800 nos.	
Water Harvesting Structure	150 nos.	20 ha.	300 nos.	
Land Development	50 nos.	500 ha.	500 ha.	
Minor Irrigation	30 nos.	700 ha.	1400 nos.	
		3520 ha.	4750.nos	

Proposed Project/Scheme under PMKSY					
Type of Scheme	Nos	Area to be Covered (Ha.)	Farmer to be Benefited (Nos.)	Estimated cost (Lakhs)	Location

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STW	1045	870	3095	365.7	Samelangso Block, Langsomepi, Howraghat, Rongkang
Ponding type WHS	220	430	1250	970	do
Developing existing water bodies	185	474	828	370	do
LLP	370	460	740	250	do
Drip Irrigation	LS	430	540	100	do
Const. of RRC Drop Structure	1	83	80	100	Langsomepi Block
Developing Nalani Bill	1	100	200	20	do
		2847	6733	2175.7	

Sl. No	Name of Department	Existing Project/Scheme						Proposed Project/Scheme under PMKSY				
		Type of Scheme	Nos.	Area Covered	Farmers Benefited	Location	Type of Scheme	Nos	Area to be Covered (Ha.)	Farmer to be Benefited (Nos.)	Estimated cost (Lakhs)	Location
1	Agriculture						STW	1045	870	3095	365.7	Samelangso Block, Langsomepi, Howraghat, Rongkang
							Ponding type WHS	220	430	1250	970	do
							Developing existing water bodies	185	474	828	370	do
							LLP	370	460	740	250	do
							Drip Irrigation	LS	430	540	100	do
							Const. of RRC Drop Structure	1	83	80	100	Langsomepi Block
							Developing Nalani Bill	1	100	200	20	do
	Sub Total							2847	6733	2175.7		

PMKSY (Proposed)						
Sl. No	Type of Scheme	Nos.	Area to be Covered (Ha)	Farmers to be benefited (Nos.)	Location	Estimated Cost.
1	STW	200 Nos.	180 Hac.	600 Nos.	Villages	70.00 L
2	Ponding Type WHS	60 Nos.	120 hac	300 Nos.	Ramsing Tisso gaon	250.00 L
3	Developing Existing Water Bodies	45 nos.	160 Hac	220 Nos.	Langtuk Tisso Goan	90.00 L
4	LLP	60 Nos.	80 Hac.	120 Nos.	Chandra Sing	21.00 L

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5	Drip Irrigation	L.S	100 Hac.	110 Nos.	Rongphar Rongita Killing Sarlo Bey	50.00 L
			640.00 Hac.	1350. Nos		471.00 L

PMKSY (Proposed)						
Sl. No	Type of Scheme	Nos.	Area to be Covered (Ha)	Farmers to be benefited (Nos.)	Location	Estimated Cost.
1	STW	80 Nos.	80 Hac.	200 Nos.	Villages No-2 Udali No-1 Udali Haglakata Jamunapar Haglakata	28.00 L
2	Ponding Type WHS	30 Nos.	60 hac	300 Nos.		120.00 L
3	Developing Existing Water Bodies	20 nos.	90 Hac	80 Nos.		40.00 L
4	LLP	160 Nos.	120 Hac.	320 Nos.		56.00 L
5	Drip Irrigation	L.S	40Hac.	100 Nos.		50.00 L
6	Construction of RCC Drop Structure	1 No.	83 Hac.	80Nos.		100.00 L
7	Developing Nalani Bill	1 No.	100 Hac.	200 Nos.		20.00 L
			573.00 Hac.	1350 Nos.		414.00 L

PMKSY (Proposed)						
Sl. No	Type of Scheme	Nos.	Area to be Covered (Ha)	Farmers to be benefited (Nos.)	Location	Estimated Cost.
1	STW	150 Nos.	130 Hac.	450 Nos.	Villages:- 1. Dimbeswar Engti Village 2. Modon Kro Village 3. Sarthe Teron Village 4. Mai Hanse Village 5. Sai Rongpi Village 6. godabari Village 7. Khejur Village 8. Borpukhuri Village Block:- howraghat	52.50 L
2	Ponding Type WHS	50 Nos.	90 hac	250 Nos.		200.00 L
3	Developing Existing Water Bodies	40 nos.	110 Hac	220 Nos.		80.00 L
4	LLP	50 Nos.	100 Hac.	100 Nos.		17.50 L
5	Drip Irrigation	L.S	100 Hac.	120 Nos.		50.00 L
			530.00 Hac.	1140. Nos		400.00 L

Sl. No	Type of Scheme	Nos.	Area to be Covered (Ha)	Farmers to be benefited (Nos.)	Location	Estimated Cost.
1	STW	252Nos.	200 Hac.	756 Nos.	Villages:-	88.20 L

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2	Ponding Type WHS	50 Nos.	80 hac	200 Nos.	1. Hartho Vill No-1 2. Rongmir engti Vill 3. Dilip Sing Terang gaon 4. Long Hanse gaon 5. Artu Basar Gaon 6. Hanthor No-2 Longki Ronpi Gaon 8. Rubsing Timung 9. Rongbagbungrung Vill 10.Mon Teron Gaon 11. Harsing Terang Gaon 12.therbelang Rongphar Gaon 13. Harsing Teron Gaon Block:- Rongkhang	200.00 L
3	Developing Existing Water Bodies	40 nos.	54 Hac	148 Nos.		80.00 L
4	LLP	50 Nos.	80 Hac.	100 Nos.		17.50 L
5	Drip Irrigation	L.S	90 Hac.	100 Nos.		50.00 L
			504.00 Hac.	1305. Nos		435.70 L

Sl. No	Type of Scheme	Nos.	Area to be Covered (Ha)	Farmers to be benefited (Nos.)	Location	Estimated Cost.
1	STW	363 Nos.	280 Hac.	1089 Nos.	Villages:- 1. Da-Gaon 2. Bam Gaon 3. Maz gaon 4. Kapili Par-1 5. Kapili Par-1 6. Bali Kuchi 7. Demo Gaon 8. Bamun Bori 9. Goro Mari 10.Pitoni Par Block:- Rongkhang	127 L
2	Ponding Type WHS	30 Nos.	80 hac	200 Nos.		200.00 L
3	Developing Existing Water Bodies	40 nos.	60 Hac	160 Nos.		80.00 L
4	LLP	50 Nos.	80 Hac.	100 Nos.		17.50 L
5	Drip Irrigation	L.S	100 Hac.	110 Nos.		50.00 L
			573.00 Hac.	1305. Nos	474.50 L	

PMKSY (Proposed)						
Sl. No	Type of Scheme	Nos.	Area to be Covered (Ha)	Farmers to be benefited (Nos.)	Location	
1	STW	250 Nos.	500 Hac.	750 Nos.	In different locations of MAC Constituencies in Karbi Anglong	
2	LLP	600 Nos.	1800 hac	1800 Nos.		
3	Water Harvesting Structure	150 nos.	20 Hac	300 Nos.		
4	Land Development	50 Nos.	500 Hac.	500 Nos.		
5	Minor Irrigation	30 Nos.	700 Hac.	1400 Nos.		
			3520 Hac.	4750 Nos.		