

# DISTRICT IRRIGATION PLAN



Bongaigaon, Assam

# **District Irrigation Plan, 2016-2020**

## **Bongaigaon, Assam**



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## Executive Summary

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

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

Government of India launched Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) to address the constraints in providing assured irrigation as well as increasing efficiency and productivity of current water use to bring more prosperity to the rural areas. Priorities of Government of

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

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

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

**District Profile and Demography:** Bongaigaon District is located in western part of Assam and in northern Bank of the River Brahmaputra between latitudes 26°09'52"N and 26°30'03"N and longitudes 92°22'47" E covering an area of 1,806 sq. km. The district has total 55'809 ha of forest land. Net area sown is 94908 ha, current fallow of 7,011 ha and cultivable area of 99,94r ha. The total cropped area of the district is 1,56,397 ha. The district receives heavy rainfall of 3219.1 mm in an average under the influence of south west monsoon' In general, the temperature of the atmosphere varies from 12 to 36°C throughout the year. Humidity is high ranging up to 93% during rainy season.

The highest population in the district is in Boitamari block with a total population of 1,42,884. The next most populous districts are Manikpur, Srijangram, Tapattary and Dangtol. The number of children however is maximum in Manikpur block. Overall the total population in the district is 6, 34,848.

**Agriculture in Bongaigaon:** Agriculture is the major contributors to the Net State Domestic Product and is the largest employer of the workforce in Bongaigaon district. A robust growth in the agricultural sector is of crucial importance for speedy development of the economy and it needs to grow atleast @ 4% p.a. The agro climatic conditions of the district are conducive for various agricultural activities. Farming continues to be the major occupation in the district. As per Census 2011, there were 2.6 lakh workers in the district. Out of that 0.83 lakh cultivators and 0.5247 lakh agricultural labourers depended on agriculture for their livelihood. Secondary sector has also grown around agriculture in form of agro processing industries, farm equipment units etc. In recent years a trend of diversion of agriculture land for some other activities has been observed. This trend together with deterioration in soil health, decreasing size of land holdings & inadequate marketing network constraining optimum price realisation by farmers has put a challenge on not only increasing the current production/ productivity level but also sustaining the increasing trend.

Major crops cultivated are Paddy, Jute, Wheat, Sugarcane, Potato, Mustard, etc. The average size of land holding is less than 1 ha. Commercial cultivation of Banana, vegetables & medicinal crops like Mentha, Tulsi is gradually increasing. The Gross Cropped Area of the district was 105421 ha and net sown area was 67635 ha constituting 44.5% of geographical area. An area of 37786 was sown more than once. The cropping intensity is 156%.

**Demand for water sources and the gap:** The present water demand of the district has been assessed to be 826.34 MCM annually. Out of the total water demand 789.26 mcm (95 percent) is the requirement from crop production. Nearly 31.28 mcm is required for domestic water requirement and another 5.80 mcm (or 1%) is required for livestock water requirement purpose. There is no water requirement for industrial use and power generation.

The projected water demand of the district has been assessed to be 829.37 MCM annually. Out of the total water demand 789.26 mcm (95 percent) is the requirement from crop production. Nearly 33.86 mcm is required for domestic water requirement and another 6.25 mcm (or 5%) is required for livestock water requirement purpose. There is no water requirement for industrial use and power generation

The water budget shows wide gaps between water availability and water demand in the district. The present water demand is 826.34 mcm and projected demand is 829.37 mcm.

**Component wise proposed plan:** The total planned outlay under PMKSY in the district is 326.98 crores. Among the four components, nearly Rs.145.17 crores (or 44%) will be the allocation for AIBP component. The other large allocation include Rs.84.26 crores (or 26%) under Per Drop More Crop. The major activities proposed under the component include the promotion of drip and sprinkler irrigation systems. Har Khet Ko Pani component has 69.77 crores (21%) planned outlay for it. Watershed component has considerably less outlay planned on it with only 27.76 crores (9%) for it.

**Department wise proposed plan:** Department-wise, Irrigation Department has the highest share with 161.36 crores or 49% of the planned outlay in Bongaigaon. Department of Agriculture has the second highest share with 137.85 crores or 42% of the planned outlay. Soil Conservation Department which is responsible for watershed activities accounts for 27.76 crores or 9% of the total planned outlay.

**Block wise planned outlay:** Bongaigaon district may require a total estimated outlay of Rs.326.98 crores to implement PMKSY project for 2016-17 to 2019-20 out of which Rs.92.31 crores (28%) will be spent in Srijangram block. The outlay allocated for other blocks are Rs.88.83 crores (27%) to Manikpur block followed by Dangtol block with an outlay of

Rs.70.77 crores (22%), Tapattary block with an outlay of Rs.41.95 crores (13%) and Boitamari block with an outlay of Rs.33.09 crores constituting 10% of the total outlay.

## Introduction

### i. 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 73<sup>rd</sup> and 74<sup>th</sup> 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 preparation of a draft development plan for the whole district.

The decentralized planning process was strengthened further 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 11<sup>th</sup> five year plan. Planning commission issued guidelines in August 2006 on the preparation of the district plans. The guideline defines 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 29<sup>th</sup> May 2007 conceived a special Additional Central Assistance Scheme to address the slow growth of agriculture and allied sectors by incentivizing states to draw up plans for their agriculture sectors more comprehensively. The NDC resolution states "GoI will introduce a new Additional Central Assistance scheme to incentivize states to draw up plans for their agriculture sector more comprehensively, taking agro-climatic conditions, natural resource issues and technology into account, and integrating livestock, poultry and fisheries, etc. This will involve a new scheme for Additional Central Assistance (ACA) to State Plans, administered by the Union Ministry of Agriculture over and above its existing Centrally Sponsored Schemes, to supplement the state-specific strategies including special schemes for beneficiaries of land reforms. The newly created National Rainfed Area Authority will, on request, assist states in planning for Rainfed areas".

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

To prepare a Comprehensive District Agriculture Plan (C-DAP) through participatory process involving various organisations and stakeholders.

To enable optimum utilization 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 wanted 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) the local needs / crops / feed and fodder / animal husbandry / dairying / fisheries / priorities are reflected in the plan; (iii)the 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 state to receive funds from the program. The present District Irrigation Plan (DIP) 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, making water available to multiple uses, planning and management of water

resources and utilization of water economically, optimally and equitably assumes greater importance.

According to the 12<sup>th</sup> 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, the near constant supply of water resources in the face of increasing demand will strain the water supply-demand balance.

The per capita water availability which stood at 5177 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 a shortage of water in the medium term<sup>1</sup>. Further, the all India water balance estimates does not reflect the variations in water balance across time and space- certain areas having a positive water balance and the others facing acute shortage. The problem is further accentuated by water quality related issues.

With an abundant surface and ground water supply in the first five decades since independence, more than 80 percent of the total available water resources were earmarked for irrigation purposes and the rest for meeting domestic and industrial demands. A recent study<sup>2</sup> 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 but also 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 states where the availability of land and water are serious constraints

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

<sup>2</sup> 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.



for further expansion of irrigation. Further, as per the estimates of the then planning commission, out of a total of 141 million hectares of net sown area in the country, 114 million hectares (81%) is Irrigation Potential Created (IPC) and 88 million hectares (62%) is Irrigation Potential Utilized (IPU), leaving almost 20% of irrigated potential unutilized as on March 2012. This leaves 40 percent of the net sown area in the country dependent on rainfall which makes farming a high risk activity.

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

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.

Principle of equity and social justice must inform use and allocation of water.

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.

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.

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

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

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<sup>3</sup>Ministry of Water Resources, National Water Policy, 2012, Government of India, New Delhi.

water, after meeting the above needs, should be allocated in a manner to promote its conservation and efficient use.

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.

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.

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.

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.

The National Water Policy 2012 drives the water resource management program planning and management in the country. Government of India launched Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) to address the constraints to providing assured irrigation as well as increasing efficiency and productivity of current water use to bring more prosperity to the rural areas. Priorities of Government of India were reflected in the Hon'ble President's address to the joint Session of the Parliament of 16<sup>th</sup> 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 KhetKOPani’. 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 popularized to ensure ‘Per drop-More crop’.*”**

PMKSY has been approved with an indicative outlay of Rs.50,000 crore over a period of five years from 2015-16 to 2019-20. The programme is an amalgamation of on-going schemes of Ministry of Water Resources, River Development and Ganga Rejuvenation, Ministry of Agriculture & Cooperation and Ministry of Rural Development. The existing schemes AIBP, CADWM, MI, SWMA, and Watershed& Convergence with MGNREGA were brought together under the umbrella program of PMKSY. Further the scheme seeks convergence with scheme like Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNRES), Rashtriya Krishi Vikas Yojana (RKVY), Jawaharlal Nehru National Solar Mission and Rural Electrification programmes (JLNNSM&REP), Rural Infrastructure development Fund (RIDF), Member of Parliament Local Area Development Scheme (MPLAD), Member of Legislative Assembly Local Area Development Scheme (MPLALAD), Local body funds (LBF), Working Plan of State Forest Department (WPSFD) etc.

The PMKSY will be implemented in an area development mode by adopting a decentralized state level planning and project based execution structure that will allow the state to draw up their own irrigation development plans based on DIPs and SIPs with a horizon of 5-7 years. The program will be supervised and coordinated utilizing the existing mechanism and structure available under Rashtriya Krishi Vikas Yojana (RKVY) program with state agriculture department acting as the State Nodal Agency for implementation of PMKSY. However, the implementing departments for the four components like AIBP, PMKSY (HarKhetKoPani), 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 will be 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, State will be given additional weightage for levying charges on water and electricity for irrigation purposes, so as to ensure sustainability of the programme. Thirdly, inter state allocation of PMKSY fund will be decided based on (i) share of percentage of unirrigated area in the state vis-à-vis national average including prominence of areas classified under Dessert Development Programme (DDP) and Drought Prone Area Development Programme (DPAP) and (ii) 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 (iv) improvement in irrigation efficiency in the state.

## ii. Vision

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

## iii. Objective

The objective of the PMKSY program 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 (HarKhetkoPani),
- 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.

#### iv. 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 farmer 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.

#### v. Programme Components

PMKSY has the following four programme components

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

**2 PMKSY (Har Khet ko Pani)** 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 (HarKhet 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 pump sets including water carriage pipes, underground piping system. g) Extension activities for promotion of scientific moisture conservation and agronomic measures including cropping alignment to maximize use of available water including rainfall and minimize 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

#### **vi. Rationale/ Justification Statement**

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

## vii. Methodology

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

Collection of primary and secondary data from multiple sources including Season and Crop Reports, Statistical Handbook, District Census Handbook and other published documents and websites of different departments.

Meetings with state government departments and related institutions were held and meeting through VC was also held with state level authorities.

Discussions and interviews were held with officers of agriculture department, horticulture department, sub division soil conservation office, Agriculture Technology Management Agency (ATMA), District Watershed Development Agency (DWDA) of District Rural Development Agency (DRDA), Animal Husbandry department, Irrigation and Public Health department to identify the key issues and key focus areas of the region.

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.



## Chapter 1: General Information of the district

### 1.1 District Profile

Bongaigaon is the 2nd largest city of Lower Assam after Guwahati. Bongaigaon acts as the unofficial commercial capital and one of the most important cities in Assam. The city is one of the biggest commercial and industrial hubs of North-East India and also of Assam. It is also the 4th largest city of Assam by municipal area & population. Bongaigaon City acts also as the gateway of Northeast Frontier Railway zone with its New Bongaigaon Junction railway station, 2nd biggest railway station in Northeast India. The Asian Development Bank selected the city on their urban planning list of cities from other countries of Asia. Bongaigaon is one of the most populated urban agglomerations in west Assam with line of Guwahati, Dibrugarh, Jorhat and Silchar. The City is the administrative headquarters and municipal board of Bongaigaon District. It was the last capital of the Kamatapur Kingdom and home to many historical monuments of Assamese culture. The city is, divided into two parts – Old Bongaigaon and New Bongaigaon - is situated 180 kilometres north west of Guwahati, largest city of Assam. To meet the demands of Bodos of Assam, Bongaigaon was divided up to give way for Chirang district.

Bongaigaon District is located in western part of Assam and in northern Bank of the River Brahmaputra between latitudes 26°09'52"N and 26°30'03"N and longitudes 92°22'47" E covering an area of 1,806 sq. km. The district has total 55'809 ha of forest land. Net area sown is 94908 ha, current fallow of 7,011 ha and cultivable area of 99,94r ha. The total cropped area of the district is 1,56,397 ha. The district receives heavy rainfall of 3219.1 mm in an average under the influence of south west monsoon' In general, the temperature of the atmosphere varies from 12 to 36°C throughout the year. Humidity is high ranging up to 93% during rainy season.



Figure 1.1: Location Map of Bongaigaon District

## Brief History

The decision of the government of Assam was taken in 1989, to create a new district of Bongaigaon, carving out some areas of the Goalpara and Kokrajhar District with its headquarters located at Bongaigaon. On 29 September 1989, the creation of Bongaigaon District was declared by the Government of Assam with its headquarters at Bongaigaon. In 2005, Government of Assam declared Bongaigaon town as a city.

The original Goalpara district was first created in AD 1822 by David Scott, an employee of East India Company, who was the first Commissioner of newly created North East Rangpur district Hd. Qr. at Rangpur town (now in Bangla Desh) and newly created Goalpara district was also tagged with North-East Rangpur district for administration. The erstwhile Bijni Kingdom's area which included the undivided Garo Hills district area also constituted the original Goalpara district area in 1822. In 1866 Garo Hills was separated from Goalpara district area and in the same year a new district named "Greater Koch Behar" was created and the residual portion of Goalpara district was withdrawn from Rangpur and tagged with Koch Behar. In 1874 a new province named Assam Valley Province was created by the British government (successor of

East India Company) and Goalpara district area was withdrawn from Koch Behar and tagged with Assam Province which continues till today unless petty political gambling disturbs. Now the original Goalpara district has given birth to five districts namely: (i) Goalpara (ii) Bongaigaon (iii) Kokrajhar (iv) Bongaigaon and (v) Chirang.

## 1.2 Demography

Table 1.1: Block-wise population of male, female and children

Sl. No	Name of Block	No. of Panchayat	No. of village	Population			
				M	F	Ch (1-14 years)	Total
1	Dangtol	16	104	55658	55301	8290	110959
2	Boitamari	13	167	72796	70088	7960	142884
3	Manikpur	12	83	66112	64130	8950	130242
4	Srijangram	13	117	64541	62542	8805	127083
5	Tapattary	11	94	63717	59963	8445	123680
<b>Total</b>		<b>65</b>	<b>565</b>	<b>322824</b>	<b>312024</b>	<b>42450</b>	<b>634848</b>

Source: Department of Agriculture

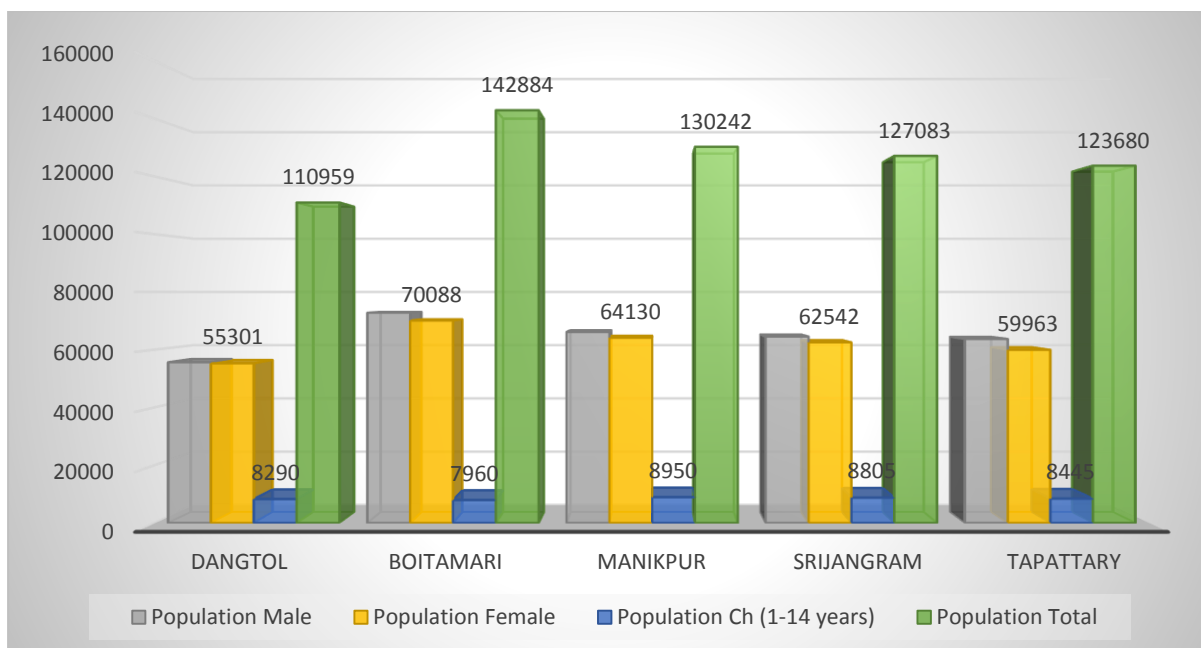


Figure 1.2: Block-wise male, female and children in Bongaigaon

The highest population in the district is in Boitamari block with a total population of 1,42,884. The next most populous districts are Manikpur, Srijangram, Tapattary and Dangtol. The number of children however is maximum in Manikpur block. Overall the total population in the district is 6,34,848.

Table 1.2: SC, ST and General Population in Bongaigaon

Sl. No	Name of Block	SC		ST		General		Total	
		No. of household	No. of member	No. of household	No. of member	No. of household	No. of member	No. of household	No. of member
1	Dangtol	1753	7923	1191	5448	21107	97588	24051	110959
2	Boitamari	3698	18661	1088	5122	23083	118901	27869	142684
3	Manikpur	3314	16466	338	1642	22188	112134	25840	130242
4	Srijangram	2286	11082	502	2393	23089	113698	25877	127173
5	Tapattary	2744	13834	140	662	19642	109104	22526	123600
<b>Total</b>		<b>13795</b>	<b>67966</b>	<b>3259</b>	<b>15267</b>	<b>109109</b>	<b>551425</b>	<b>126163</b>	<b>634658</b>

Source: Department of Agriculture

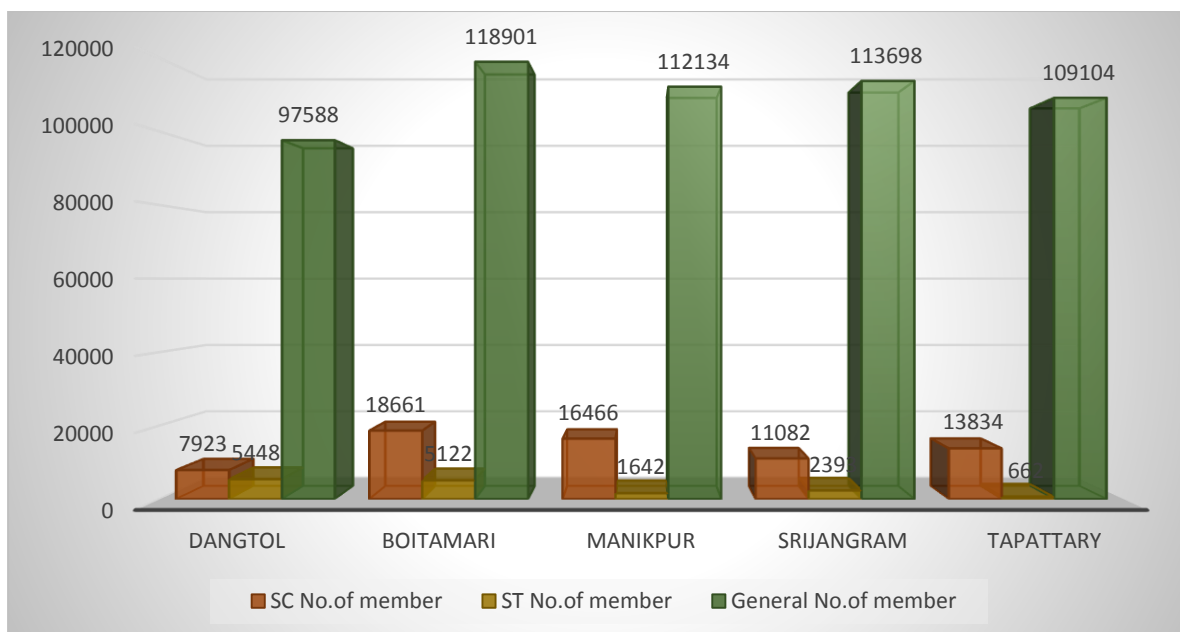


Figure 1.3: SC, ST and General population in Bongaigaon

All the blocks have SC, ST and General population in nearly the same ratio, with General population being the highest in all blocks, followed by Scheduled Caste and Scheduled Tribes. Dangtol block has a much favourable SC to ST ratio compared to other blocks in the district.

### 1.3 Biomass and Livestock

Table 1.3: Block-wise number of small animals in Bongaigaon

Name of Block	Small Animals				
	Poultry (No.)	Duck (No.)	Pigs(No.)	Goat(No.)	Sheep(No.)
<b>Manikpur Block</b>	43,426	14,802	315	12,948	4963
<b>Dangtol Block</b>	1,20,222	32,831	2939	30,630	1,276
<b>Boitamari Block</b>	93,926	19,749	3691	24,387	7,087
<b>Srijongram Block</b>	1,56,675	33,788	2534	43,087	18,301
<b>Tapattary Block</b>	1,19,499	14,151	1,464	23,309	9,262
<b>Total =</b>	<b>5,33,748</b>	<b>1,15,321</b>	<b>10,943</b>	<b>1,34,361</b>	<b>40,889</b>

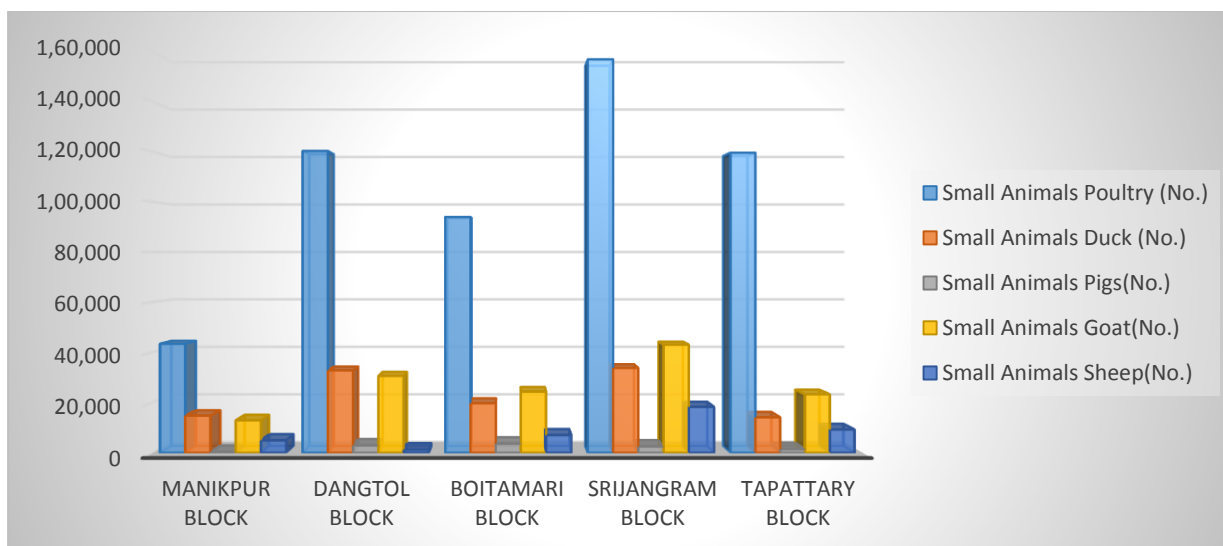


Figure 1.4: Block-wise number of small animals in Bongaigaon

The maximum number of poultry in the district is in Srijangram block with 1,56,675 animals. Dangtol block has the second largest poultry population with 1,20,222 poultry. In terms of overall livestock population, Boitamari block despite having the largest human population is second lowest block in terms of livestock population. This shows that farming or agriculture is not the predominant occupation in the block. Goat is the second most common livestock in the district after poultry. Ducks are also quite common in Bongaigaon with Srijangram having the highest number of ducks followed by Dangtol block.

Table 1.4: Block-wise number of large animals in Bongaigaon

Name of Block	Large Animals.		
	Indigenous Cow(No.)	Hybrid Cow(No.)	In descriptive Buffalo.
Manikpur Block	49,314	913	120
Dangtol Block	49,704	2212	270
Boitamari Block	36,844	1275	610
Srijangram Block	77,535	2,736	759
Tapattary Block	34,095	1,579	875
<b>Total =</b>	<b>2,47,492</b>	<b>8,715</b>	<b>2,634</b>

Source: Department of Agriculture

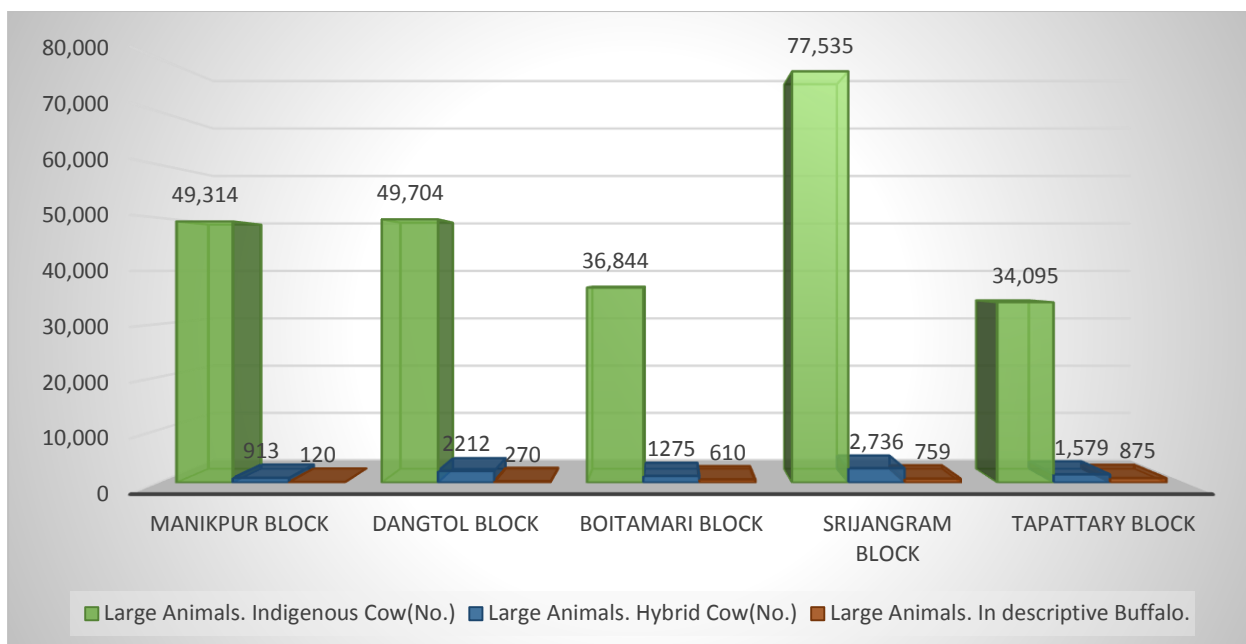


Figure 1.5: Block-wise number of large animals in Bongaigaon

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

Agro-ecology is the study of ecological processes that operate in agricultural production systems. The prefix agro- refers to agriculture. Bringing ecological principles to bear in agro ecosystems can suggest novel management approaches that would not otherwise be considered. Agro-ecology is the application of ecological concepts and methodological design for long-term enhancement and management of soil fertility and agriculture productivity. It provides a strategy to increase diversified agro-ecosystem. So it is benefiting the effect of the incorporation of plant and animal biodiversity, nutrient recycling; biomass creation and growth through the use of natural resource systems based on legumes, trees, and incorporation of livestock. These all make the basis of a sustainable agriculture and aim to improve the food system and societal sustainability. The agro-ecology supports production of both a huge quantity and diversity of good quality of food, thread and medicinal crops, together with family utilization and the market for economic and nutritionally at risk populations. Sustainable agricultural practices have to tackle the conservation of biodiversity, enhanced ecological functions, social tolerance, self-reliance, fairness, improved quality of life and economic productivity of crops and live- stock. Sustainability of agriculture is viewed critically from the point of food and ecological security at the regional scale.

Table 1.5: Agro-ecology of Bongaigaon

Block	Agro Ecological Zone Type	Type of terrain	Block Area (Ha)
Manikpur	Lower Brahmaputra Valley Zone	Plain	28038
Dangtol		Plain, Hilly area	24121
Boitamari		Plain, Hilly area	24080
Tapattary		Plain & Chor area	14329
Srijangram		Plain, Hilly area	20317

Source: Department of Agriculture

### Rainfall

The climate of the district is characterized by high rainfall and sub-humid-climate. The annual rainfall of 3,219 mm is distributed throughout the year from the month of April to October. The maximum rainfall occurs during the month of July-August, December and January are the driest months generally. Humidity of air is very high observed during the month of July.

Table 1.6: Block-wise rainfall in Bongaigaon

SLNo.	Block	Normal annual Rainfall (MM)	No. of Rainy Days (NO)	Maximum Rainfall Intensity (MM)		
				Up to 15 Min.	Beyond 15 but up to 30 Min.	Beyond 30 but up to 60 Min
1	Manikpur	3903	145	10	40	90
2	Dangtol	4306	136	12	45	91
3	Boitamari	3305	135	11	42	90
4	Tapattary	3215	125	10	42	92
5	Srijangram	3150	136	12	46	92

Source: Department of Agriculture



## Temperature

Table 1.7: Block-wise temperature in Bongaigaon

SLNo.	Block	Period								
		Summer (April – May)			Winter (Oct.- Mar)			Rainy( June- Sept)		
		Min	Max.	Mean	Min	Max.	Mean	Min	Max.	Mean
		1	Manikpur	20.11	33	26.6	12.23	21.15	16.69	19.26
2	Dangtol	20	33	26.5	12.2	21	16.6	19	28.5	23.75
3	Boitamari	20	33	26.5	12	21	16.6	19.3	28.5	23.9
4	Tapattary	20.5	33.5	27	11.75	20.5	16.13	19.2	28.7	23.95
5	Srijangram	20	33	26.5	12	21	16.6	19.3	28.5	23.9

Source: Department of Agriculture

## Potential Evapo-Transpiration

Table 1.8: Block-wise Potential Evapo-Transpiration in Bongaigaon

SLNo.	Block	Potential Evapo- Transpiration (PET)			
		Period			Cumulative
		Summer	Winter	Rainy Season	
1	Manikpur	83.89	82.31	84.83	251.03
2	Dangtol	84.25	82	84.7	250.95
3	Boitamari	83.5	82	84.8	250.3
4	Tapattary	83.26	82	84.6	249.86
5	Srijangram	83.27	82.5	84.7	250.47

Source: Department of Agriculture

## 1.5. Soil profile

The soil of the district is broadly classified into three categories i.e.

- (1) Soil capping over older alluvium is sandy, highly permeable, grayish brown in colour,
- (2) Soil on inselberg zones are clayey, lateritic, yellowish to reddish in colour and
- (3) The soil of the flood plain are sandy to silty loam and clayey loam in nature.

The characteristics of the soil are as follows.

- (a) Highly acidic to neutral, pH ranges from 4 to 7
- (b) Low in total soluble salt (0.1 to 0.61 ppm)
- (c) Low in organic carbon (0.7 to 3.00 ppm)
- (d) Low to medium phosphate content (9.8. to 158.8%)
- (e) Medium to high available potash content (45 to 365%)

Table 1.9: Block-wise Soil profile in Bongaigaon

Sl. No.	Name of Block	Soil type (Major soil classes)									
		Light gray		Red soil (Mixed)		Sandy Soil		Sandy Loam		Clay Loam	
		Area (Ha)	%	Area (Ha)	%	Area (Ha)	%	Area (Ha)	%	Area (Ha)	%
1	Manikpur	19626.2	70	8411.1	30	4766.46	17	17383.6	62	5887.98	21
2	Dangtol	15678.7	65	8442.35	35	2894.52	12	15919.9	66	5306.6	22
3	Boitamari	14688.8	61	9391.2	39	3852.8	16	15411.2	64	4816	20
4	Srijangram	14831.4	73	5485.59	27	3047.55	15	13409.2	66	3860.23	19
5	Tapattary	10316.9	72	4012.12	28	3009.09	21	9600.43	67	1719.48	12

Source: Department of Agriculture

## 1.7. Land use pattern

Table 1.10: Block-wise land use pattern in Bongaigaon

Sl. No.	Name of Block	Total Geographical area (HA)	Area under Agriculture				Area under Forest	Area under waste land	Area under other uses
			Gross cropped Area (1)	Net sown area (2)	Area sown more than once (1-2)	Cropping intensity			
1	Manikpur	28038	32894	18905	7412	174%	313	2493	3046
2	Dangtol	24121	21656	12446	5412	174%	2967	1143	990
3	Boitamari	24080	27862	16013	7942	174%	379	2364	1269
4	Srijangram	20317	20594	11836	5218	174%	315	1501	1127
5	Tapattari	14329	14694	8445	4021	174%	227	1125	1499
<b>TOTAL</b>		<b>110885</b>	<b>117700</b>	<b>67645</b>	<b>30005</b>	<b>174%</b>	<b>4201</b>	<b>8626</b>	<b>7931</b>

Source: Department of Agriculture

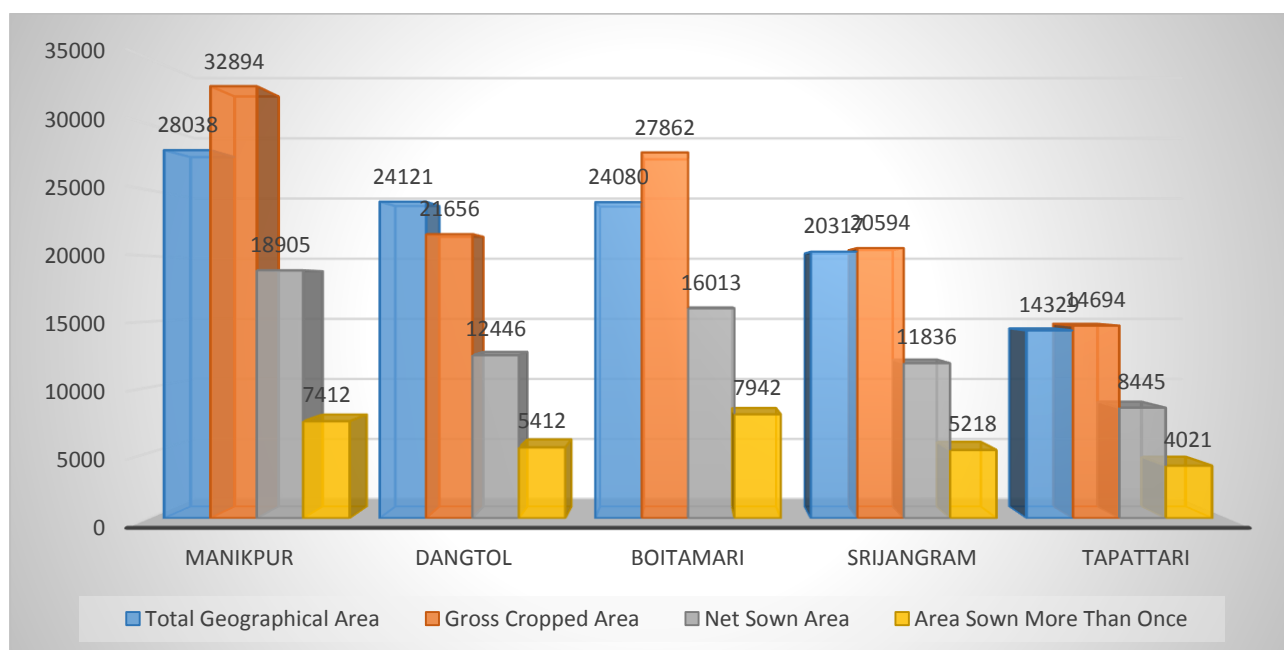


Figure 1.6: Agricultural Land Use in Bongaigaon

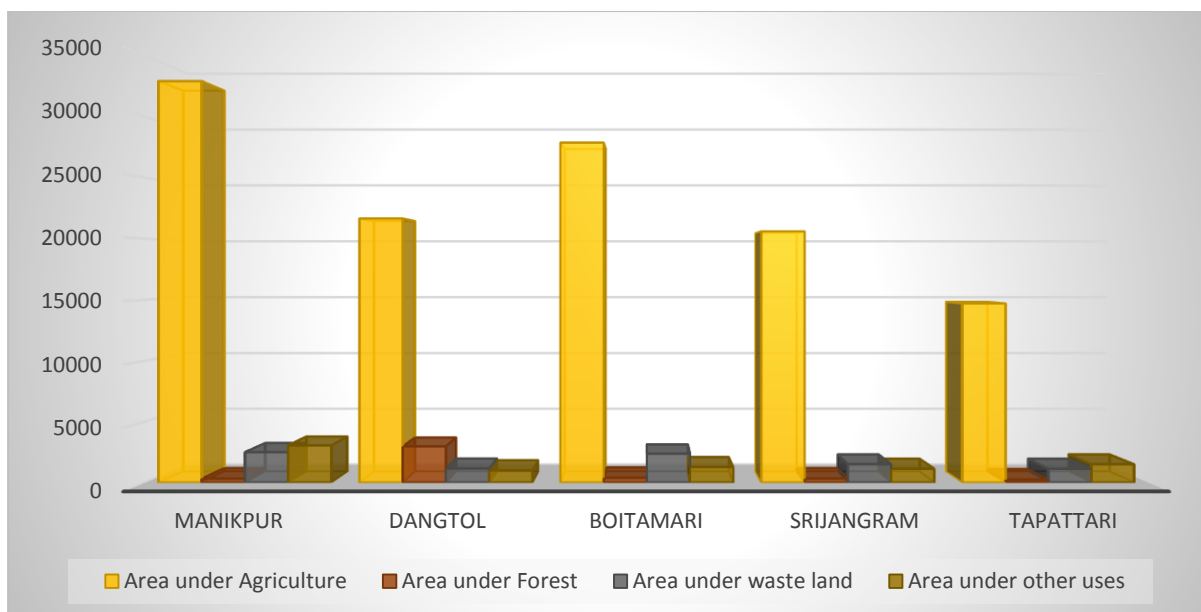


Figure 1.7: Land use in Bongaigaon

The greatest area under agriculture is in Manikpur block with 32,895 hectares of land as gross cropped area followed by Boitamari and Dangtol blocks. The least area under agriculture is in Tapattari block, but this may be due to the fact that it has the least geographical area as well. In terms of forest cover, Dangtol block has the highest area under forests with 2967 hectares or 14% of its total geographical area, considerably more than the other blocks in the district.

## Chapter 2: District water Profile

### 2.1 Area-wise, Crop-wise Irrigation Status

Agriculture is the major contributors to the Net State Domestic Product and is the largest employer of the workforce in Bongaigaon district. A robust growth in the agricultural sector is of crucial importance for speedy development of the economy and it needs to grow atleast @ 4% p.a. The agro climatic conditions of the district are conducive for various agricultural activities. Farming continues to be the major occupation in the district. As per Census 2011, there were 2.6 lakh workers in the district. Out of that 0.83 lakh cultivators and 0.5247 lakh agricultural labourers depended on agriculture for their livelihood. Secondary sector has also grown around agriculture in form of agro processing industries, farm equipment units etc. In recent years a trend of diversion of agriculture land for some other activities has been observed. This trend together with deterioration in soil health, decreasing size of land holdings & inadequate marketing network constraining optimum price realisation by farmers has put a challenge on not only increasing the current production/ productivity level but also sustaining the increasing trend.

Major crops cultivated are Paddy, Jute, Wheat, Sugarcane, Potato, Mustard, etc. The average size of land holding is less than 1 ha. Commercial cultivation of Banana, vegetables & medicinal crops like Mentha, Tulsi is gradually increasing. The Gross Cropped Area of the district was 105421 ha and net sown area was 67635 ha constituting 44.5% of geographical area. An area of 37786 was sown more than once. The cropping intensity is 156%.

## Manikpur

Table 2.1: Area-wise, Crop-wise Irrigation status in Manikpur

Crop Type	Kharif			Rabi			Summer Crop			Total			Hort. & Plantation Crop		
	(Area in Ha.)			(Area in Ha.)			(Area in Ha.)			(Area in Ha.)			(Area in Ha.)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
Cereals	740	8005	8745	950	2105	3055	510	1000	1510	2200	11110	13310	-	-	-
Coarse Cereals	-	-	-	-	-	-	-	10	10	-	10	10	-	-	-
Pulses	-	201	201	-	1110	1110	-	-	-	-	-	1311	-	-	-
Oil seed	-	-	-	-	2010	2010	-	-	-	-	2010	2010	-	-	-
Fibre	-	418	418	-	-	-	-	-	-	-	418	418	-	-	-
Any other Crop	-	-	-	115	577	692	-	-	-	115	577	692	120	480	960

## Dangtol

Table 2.2: Area-wise, Crop-wise Irrigation status in Dangtol

Crop Type	Kharif			Rabi			Summer Crop			Total			Hort. & Plantation Crop		
	(Area in Ha.)			(Area in Ha.)			(Area in Ha.)			(Area in Ha.)			(Area in Ha.)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
Cereals	250	6530	6780	350	300	650	315	1644	1959	915	8474	9389	-	-	-
Coarse Cereals	-	-	-	-	-	-	-	15	15	-	15	15	-	-	-
Pulses	-	201	201	-	307	307	-	-	-	-	508	508	-	-	-
Oil seed	-	-	-	-	1700	1700	-	-	-	-	1700	1700	-	-	-

Fibre	-	189	189	-	-	-	-	-	-	-	189	189	-	-	-
Any other Crop	-	-	-	-	108	108	-	-	-	-	108	108	110	240	350

## Srijangram

Table 2.3: Area-wise, Crop-wise Irrigation status in Srijangram

Crop Type	Kharif			Rabi			Summer Crop			Total			Hort. & Plantation Crop		
	(Area in Ha.)			(Area in Ha.)			(Area in Ha.)			(Area in Ha.)			(Area in Ha.)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
Cereals	412	4196	4608	3423	3046	6469	124	420	544	3959	7662	11621	-	-	-
Coarse Cereals	-	220	220	-	-	-	-	-	-	-	220	220	-	-	-
Pulses	-	707	707	-	1182	1182	-	-	-	-	1889	1889	-	-	-
Oil seed	-	-	-	-	1055	1055	-	-	-	-	1055	1055	-	-	-
Fibre	-	724	724	-	-	-	-	-	-	-	724	724	-	-	-
Any other Crop	-	-	-	240	606	846	-	-	-	240	606	846	320	562	882

## Tapattary

Table 2.4: Area-wise, Crop-wise Irrigation status in Tapattary

Crop Type	Kharif			Rabi			Summer Crop			Total			Hort. & Plantation Crop		
	(Area in Ha.)			(Area in Ha.)			(Area in Ha.)			(Area in Ha.)			(Area in Ha.)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
Cereals	321	2536	2857	2013	1270	3283	42	200	242	2376	4006	6382	-	-	-
Coarse Cereals	-	210	210	-	-	-	-	-	-	-	210	210	-	-	-
Pulses	-	702	702	-	377	377	-	-	-	-	1079	1079	-	-	-
Oil seed	-	-	-	-	999	999	-	-	-	-	999	999	-	-	-
Fibre	-	760	760	-	-	-	-	-	-	-	760	760	-	-	-
Any other Crop	-	-	-	91	135	226	-	-	-	91	135	226	82	100	182

## Boitamari

Table 2.5: Area-wise, Crop-wise Irrigation status in Boitamari

Crop Type	Kharif			Rabi			Summer Crop			Total			Hort. & Plantation Crop		
	(Area in Ha.)			(Area in Ha.)			(Area in Ha.)			(Area in Ha.)			(Area in Ha.)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
Cereals	252	5199	5451	2515	3181	5696	101	303	404	2868	8683	11551	-	-	-
Coarse Cereals	-	-	-	-	-	-	-	50	50	-	50	50	-	-	-
Pulses	-	1544	1544	-	474	474	-	-	-	-	2018	2018	-	-	-



Oil seed	-	-	-	-	1325	1325	-	-	-	-	1325	1325	-	-	-
Fibre	-	853	853	-	-	-	-	-	-	-	853	853	-	-	-
Any other Crop	-	-	-	278	995	1273	-	-	-	278	995	1273	231	753	984

## 2.2 Production and productivity of major crops

### Manikpur

Table 2.6: Production and Productivity of Major Crops in Manikpur

Season	Crop Sown						Rainfed				Irrigated			Total		
	Cereals	Coarse Cereals	Pulses	Oil Seeds	Fibre Crop	Any other Crop	Area (Ha)	Production (Qtl/ Yr)	Productivity (Kg/Ha)	Cost of Cultivation (Rs/ Ha)	Production (Qtl/ Yr)	Productivity (Kg/Ha)	Cost of Cultivation (Rs/ Ha)	Production (Qtl/ Yr)	Productivity (Kg/Ha)	Cost of Cultivation (Rs/ Ha)
A. Kharif	8745	-	210	-	418	-	8005	145130	1813	51041	21941	2965	55392	167077	-	-
B. Rabi	3055	-	1110	2010	-	-	2105	69191	3287	52041	39434	4151	56143	108625	-	-
C. Summer	1510	10	-	-	-	-	1000	15380	1538	51500	12245	2401	56418	27625	-	-
D. Horti & Plantation	960	-	-	-	-	-	840	100800	12000	66983	19200	16000	69983	120000	-	-
Total	14270	10	1320	2010	418	-	11950	330501	-	-	92820	-	-	423327	-	-

## Dangtol

Table 2.7: Production and Productivity of Major Crops in Dangtol

Season	Crop Sown						Rainfed			Irrigated			Total			
	Cereals	Coarse Cereals	Pulses	Oil Seeds	Fibre Crop	Any other Crop	Area (Ha)	Production (Qtl/Yr)	Productivity (Kg/Ha)	Cost of Cultivation (Rs/Ha)	Production (Qtl/Yr)	Productivity (Kg/Ha)	Cost of Cultivation (Rs/Ha)	Production (Qtl/Yr)	Productivity (Kg/Ha)	Cost of Cultivation (Rs/Ha)
A. Kharif	6780	-	210	-	189	-	6530	117213	1795	51041	250	2950	55392	117463	-	-
B. Rabi	650	-	307	1700	-	-	300	9720	3240	52041	350	4100	56143	10070	-	-
C. Summer	1959	15	-	-	-	-	1644	25186	1532	51500	315	2390	56418	25501	-	-
D. Horti & Plantation	350	-	-	-	-	-	240	28824	12010	66983	110	16005	69983	28934	-	-
Total	9739	15	517	1700	189	-	8714	180943	-	-	1025	-	-	-	-	-

## Boitamari

Table 2.8: Production and Productivity of Major Crops in Boitamari

Season	Crop Sown						Rainfed				Irrigated			Total		
	Cereals	Coarse Cereals	Pulses	Oil Seeds	Fibre Crop	Any other Crop	Area	Production	Productivity	Cost of cultivation	Production	Productivity	Cost of cultivation	Production	Productivity	Cost of cultivation
							(Ha)	(Qtl/Yr)	(Kg/Ha)	(Rs./Ha)	(Qtl/Yr)	(Kg/Ha)	(Rs./Ha)	(Qtl/Yr)	(Kg/Ha)	(Rs./Ha)
a)Kharif	5451	-	1544	-	853	-	3181	57671	1813	52041	7471	2965	55392	65142	-	-
b)Rabi	5696	-	474	1325	-	-	3181	104559	3287	52041	104397	4151	56143	208956	-	-
c)Summer	404	50	-	-	-	-	303	46609	1538	51500	2425	2401	56418	49034	-	-
d)Hort & Plantation	984	-	-	-	-	-	753	9036	1200	66983	3696	1600	69983	12732	-	-
Total	12535	50	2018	1325	853	-	7418	217875	-	-	117989	-	-	335864	-	-

## Srijangram

Table 2.9: Production and Productivity of Major Crops in Srijangram

Season	Crop Sown						Rainfed				Irrigated			Total		
	Cereals	Coarse Cereals	Pulses	Oil Seeds	Fibre Crop	Any other Crop	Area (Ha)	Production (Qtl/Yr.)	Productivity (Kg/Ha)	Cost of Cultivation (Rs./Ha)	Production (Qtl/ha)	Productivity (Kg/Ha)	Cost of Cultivation (Rs./Ha)	Production (Qtl/Yr.)	Productivity (Kg/Ha)	Cost of Cultivation (Rs./Ha)
a) Kharif	4608	220	707	-	724	-	4196	76073	1813	52041	12215	2965	55392	58288	-	-
b) Rabi	6469	-	1182	1055	-	606	3046	100100	3287	52041	142088	4151	56143	242210	-	-
c) Summer	544	-	-	-	-	-	420	6459	1538	51500	2977	2401	56418	9436	-	-
d) Hort & Plantation	882	-	-	-	-	-	562	6744	1200	66983	51200	16000	69983	57944	-	-
Total	12503	220	1889	1055	724	606	8224	189398	-	-	208480	-	-	-	-	-

## Tapattary

Table 2.10: Production and Productivity of Major Crops in Tapattary

Season	Crop Sown						Rainfed				Irrigated			Total		
	Cereals	Coarse Cereals	Pulses	Oil Seeds	Fibre Crop	Any other Crop	Area (Ha)	Production (Qtl/Yr)	Productivity (Kg/Ha)	Cost of cultivation (Rs./Ha)	Production (Qtl/Yr)	Productivity (Kg/Ha)	Cost of cultivation (Rs./Ha)	Production (Qtl/Yr)	Productivity (Kg/Ha)	Cost of cultivation (Rs./Ha)
a)Kharif	2857	210	702	-	750	-	2536	45977	1813	52041	-	2965	55392	55494	-	-
b)Rabi	3283	-	377	999	-	135	1270	41744	3287	52041	83559	4151	56143	125303	-	-
c)Summer	242	-	-	-	-	-	200	307600	1538	51500	1008	2401	56418	308608	-	-
d)Hort & Plantation	182	-	-	-	-	-	100	1200	1200	66983	1312	1600	69983	2512	-	-
Total	6564	210	1079	999	760	135	4106	396521	-	-	95396	-	-	-	-	-

## 2.3 Irrigation Based Classification

Table 2.11: Irrigation based classification

Sl. No	Block	Gross Irrigated Area	Net Irrigated Area	Partially Irrigated/Protective Irrigation	Un-Irrigated or Totally Rainfed
1	Boitamari	485.00	853.00	-	6,496.00
2	Srijangram	995.00	1,725.00	-	4,890.00
3	Dangtol	1,755.00	2,864.00	-	5,376.00
4	Manikpur	2,670.00	4,776.00	-	7,287.00
5	Tapattary	35.00	63.00	-	6,983.00
	<b>Total</b>	<b>5,940.00</b>	<b>10,281.00</b>		<b>31,032.00</b>

Source: Department of Agriculture, Bongaigaon

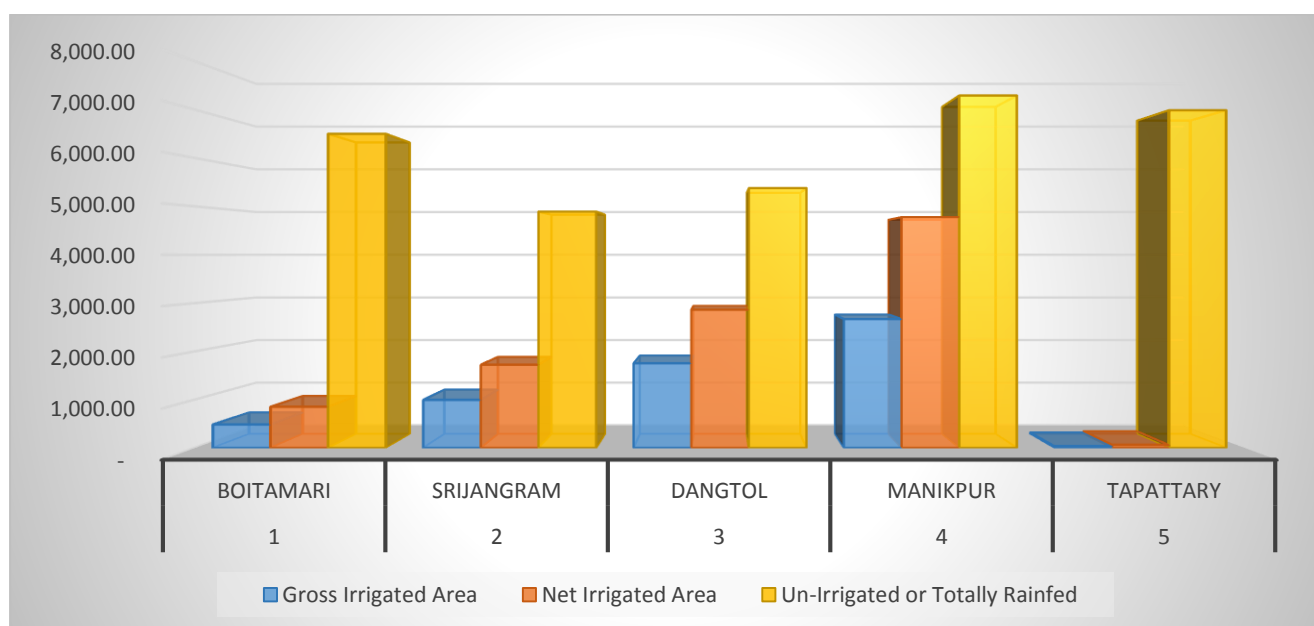


Figure 2.1: Block-wise Irrigation based classification

The largest amount of unirrigated or rainfed area along with the least amount of irrigated area is in Tapattary block, which suggests that this block has the greatest need for irrigation in the district. After Tapattary block, Boitamari block has the most need for irrigation. This can be inferred from the area under rainfed area and irrigated area respectively. Dangtol and Manikpur

blocks are relatively better off in terms of area under irrigation compared to other blocks in Bongaigaon district.



## Chapter 3: District Water Availability

### 3.1 Status of Water Availability

### 3.2 Status of Ground Water Availability

#### **Hydrogeology**

Hydrogeologically, the entire area of sediments of Recent to Sub-Recent age. The groundwater conditions as described below. Bongaigaon district is dominated by alluvial different geomorphic units represent separate

The flood plain areas along the River Brahmaputra and River Manas are represented by different grades of sand, gravel and clay. Abandoned channel, natural levees, channel bars also represent the same constituents. Ground water occurs under semi-confined to water table condition within the depth range of 2 to 4 m bgl during pre-monsoon period. The younger alluvial plain comprising sand, gravel and clays occupies the central part in the district with similar ground water condition. The depth to water level ranges from 1.30 to 3.00 m bgl during post-monsoon period.

The older alluvium occupies the northern and north western parts of the district and is located at higher elevation. It comprises unconsolidated to semi-consolidated formations comprising limonitic clay, unsorted boulders, pebbles, gravels and sands. Ground water occurs under water table to semi-confined condition and depth to water table varies from 0.50 to 2.53 m bgl.

The denudational hills with weathered top associated with pediment occur as isolated patches in north, west, east, amongst the older and younger alluvium. The thickness of the pediment varies from 5 to 15 m with depth to water level from 1 to 9 m bgl. The denudational hills are composed of gneissic rocks with pegmatite veins as intrusion; the water level is very deep.

Tube well data (CGWB and other agencies) reveal that the alluvium comprising of sand, gravel, pebble and boulders occur down to the depth of 150 m. Tube well tapping 3g m of aquifer zones yield 93 m<sup>3</sup>/hr for 12.58 m drawdown. Piezometric level of ground water varies from 1.71 to 6.50 m. Northern part of Bongaigaon town characterized by boulder and pebble represents the Terai belt with deeper water level of 13.1 m bgl. This Terai belt merges with the alluvium on southern part of Bongaigaon town.

#### **Ground Water Resources**

The estimated gross annual replenishable ground water resources of the district are 1430.21 mcm against net annual ground water draft of 577.66 mcm. The projected demand for domestic

and industrial uses up to 2025 is 28.84 mcm. The stage of ground water development in the district is 43%.

### **Ground Water Quality**

Ground water as a whole is suitable for domestic, irrigation and industrial uses. The chemical analysis of ground water reveals that the chemical constituents except iron, all are within the permissible limit. The electrical conductivity varies from 67 to 687 micromhos/cm and it indicates the presence of minerals constituents in water. pH of the water varies from 6.40 to 8.35 indicating neutral nature of water. Calcium and Magnesium content in ground water determines its hardness and varies from 20 to 5g ppm indicating its soft nature.

The other constituents like sulphate and phosphate are very much within permissible limit' Low chloride content like 5 ppm indicates freshness of water. The present district has chloride concentration from 5 to 39 ppm which is very much within the permissible limit.

There are wide variations of the bicarbonate content of groundwater ranging from 21 to 244 ppm.

The iron content of ground water varies from 0.20 to 2.00 ppm against recommended value of 0.3 ppm. As the iron content in some places is higher than recommended value, special treatment for iron may be required in selected place.

### **GROUND WATER MANAGEMENT STRATEGY**

Ground water development prospect is very high in the district. Shallow and medium duty tube well may be constructed in northern and western parts keeping safe distance between wells depending on the hydrogeological conditions of the down to 10 to 20 m are also feasible in the area. These well may yield area. Filter point wells 3 to 5 m<sup>3</sup>/hr. Deep tube well with depth range of 160-200 m is also feasible in the southern part with possible discharge of 80-150 m<sup>3</sup>/hr.

### **GROUND WATER RELATED ISSUES AND PROBLEMS**

The southern part of the district adjunct to the River Brahmaputra is generally affected by flood accompanied by erosion. The flood generally affects the ground water regime in southern part of the district resulting in rise of water table.

The excess iron content in ground water in some pockets is a problem and this can be removed with the help of iron removal plants.

## RECOMMENDATIONS

Ground water resources (dynamic) in the district are 980.85 mcm. The hydrogeological setup with huge ground water resources indicates an ample scope of ground water development in the district. It may be developed by construction of shallow and deep tube wells. Taking unit draft of 0.15 mcm for a shallow tube well and considering the discharge of 50 to 150 m<sup>3</sup>/hr for a deep tube well, a number of tube wells may be constructed with a gap of 1.5 km in between them.

Shallow and medium duty tube wells may also be constructed for drinking water supply in villages in suitable hydrogeological locales. Ground water in the district is found to be potable and can be used safely for drinking, irrigation and industrial purposes.

The deep tube wells are feasible throughout the middle portion of the district in southern part of Bongaigaon. However, finer aquifer materials are likely to be encountered with confining clay bands.

Both shallow and deep tube well is feasible in the district for ground water development. Dug wells are also feasible in selected area particularly in older alluvial part and the pediment zones surrounding the hillocks.

There is enough scope for construction of shallow tube well for irrigation purpose throughout the district keeping in mind the vast resources of the district.

*Table 3.1: Status of ground Water Availability in Bongaigaon district*

<b>Ground Water (MCM)</b>		
<b>Draft</b>	<b>Recharge</b>	<b>Gap</b>
577.66	1430.21	852.55

Source: Central Ground water Board

### 3.3 Status of Command Area

### 3.4 Existing Type of Irrigation

Table 3.2: Existing Type of Irrigation

Block	Surface Irrigation(1)		Ground Water (2)					Water Extraction Devices/ Lift			Total	
	Canal Based (ha)	T/P/R	Tube Wells	Open Wells	Bore Wells (Ha)	WH (3)	TEDS	Elec. Pump (4)	Diesel Pumps (5)	Others (6)	Irr. Sources (1+2+3) (ha)	WEU (4+5+6)
<b>Boitamari</b>	100	0	0	0	385	0	0	0	0	0	485	0
<b>Dangtol</b>	1475	0	0	0	280	0	0	0	0	0	1755	0
<b>Manikpur</b>	150	0	0	0	2520	0	0	0	0	0	2670	0
<b>Srijangram</b>	330	0	0	0	665	0	0	0	0	0	995	0
<b>Tapattary</b>	0	0	0	0	35	0	0	0	0	0	35	0
<b>Total</b>	<b>2055</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3885</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5940</b>	<b>0</b>

In Bongaigaon district close to 5940 hectares are under irrigation works which are supplying water to households for domestic and irrigation purpose. Out of the total 5940 hectares under Irrigation Works, 2055 ha (35%) are under canals while remaining 3885 ha (65%) are under borewells.

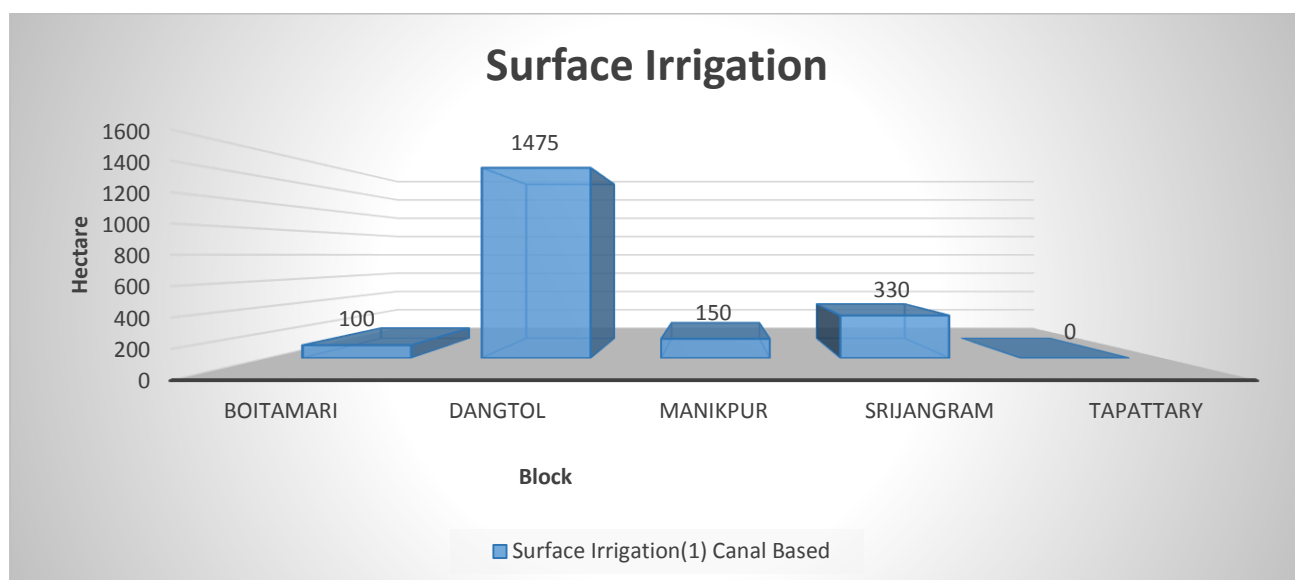


Figure 3.1:Block-wise area under surface irrigation in Bongaigaon

Dangtol block has the greatest area under surface irrigation with 1475 hectares. Manikpur and Boitamari blocks have much less area under surface irrigation with 150 ha and 100 ha.

Srijangram block has considerably more area under surface irrigation in these blocks with 330 hectares.

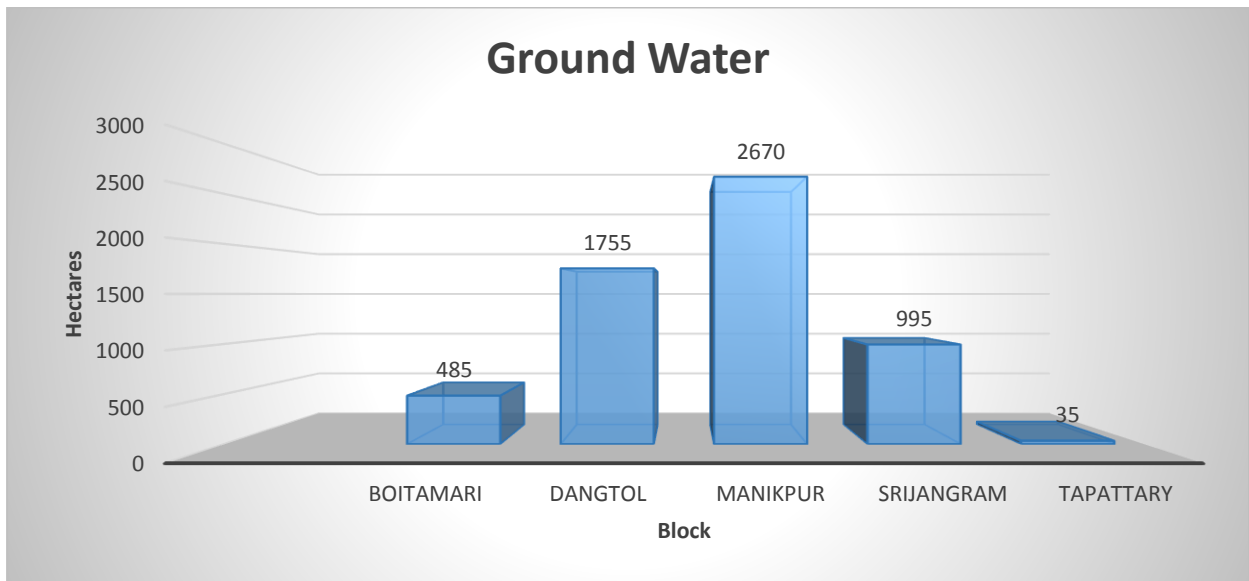


Figure 3.2: Block-wise area under bore-wells in Bongaigaon

In terms of ground water, the main source of irrigation is borewells. Manikpur block has the largest area under borewells with 2520 hectares under it. Srijangram block has 665 hectares of area under borewells. Boitamari and Dangtol blocks have 385 and 280 hectares of command area under bore-wells respectively.

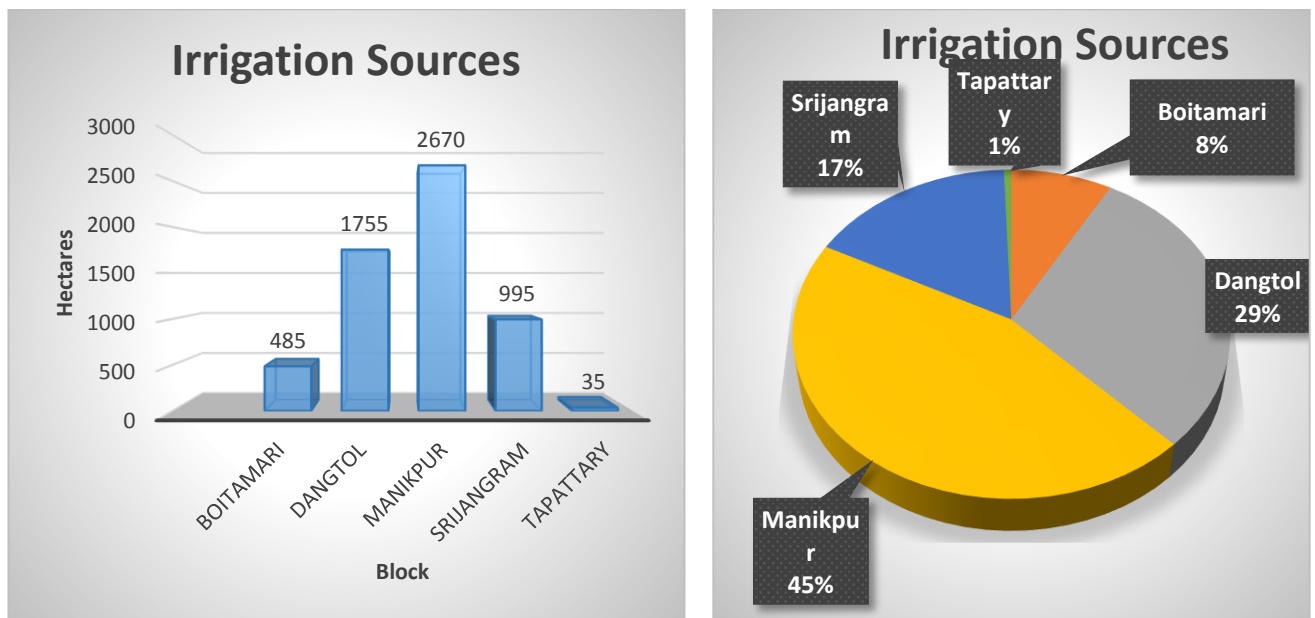


Figure 3.3: Block-wise area and share under Irrigation Works in Bongaigaon

A total of 5940 hectares of area are under irrigation sources. Manikpur block has 2670 hectares or 45% of the total area under irrigation works in the district. Dangtol block has 29% or 1755 hectares of area under Irrigation works. Tapattary block by far has the least area under Irrigation

works with only 35 hectares of command area under such Irrigation Works with all 35 hectares being under bore-wells.

## Chapter 4: Crop Water Requirement/ Demand

### 4.1 Domestic Water Requirement

This includes the water requirement in private buildings for drinking, cooking, bathing, gardening, sanitary purposes etc. The amount of domestic water consumption per person shall vary according to the living conditions. The requirement of water depends on a number of factors like climate, culture, working conditions, physiology, level of development, etc.

As per the Bureau of Indian Standards, a minimum water supply of 200 litres per capita per day (lpcd) should be provided for domestic consumption in cities with full flushing systems. It also mentions that the amount of water supply may be reduced to 135 lpcd for the LIG and the economically weaker sections (EWS) of the society and in small towns. The total domestic consumption generally amounts to 55 to 60% of the total water consumption. The break-up of 135 litres/day/person may be approximately taken as shown in table 4.1.

*Table 4.1: Average Domestic Water Consumption in an Indian city*

Use	Consumption in litres/day/person
Drinking	5
Cooking	5
Bathing	55
Washing of clothes	20
Washing of utensils	10
Washing and cleaning of houses and residences	10
Flushing of latrines etc.	30
<b>Total</b>	<b>135</b>

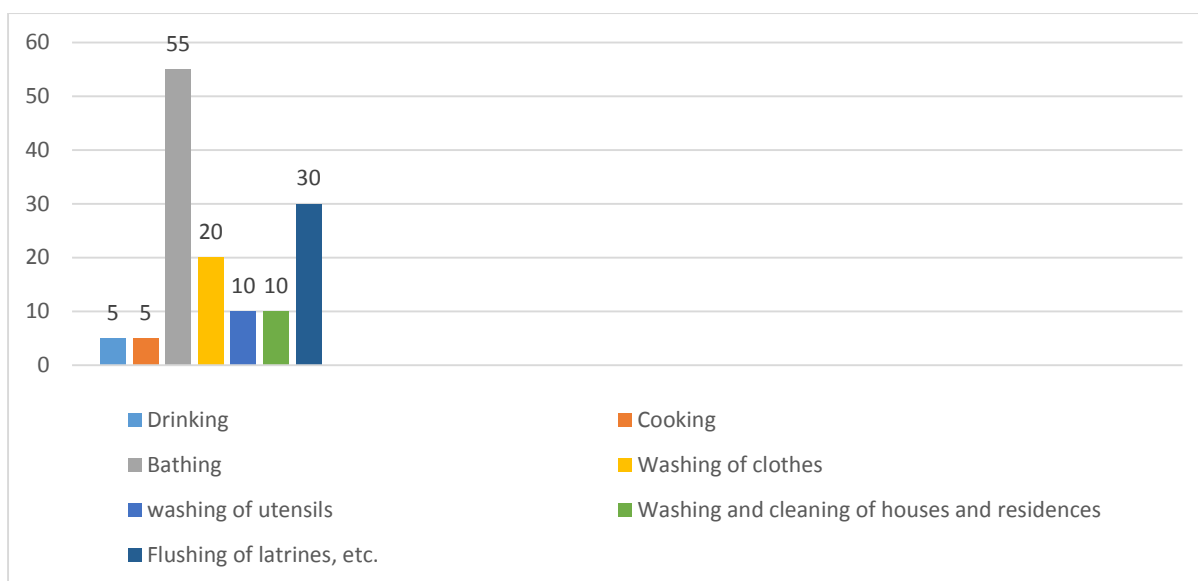


Figure 4.1: Average Domestic Water consumption in an Indian City

The decadal growth rate for Bongaigaon district is 20.59% as per Census, 2011. The projected population in 2020 is worked out assuming the last decadal growth and annual growth rate of 2.059% is used to apply for the period 2011-2020 (9 years). Current population (in 2016) has been provided by Department of Agriculture of Bongaigaon after collecting data from respective department. Projected population in 2020 has been calculated by assuming a growth rate of 8.236% ( $2.059\% \times 4$  Years) over the period of four years (from 2016-2020).

Table 4.2: Domestic Water Requirement

Sl. No	Block	Population in 2016	Water requirement in 2016(MCM)	Population in 2020	Water Requirement in 2020(MCM)
1	Dangtol	110959	5.467504725	120098	5.91780841
2	Boitamari	142884	7.0406091	154652	7.62047367
3	Manikpur	130242	6.41767455	140969	6.94623423
4	Srijangram	127083	6.262014825	137550	6.77775437
5	Tapattary	123680	6.094332	133866	6.59626118
<b>Total</b>		<b>634848</b>	<b>31.2821352</b>	<b>687134</b>	<b>33.8585319</b>

Source: Based on computation



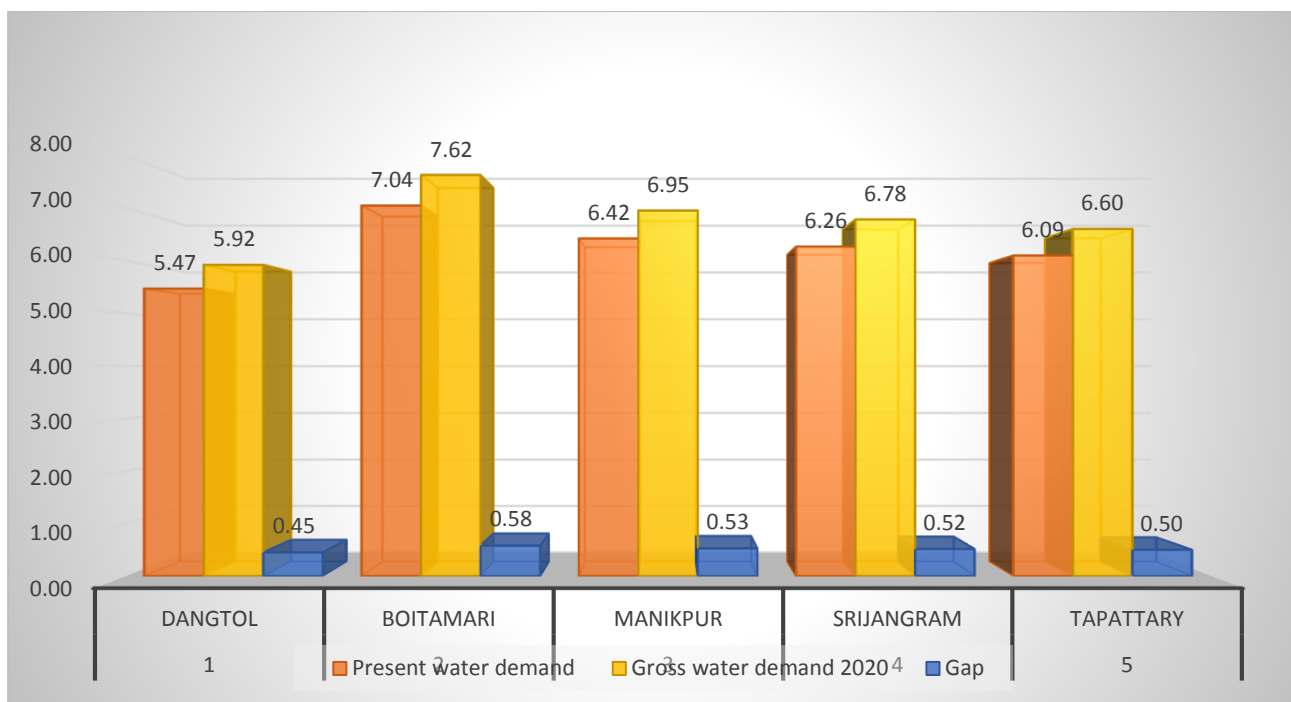


Figure 4.2: Domestic Water Demand and Gap in Bongaigaon

The greatest demand for water for domestic purposes is in Boitamari block which is understandable due to the fact that it has a greater human population compared to other blocks. But the problem for this block is that in terms of gap also it leads other blocks. So the greatest need for reducing this gap in water requirement lies in Boitamari block. Other blocks where this gap is high is in Manikpur and Srijangram blocks.

#### 4.2 Crop Water Requirement

Cereals are cultivated on major part of the gross cropped area in the district. The crops used for calculation of crop water requirement along with their respective assumptions are as under:

Table 4.3: Assumptions on water requirement for major crops

Crop	Water requirement (m per ha.)
Kharif rice	1
Summer rice	2
Autumn Rice/upland rice	0.55
Mustard	0.275
Jute	0.495
Potatoes	0.6
Wheat	0.55
Vegetables	0.9

Source: KVK

With the provision of irrigation facilities farmers may bring the existing sown area under rainfed conditions into irrigation along with bringing in the fallow lands and culturable waste lands under cultivation and may also shift the cropping pattern.

While conversion of the present rainfed area into irrigated area is being taken into account for estimating the demand for water for raising crops, other factors such as changes in cropping pattern and additional area being brought into cultivation are not being considered. Inclusion of the latter may increase the crop water demand above what is estimated in the table.

Table 4.4: Block-wise crop water requirement in Bongaigaon district

Sl. No	Block	Crops	Area sown (Ha)	Irrigated area (ha)	Crop Water Demand (MCM)	Water Potential Required (MCM)	Existing Water Potential (MCM)	Water Potential to be created (MCM)
1	Manikpur	Paddy, Mustard, Jute, Potato, vegetables, Wheat	17430	2450	177.4636	146.4061	31.0575	146.4061
2	Dangtol	Paddy, Mustard, Jute, Potato, vegetables, Wheat	12269	1143	104.1681	91.2455	12.9255	91.2455
3	Srijangram	Paddy, Mustard, Jute, Potato, vegetables, Wheat	15707	4819	201.1356	121.9036	79.232	121.9036
4	Tapattary	Paddy, Mustard, Jute, Potato, vegetables, Wheat	8657	2549	105.6583	60.67325	44.985	60.67325
5	Boitamari	Paddy, Mustard, Jute, Potato, vegetables, Wheat	17045	3428	200.8366	143.4336	57.403	143.4336
	<b>TOTAL</b>		<b>71108</b>	<b>14389</b>	<b>789.2622</b>	<b>563.6621</b>	<b>225.603</b>	<b>563.6621</b>

Source: Based on Computation

It is estimated that nearly 789.26 million cubic meters of water is required for watering cropped area in Bongaigaon district. The block wise crop water requirement estimated for the year 2020 shows that out of the total crop water requirement Srijangram block require 201.13 MCM (or 25%) followed by Boitamari also with 200.83 mcm (or 25%), Manikpur with 177.46 mcm (or 22%), Tapattary with 105.65 mcm (or 13%) and Dangtol block also with 104.16 mcm (or 13%).

**Existing water potential and water potential to be created:** The existing water potential is the extent of area already under irrigation irrespective of the source and type of irrigation. As can be seen the existing water potential is only 29% of the total demand leaving 71% of the crop water demand unmet which needs to be created in the district.

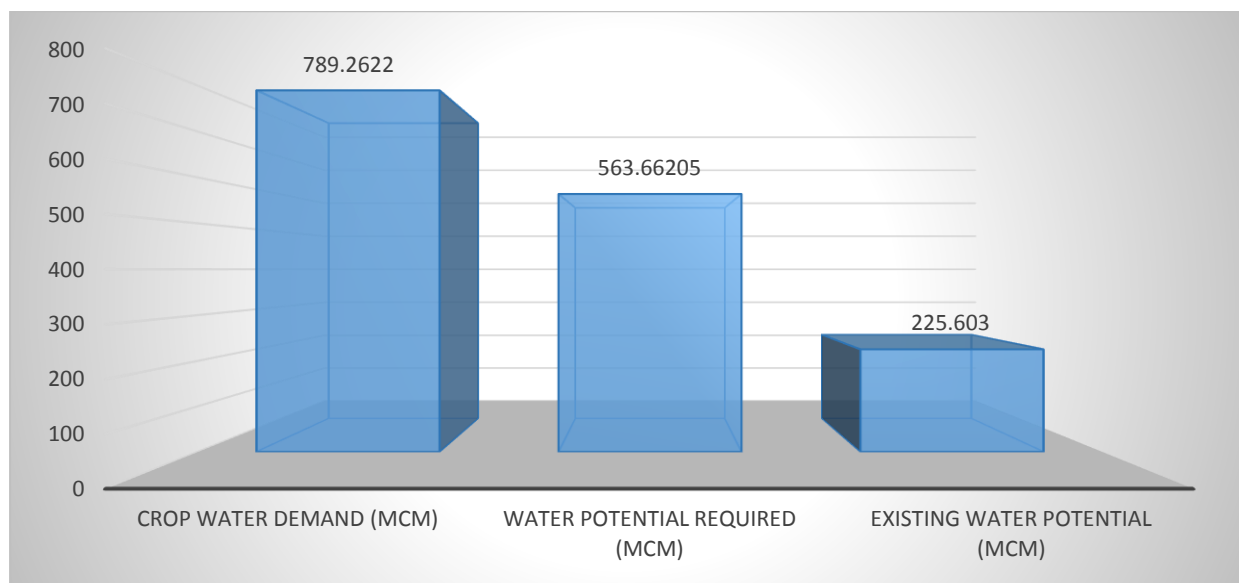


Figure 4.3: Existing water potential and water potential required

The block wise crop water demand, existing potential and water potential to be created varies in each of the five blocks of Bongaigaon district. Maximum potential to be created is in the blocks of Manikpur and Boitamari with 146 to 143 mcm each followed Srijangram, Dangtol and Tapattary blocks with 122 to 61 mcm each.

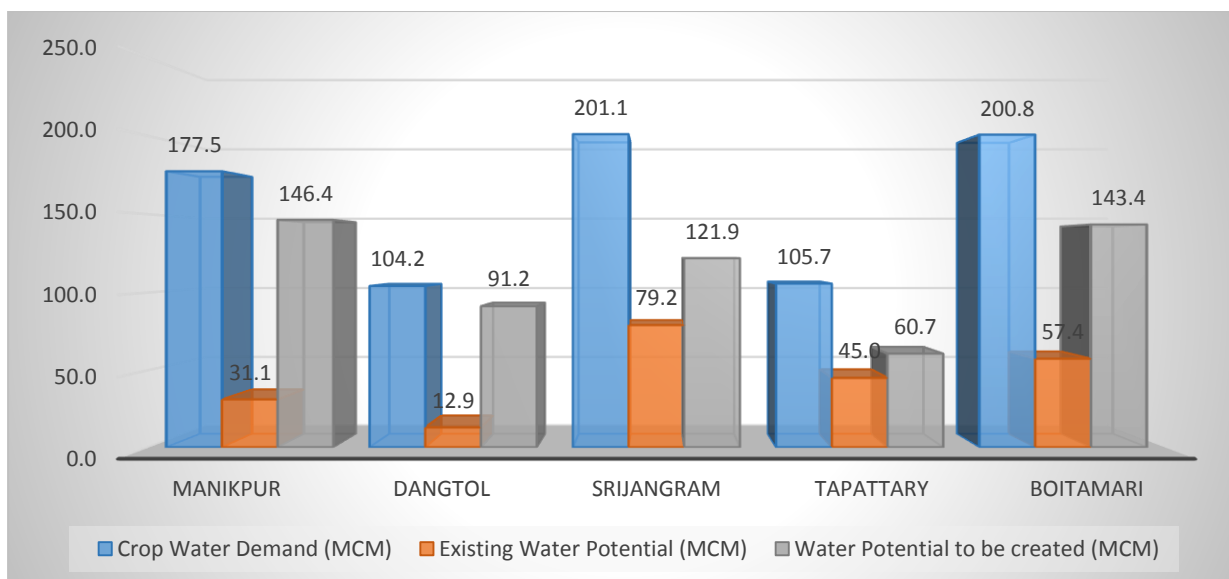


Figure 4.4: Block Wise Existing Crop Water Potential and Water Potential to be created (mcm)

### 4.3 Livestock Water Requirement

As per the livestock census 2012, livestock population in Assam has grown at a rate of 10.77%. For the purpose of calculation of the growth rates, livestock census of 2012 and 2007 are considered. The growth rates for Assam (2007-2012) is used as growth rates for livestock in the district. These are as follows:

Table 4.5: Growth rates for Livestock in Assam in 2007-12

	Growth rate
Poultry	-6.35%
Cattle	2.45%
Sheep	46.43%
Goat	42.81%
Pigs	-18.22%
Ducks	-6.35%

Source: Livestock Census, 2012

The annual growth rates are then used from the data above to arrive at the final figures.

The water consumption for animals is used as per the following:

Table 4.6: Water Requirement Range and Daily Water Use for livestock

Water Consumptions by Animals/ Birds			
S.No.	Livestock Category	Water Requirement Range	Average water Use L/day
1	Poultry	0.16-0.24	0.20
2	Small Animals	13-20	16.50
3	Large Animals	39-59	49

Source: Adapted from Nutrient Requirements of poultry, sheep, and cattle. (9<sup>th</sup> edition). Washington D.C.: National Research Council, 1994,

Table 4.7: Block-wise livestock water requirement

Block	Total number of livestock	Present water demand (BCM)	Water Demand in 2020 (BCM)	Existing water potential (BCM)	Water potential to be created (BCM)
Manikpur	126801	1.0144728	1.069434	1.1680685	0.0549612
Dangtol	240084	1.154373	1.235515	1.154373	0.081141
Boitamari	187569	0.912748	0.988771	0.912748	0.076023
Srijangram	335415	1.848096	2.003348	1.848096	0.155253
Tapattary	204234	0.868411	0.94822	0.868411	0.079809
<b>TOTAL</b>	<b>1094103</b>	<b>5.798101</b>	<b>6.245289</b>	<b>5.951696</b>	<b>0.447188</b>

Source: Based on Computation

#### Present water demand:

Livestock consumes water depending on the size of the animal and the number & composition of livestock. The per day water requirement of livestock are 16.5 litres per day for small animals; 49 Litres per day for large animals and 0.20 Litres per day for birds. The highest water demand for livestock is in Srijangram block with 1.84 MCM followed by Dangtol block with 1.15 MCM.

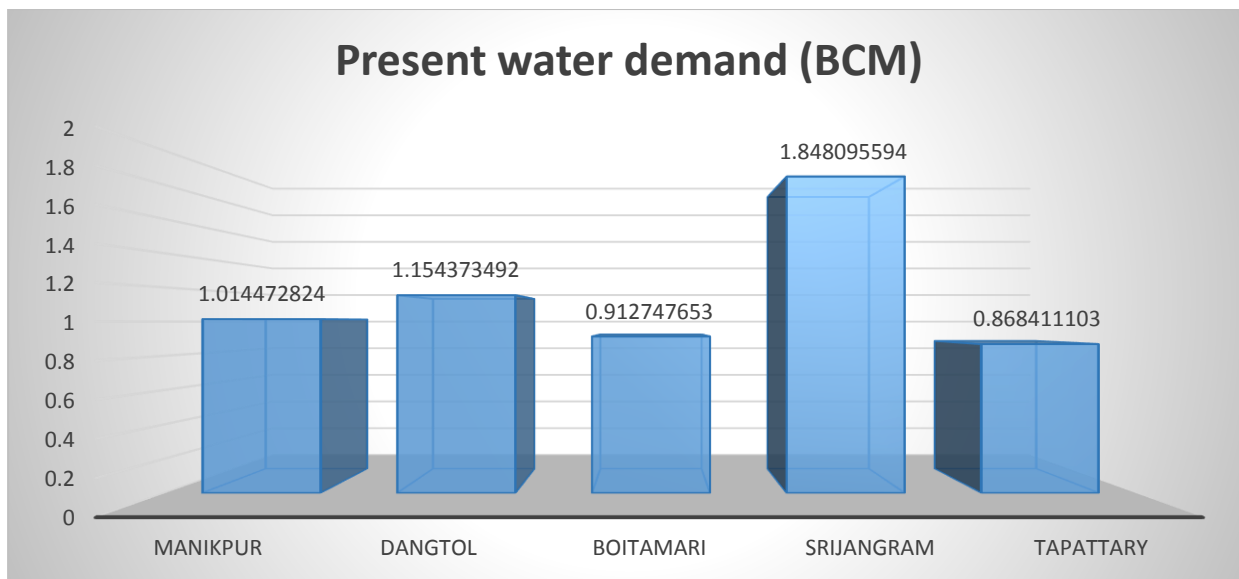


Figure 4.5: Present livestock water demand in Bongaigaon

**Livestock water demand by 2020& water potential to be created:**

The total livestock water demand in 2016 is 5.80 million cubic meters and the same is being catered to at present by the households. However, by 2020, the livestock water demand may reach 6.25 million cubic meters resulting in an additional water potential requirement of 0.45 million cubic meters.

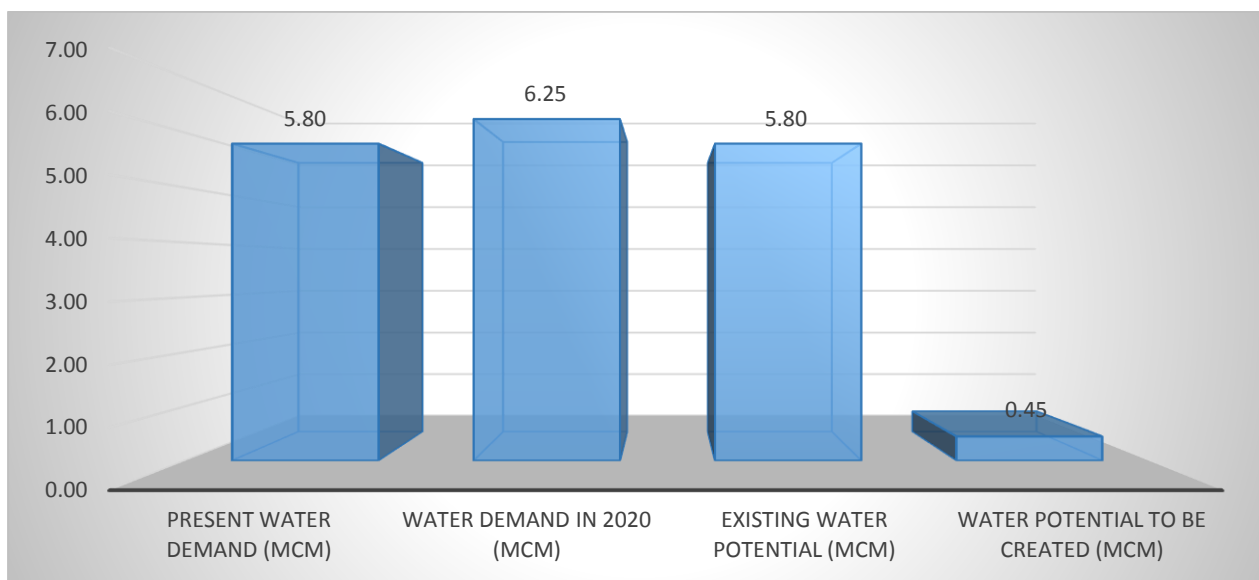


Figure 4.6: Livestock Water Demand in Bongaigaon District (in Million Cubic Meters)

#### 4.4 Industrial Water Demand

Bongaigaon district does not have large scale industries in the district. Most of the units from Bongaigaon district are in the category of small scale units. These industries are meeting their water requirements internally and as such no specific water allocation is required for them, consequently their water requirement is not being considered in water requirement for the district.

#### 4.5 Water Demand for Power Generation

Power is generated in the district, however it's water requirement is also taken care of internally and hence, water requirement of the district has been indicated to be zero.

#### 4.6 Total Water Demand of the District

Table 4.8: Total Water Demand of Bongaigaon district at present (2016)

Sl. No.	Block	Components					Total (MCM)
		Domestic	Crop	Livestock	Industrial	Power Generation	
1	Manikpur	6.42	177.4636	1.0144728	0	0	184.90
2	Dangtol	5.47	104.1681	1.1543735	0	0	110.79
3	Boitamari	7.04	200.8366	0.9127477	0	0	208.79
4	Srijangram	6.26	201.1356	1.8480956	0	0	209.25
5	Tapattary	6.09	105.6583	0.868411	0	0	112.62
	<b>TOTAL</b>	<b>31.28</b>	<b>789.26</b>	<b>5.80</b>	<b>0.00</b>	<b>0.00</b>	<b>826.34</b>

Source: Based on Computation

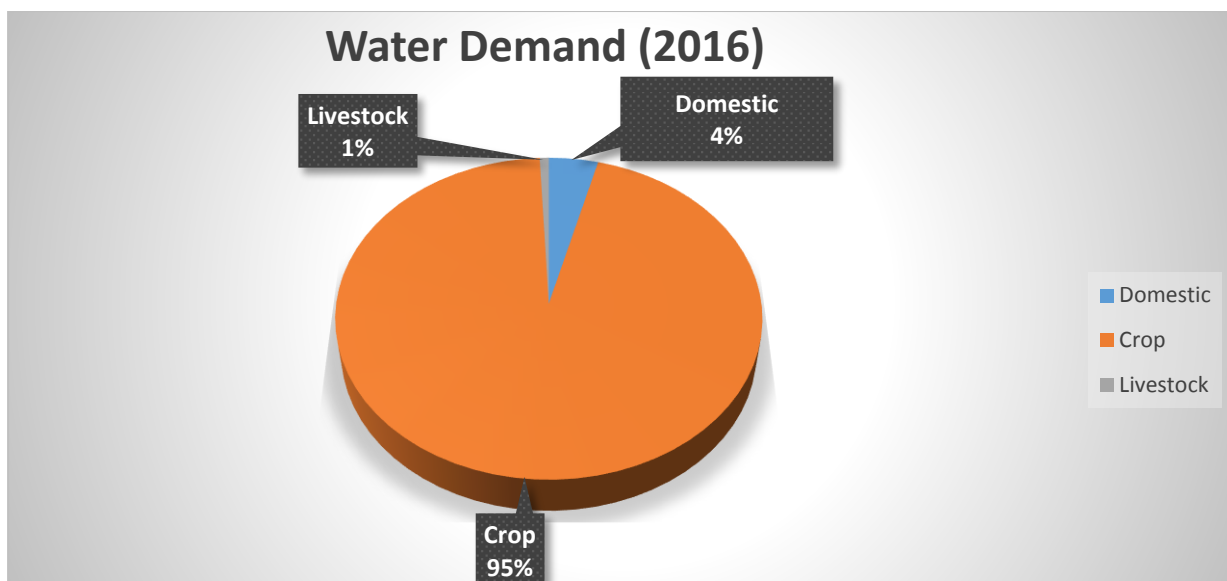


Figure 4.7: Water Demand at present (2016)

At present, the total water demand for the district is 826.34 MCM with the maximum chunk of it required for agriculture. Crop water demand is 789.26 MCM at present which accounts for 95% of the total water requirement in the district. In comparison, water for domestic uses only accounts for 4% or 31.28 MCM in the district.

Table 4.9: Projected (2020) Total Water Demand of Bongaigaon district

Sl. No.	Block	Components					Total (MCM)
		Domestic	Crop	Livestock	Industrial	Power Generation	
1	Manikpur	6.95	177.4636	1.069434	0	0	185.48
2	Dangtol	5.92	104.1681	1.235515	0	0	111.32
3	Boitamari	7.62	200.8366	0.988771	0	0	209.45
4	Srijangram	6.78	201.1356	2.0033485	0	0	209.92
5	Tapattary	6.60	105.6583	0.94822	0	0	113.20
	<b>TOTAL</b>	<b>33.86</b>	<b>789.26</b>	<b>6.25</b>	<b>0.00</b>	<b>0.00</b>	<b>829.37</b>

Source: Based on Computation



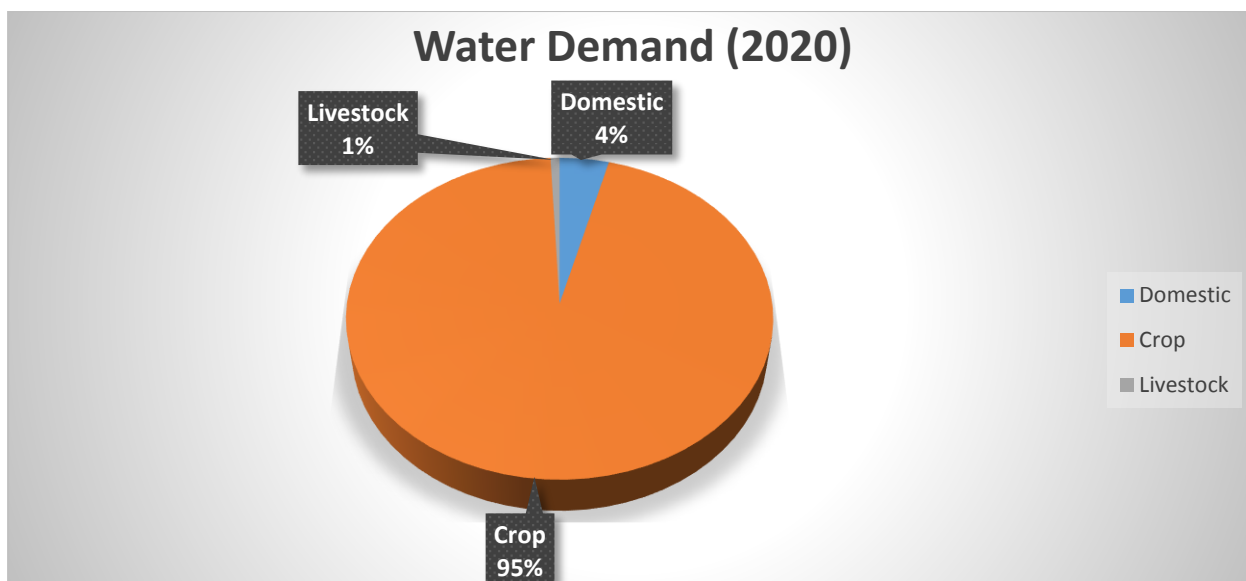


Figure 4.8: Projected Water Demand (2020)

The projected total water demand in 2020 also shows similar share in the total water demand in 2020 as was in 2016. Crop water requirement accounts for 95%, followed by Domestic water requirement and livestock with 4% and 1% respectively, of the total water demand in Bongaigaon in 2020.

#### 4.7 Water Budget

Table 4.10: Block-wise Water Budget of Bongaigaon district

Name of Blocks	Existing water availability (MCM)			Water Demand (MCM)		Water Gap (MCM)	
	Surface Water	Ground Water	Total	Present (2016)	Projected (2020)	Present (2016)	Projected (2020)
Manikpur				184.9	185.48		
Dangtol				110.79	111.32		
Boitamari				208.79	209.45		
Srijangram				209.25	209.92		
Tapattary				112.62	113.2		
<b>Grand Total</b>				<b>826.3</b>	<b>829.4</b>		

Source: Based on Computation

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

The vision of the scheme PMKSY is to ensure access to some means of protective irrigation to all agricultural farms in the country, to increase water use efficiency by its ‘per drop more crop’ subcomponent, thus bringing much desired rural prosperity. The need of the hour is to have well managed watershed resources which not only enhances the ecological resource base of a rural economy but will also create sustainable livelihood opportunity.

At present, the schemes implemented by all the departments are broadly based and are required to be specific and location/ problem based. A systematic integrated approach having full participation of the users in the planning process is the need of the hour and extension facilitation should be inter-disciplinary. On the basis of methodology described above, a strategic plan for four years has been prepared starting from 2016-17 to 2019-20.

The strategic action plan presents the estimated area planned to be brought under irrigation and the financial outlays required for completion of the proposed projects for the period 2016-17 to 2019-20.

### 5.1 Block-wise estimated plan outlay under PMKSY:

Table 5.1: Block-wise plan outlay under PMKSY in Bongaigaon

<b>BLOCK WISE</b>	
<b>Block</b>	<b>Estimated Cost (in lakhs)</b>
Boitamari	3309.62455
Dangtol	7077.9664
Manikpur	8883.58538
Srijangram	9231.67692
Tapattary	4195.275
<b>TOTAL</b>	<b>32698.1283</b>

Bongaigaon district may require a total estimated outlay of Rs.326.98 crores to implement PMKSY project for 2016-17 to 2019-20 out of which Rs.92.31 crores (28%) will be spent in Srijangram block. The outlay allocated for other blocks are Rs.88.83 crores (27%) to Manikpur block followed by Dangtol block with an outlay of Rs.70.77 crores (22%), Tapattary block with an outlay of Rs.41.95 crores (13%) and Boitamari block with an outlay of Rs.33.09 crores constituting 10% of the total outlay.

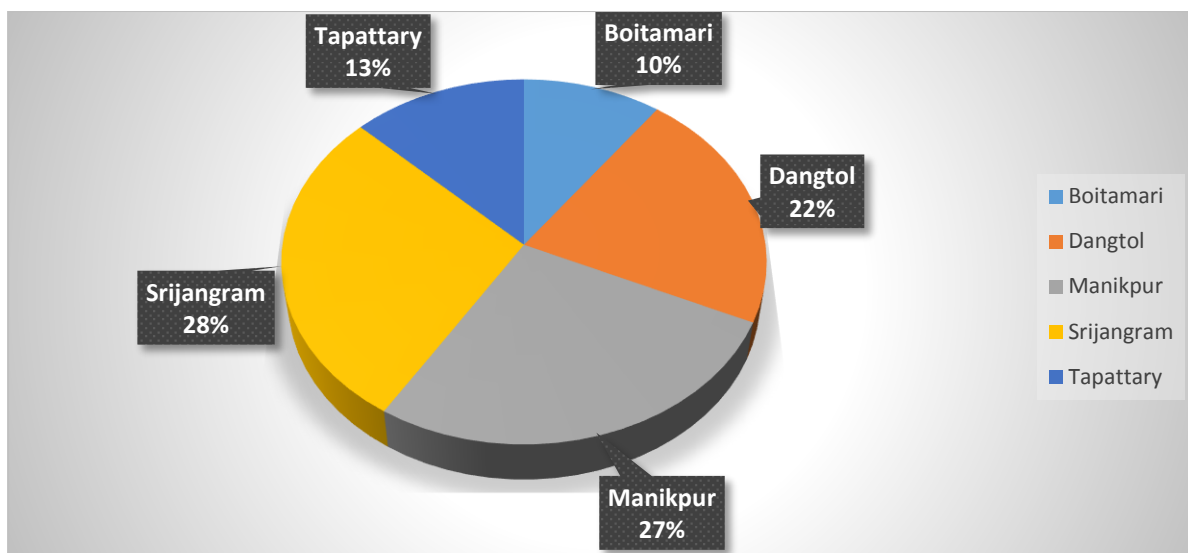


Figure 5.1: Block-wise planned outlay under PMKSY

## Block-wise, component-wise planned outlay under PMKSY

### I. Boitamari block

Table 5.2: Component-wise planned outlay under PMKSY in Boitamari block

Component	Estimated Cost (in lakhs)
AIBP	1620.00
HKKP	700.208
PDMC	783.00
Watershed	206.41655
<b>Total</b>	<b>3309.6246</b>

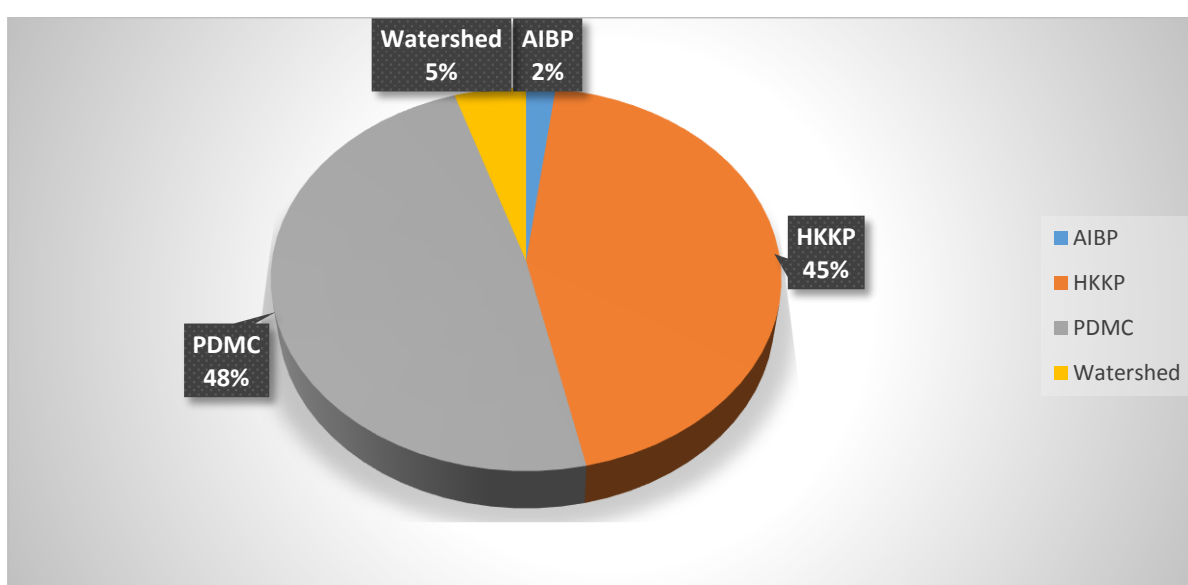


Figure 5.2: Component-wise planned outlay under PMKSY in Boitamari block

In Boitamari block, the greatest outlay is on AIBP with 16.20 crores allotted for it. AIBP component makes up a significant 49% of the total planned outlay in the district under PMKSY. The second highest outlay is on Per Drop More Crop with 24% or 7.83 crores planned under it. Har Khet Ko Pani has also very similar planned outlay with 7 crores or 21% allotted to it. Watershed component has the least outlay in the block with 2.06 crores (6%) allotted to it.

## II. Dangtol Block

Table 5.3: Component-wise planned outlay under PMKSY in Dangtol Block

Component	Estimated Cost (Rs. in lakhs)
AIBP	3574.00
HKKP	1360.15
PDMC	1166.96
Watershed	976.8564
<b>Total</b>	<b>7077.9664</b>

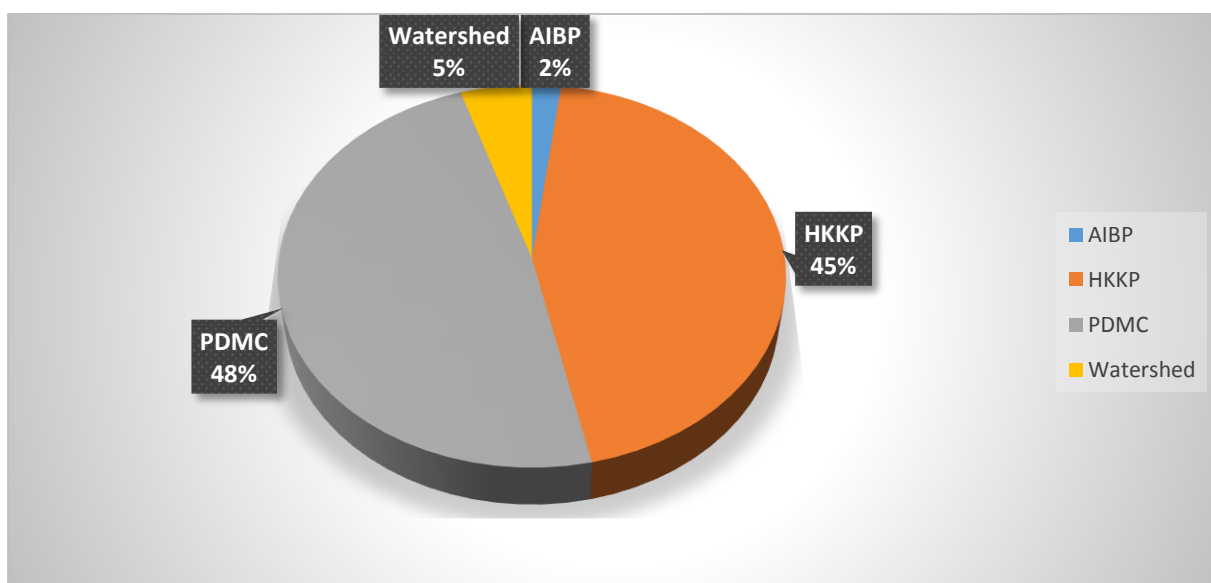


Figure 5.3: Component-wise share in planned outlay under PMKSY in Dangtol block

In Dangtol block also, AIBP component has the largest share in planned outlay with 35.74 crores or 51% of the total outlay under it. Har Khet Ko Pani component has 13.6 crores (19%) allotted for it. Per Drop More Crop and Watershed components have 11.66 crores and 9.76 crores earmarked for it respectively.

### III. Manikpur block

Table 5.4: Component-wise planned outlay under PMKSY in Manikpur block

Component	Estimated Cost (Rs. in lakhs)
AIBP	6280.00
HKKP	616.26
PDMC	1148.8
Watershed	838.52538
<b>Total</b>	<b>8883.5854</b>

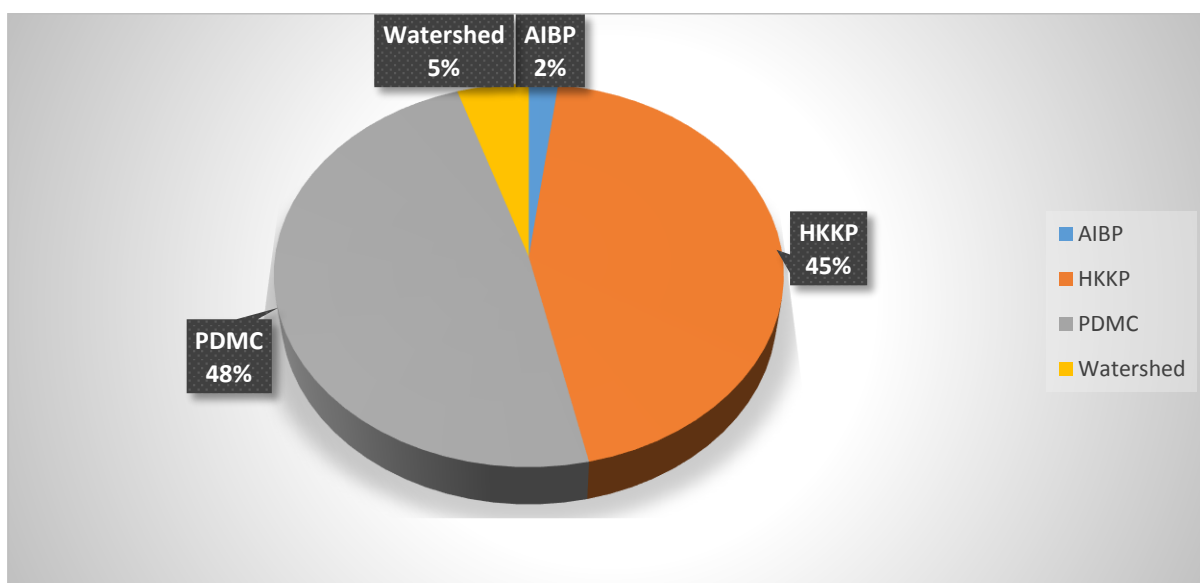


Figure 5.4: Component-wise share in planned outlay under PMKSY in Manikpur block

As seen in the previous two blocks, AIBP component has the largest planned outlay in the block with 62.8 crores or a very high 71% of the total planned outlay in Manikpur block under it. Per Drop More Crop has the next highest planned outlay in the block with 11.48 crores(13%) under it. Watershed and Har Khet Ko Pani components have the lowest planned outlay in the block with 8.38 crores and 6.16 crores respectively allotted to it.

#### IV. Srijangram block

Table 5.5: Component-wise planned outlay under PMKSY in Srijangram block

Component	Estimated Cost (Rs. in lakhs)
AIBP	2958.00
HKKP	2433.34
PDMC	3293.70
Watershed	546.63692
<b>Total</b>	<b>9231.6769</b>

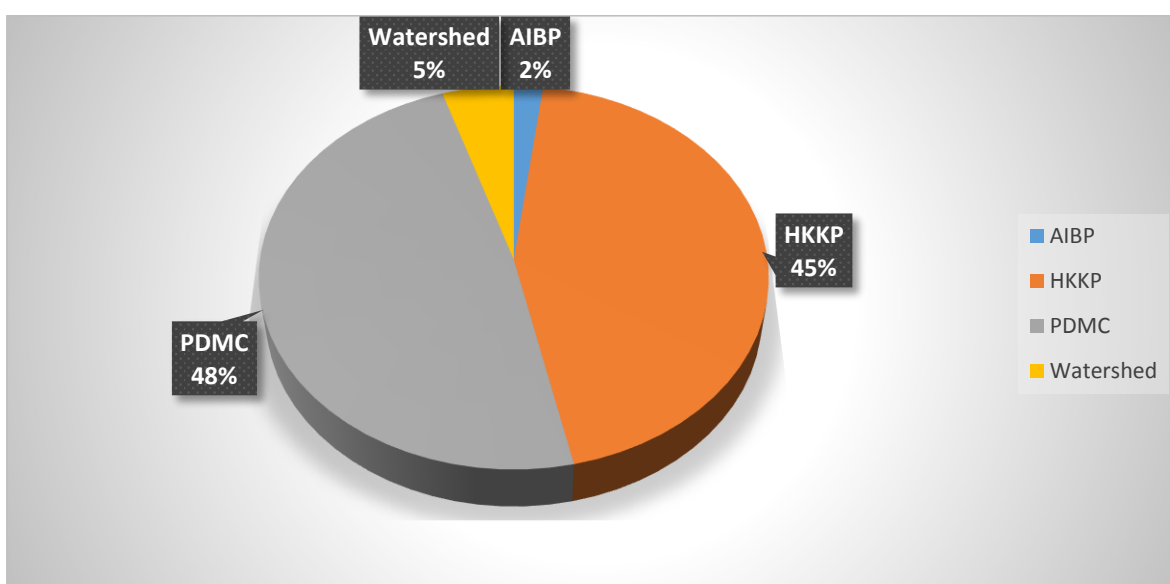


Figure 5.5: Component-wise share in planned outlay under PMKSY in Srijangram block

Bucking the trend observed so far, it is Per Drop More Crop component that has the highest share in the planned outlay of the block with 32.93 crores(36%) earmarked for it. AIBP component has 29.58 crores or 32% of planned outlay in block allotted to it. Har Khet Ko pani component also has a substantial amount of money allotted to it under the planned outlay with 24.33 crores (26%). Watershed component has the least planned outlay in the block with 5.46 crores.

## V. Tapattary block

Table 5.6: Component-wise planned outlay under PMKSY in Tapattary block

Component	Estimated Cost (Rs. in lakhs)
AIBP	85.00
HKKP	1867.84
PDMC	2033.90
Watershed	208.535
<b>Total</b>	<b>4195.275</b>

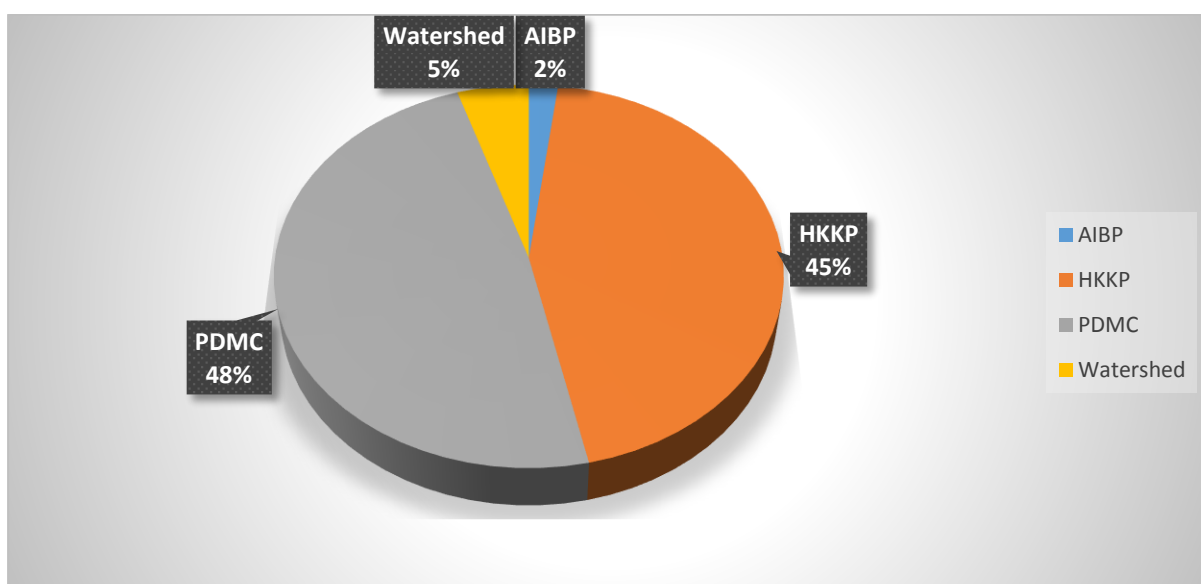


Figure 5.6: Component-wise share in planned outlay under PMKSY in Tapattary block

The largest share in the planned outlay in Tapattary block belongs to Per Drop More Crop component with 20.33crores or 48% i.e. nearly half the amount. Har Khet Ko Pani has 18.67 crores as the planned outlay on it constituting 45% of the total planned outlay for the block. Watershed and AIBP have relatively low planned outlays with 2.08 crores and 0.85 crores respectively allotted to them.

## 5.2 Component-wise planned outlay under PMKSY

Table 5.7: Component-wise planned outlay under PMKSY in Bongaigaon district

COMPONENT WISE	
Component	Estimated Cost (in lakhs)
AIBP	14517.00
HKKP	6977.798
PDMC	8426.36
Watershed	2776.97025
<b>Total</b>	<b>32698.12825</b>

The total planned outlay under PMKSY in the district is 326.98 crores. Among the four components, nearly Rs.145.17 crores (or 44%) will be the allocation for AIBP component. The other large allocation include Rs.84.26 crores (or 26%) under Per Drop More Crop. The major activities proposed under the component include the promotion of drip and sprinkler irrigation systems. Har Khet Ko Pani component has 69.77 crores (21%) planned outlay for it. Watershed component has considerably less outlay planned on it with only 27.76 crores (9%) for it.

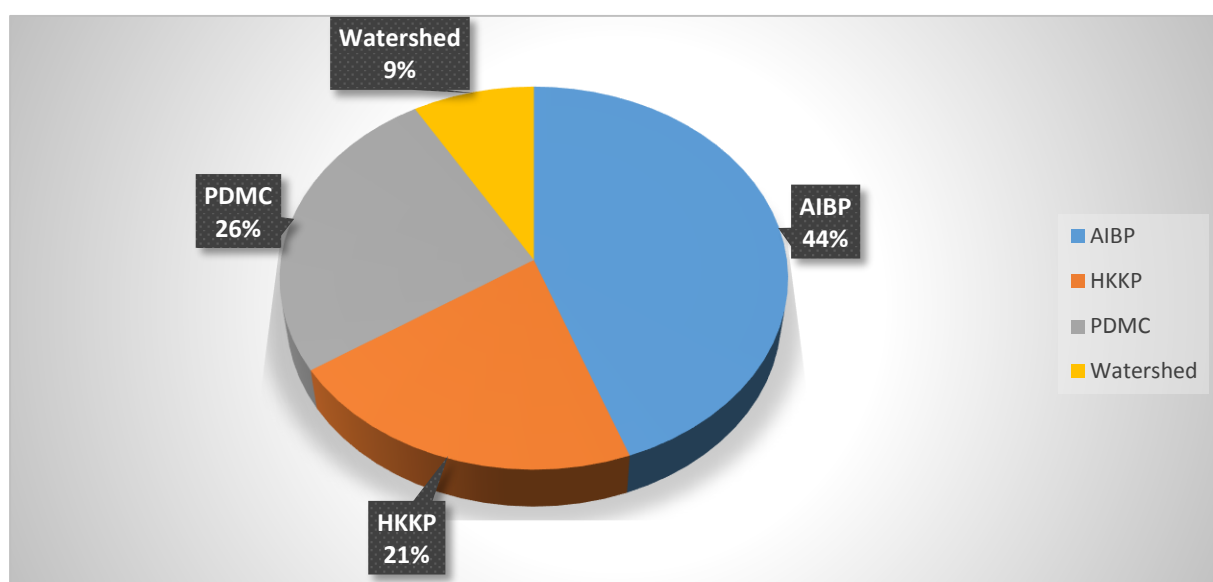


Figure 5.7: Component-wise planned outlay in district under PMKSY



### 5.3 Department-wise planned outlay

Table 5.8: Department-wise planned outlay under PMKSY in Bongaigaon district

DEPARTMENT WISE	
Department	Estimated Cost (in lakhs)
Agriculture	13785.158
Irrigation	16136.00
Soil Conservation	2776.97025
<b>Total</b>	<b>32698.12825</b>

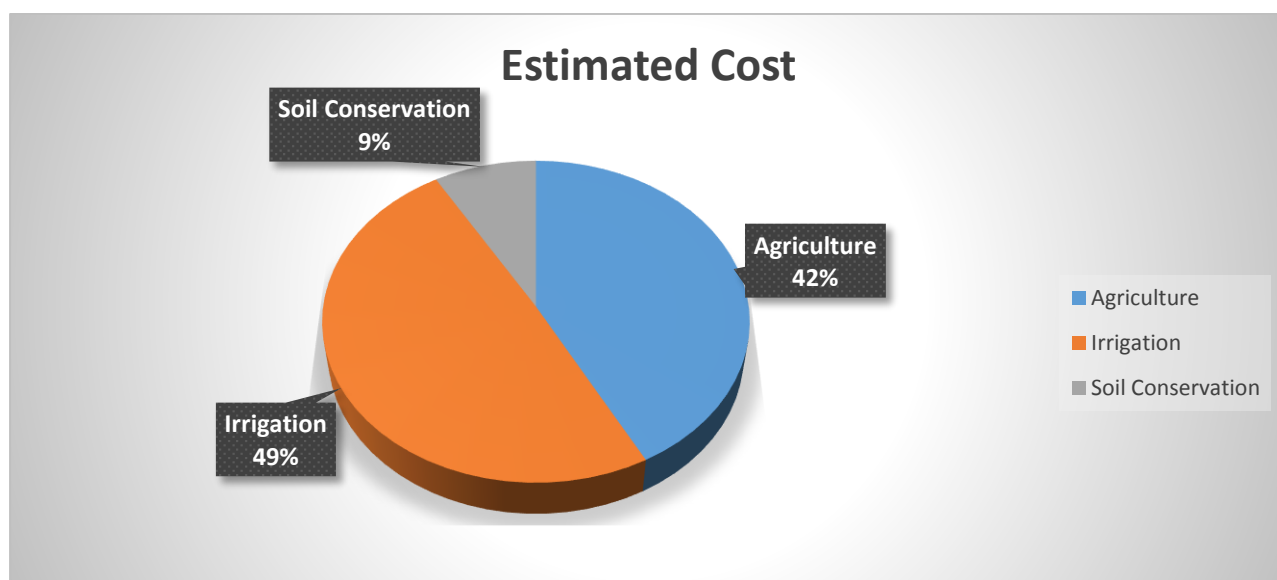


Figure 5.8: Department-wise share in planned outlay under PMKSY in Bongaigaon district

Department-wise, Irrigation Department has the highest share with 161.36 crores or 49% of the planned outlay in Bongaigaon. Department of Agriculture has the second highest share with 137.85 crores or 42% of the planned outlay. Soil Conservation Department which is responsible for watershed activities accounts for 27.76 crores or 9% of the total planned outlay.

# ANNEXURE

# IRRIGATION DEPARTMENT

sl. No.	Name of Block	Name of Scheme	Command Area/Irrigation Potential (Ha)			Estimated Cost (Rs. In Lakh)	Remarks
			Targetted Potential	Potential Utilized	Potential yet to be utilized		
<b>AIBP Component</b>							
1	Srijangram	Kohiguri FIS	330.00	0.00	330.00	808.00	New Proposal
2		Chakla DTWS(8 Pts.)	280.00	0.00	280.00	680.00	New Proposal
3		Kirtanpara DTWS (4 Pts.)	140.00	0.00	140.00	340.00	New Proposal
4		Balarchar Pt-I DTWS	35.00	0.00	35.00	85.00	New Proposal
5		Balarchar Pt-II DTWS(2 Pts.)	70.00	0.00	70.00	170.00	New Proposal
6		Balarcha Pt-III DTWS	35.00	0.00	35.00	85.00	New Proposal
7		Golapara Pt-I DTWS(2 Pts.)	70.00	0.00	70.00	170.00	New Proposal
8		Golapara Pt-IV DTWS	35.00	0.00	35.00	85.00	New Proposal
9	Dangtol	Kuchiakata FIS	120.00	0.00	120.00	294.00	New Proposal
10		Bidyapur FIS	800.00	0.00	800.00	1800.00	New Proposal
11		Tunia FIS	330.00	0.00	330.00	800.00	New Proposal
12		Mulagaon DTWS(4 Pts.)	140.00	0.00	140.00	340.00	New Proposal
13		Kachuagaon DTWS	35.00	0.00	35.00	85.00	New Proposal
14		Kahibari DTWS	35.00	0.00	35.00	85.00	New Proposal
15		Korebari DTWS	35.00	0.00	35.00	85.00	New Proposal
16		Jogipara DTWS	35.00	0.00	35.00	85.00	New Proposal
17	Boitamari	Oudubi Kheluapara DTWS (6 Pts.)	210.00	0.00	210.00	510.00	New Proposal
18		Dhalagaon Majpara DTWS	35.00	0.00	35.00	85.00	New Proposal
19		Dulonibeel DTWS	35.00	0.00	35.00	85.00	New Proposal
20		Oudubi DTWS	35.00	0.00	35.00	85.00	New Proposal
21		Chachpara DTWS	35.00	0.00	35.00	85.00	New Proposal
22		Jogipara DTWS	35.00	0.00	35.00	85.00	New Proposal
23	Manikpur	Chowraguri DTWS	35.00	0.00	35.00	85.00	New Proposal
24		Kuchlaiguri DTWS(2 Pts.)	70.00	0.00	70.00	170.00	New Proposal
25		Deotari DTWS	35.00	0.00	35.00	85.00	New Proposal
26		Lungsar DTWS(4 Pts.)	140.00	0.00	140.00	340.00	New Proposal

27		Chakihali Abadi ELIS(4 Pts.)	210.00	0.00	210.00	500.00	New Proposal
28		Patiladoha DTWS (6 Pts.)	210.00	0.00	210.00	510.00	New Proposal
29		Palengbari DTWS(6 Pts.)	210.00	0.00	210.00	510.00	New Proposal
30		Moukhowa DTWS(4 Pts.)	140.00	0.00	140.00	340.00	New Proposal
31		Kumargaon DTWS (4 pts.)	140.00	0.00	140.00	340.00	New Proposal
32		Bechimari DTWS (4 Pts.)	140.00	0.00	140.00	340.00	New Proposal
33		Nowapara DTWS(4Pts.)	140.00	0.00	140.00	340.00	New Proposal
34		Bhatipara DTWS (4 Pts.)	140.00	0.00	140.00	340.00	New Proposal
35		Kahibari DTWS(4 Pts.)	140.00	0.00	140.00	340.00	New Proposal
36		Aolaguri DTWS (4 Pts.)	140.00	0.00	140.00	340.00	New Proposal
37		Bhandara DTWS (4 Pts.)	140.00	0.00	140.00	340.00	New Proposal
38		Bashbari Chalabila DTWS(8 Pts.)	280.00	0.00	280.00	680.00	New Proposal
39		Jamdoha DTWS(4 Pts.)	140.00	0.00	140.00	340.00	New Proposal
40		Garolati DTWS (4 pts.)	140.00	0.00	140.00	340.00	New Proposal
41	Tapattary	Borjona DTWS	35.00	0.00	35.00	85.00	New Proposal
<b>Har Khet Ko Pani (Repair/ Restoration) Component</b>							
42	Boitamari	Dhaknabari FIS	100.00	20.00	80.00	196.00	Repair/ Restoration
43	Dangtol	senapara ELIS	120.00	60.00	60.00	145.00	Repair/ Restoration
44		Chakapara ELIS	95.00	0.00	95.00	238.00	Repair/ Restoration
45		Borsongaon DTWS(4 Pts.)	140.00	5.00	135.00	330.00	Repair/ Restoration
46		Birjhora Barpara DTWS(1 Pt.)	35.00	5.00	30.00	72.00	Repair/ Restoration
47		Bakhrapara jakuapara DTWS(3 Pts.)	105.00	20.00	85.00	208.00	Repair/ Restoration
48	Manikpur	Manikpur ELIS(2 Pts.)	150.00	60.00	90.00	200.00	Repair/ Restoration
49		Samukhamari ELIS	200.00	80.00	120.00	230.00	Repair/ Restoration

## Har Khet Ko Pani

Programme Component = PMKSY (Har Khet Ko Pani) Surface Minor Irrigation Schemes

Name of Block = Manikpur Development Block under Bongaigaon District.

Name of Division = Bongaigaon Division (Irrigation), Bongaigaon.

### TENTATIVE FORMATS

(Rs in Lakh)

Sl. No.	Name of block	Concerned Ministry/ Department	Components	Activities	Total number/ Capacity (CUM)	Command Area/ Irrigation Potential (Ha)	Estimated Cost in Rs.	Period of implementation (5/7 Yrs.)
1	Manikpur Dev. Block	Ministry of Irrigation	Har khet ko pani	1 Irrigation in Cultivating field under Manikpur ELIS	0.2145	150	200.00	5 Years
2	Manikpur Dev. Block	Ministry of Irrigation	Har khet ko pani	1 Irrigation in Cultivating field under Samukhamari ELIS	0.286	200	230.00	5 Years

Programme Component = PMKSY (Har Khet Ko Pani) Surface Minor Irrigation Schemes

Name of Block = Boitamari Development Block under Bongaigaon District.

Name of Division = Bongaigaon Division (Irrigation), Bongaigaon.

## TENTATIVE FORMATS

(Rs in Lakh)

Sl. No.	Name of block	Concerned Ministry/ Department	Components	Activities	Total number/ Capacity (CUM)	Command Area/ Irrigation Potential (Ha)	Estimated Cost in Rs.	Period of implementation (5/7 Yrs.)
1	Boitamari Dev. Block	Ministry of Irrigation	Har khet ko pani	1 Irrigation in Cultivating field under Dakhnabari FIS	0.143	100	196.00	5 Years

Sl. No.	Name of the Blocks/Sub Districts	Concerned Ministry/ Department	Component	Activity	Total Number/Capacity (Cum)	Command Area/Irrigation Potential (Ha)	Period of Impementation (5 / 7 years)	Estimated Cost (` in Lacs)
1	Dangtol Dev. Block	Ministry of Irrigation	Har Khet Ko pani	Irrigation in cultivating field under Senapara ELIS	0.1716	120	5 years	145.00
2	Dangtol Dev. Block	Ministry of Irrigation	Har Khet Ko pani	Irrigation in cultivating field under Chokapara ELIS	0.13585	95	5 years	238.00
3	Dangtol Dev. Block	Ministry of Irrigation	Har Khet Ko pani	Irrigation in cultivating field under Borsongaon DTWS(4 Pts.)	0.2002	140	5 years	330.00
4	Dangtol Dev. Block	Ministry of Irrigation	Har Khet Ko pani	Irrigation in cultivating field under Birjhora Barpara DTWS(1 Pt.0	0.05005	35	5 years	72.00
5	Dangtol Dev. Block	Ministry of Irrigation	Har Khet Ko pani	Irrigation in cultivating field under Bakhrapara Jhakuapara DTWS(3 Pts.)	0.15015	105	5 years	208.00

## AIBP

Programme Component = AIBP

Name of Block = Srijangram Development Block under Bongaigaon District

Name of Division = Bongaigaon Division (Irrigation), Bongaigaon.

### TENTATIVE FORMATS

(Rs in Lakh)

Sl. No.	Name of block	Concerned Ministry/ Department	Components	Activities	Total number/ Capacity (CUM)	Command Area/ Irrigation Potential (Ha)	Estimated Cost in Rs.	Period of implementation (5/7 Yrs.)
1	Srijangram Dev. Block	Ministry of Irrigation	AIBP	1 Irrigation in cultivating field under Kohiguri FIS	0.4719	330	808.00	5 years
2	Srijangram Dev. Block	Ministry of Irrigation	AIBP	2 Irrigation in cultivating field under Chakla DTWS(8 Pts.)	0.4004	280	680.00	5 years
3	Srijangram Dev. Block	Ministry of Irrigation	AIBP	3 Irrigation in cultivating field under Kirtanpara DTWS(4 Pts.)	0.2002	140	340.00	5 years
4	Srijangram Dev. Block	Ministry of Irrigation	AIBP	4 Irrigation in cultivating field under Balarchar Pt.I DTWS	0.05005	35	85.00	5 years



5	Srijangram Dev. Block	Ministry of Irrigation	AIBP	5	Irrigation in cultivating field under Balarchar Pt.II DTWS	0.1001	70	170.00	5 years
6	Srijangram Dev. Block	Ministry of Irrigation	AIBP	6	Irrigation in cultivating field under Balarchar Pt.III DTWS	0.05005	35	85.00	5 years
7	Srijangram Dev. Block	Ministry of Irrigation	AIBP	7	Irrigation in cultivating field under Golapara Pt.I DTWS(2 Pts.)	0.1001	70	170.00	5 years
8	Srijangram Dev. Block	Ministry of Irrigation	AIBP	8	Irrigation in cultivating field under Golapara pt.IV DTWS	0.05005	35	85.00	5 years
9	Srijangram Dev. Block	Ministry of Irrigation	AIBP	9	Irrigation in cultivating field underChalantapara IS (2 Pts.)	0.9295	650	535.00	5 years

Programme Component = AIBP

Name of Block = Dangtol Development Block under Bongaigaon District

Name of Division = Bongaigaon Division (Irrigation), Bongaigaon.

## TENTATIVE FORMATS

(Rs in Lakh)

Sl. No.	Name of block	Concerned Ministry/ Department	Components	Activities	Total number/ Capacity (CUM)	Command Area/ Irrigation Potential (Ha)	Estimated Cost in Rs.	Period of implementation (5/7 Yrs.)
1	Dangtol Dev. Block	Ministry of Irrigation	AIBP	1 Irrigation in cultivating field under kuchiakata FIS	0.1716	120	294.00	5 years
2	Dangtol Dev. Block	Ministry of Irrigation	AIBP	2 Irrigation in cultivating field under Bidyapur FIS	1.144	800	1800.00	5 years
3	Dangtol Dev. Block	Ministry of Irrigation	AIBP	3 Irrigation in cultivating field under Tunia FIS	0.4719	340	800.00	5 years
4	Dangtol Dev. Block	Ministry of Irrigation	AIBP	4 Irrigation in cultivating field Mulagaon DTWS(4 Pts.)	0.2002	140	340.00	5 years
5	Dangtol Dev. Block	Ministry of Irrigation	AIBP	5 Irrigation in cultivating field under	0.05005	35	85.00	5 years

					Kachuagaon DTWS				
6	Dangtol Dev. Block	Ministry of Irrigation	AIBP	6	Irrigation in cultivating field under kahibari DTWS	0.05005	35	85.00	5 years
7	Dangtol Dev. Block	Ministry of Irrigation	AIBP	7	Irrigation in cultivating field under Korebari DTWS	0.05005	35	85.00	5 years
8	Dangtol Dev. Block	Ministry of Irrigation	AIBP	8	Irrigation in cultivating field under Jogipara DTWS	0.05005	35	85.00	5 years

Programme Component = AIBP

Name of Block = Boitamari Development Block under Bongaigaon District

Name of Division = Bongaigaon Division (Irrigation), Bongaigaon.

## TENTATIVE FORMATS

(Rs in Lakh)

Sl. No.	Name of block	Concerned Ministry/ Department	Components	Activities	Total number/ Capacity (CUM)	Command Area/ Irrigation Potential (Ha)	Estimated Cost in Rs.	Period of implementation (5/7 Yrs.)
1	Boitamari Dev. Block	Ministry of Irrigation	AIBP	1 Irrigation in cultivating field under Oudubi Kheluapara DTWS(6 Pts.)	0.3003	210	510.00	5 years
2	Boitamari Dev. Block	Ministry of Irrigation	AIBP	2 Irrigation in cultivating field under Dholagaon Majpara DTWS	0.05005	35	85.00	5 years
3	Boitamari Dev. Block	Ministry of Irrigation	AIBP	3 Irrigation in cultivating field under Dulonibeel DTWS	0.05005	35	85.00	5 years
4	Boitamari Dev. Block	Ministry of Irrigation	AIBP	4 Irrigation in cultivating field under oudubi DTWS	0.05005	35	85.00	5 years

5	Boitamari Dev. Block	Ministry of Irrigation	AIBP	5	Irrigation in cultivating field Cachpara DTWS	0.05005	35	85.00	5 years
6	Boitamari Dev. Block	Ministry of Irrigation	AIBP	6	Irrigation in cultivating field under Jogipara DTWS	0.05005	35	85.00	5 years
7	Boitamari Dev. Block	Ministry of Irrigation	AIBP	7	Irrigation in cultivating field under Sankarghola FIS	0.4433	310	475.00	5 years
8	Boitamari Dev. Block	Ministry of Irrigation	AIBP	8	Irrigation in cultivating field under Nigamghola FIS	0.12155	85	210.00	5 years

Programme Component = AIBP

Name of Block = Tapattary Development Block under Bongaigaon District

Name of Division = Bongaigaon Division (Irrigation), Bongaigaon.

## TENTATIVE FORMATS

(Rs in Lakh)

Sl. No.	Name of block	Concerned Ministry/ Department	Components	Activities	Total number/ Capacity (CUM)	Command Area/ Irrigation Potential (Ha)	Estimated Cost in Rs.	Period of implementation (5/7 Yrs.)
1	Tapattary Dev. Block	Ministry of Irrigation	AIBP	1 Irrigation in cultivating field under Borjona DTWS	0.05005	35	85.00	5 years

Programme Component = AIBP

Name of Block = Manikpur Development Block under Bongaigaon District

Name of Division = Bongaigaon Division (Irrigation), Bongaigaon.

## TENTATIVE FORMATS

Sl. No.	Name of block	Concerned Ministry/ Department	Components	Activities	Total number/ Capacity (CUM)	Command Area/ Irrigation Potential (Ha)	Estimated Cost in Rs.	Period of implementation (5/7 Yrs.)
1	Manikpur Dev. Block	Ministry of Irrigation	AIBP	1 Irrigation in cultivating field under Chowraguri DTWS	0.05005	35	85.00	5 years
2	Manikpur Dev. Block	Ministry of Irrigation	AIBP	2 Irrigation in cultivating field under kuchlaiguri DTWS	0.1001	70	170.00	5 years
3	Manikpur Dev. Block	Ministry of Irrigation	AIBP	3 Irrigation in cultivating field under Deotari DTWS	0.05005	35	85.00	5 years
4	Manikpur Dev. Block	Ministry of Irrigation	AIBP	4 Irrigation in cultivating field under Lungsar DTWS(4 Pts.0	0.2002	140	340.00	5 years
5	Manikpur Dev. Block	Ministry of Irrigation	AIBP	5 Irrigation in cultivating field under Chakihali Abadi ELIS(4 Pts.)	0.3003	210	500.00	5 years
6	Manikpur Dev. Block	Ministry of Irrigation	AIBP	6 Irrigation in cultivating field under Patiladoha DTWS(6 Pts.)	0.3003	210	510.00	5 years

7	Manikpur Dev. Block	Ministry of Irrigation	AIBP	7	Irrigation in cultivating field under Palengbari DTWS(6 Pts.0	0.3003	210	510.00	5 years
8	Manikpur Dev. Block	Ministry of Irrigation	AIBP	8	Irrigation in cultivating field under Moukhowa DTWS(4 Pts.)	0.2002	140	340.00	5 years
9	Manikpur Dev. Block	Ministry of Irrigation	AIBP	9	Irrigation in cultivating field kumargaon DTWS(4 Pts.)	0.2002	140	340.00	5 years
10	Manikpur Dev. Block	Ministry of Irrigation	AIBP	10	Irrigation in cultivating field under Bechimari DTWS(4 Pts.0	0.2002	140	340.00	5 years
11	Manikpur Dev. Block	Ministry of Irrigation	AIBP	11	Irrigation in cultivating field under Nowapara DTWS(4 Pts.)	0.2002	140	340.00	5 years
12	Manikpur Dev. Block	Ministry of Irrigation	AIBP	12	Irrigation in cultivating field under Bhatipara DTWS(4 Pts.)	0.2002	140	340.00	5 years
13	Manikpur Dev. Block	Ministry of Irrigation	AIBP	13	Irrigation in cultivating field under kahibari DTWS(4 Pts.)	0.2002	140	340.00	5 years
14	Manikpur Dev. Block	Ministry of Irrigation	AIBP	14	Irrigation in cultivating field under Aolaguri DTWS (4 Pts.0	0.2002	140	340.00	5 years
15	Manikpur Dev. Block	Ministry of Irrigation	AIBP	15	Irrigation in cultivating field under Bhandara DTWS (4 Pts.)	0.2002	140	340.00	5 years
16	Manikpur Dev. Block	Ministry of Irrigation	AIBP	16	Irrigation in cultivating field under Bashbari Chalabila DTWS(8 Pts.)	0.4004	280	680.00	5 years



17	Manikpur Dev. Block	Ministry of Irrigation	AIBP	17	Irrigation in cultivating field under Jamdoha DTWS(4 Pts.0	0.2002	140	340.00	5 years
18	Manikpur Dev. Block	Ministry of Irrigation	AIBP	18	Irrigation in cultivating field under Garolati DTWS(4 Pts.0	0.2002	140	340.00	5 years

## Soil Conservation

Name of Block	Name of IWMP Project	Name of G.P.	Block wise Fund Requirement								
			ADM	C B	NRM	Livelihood	Production	Monitoring	Evaluation	Consolidation	Total
Boitamari	Bongaigaon-III (Ghoganala ) IWMP/2010-11	Boitamari, North Boitamai	12.45655	4.93000	127.72000	25.10000	28.00000	1.64000	1.64000	4.93000	206.41655
<b>Total</b>			<b>12.45655</b>	<b>4.93000</b>	<b>127.72000</b>	<b>25.10000</b>	<b>28.00000</b>	<b>1.64000</b>	<b>1.64000</b>	<b>4.93000</b>	<b>206.41655</b>

Name of Block	Name of IWMP Project	Name of G.P.	Block wise Fund Requirement								
			ADM	C B	NRM	Livelihood	Production	Monitoring	Evaluation	Consolidation	Total
<b>Dangtol</b>	Ghoganala 2010-11, Kujianala 2011-12, Kujia Pt-I 2014-15	Ghoganala 2010-11 - Bidyapur, Bamuntila, North Boitamari,	108.97214	49.18920	572.60506	90.00000	95.00000	12.22000	12.22000	36.65000	976.85640
		Kujianala -2011-12- Athugaon, Kakragaon, Dangtal, Chikibiki, Tilakgaon									
		Kujia Pt-I-2014-15 Chaprakhata, Chiponsila, Chakrapara, Chikibiki, Bongaigaon, Ghilaguri									
<b>Total</b>			<b>108.97214</b>	<b>49.18920</b>	<b>572.60506</b>	<b>90.00000</b>	<b>95.00000</b>	<b>12.22000</b>	<b>12.22000</b>	<b>36.65000</b>	<b>976.85640</b>

Name of Block	Name of IWMP Project	Name of G.P.	Block wise Fund Requirement								
			ADM	C B	NRM	Livelihood	Production	Monitoring	Evaluation	Consolidation	Total
Manikpur	Pokaloga 2012-13, Aie Lower 2013-14	Newapara, Manikpur, Basbari Salabila, Jhowguri	82.71800	37.98380	496.70400	86.30608	92.43750	8.47500	8.47500	25.42600	838.52538
		Bhandara, Goroimari, Kirtanpara, Jamdaha, Nisankuri, Hapasora, Dangaigaon									
<b>Total</b>			<b>82.71800</b>	<b>37.98380</b>	<b>496.70400</b>	<b>86.30608</b>	<b>92.43750</b>	<b>8.47500</b>	<b>8.47500</b>	<b>25.42600</b>	<b>838.52538</b>

Name of Block	Name of IWMP Project	Name of G.P.	Block wise Fund Requirement								
			ADM	C B	NRM	Livelihood	Production	Monitoring	Evaluation	Consolidation	Total
Srijangram	Manah Pt-II 2010-11, Pokaloga 2012-13 Aie Lower 2013-14	Golapara Banglapara, Chakla, Balrchar Matraghola, Kokila, Kacharipatti, Rangapani, Jopea	49.63457	20.37449	331.94720	49.54666	64.76000	6.07500	6.07500	18.22400	546.63692
		Kokila Dakshinpara, Kokila Maj para, Kokila Nayapara, Kokila Uttarpara									
		Sajalpara, Kirtanpara Pt II, Kirtanpara Pt I									
<b>Total</b>			<b>49.63457</b>	<b>20.37449</b>	<b>331.94720</b>	<b>49.54666</b>	<b>64.76000</b>	<b>6.07500</b>	<b>6.07500</b>	<b>18.22400</b>	<b>546.63692</b>

Name of Block	Name of IWMP Project	Name of G.P.	Block wise Fund Requirement								
			ADM	C B	NRM	Livelihood	Production	Monitoring	Evaluation	Consolidation	Total
Tapattary	-----	Rangapani, Sontospur Dumenguri, Borjona, Malegarh, Nasatra Baghekhiti, Lengtisinga	25.00000	14.00000	131.03500	14.50000	12.70000	2.50000	2.50000	6.30000	208.53500
<b>Total</b>			<b>25.00000</b>	<b>14.00000</b>	<b>131.03500</b>	<b>14.50000</b>	<b>12.70000</b>	<b>2.50000</b>	<b>2.50000</b>	<b>6.30000</b>	<b>208.53500</b>

**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Micro Enterprise (Rs. In Lakhs)**

**Name of Block :- Boitamari**

Sl. No.	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	No. of Beneficiary	
1	Boitamari (Bongaigaon-III)	Barkhata-I	Crop Demo Rice	Ha.	0.16000/Ha.	8.5	1.37000	8	
2		Rogunandanpur-I	Crop Demo Rape/Mustard	Ha.	0.12500/Ha.	8	1.00000	8	
3		Kachapara	Vermi compost	No.	0.23000/No.	6	1.38000	6	
4		Amguri	Planting Horticulture Plantts	Rm.	0.00020/Rm	8000	1.60000	4	
5		Maligaon	5 HP diesel engin pump	No.	0.30000/No.	4	1.20000	4	
6		Rogunandanpur-II	Goat rearing	Unit	0.25000/Unit	2	0.50000	2	
7		Barkahata-III	Poultry rearing	Unit	0.25000/Unit	4	1.00000	4	
8		Barkahata-II	Artificial incemination	No.	0.05000/No.	3	0.17000	3	
		<b>Sub total of Boitamari G.P.</b>						<b>8.22000</b>	<b>51</b>
9	South Boitamari	Besimari	Diesel electric pump	No.	0.16500/No.	5	0.82500	5	
		<b>Sub total of South Boitamari G.P.</b>						<b>0.82500</b>	<b>5</b>
		<b>Grand total of Boitamari Block</b>						<b>9.04500</b>	<b>56</b>

**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Watershed Dev. Works (Rs. In Lakhs)**

**Name of Block :- Boitamari**

Sl. No.	Name of MWS	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	Area Benefitted in Ha/No.	No. of Beneficiary
1	Birpara(Bong-III)	Boitamari	Barkhata-I	Drop Spil Way	M <sup>2</sup>	0.41700 M <sup>2</sup>	19	7.92000	65	37
2	Amguri (Bongaigaon-III)		Rogunandanpur-I	Brick cannel	Rm	0.00680 Rm	500	3.40000	30	18
3			Kachapara	Water Storage trunk	No.	0.38500	2	0.77000	7	6
4			Amguri	Land Dev./ Land Reclamation	Ha.	0.12000/Ha.	20	2.40000	20	16
5			Maligaon	Drop Spil Way	M <sup>2</sup>	0.41700 M <sup>2</sup>	20	8.34000	70	58
6			Rogunandanpur-II	Agri bund	Rm	0.00218 Rm	2312	5.04000	50	41
7			Barkahata-III	Brick cannel	Rm	0.00680 Rm	600	4.08000	36	29
8			Barkahata-II	Agri bund	Rm	0.00218 Rm	1679	3.66000	30	24
<b>Sub total of Boitamari G.P.</b>								<b>35.61000</b>	<b>206</b>	<b>168</b>
9	Amguri(Bong-III)	North Boitamari	Besimari	Brick cannel	Rm	0.00680 Rm	500	4.40000	30	18
<b>Sub total of North Boitamari G.P.</b>								<b>4.40000</b>	<b>30</b>	<b>18</b>
<b>Grand total of Boitamari Block</b>								<b>40.01000</b>	<b>236</b>	<b>186</b>



**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Livelihood Activities (Rs. In Lakhs)**

**Name of Block :- Boitamari**

Sl. No.	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	No. of Beneficiary/SHG
1	Boitamari (Bongaigaon-III)	Barkhata-I	Bicycle repairing	No.	0.25000/Unit	6	1.50000	6
2		Rogunandanpur-I	Poultry	No.	0.25000/Unit	2	0.50000	2
			Handloom	No.	0.25000/Unit	2	0.50000	2
3		Kachapara	Duckery	No.	0.25000/Unit	2	0.50000	2
4		Amguri	Gautery	No.	0.25000/Unit	2	0.50000	2
5		Maligaon	Handloom	No.	0.25000/Unit	2	0.50000	2
6		Rogunandanpur-II	Beekeeping	No.	0.20000/Unit	2	0.40000	2
7		Barkahata-III	Dairy	No.	0.25000/Unit	10	2.54000	10
8	Barkahata-II	Torsa making	No.	0.25000/Unit	4	1.00000	4	
		<b>Sub total of Boitamari G.P.</b>				<b>22</b>	<b>7.94000</b>	<b>26</b>
9	South Boitamari	Besimari	Torsa making	No.	0.25000/Unit	4	1.00000	4
		<b>Sub total of South Boitamari G.P.</b>				<b>2</b>	<b>1.00000</b>	<b>2</b>
		<b>Grand total of Boitamari Block</b>				<b>24</b>	<b>8.94000</b>	<b>28</b>

**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Watershed Dev. Works (Rs. In Lakhs)  
Name of Block :- Dangtol**

Sl. No.	Name of MWS	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	Area Benefitted in Ha/No.	No. of Beneficiary
1	Ghoga (Bong-III)	Bidyapur	Bidyapur	Boulder spur	Rm	0.03150/Rm	180	5.67000	40	25
3				Drop Spil Way	M <sup>2</sup>	0.41700 M <sup>2</sup>	18	7.51000	80	57
4				Aff. Plantation (Maint.)	Ha.	0.07145 Ha.	1	0.07145	1	3
5			Chengmari	Agri bund	Rm	0.00218 Rm	1000	2.18000	18	12
6			Fulkumari	Irrigation Channal Repeating	Rm	0.00120 Rm	1069	1.28000	10	8
7				Earthen bund	Rm	0.00218 Rm	500	1.09000	9	7
8			Bhitor Chengmari	Boulder spur	Rm	0.03150/Rm	100	3.15000	50	40
10			Noitamari(Bong-IV)	Durgamari	Graded bund	Rm	0.00218/Rm	2500	5.45000	45
11	Birpara(Bong-III)	Rosigaon	Agri bund	Rm	0.00218 Rm	1000	3.18000	18	12	
12			<b>Sub total of Bidyapur G.P.</b>					<b>29.58145</b>	<b>175</b>	<b>128</b>
13	Ghoga(Bong-III)	Bamunitola	Bamunitla	Water Storage trunk	No.	0.38500	2	0.77000	7	6
14			Nankargaon	Agri bund	Rm	0.00218 Rm	1000	2.18000	18	12
15	Birpara (Bong-III)		Bahir Chengmari	Agri bund	Rm	0.00218 Rm	900	1.96000	15	10
16			Singimari-I	Boulder spur	Rm	0.03150/Rm	90	2.84000	40	28
17			Singimari-II	Boulder spur	Rm	0.03150/Rm	80	2.52000	35	25
18				Aff. Plantation (Maint.)	Ha.	0.07145 Ha.	3	0.21435	3	7
19	Noitamari (Bong-IV)		Bhandarani	Graded bund	Rm	0.00218/Rm	1000.00	2.18000	18	15
20				Slab Culvert	No.	0.85000/No.	1	0.85000	7	8

21			<b>Sub total of Bamuntola G.P.</b>					<b>13.51435</b>	<b>143</b>	<b>111</b>
22	Bashbari (Bong-III)	North Boitamari	Basbari-I	Brick cannel	Rm	0.00680 Rm	350	2.38000	20	16
23			Basbari-II	Irrigation Channal	Rm	0.00120 Rm	1000	1.20000	10	7
24			Dewagaon	Boulder check dam	M <sup>3</sup>	0.02100M <sup>3</sup>	20	0.42000	4	6
25				Aff. Plantation (Maint.)	Ha.	0.07145 Ha.	2	0.14290	2	3
26	Amguri(Bong-III)	Ujanpara	Agri bund	Rm	0.00218 Rm	1000	3.18000	18	12	
			<b>Sub total of North Boitamari G.P.</b>					<b>7.32290</b>	<b>54</b>	<b>44</b>

22	Kakragaon (Bong-IV)	Athugaon	Kachugaon	Brick cannel	Rm	0.00680/Rm	1000	6.80000	56	44	
23				Drainage Channel	Rm	0.00355/Rm	2000.00	7.10000	59	45	
24			<b>Sub total of Athugaon G.P.</b>					<b>13.90000</b>	<b>115</b>	<b>89</b>	
25		Dabil	Kakragaon	Graded bund	Rm	0.00218/Rm	700.00	1.53000	13	9	
26				Slab Culvert	No.	0.85000/No.	1	0.85000	7	8	
27		Kakragaon		Graded bund	Rm	0.00218/Rm	1000.00	2.18000	18	15	
28				Slab Culvert	No.	0.85000/No.	1	0.85000	7	8	
29		Noitamari (Bong-IV)		Digdari	Graded bund	Rm	0.00218/Rm	900.00	1.96000	16	12
30					Slab Culvert	No.	0.85000/No.	1	0.85000	7	8
31		Bogulamari (Bong-IV)		Bogulamari	Drainage Channel	Rm	0.00355/Rm	150.00	0.5300	4	8
32	Graded bund				Rm	0.00218/Rm	1500.00	3.2700	27	24	
33	Slab Culvert				No.	0.85000/No.	1	0.85000	7	8	
				<b>Sub total of Kakragaon G.P.</b>					<b>12.87000</b>	<b>106</b>	<b>100</b>
44	Kakragaon (Bong-IV)	Dangtol	Tilpukuri	Graded bund	Rm	0.00218/Rm	3000	6.54000	55	48	
45				Slab Culvert	No.	0.85000/No.	1	0.85000	7	8	
46			<b>Sub total of Dangtol G.P.</b>					<b>7.39000</b>	<b>62</b>	<b>56</b>	
47	Noitamari (Bong-IV)	Ghilaguri	Ghilaguri	Graded bund	Rm	0.00218/Rm	900.00	1.96000	16	12	
48				Slab Culvert	No.	0.85000/No.	1	0.85000	7	8	
49			<b>Sub total of Ghilaguri G.P.</b>					<b>2.81000</b>	<b>7</b>	<b>8</b>	
50	Noldoba (Bong-IV)	Chikibiki	Hallahguri	Reclamation of Marchi land	M <sup>3</sup>	0.00346/M <sup>3</sup>	43620.00	15.09259	123	59	
51				Perephery bund	Rm	0.00218/Rm	1500.00	3.2700	27	24	

52			Nachankuti	Reclamation of Marchi land	M <sup>3</sup>	0.00346/M <sup>3</sup>	1943.00	6.7200	56	40
53				Perephery bund	Rm	0.00218/Rm	1000.00	2.18000	18	15
54	Bogulamari (Bong-IV)		Tokiamari	Graded bund	Rm	0.00218/Rm	1500.00	3.2700	27	24
55				Slab Culvert	No.	0.85000/No.	1	0.85000	7	8
56			<b>Sub total of Chikibiki G.P.</b>					<b>31.38259</b>	<b>240</b>	<b>155</b>
57	Chaprakhata (Bong-VII)	Chaprakata	Ravapara	Reclamation of Marchi land	M <sup>3</sup>	0.00378/M <sup>3</sup>	1500	5.67000	47	33
58			Hirapara	Horticulture Plantation	Ha.	1.45000/Ha.	1	1.45000	1	4
59			Chitkagaon	Horticulture Plantation	Ha.	1.45000/Ha.	0.5	0.72000	0.5	2
60			Nayapara	Horticulture Plantation	Ha.	1.45000/Ha.	0.25	0.36000	0.25	1
61			<b>Sub total of Chaprakata G.P.</b>					<b>8.20000</b>	<b>48.75</b>	<b>40</b>
62	Kashidoba(Bong-VII)	Chiponsila	Kasidoba	Horticulture Plantation	Ha.	1.45000/Ha.	0.25	0.36000	0.25	1
63	Kathalguri(Bong-VII)		Kathalguri	Horticulture Plantation	Ha.	1.45000/Ha.	0.25	0.36000	0.25	1
64			<b>Sub total of Chiponsila G.P.</b>					<b>0.72000</b>	<b>0.50</b>	<b>2</b>

65	Chiponsila (Bong-VII)	Bongaigaon	Betbari	Gully Control project	M <sup>2</sup>	0.47400/M <sup>2</sup>	15	7.11000	60	32
66				Boulder Pitching	Rm.	0.06300/Rm	100	6.30000	52	38
67			Mespara	Reclamation of community pond	M <sup>3</sup>	0.00378/M <sup>3</sup>	700	2.65000	24	19
68				Horticulture Plantation	Ha.	1.45000/Ha.	0.5	0.72000	0.5	2
69			<b>Sub total of Bongaigaon G.P.</b>					<b>16.78000</b>	<b>136.5</b>	<b>91</b>
70	Chiponsila (Bong-VII)	Chakrapara	Chakrapara-Pt-I	RCC check dam	M <sup>2</sup>	0.47400/M <sup>2</sup>	15	7.10420	60	32
71	Kachidoba (Bong-VII)		Majgaon pt-I	Horticulture Plantation	Ha.	1.45000/Ha.	0.25	0.36000	0.25	1
72			Majgaon pt-II	Horticulture Plantation	Ha.	1.45000/Ha.	0.25	0.36000	0.25	1
73			Majgaon Nigamhola	Horticulture Plantation	Ha.	1.45000/Ha.	0.25	0.36000	0.25	1
74			<b>Sub total of Chakrapara G.P.</b>					<b>8.18420</b>	<b>60.75</b>	<b>35</b>
			<b>Sub total of Dangtol Block</b>					<b>152.65549</b>	<b>1406.5</b>	<b>1162</b>

**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Livelihood Activities (Rs. In Lakhs)**

**Name of Block :- Dangtol**

Sl. No.	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	No. of Beneficiary
1	Bidyapur	Durgamari	Goatery	Unit	0.25000/Unit	1	0.25000	1
2	Bamuntola	Bhandarani	Goatery	Unit	0.25000/Unit	1	0.25000	1
3	North Boitamari	Basbari-I	Carpentary	Unit	0.24000/Unit	2	0.48000	2
4			Beekeeping	Unit	0.20000/Unit	2	0.40000	2
5		Basbari-II	Vermi compost	Unit	0.23333/Unit	4	0.93000	4
6		Dewagaon	Met/Jut/Patti Making	Unit	0.50000/Unit	1	0.50000	1
7		Ujanpara	Dairy	Unit	1.35000/Unit	1	1.35000	1
8	Athugaon	Kachugaon	Goatery	Unit	0.25000/Unit	1	0.25000	1
9	Kakrugaon	Dabil	Goatery	Unit	0.25000/Unit	1	0.25000	1
10		Digdari	Goatery	Unit	0.25000/Unit	1	0.25000	1
11	Tilakgaon	Bogulamari	Goatery	Unit	0.25000/Unit	1	0.25000	1
12		Tilakgaon	Goatery	Unit	0.25000/Unit	1	0.25000	1
13		Choraikhosra	Goatery	Unit	0.25000/Unit	1	0.25000	1
14		Borsara	Goatery	Unit	0.25000/Unit	1	0.25000	1
15	Kakrugaon	Pub Bhadra	Goatery	Unit	0.25000/Unit	1	0.25000	1
16		Pub Bhadra-II	Goatery	Unit	0.25000/Unit	1	0.25000	1
17		Pub Bhadra-I	Goatery	Unit	0.25000/Unit	1	0.25000	1
18		Ravapara	Goatery	Unit	0.25000/Unit	1	0.25000	1
19	Dangtol	Tilpukuri	Goatery	Unit	0.25000/Unit	1	0.25000	1
20		Tangaigaon	Goatery	Unit	0.25000/Unit	1	0.25000	1
21	Kakrugaon	Ghilaguri	Goatery	Unit	0.25000/Unit	1	0.25000	1
22	Chikibiki	Nachankuti	Goatery	Unit	0.25000/Unit	1	0.25000	1
23		Chikibiki	Goatery	Unit	0.25000/Unit	1	0.25000	1
24		Tokiamari	Goatery	Unit	0.25000/Unit	1	0.25000	1
<b>Total of Dangtol Block</b>							<b>8.41000</b>	<b>29</b>

**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Micro Enterprise (Rs. In Lakhs)**

**Name of Block :- Dangtol**

Sl. No.	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	No. of Beneficiary
1	Bidyapur	Durgamari	Goatery	Unit	0.25000/Unit	1	0.25000	1
2	North Boitamari	Basbari-I	Crop Demo Vegetable	Ha.	0.24750/Ha.	5	1.24000	5
3		Basbari-II	Crop Demo Green gram/Black gram	Ha.	0.17500/Ha.	6	1.05000	6
4		Dewagaon	Veg. quality seed dist.	Ha.	0.30000/Market Rate	2	0.60000	2
5		Ujanpara	Composit pit	No.	0.02400/No.	10	0.24000	10
			Pasture Development	Ha.	0.11200/Ha.	4	0.45000	4
6	Kakrangaon	Digdari	Goatery	Unit	0.25000/Unit	1	0.25000	1
7		Kakrangaon	Goatery	Unit	0.25000/Unit	1	0.25000	1
8	Tilakgaon	Bogulamari	Goatery	Unit	0.25000/Unit	1	0.25000	1
9		Choraikhosra	Goatery	Unit	0.25000/Unit	1	0.25000	1
10	Kakrangaon	Ravapara	Goatery	Unit	0.25000/Unit	1	0.25000	1
11	Dangtol	Tilpukuri	Goatery	Unit	0.25000/Unit	1	0.25000	1
12	Chikibiki	Chikibiki	Goatery	Unit	0.25000/Unit	1	0.25000	1
13		Tokiamari	Goatery	Unit	0.25000/Unit	1	0.25000	1
14		Nachankuti	Goatery	Unit	0.25000/Unit	1	0.25000	1
15	Chiponsila	Kasidoba	Goatery	Unit	0.25000/Unit	1	0.25000	1
16		Kathalguri	Goatery	Unit	0.25000/Unit	1	0.25000	1
17	Chakrapara	Chakrapara-Pt-I	Goatery	Unit	0.25000/Unit	1	0.25000	1
18		Majgaon pt-I	Goatery	Unit	0.25000/Unit	1	0.25000	1
19		Majgaon pt-II	Goatery	Unit	0.25000/Unit	1	0.25000	1
20		Majgaon Nigamhola	Goatery	Unit	0.25000/Unit	1	0.25000	1
21	Bongaigaon	Betbari	Veg. quality seed dist.	Ha.	0.30000/Market Rate	2	0.60000	2
22		Maspara	Goatery	Unit	0.25000/Unit	1	0.25000	1
23	Ghilaguri	Ghilaguri	Composit pit	No.	0.02400/No.	10	0.24000	10
24	Athugaon	Kachugaon	Pasture Development	Ha.	0.11200/Ha.	4	0.45000	4
<b>Total of Dangtol Block</b>						<b>35</b>	<b>9.12000</b>	<b>35</b>

**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Watershed Dev. Works (Rs. In Lakhs)  
Name of Block :- Manikpur**

Sl. No.	Name of MWS	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	Area Benefitted in Ha/No.	No. of Beneficiary
1	Bhatipara (Bong-V)	Newapara	Bhatipara	Agri Bund	Rm	0.00218/Rm	1800	3.92400	33	25
2				<b>Sub total for Newapara G.P.</b>					<b>3.92400</b>	<b>33</b>
3		Manikpur	Barbila	Agri Bund	Rm	0.00218/Rm	2000.00	4.36000	36	28
4				<b>Sub total for Manikpur G.P.</b>				<b>4.36000</b>	<b>36</b>	<b>28</b>
5	Dompara (Bong-V)	Basbari Salabila	Salabila-II	Fishery Pond	No.	1.18/Ha.	1	1.18000	6	6
6			Salabila-III	Boulder pitching	M <sup>2</sup>	0.01665/M <sup>2</sup>	450.00	7.49000	63	52
7	Jawmari(Bong-V)		Bechimari	Agri Bund	Rm	0.00218/Rm	1500.00	3.27000	27	23
8	Kirtanpara (Bong-VI)		Basbari-III	Agri Bund	Rm	0.00218/Rm	700	1.53000	12	9
9			Basbari-VII	Agri Bund	Rm	0.00218/Rm	1100.00	2.40000	20	17
10				<b>Sub total for Basbari Salabila G.P.</b>				<b>15.87000</b>	<b>128</b>	<b>107</b>
11	Jawmari (Bong-V)	Jhowguri	Jhowbari	Fishery Pond	No.	1.18/Ha.	2	2.36000	18	12
12				Field Bund	Rm	0.00218/Rm	1000.00	2.18000	18	15
13				Horticulture	Ha.	1.45000/Ha.	1	1.45000	1	4
14	Nowagaon (Bong-V)		Abadigaon	Field Bund	Rm	0.00218/Rm	1000.00	2.18000	18	15
15			Takabari	Field Bund	Rm	0.00218/Rm	1500.00	3.27000	27	23
16				Horticulture	Ha.	1.45000/Ha.	0.30	0.43000	0.3	2
17				<b>Sub total for Jhowguri G.P.</b>				<b>11.87000</b>	<b>82.3</b>	<b>71</b>
18	Bhandra (Bong-VI)	Bhandra	Bhandra -III	Agri Bund	Rm	0.00218/Rm	1000	2.18000	18	15
19			Bhandra -V	Agri Bund	Rm	0.00218/Rm	700	1.53000	12	9
20			Bhandra -II	Perephery Bund	Rm	0.00218/Rm	1000	2.18000	18	15
21			Jamdaha-VI	Perephery Bund	Rm	0.00218/Rm	1000	2.18000	18	15
22			Bhandra-IV	Perephery Bund	Rm	0.00218/Rm	1000	2.18000	18	15
23				<b>Sub total for Bhandra G.P.</b>				<b>10.25000</b>	<b>84</b>	<b>69</b>
24		Goroimari	Nachanguri-I	Earthen cahnnel	Rm	0.00158/Rm	1000.00	1.58000	18	15

25	Nichanguri (Bong-VI)			Boulder pitching	M <sup>2</sup>	0.01665/M <sup>2</sup>	300.00	4.99500	40	27
<b>Sub total for Goroimari G.P.</b>								<b>6.57500</b>	<b>58</b>	<b>42</b>
<b>Grand total for Manikpur Block</b>								<b>52.84900</b>	<b>421.30</b>	<b>342</b>

**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Livelihood Activities (Rs. In Lakhs)**

**Name of Block :- Manikpur**

Sl. No.	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	No. of Beneficiary
1	Newapara	Bhatipara	Goatery	Unit	0.25000/Unit	1	0.25000	1
2	Manikpur	Barbila	Goatery	Unit	0.25000/Unit	1	0.25000	1
3		Kahibari	Goatery	Unit	0.25000/Unit	1	0.25000	1
4		Manikpur	Goatery	Unit	0.25000/Unit	1	0.25000	1
5		Moukhowa	Goatery	Unit	0.25000/Unit	1	0.25000	1
6		Nowpara-I	Goatery	Unit	0.25000/Unit	1	0.25000	1
7		Nowpara-II	Goatery	Unit	0.25000/Unit	1	0.25000	1
8		Dompara	Goatery	Unit	0.25000/Unit	1	0.25000	1
9		Basbari Salabila	Basbari-I	Goatery	Unit	0.25000/Unit	1	0.25000
10	Awlaguri		Goatery	Unit	0.25000/Unit	1	0.25000	1
11	Salabila-III		Dairy	Unit	0.25000/Unit	1	0.25000	1
12	Bechimari		Goatery	Unit	0.25000/Unit	1	0.25000	1
13	Basbari-VII		Goatery	Unit	0.25000/Unit	1	0.25000	1
14	Basbari-V		Goatery	Unit	0.25000/Unit	1	0.25000	1
15	Jhowguri	Adlaguri	Goatery	Unit	0.25000/Unit	1	0.25000	1
16		Abadigaon	Goatery	Unit	0.25000/Unit	1	0.25000	1
17		Nowgaon	Goatery	Unit	0.25000/Unit	1	0.25000	1
18		Takabari	Goatery	Unit	0.25000/Unit	1	0.25000	1
19			Poultry	Unit	0.25000/Unit	1	0.25000	1
20	Bhandra	Bhandra No. 5	Goatery	Unit	0.25000/Unit	1	0.25000	1
21		Balrped	Goatery	Unit	0.25000/Unit	1	0.25000	1
22		Bhandra No. 1	Goatery	Unit	0.25000/Unit	1	0.25000	1



23		Bhandra No. 4	Goatery	Unit	0.25000/Unit	1	0.25000	1
24		Gosaigaon	Goatery	Unit	0.25000/Unit	1	0.25000	1
25	Goroimari	Jamdaha-III	Goatery	Unit	0.25000/Unit	1	0.25000	1
26		Bridhabashi	Goatery	Unit	0.25000/Unit	1	0.25000	1
27		Jamdaha-IV	Goatery	Unit	0.25000/Unit	1	0.25000	1
28		Jamdaha -VI	Goatery	Unit	0.25000/Unit	1	0.25000	1
29		Nasanguri-II	Goatery	Unit	0.25000/Unit	1	0.25000	1
30		Gerukabari	Goatery	Unit	0.25000/Unit	1	0.25000	1
31		Moutara	Goatery	Unit	0.25000/Unit	1	0.25000	1
32	Hapasora	Nasanguri	Goatery	Unit	0.25000/Unit	1	0.25000	1
			<b>Total for Manikpur Block</b>			<b>31</b>	<b>8.00000</b>	<b>31</b>

**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Micro Enterprise (Rs. In Lakhs)**

**Name of Block :- Manikpur**

Sl. No.	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	No. of Beneficiary
1	Newapara	Bhatipara	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
2	Manikpur	Barbila	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
3		Kahibari	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
4		Manikpur	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
5		Moukhowa	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
6		Nowpara-II	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
7		Dompara	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
8	Basbari Salabila	Basbari-I	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
9		Awlaguri	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
10		Salabila-I	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
11		Salabila-III	Chaff cutter	No.	0.20000/Unit	1	0.20000	1
12		Bechimari	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
13		Basbari-V	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
14		Basbari-IV	Fishery Pond	No.	0.24000/No.	1	0.24000	1
15		Basbari-VI	Fishery Pond	No.	0.24000/No.	1	0.24000	1
16		Basbari-II	Fishery Pond	No.	0.24000/No.	1	0.24000	1
17		Basbari-III	Fishery Pond	No.	0.24000/No.	1	0.24000	1
18	Jhowguri	Adlaguri	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
19		Abadigaon	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
20		Jhawbari	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
21		Nowgaon	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
22		Takabari	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
23			Termeric Cultivation	No.	0.12000/Unit	1	0.12000	1
24	Bhandra	Nagarjhar	Fishery Pond	No.	0.24000/No.	1	0.24000	1
25		Bhandra No. 2	Fishery Pond	No.	0.24000/No.	1	0.24000	1

26		Bhandra No. 3	Fishery Pond	No.	0.24000/No.	1	0.24000	1
27		Bhandra No. 1	Fishery Pond	No.	0.24000/No.	1	0.24000	1
28		Bhandra No. 4	Fishery Pond	No.	0.24000/No.	1	0.24000	1
29	Goroimari	Jamdaha-II	Fishery Pond	No.	0.24000/No.	1	0.24000	1
30		Jamdaha-III	Fishery Pond	No.	0.24000/No.	1	0.24000	1
31		Joraguri	Fishery Pond	No.	0.24000/No.	1	0.24000	1
32		Joraguri-III	Fishery Pond	No.	0.24000/No.	1	0.24000	1
33		Nichanguri	Fishery Pond	No.	0.24000/No.	1	0.24000	1
34		Nichanguri-II	Fishery Pond	No.	0.24000/No.	1	0.24000	1
35		Jamdaha-I	Fishery Pond	No.	0.24000/No.	1	0.24000	1
36		Monakacha	Fishery Pond	No.	0.24000/No.	1	0.24000	1
37		Jamdaha-V	Fishery Pond	No.	0.24000/No.	1	0.24000	1
38		Jamdaha-VI	Fishery Pond	No.	0.24000/No.	1	0.24000	1
39	Dangaigaon	Silghagiri	Fishery Pond	No.	0.24000/No.	1	0.24000	1
<b>Total for Manikpur Block</b>						<b>39</b>	<b>9.20000</b>	<b>39</b>

**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Watershed Dev. Works (Rs. In Lakhs)**

**Name of Block :- Srijangram**

Sl. No.	Name of MWS	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	Area Benefitted in Ha/No.	No. of Beneficiary
1	Moramanas	Golapara Banglapara	Golapara-IV	Agri Bund	Rm	0.00218/Rm	1000	2.18000	18	12
2			Golapara-II	Fishery Pond	Ha.	2.76000/Ha.	0.50	1.38000	0.5	4
3				Rep. of Fishery Pond	Ha.	0.50000/Ha.	1.00	0.50000	1	3
4				Afforestation Plantion (mint)	Ha.	0.07154/Ha	1.50	0.11000	1.5	3
5			Gonbinna	Drop spil way	M <sup>2</sup>	0.41700/M <sup>2</sup>	20.00	8.34000	70	48
6				Fishery Pond	Ha.	2.76000/Ha.	0.25	0.69000	0.25	5
7			Golapara-I	Afforestation Plantion (mint)	Ha.	0.07154/Ha	10.00	0.72000	10	10
8			Golapara-III West	Drop spil way	M <sup>2</sup>	0.41700/M <sup>2</sup>	19.00	7.92000	66	52
9			Golapara-III East	Boulder Spur	Rm	0.03150/Rm	400.00	12.60000	100	69
10				Land Dev./Land Reclamation	Ha.	0.12000/Ha.	5.00	0.60000	5	8
11			Banglapara	Afforestation Plantion (mint)	Ha.	0.07154/Ha	5.00	0.36000	5	5
12			<b>Sub total for Golapara Banglapara G.P.</b>					<b>35.40000</b>	<b>277.25</b>	<b>219</b>
13	Moramanas	Chakla	Numberpara Pt-I	Earthen bund	Rm	0.00218/Rm	1500.00	3.27000	27	22
14				Agri bund	Rm	0.00218/Rm	1500.00	3.27000	27	22
15				Afforestation Plantion (mint)	Ha.	0.07154/Ha	5.00	0.36000	5	5
16	Pokaloga		Chakala-II	Boulder Spur	Rm	0.03150/Rm	200.00	6.30000	51	38
17				Afforestation Plantion (mint)	Ha.	0.07154/Ha	7.00	0.50000	7	9
18			Soulmari	Land Dev./Land Reclamation	Ha.	0.12000/Ha.	15.00	1.80000	15	14
19				Afforestation Plantion (mint)	Ha.	0.07154/Ha	10.00	0.72000	10	12
20				Numberpara Pt-I	Land Dev./Land Reclamation	Ha.	0.12000/Ha.	25.00	3.00000	25

21				Afforestation Plantion (mint)	Ha.	0.07154/Ha	5.00	0.36000	5	5	
22			Numberpara Pt-II	Fishery Pond	Ha.	2.76000/Ha.	0.50	1.38000	0.5	4	
23				Afforestation Plantion (mint)	Ha.	0.07154/Ha	5.00	0.36000	5	5	
24			Chakla-I	Land Dev./Land Reclamation	Ha.	0.12000/Ha.	17.00	2.04000	17	12	
25	Kokila		Chakla-II	Agri Bund	Rm	0.00218/Rm	2000	4.36000	36	24	
26					Boulder pitching	M <sup>2</sup>	0.01665/M <sup>2</sup>	450.00	7.49000	63	52
27			Chakla-I	Reclamation of marchi land	M <sup>3</sup>	0.00143/M <sup>3</sup>	1203.00	1.72000	15	20	
28					Field Bund	Rm	0.00218/Rm	1509.00	3.29000	27	19
29					Fishery Pond	No.	1.18/Ha.	1	1.18000	6	6
30					Slab culvert	No.	0.85/No.	1	0.85000	7	5
<b>Sub total for Chakla G.P.</b>								<b>42.25000</b>	<b>348.5</b>	<b>257</b>	

31	Pokaloga	Balarchar Matraghola	Matraghola	Land Dev./Land Reclamation	Ha.	0.12000/Ha.	5.00	0.60000	5	8	
32				Balarchar-I	Land Dev./Land Reclamation	Ha.	0.12000/Ha.	10.00	1.20000	10	12
33				Balarchar-II	Drop spil way	M <sup>2</sup>	0.41700/M <sup>2</sup>	18.00	7.51000	65	48
34	<b>Sub total for Balarchar Matraghola G.P.</b>								<b>9.31000</b>	<b>80</b>	<b>28</b>

35											
36	Pokaloga	Kokila	Kokila-I	Land Dev./Land Reclamation	Ha.	0.12000/Ha.	2	0.24	2	4	
37				Kokila-II	Drop spil way	M <sup>2</sup>	0.41700/M <sup>2</sup>	19.00	7.92000	66	52
38	Kokila		Kokila Maspara	Perephery bund	Rm.	0.00218/Rm	1509.00	3.29000	27	19	
39					Boulder pitching	M <sup>2</sup>	0.01665/M <sup>2</sup>	450.00	7.49000	63	52
40				Kokila Uttarpara	Reclamation of marchi land	M <sup>3</sup>	0.00143/M <sup>3</sup>	1203.00	1.72000	15	20
41				Kokila Nayapara	Perephery bund	Rm.	0.00218/Rm	2000.00	4.36000	38	29
42				Kokila Dakshinpara	Fishery Pond	No.	1.18/Ha.	1	1.18000	6	6
43			Field Bund		Rm	0.00218/Rm	1509.00	3.29000	27	19	
44	<b>Sub total for Kokila G.P.</b>								<b>29.49000</b>	<b>244</b>	<b>151</b>

45	Nararvita Nala	Kacharipatti	Nararvita-I	Afforestation Plantion (mint)	Ha.	0.07154/Ha	5.00	0.36000	5	5
46				Slab Culvert	No.	0.85000/No.	1	0.85000	7	8
47				<b>Sub total for Kacharipatti G.P.</b>				<b>1.21000</b>	<b>12</b>	<b>13</b>
48	Nararvita Nala	Kirtanpara	Chailabari-II	Land Dev./Land Reclamation	Ha.	0.12000/Ha.	15.00	1.80000	15	18
49				Afforestation Plantion (mint)	Ha.	0.07154/Ha	2.00	0.14000	2	5
50				<b>Sub total for Kirtanpara G.P.</b>				<b>1.94000</b>	<b>17</b>	<b>23</b>
51	Kokila	Rangapani	Nararvita-III	Drop spil way	M <sup>2</sup>	0.41700/M <sup>2</sup>	15.00	6.26000	52	38
52				Land Dev./Land Reclamation	Ha.	0.12000/Ha.	10.00	1.20000	10	12
53				Afforestation Plantion (mint)	Ha.	0.07154/Ha	5.00	0.36000	5	5
54			Nararvita-II	Afforestation Plantion (mint)	Ha.	0.07154/Ha	5.00	0.36000	5	5
55			Nararvita-IV	Afforestation Plantion (mint)	Ha.	0.07154/Ha	7.00	0.50000	7	9
56				<b>Sub total for Rangapani G.P.</b>				<b>8.68000</b>	<b>79</b>	<b>69</b>
57	Kokila	Joepa	Bhuyapara	Community thresher plateform	No.	0.50000/No.	1	0.50000	1	4
58				<b>Sub total for Joepa G.P.</b>				<b>0.50000</b>	<b>1</b>	<b>4</b>
59	Uttar Salmara	Uttar Salmara	Uttar Salmara-I	Horticulture Plantation	Ha.	0.1.45/Ha.	0.65	0.94000	0.65	2
				<b>Sub total for Uttar Salmara G.P.</b>				<b>0.94000</b>	<b>0.65</b>	<b>2</b>
				<b>Grand total for Srijangram Block</b>				<b>129.72000</b>	<b>1059.4</b>	<b>766</b>

**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Livelihood Activities (Rs. In Lakhs)**

**Name of Block :- Srijangram**

Sl. No.	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	No. of Beneficiary
1	Chakla	Kokila Uttarpara	Dairy	Unit	0.25000/Unit	2	0.50000	2
2		Chakla-I	Bicycle Repeating	No.	0.25000/Unit	3	0.75000	3
3		Chakla-II	Handloom & Weaving	Unit	0.25000/Unit	4	1.00000	4
4		Numberpara	Dairy	Unit	0.25000/Unit	2	0.50000	2
5		Soulmari	Torza Making	Unit	0.25000/Unit	4	1.00000	4
6	Rangapani	Nororvita-I	Curpentry	Unit	0.24000/Unit	1	0.24000	1
7		Nororvita-II	Vermi Compost	No.	0.33333/Unit	1	0.33333	1
8		Nororvita-III	Met/Jut making	Unit	0.25000/Unit	2	0.50000	1
9		Nororvita-IV	Bicycle Repeating	No.	0.25000/Unit	3	0.75000	3
10	Golapara Banglapara	Golapara-IV	Handloom & Weaving	Unit	0.25000/Unit	4	1.00000	4
11		Golapara-I	Dairy	Unit	0.25000/Unit	2	0.50000	2
12		Golapara-II	Torza Making	Unit	0.25000/Unit	4	1.00000	4
13		Golapara-III West	Curpentry	Unit	0.24000/Unit	1	0.24000	1
14		Gonbinna	Vermi Compost	No.	0.23333/Unit	1	0.23333	1
15	Balarchar Matraghola	Matraghola	Met/Jut making	Unit	0.25000/Unit	2	0.50000	2
16		Balarchar-I	Torza Making	Unit	0.25000/Unit	2	0.50000	3
17		Balarchar-II	Dairy	Unit	0.25000/Unit	2	0.50000	2
18	Kokila	Kokila Maspara	Goatery	Unit	0.25000/Unit	2	0.50000	2
19		Kokila Nayapara	Goatery	Unit	0.25000/Unit	2	0.50000	2
20		Kokila Dakshinpara	Goatery	Unit	0.25000/Unit	2	0.50000	2
21	Kirtanpara	Sajalpara	Goatery	Unit	0.25000/Unit	2	0.50000	2
22		Kirtanpara-II	Goatery	Unit	0.25000/Unit	2	0.50000	2
23		Kirtanpara-I	Goatery	Unit	0.25000/Unit	2	0.50000	2
			<b>Grand total for Srijangram Block</b>				<b>13.04666</b>	<b>39</b>

**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Micro Enterprise (Rs. In Lakhs)**

**Name of Block :- Srijangram**

Sl. No.	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	No. of Beneficiary
1	Chakla	Kokila Uttarpara	Crop Demo Rice	Ha.	0.16000/Ha.	4	0.64000	4
2		Chakla-I	Crop demo Mustard	Ha.	0.12500/Ha.	4	0.50000	4
3		Chakla-II	Crop demo Veg.	Ha.	0.24750/Ha.	3	0.74250	5
4		Numberpara	Crop demo green gram black gram	Ha.	0.17500/Ha.	6	1.05000	6
5		Soulmari	Vermi compost	No.	0.23000/No.	3	0.69000	3
6	Rangapani	Nororvita-I	Composit pits	No.	0.02400/No.	10	0.24000	10
7		Nororvita-II	Planting of Horticulture plants.	Rm.	0.00020/Rm	8000	1.60000	4
8		Nororvita-III	Sprayer Plastic body	No.	0.01800/No.	11	0.19800	10
9		Nororvita-IV	5 HP diesel engin pump	No.	0.30000/No.	4	1.20000	4
10	Golapara Banglapara	Golapara-IV	5 HP diesel electric pump	No.	0.16500/No.	5	0.82500	5
11		Golapara-I	Goat rearing	Unit	0.25000/Unit	1	0.25000	1
13		Golapara-III West	Poultry rearing	Unit	0.25000/Unit	3	0.75000	3
14		Gonbinna	Artificial incemination	No.	0.05000/No.	2	0.10000	2
15	Balarchar Matraghola	Matraghola	Pisci culture	No.	0.13000/No.	5	0.65000	3
16		Balarchar-I	Beekeeping	Unit	0.20000/Unit	5	0.95000	5
17		Balarchar-II	Pisci culture	No.	0.13000/No.	5	0.65000	3
18	Joepa	Bhuyapara	Crop demo Rice	Ha.	0.16000/Ha.	4	0.64000	4
19	Uttar Salmara	Uttar Salmara-I	Crop demo Mustard	Ha.	0.12500/Ha.	4	0.50000	4
20	Kokila	Kokila Maspara	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
21			Chaff cutter	No.	0.20000/Unit	1	0.20000	1
22		Kokila Dakshinpara	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
23			Chaff cutter	No.	0.20000/Unit	1	0.20000	1
<b>Grand total for Srijangram Block</b>							<b>13.05550</b>	<b>89</b>



**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Watershed Dev. Works (Rs. In Lakhs)**

**Name of Block :- Tappartary**

Sl. No.	Name of MWS	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	Area Benefitted in Ha/No.	No. of Beneficiary
1		Rangapani	Nororvita	Agri bund	Rm	0.00218 Rm	1835	4.00000	33	27
2		Sontoshpur Dumenguri	Dumenguri	Agri bund	Rm	0.00218 Rm	1835	4.00000	33	27
3		Borjona	Borjona	Agri bund	Rm	0.00218 Rm	1376	3.00000	27	23
		Maleghar	Maleghar	Agri bund	Rm	0.00218 Rm	1376	3.00000	27	23
4		Lengtichinga	Parechar	Drop Spil Way (RCC)	M <sup>2</sup>	0.41700 M <sup>2</sup>	15 M <sup>2</sup>	6.25500	52	39
<b>Grand total of Tappartary Block</b>								<b>20.255</b>	<b>172</b>	<b>139</b>

**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Livelihood Activities (Rs. In Lakhs)**

**Name of Block :- Tappartary**

Sl. No.	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	No. of Beneficiary/SHG
1	Rangapani	Nororvita	Goatery	No.	0.25000/No.	1	0.25000	1
			Poultry	No.	0.25000/No.	1	0.25000	1
2	Sontoshpur Dumenguri	Dumenguri	Goatery	No.	0.25000/No.	1	0.25000	1
			Poultry	No.	0.25000/No.	1	0.25000	1
3	Borjona	Borjona	Goatery	No.	0.25000/No.	1	0.25000	1
			Poultry	No.	0.25000/No.	1	0.25000	1
4	Maleghar	Maleghar	Goatery	No.	0.25000/No.	1	0.25000	1
			Poultry	No.	0.25000/No.	1	0.25000	1
5	Lengtichinga	Parechar	Goatery	No.	0.25000/No.	1	0.25000	1
			Poultry	No.	0.25000/No.	1	0.25000	1
<b>Grand total of Tappartary Block</b>							<b>2.50000</b>	<b>10</b>

**Block wise & GP wise proposed action plan under PMKSY for the year 2016-17 of Bongaigaon District under Barpeta S.C. Division, Barpeta  
Micro Enterprise (Rs. In Lakhs)**

**Name of Block :- Tappartary**

Sl. No.	Name of G.P	Name of Village	Name of Activities	Unit/No.	Unit Cost	Physical Target	Financial Target	No. of Beneficiary
1	Rangapani	Nororvita	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
2			Poultry rearing	Unit	0.25000/Unit	1	0.25000	1
3	Sontoshpur Dumenguri	Dumenguri	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
4			Poultry rearing	Unit	0.25000/Unit	1	0.25000	1
5	Borjona	Borjona	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
6			Poultry rearing	Unit	0.25000/Unit	1	0.25000	1
7	Maleghar	Maleghar	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
8			Poultry rearing	Unit	0.25000/Unit	1	0.25000	1
9	Lengtichinga	Parechar	Assam Lemon	Ha.	0.24000/Unit	1	0.24000	1
10			Poultry rearing	Unit	0.25000/Unit	1	0.25000	1
<b>Grand total of Tappartary Block</b>							<b>2.45000</b>	<b>10</b>

# Agriculture Department

Sl. No.	Name of Block	Name of G.P.	Name of Village	Drip Irrigation			Estt. cost	Sprinkler Irrigation			Estt. Cost
				No. of beneficiary	Area in Ha.	Name of crops		No. of beneficiary	Area in Ha.	Name of crops	
1	Dangtol	Popragaon	Popragaon-I	-	-	-		5	3.5	Mustard	2.1
	Dangtol	Popragaon	Popragaon-II	-	-	-		6	3.5	Mustard	2.1
	Dangtol	Popragaon	Korebari	-	-	-		3	1.5	Mustard	0.9
	Dangtol	Popragaon	Chaprakata-II	-	-	-		3	3.0	Mustard	1.8
	Dangtol	Popragaon	Chaprakata-I	-	-	-		2	1.5	Mustard	0.9
	Dangtol	Popragaon	Nayapara-I	-	-	-		1	0.5	Mustard	0.3
	Dangtol	Atugaon	Atugaon	-	-	-		3	2.0	Do	1.2
	Dangtol	Atugaon	Majhigaon	-	-	-		3	3.0	Horticulture	1.8
	Dangtol	Atugaon	Nowagaon	-	-	-		2	2.0	Mustard/Horti	1.2
	Dangtol	Atugaon	Kachuagaon	-	-	-		3	3.0	Do	1.8
	Dangtol	Atugaon	Saonagaon	-	-	-		5	5.0	Do	2.9
	Dangtol	Dangtol	Tangaigaon	-	-	-		2	2.0	Mustard	1.2
	Dangtol	Dangtol	Tilpukhuri	-	-	-		1	1.0	Horticulture	0.6
	Dangtol	Mulagaon	Mulagaon Rabhapara	-	-	-		1	0.6	Do	0.4
	Dangtol	Mulagaon	Nogoriyagaon	-	-	-		1	1.0	Mustard	0.6
	Dangtol	Kakragaon	Pachim Bhadrugaon	-	-	-		9	3.0	Potato	1.8
	Dangtol	Kakragaon	Dabli	-	-	-		1	0.5	Potato,Brinjal Tomato	0.3
	Dangtol	Chokapara	Kamarpara Kathaguri	18	7.3	Assam lemon	4.3	1	1	Mustard,Potato	0.6
	Dangtol	Chokapara	Chokapara-II	1	0.7	-do-	0.4	-	-	-	
	Dangtol	Chokapara	Nigamghola	1	0.7	Orange		-	-	-	

	Dangtol	Chokapara	Kandulimari	3	1.3	Arecanut,Betelvine	0.8	-	-	-	
	Dangtol	Chokapara	Chokapara-II	9	4.3	-do-	2.5	-	-	-	
	Dangtol	Chokapara	Kamarpara Kathalguri	6	2.7	-do-	1.6	-	-	-	
	Dangtol	Chokapara	Chokapara-I					1	1	Mustard,Potato	0.6
	Dangtol	Chipansila	Chipansila-I	1	1.0	Horticulture	.06				
	Dangtol	Chipansila	Chipansila-II	2	2.0	Horticulture	1.2				
	Dangtol	Chipansila	Chipansila-III	3	2.0	Horticulture	1.2				
	Dangtol	Chipansila	Chipansila-IV	1	1	Horticulture	0.6				
	Dangtol	Chipansila	Kashibari	2	1.5	Horticulture	0.9				
	Dangtol	Chipansila	Kathalguri	2	2.0	Horticulture	1.2				
	Dangtol	Chipansila	Ghondol	3	3.0	Horticulture & Wheat	1.8				
	Dangtol	Chipansila	Kashidoba	2	1.5	Horticulture	0.9				
	Dangtol	Bidyapur	Bidyapur-I	-	-	-		1	2.0	Mustard, Potato, Veg.	1.2
	Dangtol	Bidyapur	Rosigaon					1	1.0	-	0.6
	Dangtol	Bidyapur	Fulkumari	1	1.0	Assam Lemon	0.6	-	-	-	
	Boitamari	Sankarghola	Bongaon	6	4.0	Arecanut & other fruits	2.3	-	-	-	
	Boitamari	Sankarghola	Sakomura	4	3.0	Arecanut & other	1.8	3	3.0	Mustard	1.8
	Boitamari	Sankarghola	Saragduar	4	4.0	Arecanut & other fruits	2.3				
	Boitamari	Chalantapara	Chalantapara -III	5	4.0	Arecanut/ Coconut	2.3	15	8.0	Mustard, Potato	4.7
	Boitamari	Chalantapara	Chalantapara-I	-	-	-		10	5.0	Mustard	2.9
	Boitamari	Oudubi	Oudubi-I	-	-	-		10	3.0	Mustard, Cabbage, Potato etc.	1.8
	Boitamari	Oudubi	Kheluapara-VII	-	-	-		10	3.0	Do	1.8
	Boitamari	Oudubi	Kheluapara-VI	-	-	-		12	3.0	Do	1.3

	Boitamari	Joghghopa	Koreya-II	-	-	-		26	13.0	Mustard	7.7
	Boitamari	Balapara	Kherpuji	22	15.0	Areca nut, Coconut, & others	8.8	-	-	-	
	Boitamari	Balapara	Doloni beel	-	-	-		14	10.0	Mustard	5.9
	Boitamari	Balapara	Beltoli	-	-	-		30	15.0	Mustard	8.8
	Boitamari	Kabaitari	Kabaitari-IV	-	-	-		12	6.0	Mustard	3.5
	Boitamari	Kabaitari	Kabaitari-III	-	-	-		9	4.0	Mustard, Pea, Maize	2.4
	Boitamari	Kabaitari	Kabaitari-I	-	-	-		10	5.0	Maize & Mustard	2.9
	Tapattari	Barjana	Arimara	-	-	-		20	8.0	Mustard, Potato	4.7
	Tapattari	Barjana	Choto Borjana	-	-	-		20	8.0	Do	4.7
	Tapattari	Barjana	Barjana-III	-	-	-		15	6.0	Do	3.5
	Tapattari	Barjana	Madusal	-	-	-		20	8.6	Do	5.5
	Tapattari	Piradhora	Piradhora-I	54	26.6	Potato, Brinjal, tomato	15.53	83	33.3	Mustard	19.6
	Tapattari	Piradhora	Piradhora-II	18	6.6	Brinjal	3.85	-	-	-	
	Tapattari	Piradhora	Tapattari	22	8.0	Chilli, Brinjal	4.7	-	-	-	
	Tapattari	Piradhora	New Piradhora	15	5.3	Brinjal	3.09	-	-	-	
	Tapattari	Piradhora	Behulapara	41	20.0	Potato, Brinjal	11.7	-	-	-	
	Tapattari	Piradhora	Piknapara	24	5.3	Brinjal	3.09	-	-	-	
	Tapattari	Piradhora	Lotibari-I	16	6.6	Brinjal, Chilli	3.85	-	-	-	
	Tapattari	Piradhora	Lotibari-II	22	10.6	Do	6.19	-	-	-	
	Tapattari	Piradhora	Lotibari-III	27	12.6	Do		-	-	-	
	Tapattari	Lengtisinga	Jharpara-I	27	12.3	Potato, Brinjal, Tomato		-	-	-	
	Tapattari	Lengtisinga	Jharpara-II	5	2.6	Chilli, Brinjal		-	-	-	
	Tapattari	Lengtisinga	Bhadiapara	31	15.6	Potato, Tomato, Brinjal, Chilli		115	40.0	Maize	23.6

	Tapattari	Lengtisinga	Dumuria-I	23	11.2	Potato, Brinjal, Chilli		79	33.3	Maize	19.6
	Tapattari	Lengtisinga	Janermukh	6	3.3	Chili		36	14.6	Mustard	8.6
	Tapattari	Lengtisinga	Parerchar-III	42	20.0	Potato, Brinjal		45	20.0	Mustard	11.8
	Tapattari	Lengtisinga	Rojai Pani Khowa Beel	34	14.6	Potato, Brinjal, Chilli		-	-	-	
	Tapattari	Lengtisinga	Lengtisinga	29	9.3	Chilli		-	-	-	
	Tapattari	Pachania Khoragaon	Bhokuamari-I	-	-	-		15	.6.0	Mustard	3.5
	Tapattari	Pachania Khoragaon	Bhokuamari-II	-	-	-		10	4.0	Mustard	2.4
	Tapattari	Pachania Khoragaon	Bechimari	-	-	-		17	10.0	Mustard	5.9
	Tapattari	Pachania Khoragaon	Khoragaon-II	-	-	-		10	4.0	Mustard	2.4
	Tapattari	Pachania Khoragaon	Khoragaon-III	-	-	-		12	4.8	Mustard	2.8
	Tapattari	Pachania Khoragaon	Kocharipara-II	-	-	-		1	3.3	Tea garden	1.9
	Tapattari	Pachania Khoragaon	Pachania-I	-	-	-		10	4.0	Mustard	2.4
	Tapattari	Pachania Khoragaon	Kabaitari-II	-	-	-		10	4.6	Mustard	2.7
	Tapattari	Mererchar	Kushbari-I	-	-	-		25	10.0	Mustard	5.9
	Tapattari	Mererchar	Kushbari-II	-	-	-		20	8.0	Mustard, Potato	4.7
	Tapattari	Mererchar	Kushbari-III	-	-	-		26	10.0	Mustard	5.9
	Tapattari	Mererchar	Mererchar	-	-	-		20	8.0	Potato, Mustard	4.7
	Tapattari	Mererchar	Dubachari-I East	-	-	-		21	7.0	Mustard	4.1
	Tapattari	Mererchar	Dubachari-I North	-	-	-		22	6.0	Mustard, Chilli	3.5
	Tapattari	Mererchar	Dubachari-I South	-	-	-		25	8.0	Mustard	4.7
	Tapattari	Mererchar	Dubachari-II	-	-	-		24	7.0	Mustard	4.1

	Tapattari	Mererchar	Sikatari-I	-	-	-		35	12.0	Mustard	7.1
	Tapattari	Mererchar	Sikatari-II	-	-	-		15	5.0	Mustard	2.9
	Tapattari	Malegarh	Malegarh-I,III	-	-	-		20	5.0	Mustard	2.9
	Tapattari	Malegarh	Malegarh-IV	-	-	-		25	6.0	Mustard, Potato	3.5
	Tapattari	Malegarh	Malegarh Pahar	-	-	-		30	6.0	Mustard	3.5
	Tapattari	Malegarh	Malegarh-II	-	-	-		32	5.0	Mustard Potato	2.9
	Tapattari	Malegarh	Tinkonia-I	-	-	-		35	4.0	Mustard, Chilli	2.4
	Tapattari	Malegarh	Tinkonia-II	-	-	-		40	7.0	Do	4.1
	Tapattari	Malegarh	Tinkonia-III	-	-	-		25	5.0	Mustard	2.9
	Tapattari	Malegarh	6 No. Char	-	-	-		30	4.0	Mustard, Chilli	2.4
	Tapattari	Malegarh	5 No. Char	-	-	-		25	4.0	Mustard, Chilli	2.4
	Tapattari	Nasatra Baghikhaty	Nasatra South	-	-	-		40	5.0	Mustard, Chilli	2.9
	Tapattari	Nasatra Baghikhaty	Nasatra North	-	-	-		30	4.0	Mustard	2.4
	Tapattari	Nasatra Baghikhaty	Balargudam	-	-	-		25	5.0	Mustard	2.9
	Tapattari	Nasatra Baghikhaty	Bharalipara-II	-	-	-		30	5.0	Mustard	2.9
	Tapattari	Nasatra Baghikhaty	Bharalipara-I	-	-	-		40	4.0	Mustard	2.4
	Tapattari	Nasatra Baghikhaty	Baghikhati	-	-	-		40	4.0	Mustard, Chilli	2.4
	Tapattari	Nasatra Baghikhaty	Nasatra West	-	-	-		35	5.0	Mustard	2.9
	Tapattari	Nasatra Baghikhaty	Pakhakata South	-	-	-		55	6.0	Mustard	3.5
	Tapattari	Nasatra Baghikhaty	Pakhakata North	-	-	-		50	6.0	Mustard	3.5
	Tapattari	Nasatra Baghikhaty	Nasatra East	-	-	-		45	6.0	Mustard	3.5
	Tapattari	Santashpur	Santashpur-I	-	-	-		35	6.0	Mustard, Chilli	3.5

		Dumerguri									
	Tapattari	Santashpur Dumerguri	Santashpur-II	-	-	-		40	5.0	Mustard, Chilli	2.9
	Tapattari	Santashpur Dumerguri	Santashpur-III	-	-	-		50	7.0	Mustard, Chilli	4.1
	Tapattari	Santashpur Dumerguri	Dumerguri-I	-	-	-		55	7.0	Mustard, Chilli	4.1
	Tapattari	Santashpur Dumerguri	Dumerguri-II	-	-	-		50	6.0	Mustard, Chilli	3.5
	Tapattari	Santashpur Dumerguri	Dumerguri-III	-	-	-		40	7.0	Mustard, Chilli	4.1
	Tapattari	Borigaon	Bamungaon-II	-	-	-		20	6.6	Mustard	3.9
	Tapattari	Borigaon	Borigaon	-	-	-		230	66.6	Maize	39.2
	Tapattari	Borigaon	Khudra Narikola	-	-	-		70	20.0	Maize	11.8
	Tapattari	Borigaon	Parerchar-I	-	-	-		35	10.0	Mustard	5.9
	Tapattari	Borigaon	Parerchar-II	-	-	-		240	72.0	Maize, Mustard	42.4
	Tapattari	Borigaon	Ravapara	-	-	-		30	10.0	Mustard	5.9
	Tapattari	Borigaon	Dumuria-II	-	-	-		218	60.0	Maize, Mustard	35.3
	Tapattari	Borigaon	Dumuria-III	-	-	-		135	33.3	Maize	19.6
	Tapattari	Kalbari	Amguri-I	-	-	-		150	66.6	Mustard	39.2
	Tapattari	Kalbari	Amguri-II	-	-	-		78	53.3	Mustard	31.4
	Tapattari	Kalbari	Batabari	5	2.6	Lemon					
	Tapattari	Kalbari	Bawalimari	-	-	-		25	10.0	Mustard	5.9
	Tapattari	Kalbari	Haripur	-	-	-		50	27.3	Mustard	15.1
	Tapattari	Kalbari	Lalmati	-	-	-		25	9.3	Mustard	5.5
	Tapattari	Kalbari	Lalmati Grazing	-	-	-		32	33.3	Mustard	19.6
	Srijangram	Chakrabhum	Charipunia-II	4	5.0	Banana, Arecanut, Coconut, Pineapple, Orange		10	11.0	Mustard, Wheat	6.5



	Srijangram	Chakrabhum	Darkinamari	-	-	-		4	5.0	Mustard, Wheat	2.9
	Srijangram	Chakrabhum	Sanakhuli-II	2	3.0	Banana, Arecanut, Coconut, Pineapple, Orange		4	4.0	Mustard, Wheat	2.4
	Srijangram	Chakrabhum	Huramara-I	2	2.0	Banana, Arecanut, Coconut, Pineapple, Orange		3	4.0	Mustard, Wheat	2.4
	Srijangram	Chakrabhum	Huramara-II	4	4.0	Banana, Arecanut, Coconut, Pineapple, Orange		4	4.0	Mustard, Wheat	2.4
	Srijangram	Chakrabhum	Sankhuli-I	3	2.0	Banana, Arecanut, Coconut, Pineapple, Orange		7	6.0	Mustard, Wheat	3.5
	Srijangram	Chakrabhum	Chakrabhum	4	2.0	Banana, Arecanut, Coconut, Pineapple, Orange		5	7.0	Mustard, Wheat	4.1
	Srijangram	Chakrabhum	Pakhriguri	2	2.0	Banana, Arecanut, Coconut,		6	7.0	Mustard, Wheat	4.1
	Srijangram	Chakrabhum	Charipunia-I	2	2.0	Banana, Arecanut, Coconut, Pineapple, Orange		7	6.0	Mustard, Wheat	3.5
	Srijangram	Golapara Banglapara	Golapara-I	-	-	-		10	10.6	Bitter guard, Mustard	6.2
	Srijangram	Golapara Banglapara	Golapara-III (w)	-	-	-		20	20.0	Mustard, Tomato, Potato	11.8
	Srijangram	Golapara Banglapara	Golapara-III (e)	-	-	-		30	33.3	Mustard, Bitter guard	19.6
	Srijangram	Golapara Banglapara	Gonnabinna	3	3.2	Banana, Arecanut		10	13.3	Mustard	7.8
	Srijangram	Golapara Banglapara	Banglapara	-	-	-		20	26.6	Mustard, Potato, Tomato	15.7
	Srijangram	Kacharipety	Tupkachar	-	-	-		30	26.6	Mustard, Potato, Bitter gaurd	15.7
	Srijangram	Kacharipety	Haldibari-II	-	-	-		40	33.3	Mustard,	19.6

										Potato, Wheat, Tomato	
	Srijangram	Kacharipety	Topgao-I	-	-	-		10	6.6	Mustard, Wheat, Potato	3.9
	Srijangram	Kacharipety	Topgao-II	-	-	-		10	8.0	Mustard, Potato, Tomato	4.7
	Srijangram	Kacharipety	Kacharipety-II	-	-	-		40	26.6	Mustard, Tomato, Potato	15.7
	Srijangram	Kacharipety	Kacharipety-III	-	-	-		45	34.6	Wheat, Mustard	20.4
	Srijangram	Joepa	Joepa	-	-	-		50	20.0	Potato, Tomato	11.8
	Srijangram	Joepa	Boraisala	-	-	-		125	50.0	Mustard, Potato, Tomato, Wheat	29.5
	Srijangram	Joepa	Kalikura-I	-	-	-		100	40.0	Tomato, Potato, Wheat	23.6
	Srijangram	Joepa	Mulbari	-	-	-		70	28.0	Tomato, Potato, Wheat	16.5
	Srijangram	Joepa	Bhuyapara	-	-	-		125	16.6	Banana, Potato, Tomato	9.8
	Srijangram	Joepa	Harichar-I	-	-	-		60	8.0	Banana, Potato	4.7
	Srijangram	Joepa	Harichar-II	-	-	-		65	8.6	Tomato, Potato	5.1
	Srijangram	Balachar Matragola	Matragola-I	-	-	-		12	4.0	Mustard, Radish	2.4
	Srijangram	Balachar Matragola	Matragola-II	-	-	-		10	6.6	Mustard, Cabbage	3.9
	Srijangram	Namberpara Chakla	Namberpara-III	10	2.0	Banana		100	33.3	Mustard, Potato, Veg.	19.6
	Srijangram	Namberpara Chakla	Namberpara-II	-	-	-		20	13.3	Mustard, Potato, Veg.	7.8
	Srijangram	Namberpara Chakla	Namberpara-I	-	-	-		75	16.6	Mustard, Potato, Veg.	9.8

	Srijangram	Namberpara Chakla	Soulmari	-	-	-		45	10.6	Mustard, Potato, Veg.	6.2
	Srijangram	Namberpara Chakla	Chakla-I	-	-	-		30	10.0	Mustard, Potato, Veg.	5.9
	Srijangram	Namberpara Chakla	Chakla-II	-	-	-		50	16.6	Mustard, Potato, Veg.	9.8
	Srijangram	Namberpara Chakla	Kokila Uttar Para	-	-	-		30	10.0	Mustard, Potato, Veg.	5.9
	Srijangram	Kokila	Kokila-I	-	-	-		47	18.6	Mustard, Potato, Veg.	11.0
	Srijangram	Kokila	Kokila-II	-	-	-		67	26.6	Mustard, Potato, Veg.	15.7
	Srijangram	Kokila	Kokila Moullobipara	-	-	-		52	20.0	Mustard, Potato, Veg.	11.8
	Srijangram	Kokila	kokila Noyapara	-	-	-		55	21.3	Mustard, Potato, Veg.	12.5
	Srijangram	Kokila	Kokila Majpara	-	-	-		70	26.0	Mustard, Potato, Veg.	15.3
	Srijangram	Kokila	Kokila Doksinpara	-	-	-		30	10.6	Mustard, Potato, Veg.	6.2
	Srijangram	Rangapani	Nararvita II	-	-	-		52	10.6	Mustard Potato	6.2
	Srijangram	Rangapani	Nararvita-III	-	-	-		70	17.3	Veg. , Maize	10.2
	Srijangram	Rangapani	Nararvita-Iv	-	-	-		60	14.6	Veg. , Maize	8.6
	Srijangram	Rangapani	Rangapani	-	-	-		25	8.0	Veg. , Maize	4.7
	Srijangram	Rangapani	Shimlabari-I	-	-	-		80	18.6	Veg. , Maize	11.0
	Srijangram	Rangapani	Shimlabari-II	-	-	-		90	20.0	Veg. , Maize	11.8
	Srijangram	Rangapani	Shimlabari-I (W)	-	-	-		80	18.6	Veg. , Maize	11.0
	Srijangram	Rangapani	Dhalagocha	-	-	-		30	10.0	Veg. , Maize	5.9
	Srijangram	Rangapani	Garumara-II	-	-	-		80	18.6	Veg. , Maize	11.0
	Srijangram	Rangapani	Garumara-I	-	-	-		80	20.0	Veg. , Maize	11.8
	Srijangram	Kirtonpara	Sajalpara	-	-	-		100	26.67	Mustard, Potato, Veg. Maize	15.7

	Srijangram	Kirtonpara	Kirtonpara-I	-	-	-		80	21.3	Mustard, Potato, Veg. Maize	12.5
	srijangram	Kirtonpara	Holdibari-I	-	-	-		40	10.0	Mustard, Potato, Veg. Maize	5.9
	srijangram	Kirtonpara	Tilpukhuri	-	-	-		70	17.3	Mustard, Potato, Veg. Maize	10.2
	srijangram	Kirtonpara	Balarchar-I	-	-	-		75	18.67	Mustard, Potato, Veg. Maize	11.0
	srijangram	Kirtonpara	Chailabari-I	-	-	-		75	18.67	Mustard, Potato, Veg. Maize	11.0
	srijangram	Kirtonpara	Chailabari-II	-	-	-		50	12.0	Mustard, Potato, Veg. Maize	7.1
	srijangram	Kirtonpara	Kirtonpara-II	-	-	-		300	61.6	Mustard, Potato, Veg. Maize	36.3
	srijangram	Kirtonpara	Deotari	-	-	-		100	20.0	Mustard, Potato, Veg. Maize	11.8
	srijangram	Kakoijana	Kakoijana-I	-	-	-		-	-	-	
	srijangram	Kakoijana	Simlaguri	-	-	-		-	-	-	
	srijangram	Kakoijana	Kuchiakata	-	-	-		-	-	-	
	srijangram	Kakoijana	Balajani	-	-	-		-	-	-	
	srijangram	Kakoijana	Koimari	-	-	-		-	-	-	
	srijangram	Kakoijana	Dewanpara	-	-	-		-	-	-	
	srijangram	Kakoijana	Thakurani khorapara	-	-	-		-	-	-	
	srijangram	Kakoijana	Nayapara	-	-	-		-	-	-	
	srijangram	Kakoijana	Tulungia-I	-	-	-		-	-	-	

	srijangram	Kakoijana	Tulungia-II	-	-	-	-	-	-	-	
	srijangram	Ambari Baregarh	Ambari	-	-	-	150	40.0	Maize	23.6	
	srijangram	Ambari Baregarh	Baregarh	-	-	-	45	13.3	Maize	7.8	
	srijangram	Ambari Baregarh	Choto Baregarh	-	-	-	65	16.0	Mustard	9.4	
	srijangram	Ambari Baregarh	Nodialpara	-	-	-	80	24.0	Mustard	14.1	
	srijangram	Ambari Baregarh	Tilapara	-	-	-	145	33.3	Maize	19.6	
	Srijangram	Ambari Baregarh	Telipra	-	-	-	30	6.6	Mustard	3.9	
	Srijangram	Ambari Baregarh	Ujanpara	-	-	-	45	16.0	Mustard	9.4	
	Manikpur	Palengbari	No.1 Palengbari				5	1.4	Assam lemon	0.8	
	Manikpur	Palengbari	No.2 Palengbari				7	1.9	Assam lemon	1.1	
	Manikpur	Palengbari	Ujandubi				1	0.3	Assam lemon	0.2	
	Manikpur	Palengbari	No.3 Patkata				2	0.5	Assam lemon	0.3	
	Manikpur	Alukhunda	No.2 Kawadi				2	0.8	Assam lemon	0.5	
	Manikpur	Nowapara	Salmara				1	0.4	Thailand Bogori	0.2	
	Manikpur	Nowapara	Lungjhar				1	0.3	Do	0.2	
	Manikpur	Patiladoha	Patiladoha				1	0.3	Assam lemon	0.2	
	Manikpur	Patiladoha	Patiladoha Daspara				1	0.3	Assam lemon	0.2	
	Manikpur	Bashbari Salabila	1 No. Bashbari	3	1.19	Bogori, Litchi, Lemon	1	1	Mustard	0.6	
	Manikpur	Bashbari Salabila	5 No. Bashbari	1	1	Bogori, Litchi, Orange					
	Manikpur	Dangaigaon	Gosaigaon	1	0.53	Bogori					

## ABSTRACT COST OF BLOCK IRRIGATION PLAN UNDER AGRICULTURE DEPARTMENT

<b>District:-</b>	<b>BONGAIGAON</b>					
<b>Block:-</b>	<b>BOITAMARI</b>					
<b>SL.NO.</b>	<b>COMPONENTS</b>	<b>ACTIVITIS</b>	<b>NOS OF WORK</b>	<b>COMMAND AREA ( IN HACT )</b>	<b>PERIOD</b>	<b>ESTIMATED AMOUNT ( IN LAKH)</b>
1	PER DROP MORE CROP (SUPPLEMENTARY WATER MANAGEMENT ACTIVITIES)	CONSTRUCTION/ INSTALLATION OF STW (Shallow Tube Well)	1440	2887	5 TO 7 YEARS	720
2	HAR KHET KO PANI	WATER HARVESTING STRUCTURE (Tank)	72	369.6	5 TO 7 YEARS	385.92
3	HAR KHET KO PANI	CONSTRUCTION/ INSTALLATION OF LIFT IRRIGATION SCHEME	23	562	5 TO 7 YEARS	28.359
4	HAR KHET KO PANI	CONSTRUCTION OF EARTHEN IRRIGATION & DRAINAGE CANAL	15505	853	5 TO 7 YEARS	89.929
<b>TOTAL</b>				<b>4671.6</b>		<b>1224.208</b>

## ABSTRACT COST OF BLOCK IRRIGATION PLAN UNDER AGRICULTURE DEPARTMENT

<b>District:-</b>	<b>BONGAIGAON</b>					
<b>Block:-</b>	<b>DANGTOL</b>					
<b>SL.NO.</b>	<b>COMPONENTS</b>	<b>ACTIVITIS</b>	<b>NOS OF WORK</b>	<b>COMMAND AREA ( IN HACT )</b>	<b>PERIOD</b>	<b>ESTIMATED AMOUNT ( IN LAKH)</b>
1	PER DROP MORE CROP (SUPPLEMENTARY WATER MANAGEMENT ACTIVITIES)	CONSTRUCTION/ INSTALLATION OF STW (Shallow Tube Well)	2248	5451	5 TO 7 YEARS	1124
2	HAR KHET KO PANI	WATER HARVESTING STRUCTURE (Tank)	44	372	5 TO 7 YEARS	235.84
3	HAR KHET KO PANI	CONSTRUCTION/ INSTALLATION OF LIFT IRRIGATION SCHEME	19	225	5 TO 7 YEARS	23.43
4	HAR KHET KO PANI	CONSTRUCTION OF EARTHEN IRRIGATION & DRAINAGE CANAL	18600	495	5 TO 7 YEARS	107.88
			<b>TOTAL=</b>	<b>6543</b>		<b>1491.15</b>

## ABSTRACT COST OF BLOCK IRRIGATION PLAN UNDER AGRICULTURE DEPARTMENT

<b>District:-</b>	<b>BONGAIGAON</b>					
<b>Block:-</b>	<b>MANIKPUR</b>					
<b>SL.NO.</b>	<b>COMPONENTS</b>	<b>ACTIVITIS</b>	<b>NOS OF WORK</b>	<b>COMMAND AREA ( IN HACT )</b>	<b>PERIOD</b>	<b>ESTIMATED AMOUNT ( IN LAKH)</b>
1	PER DROP MORE CROP (SUPPLEMENTARY WATER MANAGEMENT ACTIVITIES)	CONSTRUCTION/ INSTALLATION OF STW (Shallow Tube Well)	2289	9489	5 TO 7 YEARS	1144.5
2	HAR KHET KO PANI	WATER HARVESTING STRUCTURE (Tank)	29	212	5 TO 7 YEARS	155.44
3	HAR KHET KO PANI	CONSTRUCTION/ INSTALLATION OF LIFT IRRIGATION SCHEME	17	222	5 TO 7 YEARS	20.96
4	HAR KHET KO PANI	CONSTRUCTION OF EARTHEN IRRIGATION & DRAINAGE CANAL	1700	51	5 TO 7 YEARS	9.86
			<b>TOTAL</b>	<b>9974</b>		<b>1330.76</b>



## ABSTRACT COST OF BLOCK IRRIGATION PLAN UNDER AGRICULTURE DEPARTMENT

<b>District:-</b>	<b>BONGAIGAON</b>					
<b>Block:-</b>	<b>SRIJANGRAM</b>					
<b>SL.NO.</b>	<b>COMPONENTS</b>	<b>ACTIVITIS</b>	<b>NOS OF WORK</b>	<b>COMMAND AREA ( IN HACT )</b>	<b>PERIOD</b>	<b>ESTIMATED AMOUNT ( IN LAKH)</b>
1	PER DROP MORE CROP (SUPPLEMENTARY WATER MANAGEMENT ACTIVITIES)	CONSTRUCTION/ INSTALLATION OF STW (Shallow Tube Well)	5149	11206.4	5 TO 7 YEARS	2574.5
2	HAR KHET KO PANI	WATER HARVESTING STRUCTURE (Tank)	385	1522	5 TO 7 YEARS	2063.6
3	HAR KHET KO PANI	CONSTRUCTION/ INSTALLATION OF LIFT IRRIGATION SCHEME	123	578	5 TO 7 YEARS	151.66
4	HAR KHET KO PANI	CONSTRUCTION OF EARTHEN IRRIGATION & DRAINAGE CANAL	37600	2610	5 TO 7 YEARS	218.08
			<b>TOTAL</b>	<b>15916.4</b>		<b>5007.84</b>

## ABSTRACT COST OF BLOCK IRRIGATION PLAN UNDER AGRICULTURE DEPARTMENT

<b>District:-</b>	<b>BONGAIGAON</b>					
<b>Block:-</b>	<b>TAPATTARY</b>					
<b>SL.NO.</b>	<b>COMPONENTS</b>	<b>ACTIVITIS</b>	<b>NOS OF WORK</b>	<b>COMMAND AREA ( IN HACT )</b>	<b>PERIOD</b>	<b>ESTIMATED AMOUNT ( IN LAKH)</b>
1	PER DROP MORE CROP (SUPPLEMENTARY WATER MANAGEMENT ACTIVITIES)	CONSTRUCTION/ INSTALLATION OF STW (Shallow Tube Well)	2899	7729.76	5 TO 7 YEARS	1449.5
2	HAR KHET KO PANI	WATER HARVESTING STRUCTURE (Tank)	305	2193	5 TO 7 YEARS	1634.8
3	HAR KHET KO PANI	CONSTRUCTION/ INSTALLATION OF LIFT IRRIGATION SCHEME	62	506	5 TO 7 YEARS	76.44
4	HAR KHET KO PANI	CONSTRUCTION OF EARTHEN IRRIGATION & DRAINAGE CANAL	27000	1964	5 TO 7 YEARS	156.6
			<b>TOTAL</b>	<b>12392.76</b>		<b>3317.34</b>

## Details of village G.P. wise of Dangtol block (Agriculture Department)

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=-

Chaprakata

Name of District:=-

Bongaigaon

Name of Block:-

Dangtol

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exist ing (nos )	Prop osed (nos)	Ar ea	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Leng th
1	Chaprak ata-I	48	6	9	30		10		1										
2	Chaprak ata-II	145	29	19	38		40		5					9			1		300 mtr
3	Chaprak ata-III	21	3	4	8														
4	Chitkaga on	36	9	18	36		12		1		19		1						
5	Nayapar a-I	54	5	12	24		20		2										
6	Nayapar a-II	22	2	5	10		9		1										
7	Hirapara	20	4	6	12														
8	Rabhapa ra	25	3	6	12									9			1		300 mtr
9	Birjhorap ara																		

		Total= 431		T= 79 Nos	T- 17 0		T= 91		T= 10 Nos		T= 19		T= 1		T= 18		T=2 Nos		600 mtr
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Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=

Popragaon

Name of District:=

Bongaigaon

Name of Block:-

Dangtol

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)					Lift irrigation					Earthen Canal /Bund				
		Area in Ha	Existing (nos)	Proposed (nos)	Area	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Length		
1	Popragaon-I	144	28	44	88						16		1								
2	Popragaon-II	155	22	48	90		25	1	2												
3	Korebari	119	16	39	78		9		1												
		Total= 418		T= 131 Nos	T- 25 6		T-34	T-1	T-3		T= 16 Ha		T-1								

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=-

Name of Block:-

Chiponsila

Dangtol

Name of District:=-

Bongaigaon

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)									Earthen Canal /Bund			
		Area in Ha	Exist ing (nos )	Prop osed (nos)	Ar ea	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Leng th
1	Chiponch ila-I	40	4	20															
2	Chiponch ila-II	85	3	25											20		1		1 KM
3	Chiponch ila-III	40	3	20															
4	Chiponch ila-IV	20		10															

5	Kashibari	60	4	25											25		1		1.5 KM
6	Kathalgu ri	40	2	20															
7	Ghandal	50	2	25															
8	Kashidob a	50	1	25															
9	Chiponch ila HILL Block																		
		Total= 385 ha		T=17 0 nos											T-45		T=2		T- 2.5 KM

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=-

Name of Block:-

Atugaon

Dangtol

Name of District:=-

Bongaigaon

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund			
		Area in Ha	Exist ing (nos )	Prop osed (nos)	Ar ea Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t

1	Atugaon	80	8	40														
2	Saonagon	70	12	30														
3	Nowagon	80	10	30														
4	Mamugan	50	7	20														
5	Kachuagan	90	8	35														
6	Majigaoban	46	8	18														
		Total=346	T=53 Nos	T=173 nos														

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=-

Mulagaon

Name of District:=-

Bongaigaon

Name of Block:-

Dangtol

S L	Name of Village	STW	Water Harvesting Structure ( Tank)	Lift irrigation	Earthen Canal /Bund
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No		Area in Ha	Exist ing (nos )	Prop osed (nos)	Ar ea Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Leng th
1	Totpara Nagariag aon	50	5	20														
2	Rabhapa ra	26	3	10														
3	Mulagao n-I	50	7	20														
4	Mulagao n-II	50	6	20														
5	Chennap ara	30	5	10														
6	Barshang aon-I	50	6	20														
7	Barshang aon-II	50	6	20														
8	Dossima para	40	5	15														
9	Jelkajhar -I	50	5	20														
10	Jelkajhar -II	50	6	20														
		Total= 350 ha	T=5 4 Nos	T =175 nos														



Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=-

Name of Block:-

Chokapara

Dangtol

Name of District:=-

Bongaigaon

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)									Earthen Canal /Bund			
		Area in Ha	Exist ing (nos )	Prop osed (nos)	Ar ea	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Leng th
1	Majgaon -I	150	5	70											200		1		1 KM
2	Majgaon -II	360	10	20															
3	Nigomgh ola						50	1							150		1		1 KM
4	Kanduli mari	200	8	12															
5	Chokapa ra-II	720	15	40			150	2											
6	Chokapa ra-II	444	12	20			75	1											
7	Kamargu ri Kathalgu ri	516	18	25															

	Total= 319 ha	T = 124 nos		T=37 Hac	T=4 Nos						T=47 Hac	T=2 Nos	T- 2KM
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Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=

Name of Block:-

Bongaigaon

Dangtol

Name of District:=

Bongaigaon

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)					Lift irrigation					Earthen Canal /Bund				
		Area in Ha	Existing (nos)	Proposed (nos)	Area	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Length		
1	Bakhara para	87		20	40																
2	Jhakuapara-II	46		25	50					40		4		50		1			1 KM		
3	Jhakuapara-II	60		7	14																
4	Betbari	96		35	70		50		5		100		10								

5	Mechpara	91	15	30														
6	Bhatipara-I	90	20	40									80		1		2 KM	
7	Bhatipara-II	91	35	70									80		1		2 KM	
8	Ulubari	80	15	30														
9	Bhakarivita	60	20	40														
10	Bakhrapara-I	40	10	20		10		1										
11	Bakhrapara-II	60	6	12														
12	Dewripara-I	30	10	20														
13	Dewripara-II	30	10	20														
14	Jogipara	80	15	30														
		Total= 941 ha	T = 243 nos	T= 486		T=60		T=6		T=140		T-14		T=210		T=3		T-5KM

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=-

Tilokgaon

Name of District:=-

Bongaigaon

Name of Block:-

Dangtol

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exist ing (nos )	Prop osed (nos)	Ar ea	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Leng th
1	Naytama ra	100	25	30															
2	Barsara	60	10	20															
3	Banglam ari	100	20	40															
		Total= 260 ha		T = 90 nos															

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=-

Dhaligaon

Name of Block:-

Dangtol

Name of District:=-

Bongaigaon

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)								Earthen Canal /Bund				
		Area in Ha	Exist ing (nos )	Prop osed (nos)	Ar ea	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Leng th
1	Dhaligao n	80	5	40															
2	Barpatha r	60	6	30															
3	Chounga pata	20	1	10															
		Total= 160 ha		T = 80 nos															

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=-

Dolaigaon

Name of District:=-

Bongaigaon

Name of Block:-

Dangtol

S L	Name of Village	STW	Water Harvesting Structure ( Tank)	Lift irrigation	Earthen Canal /Bund
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No		Area in Ha	Exist	Prop	Area	Amount	Area in Ha	Exist	Prop	Amount	Area in Ha	Exist	Prop	Amount	Area in Ha	Exist	Prop	Amount	Length
			(nos)	(nos)				(nos)	(nos)			(nos)	(nos)			(nos)	(nos)		
1	Dolaigao n	50	3	25															
2	Khariza Dolaigao n	50	3	25															

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of

Name of Block:-

GP:=Bidyapur

Dangtol

Name of District:=

Bongaigaon

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)					Lift irrigation					Earthen Canal /Bund				
		Area in Ha	Exist (nos)	Prop (nos)	Area	Amount	Area in Ha	Exist (nos)	Prop (nos)	Amount	Area in Ha	Exist (nos)	Prop (nos)	Amount	Area in Ha	Exist (nos)	Prop (nos)	Amount	Length		
1	Bidyapur	218	15	65			20		2		15		1								
2	Noldoba	110	10	45			10		1												
3	Fulkumari	151	8	67																	

4	Durgama ari	136	16	52											25		2		135 0 mtr
5	Chengm ari	98	6	43			20		2		15		1						
6	Bhitor Chengm ari	81	5	35			10		1		20		1						
7	Rosigaon	55	6	21			10		1										
		Total= 849 ha		T=32 8 nos			T=70		T=7		T=50		T=3		T=25		T=2		135 0 mtr

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of  
GP:=Chikibiki  
Name of District:=  
Bongaigaon

Name of Block:-  
Dangtol

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)								Earthen Canal /Bund				Leng th
		Area in Ha	Exist ing (nos )	Prop osed (nos)	Ar ea	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	
1	Chikibiki	231	30	85			40		5						30		5		170 0 mtr

2	Nachanguri	160	20	60			10	2						20	2		800
3	Takuamari	124	15	47			15	2						35	5		1850
4	Hollaguri	86	10	33			15	2						25	3		1500
		T=601		T=229			T=80	T=11						T=110	T=15		5850mtr

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of  
GP:=Dangtol  
Name of District:=  
Bongaigaon

Name of Block:-  
Dangotol

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)						Lift irrigation					Earthen Canal /Bund				
		Area in Ha	Exist ing (nos )	Prop osed (nos)	Ar ea	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Leng th			
1	Dholapukhuri	26	3	10																		
2	Tengaigaon	130	15	50																		
3	Tilpukhuri	170	3	25																		



		Total= 376	T=2 5 nos	T=17 0 nos															
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Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of  
GP:=Bamunitila  
Name of District:=  
Bongaigaon

Name of Block:-  
Dangtol

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund					
		Area in Ha	Exist ing (nos )	Prop osed (nos)	Ar ea Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Len gth	
1	Ghakpara	80	34	10					13		2								
2	Lingdoba	57	21	11		10		1											
3	Bhandarani	58	24	10															
4	Bamunitila-I	30	5	10															
5	Bamunitila-II	32	7	10															
6	Bamunitila-III	30	5	10															
7	Nankargaon	30	6	10															

8	Bahira Chengmari	46	13	11														
9		50	9	18														
		Total=413 ha		T=100 nos														

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of  
GP:=North  
Boitamari  
Name of District:=  
Bongaigaon

Name of Block:-  
Dangtol

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exist ing (nos )	Prop osed (nos)	Ar ea	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Leng th
1	Dholaga on-I Ujanpara	26	3	10															
2	Dholaga on-II Majpara	26	3	10															
3	Dholaga on-III Bhatipar a	36	4	15			6		1										

4	Dewangan Sutradhara-4	28	4	10														
5	Dewangan -5	38	5	15									40		1			1300 mtr
6	Bashbari -I Subhaspara	26	3	10														
7	Bashbari -I Nayapara	20	1	10														
8	Bashbari -I Gauripara	26	3	10														
9	Bashbari -II Deklimari	28	4	10														
10	Bashbari -II Ulupara	30	5	10														
		Total= 284 ha		T=11 0 nos									T-40 Hac		T- Hac			1300 mtr

## Details of village G.P. wise of Srijangram block (Agriculture Department)

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=-

Chakrabhum

Name of District:=-

Bongaigaon

Name of Block:-

Srijangram

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Existi ng (nos)	Propo sed (nos)	Area in Ha	Am oun t	Area in Ha	Exis ting (nos )	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Lengt h
1	Charipunia-I	106	5	80			25		5		15		4		80		2		900 mtr
2	Charipunia-II	128	13	115			20		4		5		1		45		1		650
3	Darkinamari	90	8	80			18		3		16		4						
4	Sonaikhol-II	99	6	82			15		2						50		1		850
5	Huramara-I	74	4	60			20		3		5		1		70		1		1000
6	Huramara-II	106	7	70			18		3		20		4						
7	Sonaikhol-I	138	10	100			6		1		5		1		85		1		1200
8	Chokrobhum	118	3	95			10		2						55		1		750
9	Pakhiriguri	100	9	80			12		2		10		2						

		Total= 959	T=6 5 Nos	T=762 Nos			T=144	T=25 Nos		T=76	T=17 Nos		T=385	T=7 Nos		T=6250
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Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=-

Kakoijana

Name of District:=-

Bongaigaon

Name of Block:-

Srijangram

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Propo sed (nos)	Area in Ha	Am oun t	Area in Ha	Exis ting (nos )	Propo sed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Propo sed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Propo sed (nos )	Am oun t	Len gth
1	Kakoijan a-l	183	20	163			42		8		15		4		75		2		900 mtr
2	Simlagu ri Pareyap ara	20		20			15		2		8		2		40		1		750
3	Kuchiak ata	133		133			12		2		8		2		45		1		800
4	Balajani Checha paai	90	2	88							10		2		40		1		650

5	Kaimari Laharpara	120	5	115			20	3		8	2		40	1		850
6	Fouzdar Dewanpara	195	8	187			18	3		12	3					
7	Thakurani Khorapara	115	3	112			20	3		8	2		50	1		900
8	Nayapara	125	5	120			10	2		8	2					
9	Tulungia-I	60		60			10	2		10	2		50	1		800
10	Tulungia-II	66	2	64						10	2		45	1		750
		Total=1107	T=45 Nos	T=1062 Nos			T=147 Ha	T=25		T=97	T=23		T=385 Ha	T=9		T=6400 mtr

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=-

Deohati

Name of District:=-

Bongaigaon

Name of Block:-

Srijangram

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund			
		Area in Ha	Exis ting (nos)	Propo sed (nos)	Area in Ha	Am oun t	Area in Ha	Exis ting (nos)	Propo sed (nos)	Am oun t	Area in Ha	Exis ting (nos)	Propo sed (nos)	Am oun t	Area in Ha	Exis ting (nos)	Propo sed (nos)	Am oun t

1	Kerkhab ari-I	50	15	35		10	2	2		10		2		75		2		850 mtr
2	Kerkhab ari-II	45	10	35		18	5	3		5		1		50		1		750
3	Singima ri-II	50	12	38		15	3	3		4		1		45		1		650
4	Singima ri-I E	40	10	30		12	4	2		4		1		85		2		950
5	Singima ri-I W	42	10	32		20	4	5		4		1		55		1		750
6	Chotaki	70	15	55		10	2	2		10		2		60		1		800
7	Deohati (South)	40	9	31		10	1	2		10		2		90		2		1200
8	Deohati (north)	33	8	25		8	1	2		5		1		45		1		800
9	Deohati -II	20	5	15		8	2	1		10		2		50		1		1200
10	Deohati -II	10	4	6		6				4		1		95		2		
		Total=40 0 ha	T=98	T=302 nos		T=11 7	T=28	T=22		T=66		T=14		T=65 0		T=14		T=86 00 mtr

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

Name of GP:=  
Srijangram  
Name of District:=  
Bongaigaon

Name of Block:-  
Srijangram

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Propo sed (nos)	Area in Ha	Amoun t	Area in Ha	Exist ing (nos )	Propo sed (nos)	Amoun t	Area in Ha	Exis ting (no s)	Propo sed (nos)	Amoun t	Area in Ha	Exis ting (no s)	Propo sed (nos )	Amoun t	Len gth
1	Balarpet N	65	3	45			10		2		4		1		60		2		850 mtr
2	Balarpet S	75	5	50			12		2		5		1		80		3		950
3	Amguri	10	1	7			6		1		6		1						
4	Soster	7		4			6		1		6		1						
5	Khamrp ara-I	55	4	30			12		2		7		1		45		1		550
6	Khamrp ara-II	48	2	23			13		2		8		1		40		1		550
7	Tentonp ara	42	3	20			7		1		7		1		45		1		600
8	Kahibari I+II	95	12	55			25		4		6		1		75		2		900
9	Borghol a-I	35	2	20			6		1		5		1		40		1		550
10	Borghol a-II	60	3	30			16		2		8		1		80		2		950
11	Chillapa ra-I	38	2	18			15		2		7		1		40		1		500
12	Chillapa ra-II	28	3	21			15		2		6		1		45		1		650



		Total=498	T=40 Nos	T=323 nos			T=143	T=22 Nos		T=75		T=12		T=545	T=15 Nos		T=7050mtr
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Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:= North salmara  
Name of District:= Bongaigaon

Name of Block:- Srijangram

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Existing (nos)	Proposed (nos)	Area in Ha	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Length
1	North Salmara -I	52	12	34			35		7		8		2		70		2		1000 mtr
2	North Salmara -II	55	7	42			40	2	8		8	1	2		60		2		900
3	North Salmara -III	45	6	25			45	2	7		10		2		80		3		950
4	North Salmara -IV	25	2	12			30	3	5		5		1		60		2		850
5	North Salmara -V	35	4	10			28	2	4		10		2		95		3		1200

6	Bakhalgaon-I	51	5	28			12	1	2		10	1	2		55		2		1000
7	Bakhalgaon-II	72	7	35			30	3	5		12	1	2		90		3		1200
8	Amtola	65	6	37			45	4	8		14		2		65		2		1000
9	Ghankushra	19	2	7			10		2		6		1		70		2		1200
		Total=419 ha	T=50 Nos	T=230 nos			T=275	T=17 Nos	T=52 Nos		T=83	T=3	T=26		T=645		T=23 Nos		T=9300 mtr

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=-

Jopea

Name of District:=-

Bongaigaon

Name of Block:-

Srijangram

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis- ting (nos)	Propo- sed (nos)	Area in Ha	Am- oun- t	Area in Ha	Exis- ting (nos)	Propo- sed (nos)	Am- oun- t	Area in Ha	Exis- ting (nos)	Propo- sed (nos)	Am- oun- t	Area in Ha	Exis- ting (nos)	Propo- sed (nos)	Am- oun- t	Lengt h
1	Jopea	56	5	20					3								2		

2	Boraisal a	113	9	37				4							3		
3	Moinap ara	125	10	40				5							3		
4	Kalikura -I	77	5	25				3							2		
5	Kalikura -II	108	6	36				4							2		
6	Mulbari	115	7	38				4							3		
7	Madras apara	154	12	50				6							5		
8	Bogula mari	48	5	18				3							2		
9	Bhuyan para	84	8	30				3							2		
10	Horirch ar-I	95	6	32				4							3		
11	Horirch ar-II	72	7	25				3							2		
		Total= 1047 ha		T=351 nos			T=37 Hac	T=42							T=29 Nos		

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:= Golapara  
Banglapara  
Name of District:=  
Bongaigaon

Name of Block:-  
Srijangram

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)					Lift irrigation				Earthen Canal /Bund			
		Area in Ha	Existi ng (nos)	Propo sed (nos)	Area in Ha	Are a	Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gt h
1	Golapar a-I	94	6	30				3								2			
2	Golapar a-II	150	10	50				5											
3	Golapar a-III W	136	12	45				4								2			
4	Golapar a-III E	200	10	70				6								3			
5	Golapar a-IV	160	12	55				5			2								
6	Gonbinn a	100	5	40				4								2			
7	Banglap ara	120	9	38				5								3			
		Total= 960 ha		T = 328 nos				T=32				T-2				T=12			

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:-  
Kacharipety

Name of Block:-  
Srijangram

Name of District:=  
Bongaigaon

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Existi ng (nos)	Propo sed (nos)	Area in Ha	Am oun t	Area in Ha	Exist ing (nos )	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Len gt h
1	Tupkach ar	104	8	35				4								3			
2	Haldibar i-II	155	10	50				6								2			
3	Topgao n-I	109	9	37				5								2			
4	Topgao n-II	60	3	20				3								2			
5	Nararvit a-I	168	10	56				7								4			
6	Kachari epety-I	955	7	31				3								3			
7	Kachari epety-II	155	10	51				7								4			
8	Kachari epety-III	165	12	65				7								5			

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:= Balarchar

Name of Block:-

Motroghola

Srijangram

Name of District:=

Bongaigaon

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Existi ng (nos)	Propo sed (nos)	Area in Ha	Am oun t	Area in Ha	Exis ting (nos )	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Len gt h
1	Balarchar	77	6	25				5											
2	Balarchar-II	94	7	32				5				2				1			
3	Balarchar-III	51	6	20				4				1				1			
4	Motroghola-I	264	13	80				8				2				2			
5	Motroghola-II	65	7	22				4				1				2			
6	Pub Jopea	89	8	32				5				2				2			

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP: =

Kokila

Name of District: =

Bongaigaon

Name of Block: -

Srijangram

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Existi ng (nos)	Propo sed (nos)	Area in Ha	Am oun t	Area in Ha	Exis ting (nos )	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t	Len gt h
1	Kokila-I	97.5	25	45				2				1							
2	Kokila-II	172	35	55				4				1							
3	Kokila Moulali para	112	25	45				3											
4	Kokila Noyapar a	103	20	45				3											
5	Kokila Maspar a	168	25	50				5											
6	Kokila Dakshim para	65.9	20	35				2											

		T=718.4 0		T=273				T=19				T=2							
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Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of  
GP:=Kirtanpara  
Name of District:=  
Bongaigaon

Name of Block:-  
Srijangram

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis- ting (nos)	Propo- sed (nos)	Area in Ha	Am- oun- t	Area in Ha	Exis- ting (nos)	Propo- sed (nos)	Am- oun- t	Area in Ha	Exis- ting (nos)	Propo- sed (nos)	Am- oun- t	Area in Ha	Exis- ting (nos)	Propo- sed (nos)	Am- oun- t	Len- gth
1	Sajalpara	105	12	30				3											
2	Kirtanpara-I	80	15	30				4											
3	Haldibari-I	111	15	30				2				1				2			



4	Tilpukhuri	83,5	16	25					2				1					
5	Bvalarchar-I	55	7	25					4									
6	Chailabari-I	69	12	35					2							1		
7	Chailabari-II	57	15	25					2				1					
8	Kirtanpara-II (ward-7,8,9)	145	22	75					10									
9	Deotari	88	22	40					4				1					
		Total=793.50 ha		T=310 nos					T=33				T=4					T=3

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of  
GP:=Namberpara, Chakla  
Name of District:=  
Bongaigaon

Name of Block:-  
Srijangram

S L	STW	Water Harvesting Structure ( Tank)	Lift irrigation	Earthen Canal /Bund
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No	Name of Village	Area in Ha	Existing (nos)	Proposed (nos)	Area in Ha	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Length	
1	Namber para-III	221	25	80					4				3							
2	Namber para-II	137	35	65					2				2				1			
3	Namber para-I	140.5	45	55					3				2				2			
4	Soulmari	48	6	25					2				2				1			
5	Chakla-I	139.5	26	55					2											
6	Chakla-II	141	20	75					2				1							
7	Kokila Uttarpara	34.5	7	20					2								1			

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=Ambari  
Baregarh

Name of Block:-  
Srijangram

Name of District:=  
Bongaigaon

S L N o	Name of Village	STW					Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund			
		Area in Ha	Existi ng (nos)	Propo sed (nos)	Area in Ha	Am oun t	Area in Ha	Exist ing (nos )	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos )	Am oun t
1	Ambari	220	20	60				5								1		
2	Baregar h	124	256	62				4		190 Bigha		5				1		
3	Choto Baregar h	130	16	15				3										
4	Nodialp ara	180	23	40				5		200		5				1		
5	Tilapara	130	24	65				5		190		5				1		
6	Teliapar a	50	18	25				3										
7	Ujanpar a	40	22	20				2										
		Total=66 2	T=14 8 nos	T=287 nos				T=27		T=580 Bigha		T=15 Nos				T=4 Nos		

## Details of village G.P. wise of Tapattary block (Agriculture Department)

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=

Borigaon

Name of District:=

Bongaigaon

Name of Block:-

Tapattary

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Propo sed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Leng th
1	Bamunga on-I	44	2	22			5				1					1		
2	Bamunga on-II	60	3	30			4				1					1		
3	Borigaon	90	12	45			8				2							
4	Khudra Narikola	50	5	25			7				2					1		
5	Parerchar -I	40	12	20			5				2							
6	Parerchar -II	96	22	48			15				4					1		
7	Ravapara	30	5	15			3				1							
8	Dumuria- II	82	7	41			12				3					1		
9	Dumuria- III	82	7	26			5				2							

		T=544	T=75 Nos	T= 272 Nos			T=64			T= 18 Nos			T=5 Nos		
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Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of Block:-  
Tapattary

Name of GP:= Kalbari  
Name of District:=  
Bongaigaon

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Propo sed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Propo sed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Propo sed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Propo sed (nos)	Am oun t	Len gth
1	Amguri-I	156	10	28			7		180 Bigha							2		
2	Amguri-II	150	12	25			5				1							
3	Bhompar a	140	3	20			3				2							
4	Batabari	142	5	62			4				2							
5	Bawalima ri	130	7	45			3				2							

6	Duramari	36	12	18				5				2					
7	Haripur	80	15	40				4				2					
8	Kalbari	42	10	21`				3				2					
9	Lalmati	30	8	15				2				2					
10	Lalmati Ganeshguri	160	21	30				5				2					
11	Naldoba	28	6	14				4				2					
		Total= 1094		T= 318 Nos				T=45				T=19					T=2 Nos

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of Block:-

Tapattary

Name of GP:= Barjana

Name of District:=

Bongaigaon

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Propo sed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Leng th
1	Arimara	190	20	25			2											
2	Choto Barjana	220	15	20			3											

3	Barjana-III	140	15	25				4										
4	Barjana-I	220	16	30				3										
5	Barjana-II	120	16	20				2										
6	Modhufal	110	9	15				2										
		Total=98 0 ha		T=13 5 nos				T=16										

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:= Pachania  
Khoragaon  
Name of District:=-  
Bongaigaon

Name of Block:-  
Tapattary

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Propo sed (nos)	Amoun t	Area in Ha	Exis ting (nos)	Propo sed (nos)	Amoun t	Area in Ha	Exis ting (nos)	Propo sed (nos)	Amoun t	Area in Ha	Exis ting (nos)	Propo sed (nos)	Amoun t	Leng th
1	Bhakuam ari-I	24	6	12		10		2										
2	Bhakuam ari-II	20	5	10		15		3										
3	Bechimari	30	12	15														
4	Khoragon -I	24	5	12		15		3										

5	Khoragon -II	22	8	11		10	3										
6	Khoragon -III	30	10	15		10	3										
7	Kacharipa ra-I	34	12	17		15	3										
8	Kacharipa ra-II	14	5	7		12	3										
9	Mohonpu r-I	20	7	10		8	2										
10	Mohonpu r-II	40	12	20		10	2										
11	Pachania- I	34	12	17		10	2										
12	Pachania- II	50	15	25		15	3										
13	Pachania Pahar	54	16	27		18	4										
14	Uttar Khoragao n-I	24	5	12		20	5										
15	Uttar Khoragao n-II	30	8	15		15	3										
16	Majpara	24	6	12		10	2										
17	Kabaitari- II	34	8	17		2	10										
		Total= 508	T=14 4 Nos	T=25 4 nos		T=19 5	T=53 Nos										



Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=

Piradhora

Name of District:=

Bongaigaon

Name of Block:-

Tapattary

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Length				
1	Piradhora -I	1227	29	52		2 bigha	7			500 Bigha		3		300 Bigha		2		
2	Piradhora -II	412	9	17		2	2									2		
3	Tapattary	616	11	30		2	3									3		
4	New Piradhora	305	7	13		2	2									2		
5	Behulapara	896	25	34		2	4			200		2				3		
6	Pinkapara	446	9	20		2	3									2		
7	Lotibari-I	848	21	35		2	4			150		2				3		
8	Lotibari-II	1198	35	45		2	6			400		3		200		2		
9	Lotibari-III	1132	24	51		2	6			400		3		200		2		
		Total= 7080 Bigha	T=170	T=297 nos		T-74 Bigha	T=74 Nos			T=1650 Bigha		T=13		700 Bigha		T=23 Nos		

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=

Lengtisinha

Name of District:=

Bongaigaon

Name of Block:-

Tapattary

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Propo sed (nos)	Amoun t	Area in Ha	Exis ting (nos)	Propo sed (nos)	Amoun t	Area in Ha	Exis ting (nos)	Propo sed (nos)	Amoun t	Area in Ha	Exis ting (nos)	Propo sed (nos)	Amoun t	Leng th
1	Jharpara-I	793 Bigha	22	30		2 Bigha		5		200 Bigha		1						
2	Jharpara-II	491	8	24		2		1										
3	Bhadaipara	736	18	31		2		4						250 Bigha				
4	Dumuriah-I	562	15	22		2		3		250		1		150				
5	Janermukh	359	8	15		2		1		150		1						
6	Parerchar-III	668	13	31		2		2										

7	Rojaipani Kawa Bill	577	12	26		2	2		200		1						
8	Lengtising a	315	6	15		2	1										
		T=600 Hac	T- 102 Nos	T=19 4 nos		T=38 Bigha	T=19 Nos		T-106 Hac		T=4 Nos			T-400 Bigha			

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:= Sontoshpur  
Dumerguri  
Name of District:=  
Bongaigaon

Name of Block:-  
Tapattary

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis- ting (nos)	Propo- sed (nos)	Are- a	Area in Ha	Exis- ting (no- s)	Propo- sed (nos)	Am- oun- t	Area in Ha	Exis- ting (no- s)	Propo- sed (nos)	Am- oun- t	Area in Ha	Exis- ting (no- s)	Propo- sed (nos)	Am- oun- t	Leng- th
1	Sontoshpur-I	70	15	37		150 Bigha		2						800 Bigha		1		2 Km
2	Sontoshpur-II	80	16	44		200		4						750		2		4
3	Sontoshpur-III	75	15	41		150		2						750		2		4

4	Dumergur i-I	85	18	45		200		3										
5	Dumergur i-II	90	15	52		150		2					600		1			1
6	Dumergur i-III	80	18	42		200		3										
		Total= 480 ha	T=97 Nos	T = 261 nos		1050 Bigha		T=16					2900 Bigha		T=6			T=1 1 Km

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:= Nasatra  
Baghekhati  
Name of District:=  
Bongaigaon

Name of Block:-  
Tapattary

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Propo sed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Propo sed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Propo sed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Propo sed (nos)	Am oun t	Leng th
1	Nasatra South	82	10	51		200 Bigha		3						600 Bigha		1		1 KM

2	Nasatra North	70	12	40		150	2										
3	Balargudam	40	15	15		200	2										
4	Bharalipara-II	55	16	25		200	2					1000		1		2	
5	Bharalipara-I	60	18	27		200	2										
6	Baghekhati	62	20	26		250	3										
7	Nasatra West	50	15	22		250	2					7000		1		1	
8	Pakhakata South	77	20	37		200	2										
9	Pakhakata North	35	20	6		150	1										
10	Nasatra East	60	20	25		200	2										
		T=531	T=166	T=274 Nos		2000 Bigha	T=21 Nos					8600 Bigha		T-4 Nos		T-4Km	

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=

Melegarh

Name of District:=

Bongaigaon

Name of Block:-

Tapattary

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Propo sed (nos)	Amoun t	Area in Ha	Exis ting (no s)	Propo sed (nos)	Amoun t	Area in Ha	Exis ting (no s)	Propo sed (nos)	Amoun t	Area in Ha	Exis ting (no s)	Propo sed (nos)	Amoun t	Leng th
1	Malegarh-I	35	10	16		250 Bigha		3						700 Bigha		1		1 KM
2	Malegarh-II	40	15	15		200		2										
3	Malegarh-III	50	20	17		250		3										
4	Malegarh Pahar	60	25	20		200		2						650		1		1 KM
5	Tinkonia-I	70	30	22		150		2		4 Hac		1		700		1		1 KM
6	Tinkonia-II	60	25	20		150		2						650		1		1 KM
7	Tinkonia-III	65	20	28		200		2										
8	6 No Char	60	25	20		200		2										
9	5 No Char	40	20	10		150		2										
		T=480 Hac	T- 190 Nos	T=16 8 Nos		T- 233 Hac		T-20		T- 4 Hac		T-1		T-360 Hac		T-4 Nos		T-\$ KM

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=-

Mererchar

Name of District:=-

Bongaigaon

Name of Block:-

Tapattary

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Existi ng (nos)	Propo sed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Leng th
1	Kushbari-I	55	15	40														
2	Kushbari-II	53	18	35														
3	Kushbari-III	67	17	50										700 Bigha		1		2 KM
4	Mererchar	37	12	25														
5	Dubachuri-I East	65	15	50														
6	Dubachuri-I North	58	13	45														
7	Dubachuri-I South	60	18	42														
8	Sikatary-I	53	15	38										800		50		3 KM

9	Sikatary-II	30	10	20													
10	Dubachuri-II	59	13	46									800		3		2 KM
		T=537 Hac	T-146 Nos	T=391 Nos									2300 Bigha		T=6 Nos		T=7 KM

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=

Rangapani

Name of District:=

Bongaigaon

Name of Block:-

Tapattary

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund			
		Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Length			
1	Nararvita-II	79.5	25	20			2				2				1		
2	Nararvita-III	175.6	55	30			3				1				1		
3	Nararvita-IV	74.2	20	25			2				1				1		
4	Shimlabar i-I W	140.5	20	15			2								1		



5	Shimlabar i-I E	127	25	35				3							1		
6	Shimlabar i-II	60.3	7	40				3							1		
7	Ghoramar a-I	79.7	30	20				2							1		
8	Ghoramar a-II	178.8	35	30				3			1				1		
9	Dholagos a	32	10	10				1			1						
10	Rangapan i	84	35	10				1			1						
		T=1031.6 Hac		T=33 5				T=22			T=7				T-6		

## Details of village G.P. wise of Manikpur block (Agriculture Department)

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=

Palengbari

Name of District:=

Bongaigaon

Name of Block:-

Manikpur

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gth
1	No.1 Palengb ari	86	16	14		28	2			12		1		14				
2	No.2 Palengb ari	84	15	12		24	2			14		1		16				
3	Ujandub i	74	16	13		26	2			16								
4	No.1 Patakata	68	12	13		26	2			18								
5	NO.2Pat akata	146	30	25		50	2			16		1		20				
6	No.3 Patakata	39	7	8		16	1			9								

		Total= 497		T= 85 Nos		T= 170		T= 11 Nos		T= 85		T= 3		T= 50				
--	--	------------	--	-----------	--	--------	--	-----------	--	-------	--	------	--	-------	--	--	--	--

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=  
Patiladoha  
Name of District:=  
Bongaigaon

Name of Block:-  
Manikpur

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Length
1	Patiladoha	114	25	32		64												
2	Boripara	80	22	18		36												
3	Kurshamari	128	38	20		4						1		12				
4	Bashbari	102	27	24		48												
		Total= 424		T= 94 Nos		T=152 Ha								T= 12 Ha				

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=  
Alukhunda  
Name of District:=  
Bongaigaon

Name of Block:-  
Manikpur

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gth
1	Kushlaig uri	150	45	30		60												
2	No.1 Kawadi	132	29	18		36					1		18					
3	No.2 Kawadi (Sonaiko la)	150	35	20		40		4		24		1		16				
4	Deotari	162	46	26		52						1		18				
		Total=5 94 ha		T=94 nos		T=18 8 Ha						T=3 nos		T=52 Ha				

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=  
Nowapara  
Name of District:=  
Bongaigaon

Name of Block:-  
Manikpur

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gth
1	No.1 Dhupuri	83	18	12		24		1		8		1		15				
2	No.2 Dhupuri	97	22	15		30		1		9		1		14				
3	Lungijha r	156	28	35		70		2		14		1		16				
4	Salmara	101	18	20		40		2		12		1		13				
5	Barbakh ra	143	27	30		60		2		15		1		14				
6	No.2 Suparigu ri	107	23	20		40		1		8		1		13				
7	Garoleti	38	12	7		14												
		Total= 725		T=13 9 nos		T=27 8 ha		T=9 nos		T=66 nos		T=6 nos		T= 85 nos				

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=

Manikpur

Name of District:=

Bongaigaon

Name of Block:-

Manikpur

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gth
1	Manikpu r	306	20	50														
2	Borbila	212	15	50														
3	Mowkho wa	129	10	40														
4	Kahibari	269	15	50														
5	Dompar a	233	40	40														
		Total= 1149 ha		T =230 nos														

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:= Bashbari  
Salabila  
Name of District:=  
Bongaigaon

Name of Block:-  
Manikpur

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gth
1	Bashbari -1	127	23	30														
2	Bashbari -2	92	15	25														
3	Bashbari -3	80	10	15														
4	Bashbari -4	123	20	30														
5	Bashbari -5	90	12	25														
6	Bashbari -6	65	8	15														
7	Bashbari -7	130	15	30														
8	Aolaguri	132	16	30														

9	Bechima ri	131	15	25														
		Total= 970 ha		T = 225 nos														

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=

Jhawbari

Name of District:=

Bongaigaon

Name of Block:-

Manikpur

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gth
1	Abadi	205	16	60														
2	Nowaga on	369	50	80														
3	Jhawbari	157	12	45														
4	Takabari	283	15	70														



5	Adlaguri	303	18	60														
		Total= 1317 ha		T = 315 nos														

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=-

Nowapara

Name of District:=-

Bongaigaon

Name of Block:-

Manikpur

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gth
1	Bhatipar a	210	15	50														

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=

Hapachara

Name of District:=

Bongaigaon

Name of Block:-

Manikpur

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gth
1	Dankina mari	94 ha	42	12														
2	Hapacha ra	117	14	28														
3	Bardhup	20	2	5														
4	No.1 Garugao n	74	23	14														

5	No.2 Garugao n	101	19	28													
6	No.3 Garugao n	16	1	4													
7	No.3 Nachang uri	87	40	10	8	1											
8	No 2 Jaraguri	92	14	25													
9	No 3 Jaraguri	45	12	10													
10	No 1 Bridhab ari	22	1	4													
11	No 2 Bridhab ari	64	19	11													
12	No 1 Chakrasi la	19	0	6													
13	No 2 Chakrasi la	70	27	8													

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=Baghmara  
 Chouraguri  
 Name of District:=  
 Bongaigaon

Name of Block:-  
 Manikpur

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gth
1	Chowraguri	94	41	12														
2	Daukijhar	115	32	25														
		Total= 209 ha		T=37 nos														

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of  
GP:=Goraimari  
Name of District:=  
Bongaigaon

Name of Block:-  
Manikpur

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gth
1	Goraima ri	157	35	38														
2	No.1 Goraima ri	89	21	20														
3	No.2 Goraima ri	48	5	15														
4	Monako sha	121	32	22														

5	No.1 Jaraguri	24	16	5														
6	Moutara	71	7	20														
7	Gerukabari	171	31	42		8		1										
		Total=681 ha		T=162 nos														

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=Bhandara  
Name of District:= Bongaigaon

Name of Block:- Manikpur

Eleka = Kumargaon  
ADO Circle = Patiladoha

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Length
1	No. 1 Bhandara	136	19	50														

2	No. 4 Bhandar a	84	14	40													
3	No. 6 Bhandar a	68	8	30													
4	No. 3 Jamdaha	85	10	35													
5	No. 4 Jamdaha	42	5	15													
6	No. 5 Jamdaha	56	6	20													
7	No. 6 Jamdaha	69	12	25		8		1									
		Total=5 40 ha	T=74 nos	T=21 5 nos													
1	No.1 Jamdaha	60	8	22													
2	No.2 Jamdaha	215	24	62													

Total=8  
15      T=10  
6 nos    T=299 nos

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of  
GP:=Bhandara  
Name of District:=  
Bongaigaon

Name of Block:-  
Manikpur

Eleka =  
Nowapara  
ADO Circle =  
Patiladoha

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gth
1	No.2 Bhandar a	46	10	15					13		2							
2	No.3 Bhandar a	81	14	30		10		1										
3	No.5 Bhandar a	72	8	30														
		Total=1 99 ha		T=75 nos														



Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of  
GP:=Dangaigaon  
Name of District:=  
Bongaigaon

Name of Block:-  
Manikpur

Eleka =  
Nowapara  
ADO Circle =  
Patiladoha

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gth
1	Silghagri	124	15	50														
2	Nagarjhar	76	10	26														
3	Gossaigaon	135	18	50		6	1											
		Total=3 35 ha		T=12 6 nos														

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=Nowapara  
 Name of District:=  
 Bongaigaon

Name of Block:-  
 Manikpur

Eleka =  
 Nowapara  
 ADO Circle =  
 Patiladoha

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Length
1	No.1 Nowapara	188	24	70														
2	No.1 Nowapara	98	16	35					10		1							
		Total= 286 ha		T=105 nos														

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-

16

Name of GP:=Bashbari  
 Salabila  
 Name of District:=  
 Bongaigaon

Name of Block:-  
 Manikpur

Eleka =  
 Nowapara  
 ADO Circle =  
 Patiladoha

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Canal /Bund				
		Area in Ha	Exis ting (nos)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Area in Ha	Exis ting (no s)	Prop osed (nos)	Am oun t	Len gth
1	No.1 Salabila	73	12	28														
2	No.2 Salabila	78	13	25														
3	No.3 Salabila	106	18	35														
		Total=2 57 ha		T= 88 nos														

## Details of village G.P. wise of Boitamari block (Agriculture Department)

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee  
Yojana (PMKSY)-2015-16

Name of GP:=-

Khagarpur

Name of District:=-

Bongaigaon

Name of Block:-

Boitamari

S L N o	Name of Village	Water Harvesting Structure (												Earthen Irrigation & Drainage Canal				
		STW			Tank)			Lift irrigation						/Bund				
		Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Rema rks
1	Baripukhuri Pt-1	50		25		0.8		2										
2	Kharboja	20		10														
3	Khagarpur Pt-111	30		15														
4	Khagarpur Pt-iv	20		10		2.4		1										
5	Khagarpur Pt-V	20		10														
6	Khagarpur Pt-VI	30		15														
7	Khagarpur Pt-VII	40		20		0.93		2										
8	Khagarpur Pt-Viii	30		15		0.4		1										

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee  
Yojana (PMKSY)-2015-16

Name of GP:= Pachim  
Majer Alga  
Name of District:=  
Bongaigaon

Name of Block:-  
Boitamari

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Irrigation & Drainage Canal /Bund				
		Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Rema rks
1	Jhawkura Pt-1	30		15		3 B		3										
2	Jhawkura Pt-ii	40		20		3 B		3										
3	Kheluapara Pt-1	20		10		1 B		2										
4	Kheluapara Pt-iii	10		5														
5	Bhairab Pahar NC	20		10		1 B		2										
6	Khorchimar i	24		12		2 B		4										
7	Uchurunga r Char Pt- iii	16		8														

8	Kharchimar i NC	20		10		2 B	2											
		Total= 180 ha		T=90		T=12 B												
						T=1.6 0 Ha												

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=-

Dhantola

Name of District:=-

Bongaigaon

Name of Block:-

Boitamari

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Irrigation & Drainage Canal /Bund				Remarks
		Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	
1	Dhalkata	20		10		4 B		2										
2	Bajitpara	24		12		2 B		2										
3	Banipara	26		13														
4	Sudamvita	20		10														
5	Jalakhata	30		15														

6	Panchagao n Pt-1	40		20		2 B		2										
7	Panchagao n Pt-ii	20		10		6 B		3										
8	Meskajhar	30		15		3 B		3										
9	Sajanavita	10		5														
		Total=20		T=110		T= 17 Bigha		T- 12 nos										
						T= 2.26 ha												

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=

Ghilaguri

Name of District:=

Bongaigaon

Name of Block:-

Boitamari

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Irrigation & Drainage Canal /Bund				
		Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Area in Ha	Exis ting (nos )	Prop osed (nos)	Amo unt	Rema rks
1	Nayagaon Pt-I & II	41		22		4		2										
2	Katashbari - I	20		10														
3	Katashbari - ii & iii	34		18														
4	Simlaguri	24		12														

5	Ghilaguri-I	16		8														
6	Ghilaguri-II	50		25														
7	Ghilaguri-III	32		16														
8	Baripukhuri	34		12														
9	Nayagaon III	31		18														
		Total=282		T=141		T=4		T=2										

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:= Pub  
Majer Alga  
Name of District:=  
Bongaigaon

Name of Block:-  
Boitamari

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Irrigation & Drainage Canal /Bund				Remarks
		Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	
1	Iswarjhari Pt-1	25		10														
2	Iswarjhari Pt-2	40		20		5		2										
3	Dinonathpur	16		8														
4	Bhutkura	14		7														
5	Satghobigha	10		5														



6	Kayam Majer Alga	12		6														
7	Hokodoba	24		12														
8	Isvarjhari Pt-5	29		12														
		Total=170		T=80		T=5		T=2										

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=-

Oudubi

Name of District:=-

Bongaigaon

Name of Block:-

Boitamari

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Irrigation & Drainage Canal /Bund				Remarks ( Length)
		Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	
1	Boalimari	30	8	15		40 B	2	2						25	1	1		1200 m
2	Kheluapara -iv	20	6	10														
3	Kheluapara -v	30	8	15														
4	Kheluapara -vi	10	10	20														

5	Kheluapara-vii	10	12	20														
6	Oudubi-I	20	6	10		1 B	1	1						20	1	1		1000 m
7	Oudubi-II	20	7	10														
8	Kochudola-I	14	4	7		1 B	1	1						20	1	1		1000 m
9	Kochudola-II	6	2	3														
10	Bhoirabphar	5	1	3														
		T= 165		T-113				T= 4							T=3	T=3		T=3200 m

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=-

Balapara

Name of District:=-

Bongaigaon

Name of Block:-

Boitamari

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Irrigation & Drainage Canal /Bund				Remarks ( Length)
		Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	
1	Chedamari	25	4	12														
2	Balapara	10	3	5														
3	Dolonibeel	36	6	18														

4	Hokodoba	16	3	8														
5	Khapujee	30	5	15														
6	Borpara	15	2	7														
7	Beltoli	35	11	17														
		T=167		T=82														

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee  
Yojana (PMKSY)-2015-16

Name of GP:=-

Jogighopa

Name of District:=-

Bongaigaon

Name of Block:-

Boitamari

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Irrigation & Drainage Canal /Bund				Remarks ( Length)
		Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	
1	Koreya Pt-1	30	10	15														
2	Koreya Pt-II	50	18	25														
3	Koreya Pahar	24	6	12														
4	Joghighopa	6	1	3														
5	Islampur	5	3	2														
6	Bhatipara	20	10	10														
7	Joghighopa Bhatipara	28	20	14														
8	Chatpara (E)	56	31	28														

9	Chatpara (W)	40	5	20														
		T=259		T=129														

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=-

Kabaitary

Name of District:=-

Bongaigaon

Name of Block:-

Boitamari

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Irrigation & Drainage Canal /Bund				Remarks ( Length)
		Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	
1	Kabaitary pt-I	16	12	8														
2	Kabaitary pt-III	26	23	13						80		4						
3	Kabaitary pt-IV	20	22	10						195		4						
4	Kabaitary pt-V	14	12	7														
5	Bharat Kundi Pt-8,9 &10	30	18	15														
		T= 106	T= 87	T= 53														

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee  
Yojana (PMKSY)-2015-16

Name of GP:=-

Chalantapara

Name of District:=-

Bongaigaon

Name of Block:-

Boitamari

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Irrigation & Drainage Canal /Bund				Remarks ( Length)
		Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	
1	Chalantapara Pt-I	30	25	15						70 (30)		4						
2	Chalantapara Pt-II	20	5	10														
3	Chalantapara Pt-III	16	6	8														
4	Chalantapara Pt-IV	24	8	12														
5	Goraimari	50	35	25						70 (50)		5						
		T= 140	T =79	T =70						T=140 (80)		T= 9						

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee  
Yojana (PMKSY)-2015-16

Name of GP:=-

Sankarghola

Name of Block:-

Boitamari

Name of District: =

Bongaigaon

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Irrigation & Drainage Canal /Bund				Remarks ( Length)
		Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	
1	Sankarghola-I	6	4	3										18		1		1000 m
2	Sankarghola-II	8	2	4														
3	Saradura-I	10	3	5												1		500 m
4	Saradura-II	8	5	4														
5	Nimagaon	10	3	5										80		2		1500 m
6	Bargaon	8	5	4														
7	Bishnupur	10	4	5														
8	Majpara	12	5	6														
9	Sakomura -I	18	9	9														
10	Sakomura -II	14	7	7		5		1										
11	Sakomura -III	10	3	5														
12	Kumarkata-I	8	4	4														
13	Kumarkata-II	8	5	4														
14	Kumarkata-III	6	3	3														

15	Kumarkata-IV	10	3	5														
16	Borghola	12	5	6														
17	Borghola Pt-II	20	4	10														
18	Poolirtol	16	4	8														
19	Sistipara	8	3	4														
20	Gonakghuli	8	2	4														
21	Manikjhora	6	2	3														
22	Barjuli	4	2	2														
		T=220				T=5		T=1						T=98		T= 4		T=3000 m

Proposed Scheme / Projects against Block Irrigation Plan under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)-2015-16

Name of GP:=

Baitamari

Name of District:=

Bongaigaon

Name of Block:-

Boitamari

S L N o	Name of Village	STW				Water Harvesting Structure ( Tank)				Lift irrigation				Earthen Irrigation & Drainage Canal /Bund				Remarks ( Length)
		Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	Area in Ha	Existing (nos)	Proposed (nos)	Amount	
1	Barkhala Pt-1	60	22	30		0.8		3			1	2		100		1		2000 m

2	Barkhala Pt-II	40	11	20		0.6		2				2		105		1		2500 m
3	Barkhala Pt-III	44	9	22		0.52		2				2		60		1		1500 m
4	Amguri -I	50	21	25		0.6		2				3						
5	Amguri -II	56	18	28		0.67		2				3						
6	Kasharpara	62	19	31		0.26		1				2						
7	Raghunandanpur Pt-I	66	20	33		0.33		1				2						
8	Raghunandanpur Pt-II	72	24	36		0.52		2				4						
9	Moligaon (E)	68	23	34		0.67		2				4		50		1		500 m
10	Moligaon (W)	70	21	35		0.26		1				3						
		T= 588	T=188	T=294		T=5.23		T=18						T=315		T=4		T=6500 m