Foreword

Bagalkot District is predominantly agriculture district as more than seventy percent of the population is dependent on agriculture. As water is one of the most important inputs essential for the production of crops, now a day's water is becoming increasingly a scarce source and is limiting the overall agriculture development. The gross crop coverage in the district is 2.4 lakh ha, 3.0 lakh ha. and 0.36 lakh ha. during Kharif, Rabi and summer season respectively. Major area of the district is dependent on rainfall and monsoon being the erratic many times, the total crop production and productivity are variable. Though there few irrigation projects in the district, the tail end areas of the canal are suffering from water availability. By drafting the water from the ground the water table is decreasing day by day. On the other hand by injudicious use of water the fertile soil of the district is becoming saline and alkaline in nature, which in turn affects the total crop production.

Hence, there is need to bring more area under assured irrigation. PMKSY has provided an opportunity to prepare District Irrigation Plan by integrating all the departments concerned with conservation, storage, distribution and utilization of water. In this context District Irrigation Plan (DIP) has been prepared. The Proposed District Irrigation Plan mainly focuses on bringing more area under assured irrigation, soil and water conservation, reclamation of the affected soils and judicious and efficient use of water by adopting precision irrigation system.

I sincerely hope that by implementing the District Irrigation Plan in Bagalkot district there will be drastic improvement with respect to production and productivity of crops which leads to increase in rural prosperity.

Place: Bagalkot
Date:01-08-2016

P. A. Meghannavar
I.A.S.
Deputy Commissioner
Bagalkot District.

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Introduction

The major objective of PMKSY is to achieve convergence of investments in irrigation at the field level, expand cultivable area under assured irrigation, improve on-farm water use efficiency to reduce wastage of water, enhance the adoption of precision-irrigation and other water saving technologies (More crop per drop), enhance recharge of aquifers and introduce sustainable water conservation practices by exploring the feasibility of reusing treated municipal waste water for peri-urban agriculture and attract greater private investment in precision irrigation system.

PMKSY has been conceived amalgamating ongoing schemes viz. Accelerated Irrigation Benefit Programme (AIBP) of the Ministry of Water Resources, River Development & Ganga Rejuvenation (MoWR,RD&GR), Integrated Watershed Management Programme(IWMP) of Department of Land Resources (DoLR) and the On Farm Water Management (OFWM) of Department of Agriculture and Cooperation (DAC). The scheme will be implemented by Ministry of Agriculture, Water Resources and Rural Development. Ministry of Rural Development is to mainly undertake rain water conservation, construction of farm pond, water harvesting structures, small check dams and contour bunding etc. MoWR, RD&GR, is to undertake various measures for creation of assured irrigation source, construction of diversion canals, field channels, water diversion/lift irrigation, including development of water distribution systems. Ministry of Agriculture will promote efficient water conveyance and precision water application devices like drips, sprinklers, pivots, rain-guns in the farm "(Jal Sinchan)", construction of micro-irrigation structures to supplement source creation activities, extension activities for promotion of scientific moisture conservation and agronomic measures.

Programme architecture of PMKSY will be to adopt a 'decentralized State level planning and projectised execution' structure that will allow States

to draw up their own irrigation development plans based on District Irrigation Plan (DIP) and State Irrigation Plan (SIP). It will be operative as convergence platform for all water sector activities including drinking water & sanitation, MGNREGA, application of science & technology etc. through comprehensive plan. State Level Sanctioning Committee (SLSC) chaired by the Chief Secretary of the State with the authority to oversee its implementation and sanction of projects.

The programme will be supervised and monitored by an Inter-Ministerial National Steering Committee (NSC) will be constituted under the Chairmanship of Prime Minister with Union Ministers from concerned Ministries. A National Executive Committee (NEC) constituted under the Chairmanship of Vice Chairman, NITI Aayog to oversee programme implementation, allocation of resources, inter ministerial coordination, monitoring & performance assessment, addressing administrative issues etc.

Components and responsible Ministries/ Departments

1. AIBP by MoWR, RD &GR
   a) focus on faster completion of ongoing Major and Medium Irrigation including National Projects.
2. PMKSY (Har Khet ko Pani) by MoWR,RD & GR
   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 available source, which is not utilised to its fullest capacity (deriving benefits from low hanging fruits). At least 10% of the command area to 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) Creation and rejuvenation of traditional water storage systems like Jal Mandir (Gujarat); Khatri, Kuhl (H.P.); Zabo (Nagaland); Eri, Ooranis (T.N.); Dongs (Assam); Katas, Bandhas (Odisha and M.P.) etc. at feasible locations.

3. PMKSY (Per drop more crop) by Dept. of Agriculture & Cooperation, MoA

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 PMKSY (WR), PMKSY (Watershed) and MGNREGS.

e) Secondary storage structures at tail end of canal system to store water when available in abundance (rainy season) or from perennial

sources like streams for use during dry periods through effective on-farm water management

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

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

h) Capacity building, training for encouraging potential use water source through technological, agronomic and management practices including community irrigation.

i) Awareness campaign on water saving technologies, practices, programmes etc. organisation of workshops, conferences, publication of booklets, pamphlets, success stories, documentary, advertisements etc.

j) Improved/innovative distribution system like pipe and box outlet system with controlled outlet and other activities of enhancing water use efficiency.

4. PMKSY (Watershed) by Dept. of Land Resources, MoRD

a) Water harvesting structures such as check dams, nala bund, farm ponds, tanks etc.

b) Capacity building, entry point activities, ridge area treatment, drainage line treatment, soil and moisture conservation, nursery raising, afforestation, horticulture, pasture development, livelihood activities for the asset-less persons and production system & micro enterprises for small and marginal farmers etc.

c) Effective rainfall management like field bunding, contour bunding/trenching, staggered trenching, land levelling, mulching etc.

District Irrigation Plans (DIPs)

District Irrigation Plan (DIP) shall be the cornerstone for planning and implementation of PMKSY. DIP will identify the gaps in irrigation infrastructure after taking into consideration the District Agriculture Plans (DAPs) already prepared for Rashtriya Krishi Vikas Yojana (RKVY) vis-à-vis irrigation infrastructure currently available and resources that would be added during XII Plan from other ongoing schemes (both State and Central), like Mahatma Gandhi National Rural Employment Guarantee Scheme(MGNREGS), Rashtriya Krishi Vikash Yojana (RKVY), Rural Infrastructure Development Fund (RIDF), Member of Parliament Local Area Development (MPLAD) Scheme, Member of Legislative Assembly Local Area Development (MLALAD) Scheme, Local body funds etc. The gaps indentified under Strategic Research & Extension Plan (SREGP) are be used in preparation of DIP.

DIPs will present holistic irrigation development perspective of the district outlining medium to long term development plans integrating three components viz. water sources, distribution network and water use applications incorporating all usage of water like drinking & domestic use, irrigation and industry. Preparation of DIP will be taken up as joint exercise of all participating departments. DIP will form the compendium of all existing and proposed water resource network system in the district.

The DIPs may be prepared at two levels, the block and the district. Keeping in view the convenience of map preparation and data collection, the work would be primarily done at block level. Block wise irrigation plan is to be prepared depending on the available and potential water resources and water requirement for agriculture sector prioritising the activities based on socio-economic and location specific requirement. In case of planning is made based on basin/sub basin level, the comprehensive irrigation plan may cover more than one district. The activities identified in the basin/sub-basin plan can be further segregated into district/block level action plans. Use of satellite imagery, topo sheets and available database may be appropriately utilised for

developing irrigation plans at least on pilot basis to begin with and subsequently extended to all projects.

Background,

Hon'ble President in his address to the joint Session of the Parliament of 16th Lok Sabha 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 Paani' 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 to ensure 'Per drop-More crop'. Out of about 141 m.Ha of net area sown in the country, about 65 million hectare (or 45%) is presently covered under irrigation. Substantial dependency on rainfall makes cultivation in unirrigated areas a high risk, less productive profession. Empirical evidences suggest that assured or protective irrigation encourages farmers to invest more in farming technology and inputs leading to productivity enhancement and increased farm income. 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.

Vision,

To use the available water resources in the district to the maximum potential in an efficient way catering to the basic needs of every living being and enhancing the livelihoods of rural population to the maximum extent thus alleviating poverty in a sustainable way without compromising the interests of future generations.

Objective,

The broad objectives of PMKSY will be:-

a) Achieve convergence of investments in irrigation at the field level (preparation of district level and, if required, sub district level water use plans).

b) Enhance the physical access of water on the farm and expand cultivable area under assured irrigation (Har Khet ko pani).

c) Integration of water source, distribution and its efficient use, to make best use of water through appropriate technologies and practices.

d) Improve on-farm water use efficiency to reduce wastage and increase availability both in duration and in 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 wastewater for peri-urban agriculture.

j) Attract greater private investments in irrigation.

This will in turn increase agricultural production and productivity and enhance farm income.

Strategy /approach,

To achieve above objectives, PMKSY will strategize by focussing on end-to end solution in irrigation supply chain, viz. water sources, distribution network, efficient farm level applications, extension services on new technologies & information etc. Broadly,

PMKSY will focus on:-

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.

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.

g) The aforesaid areas only outline the broad contours of PMKSY; combination of interventions may be required depending on location specific conditions and requirements, which will be identified through District and State Irrigation Plans.

Methodology:

The preparation of District Irrigation plan is an integration of geospatial technology, Space application technologies and spatial and non-spatial data.

1) Transformation of available thematic information (district provided Gyan data) on to the village level on Bhuvan portal and extract geo-referenced village map data.
2) Integration of thematic layers with socio-economic data for classification of area into specific composite land units on village level.
3) Preparation of appropriate action plan based on potential of composite land units and developmental needs of study area is on the basis of available data.
4) Field visit to validate the recommended measures with respect to the ground situation and requirement of the local people.

5. Finalization of development plans based on field observation.

Available thematic information for preparation for water resource and land resource development plan.

- Landuse / land cover map
- Groundwater potential map
- Soil map - depth, texture, erosion and land capability
- Slope map.
- High resolution Satellite map through Bhuvan portal.
- Lithology.
- Hydro geomorphology.

Area for development of water resources structure geospatial technology has been used in this process first identify the area of crop land based on high resolution satellite data and then identify the irrigated area by different source of irrigation methods. To identify the un irrigated area an overlay method is used. District irrigation plan covers the fallowing planning component of the district in sustainable development approach :

- Increase in vegetation/biomass in the district.
- More number of surface water bodies in district.
- Shift from annual crop to perennial.
- Increase in the extent of crop area.
- Improvement in the soil moisture availability
- Reclamation of waste lands.
- Convergence of investments in irrigation at the field level.
- Enhance the physical access of water on the farm and expand cultivable area under assured irrigation (Har Khet ko pani)
- Best use of water through appropriate technologies and practices.
- Improve on-farm water use efficiency.
- Enhance the adoption of precision-irrigation and other water saving technologies (More crop per drop).
- Enhance recharge of aquifers and introduce sustainable water conservation practices.
- Ensure the integrated development of rainfed areas.
- Promote extension activities relating to water harvesting, water management and crop alignment for farmers and grass root level field functionaries.
- Explore the feasibility of reusing treated municipal waste water for peri-urban agriculture,
- Attract greater private investments in irrigation.

Justification Statement : In reference to the status and need of Irrigation

Bagalkot District receives rainfall on an average of 581 mm annually and major part of it received in September and October months i.e.,about 42% of the total annual Rainfall. Krishna, Ghataprabha and Malaprabha are the three non-perennial rivers flowing in the District and water will get reduced in these Rivers during Non-reany season.. So the District depends for water mainly on Canal Irrigation and underground water during Non-rainy season.

Sugarcane is major commercial crop grown in the district accounting for 27% of the total cultivable area of the district and the water requirement of the sugarcane is also very high accounting about 2.55 BCM ie.,54% of the total crop water requirement. Followed by Maize is the major cereal crop grown in the district accounting for 15% of the total cultivable area and water requirement of the crop is 0.44 BCM. i.e., 10% of the total crop water requirement. The Horticultural crops viz., Grapes, Banana, Sapota, Pomegranate, Turmeric and some vegetables are the important crops grown in this area. All these crops have high water requirement. As the major area of Agriculture in the district is monsoon dependent and as well as dependent on ground water i.e.,bore wells. Hence there is high need to bring more area under irrigation by way of creating new sources of water and efficient use of water resources. Though there are few irrigation projects in the district to provide irrigation facility to farms, the tail end side areas of the canals are not receiving the sufficient water, to provide the irrigation facilities such suffering areas of the district it is necessary to prepare realistic District Irrigation Plan.

Chapter-1

General Information of the District

1.1. District Profile

The district of Bagalkot is situated entirely on the North Karnataka Plateau, which is part of the larger Deccan Plateau. The district is located between latitudes north form 15^0 49' to 16^0 46' and between longitudes east from 74^0 49' to 76^0 20'. And Head quarter is located at 16°12′N 75°45′E. The district has an area of 6593 km². The location map of the Bagalkot district is given in figure 1.1. The New Bagalkot district was carved out of Bijapur in 1997. The bifurcated Bagalkot district has six blocks (taluks) —Badami, Bagalkot, Bilgi. Hungund, Jamkhandi and Mudhol, The average elevation in this area reaches approximately 610 m. The climate is warm and dry throughout the year and rainfall is scarce. Bagalkot district receives the lowest rainfall annually in Karnataka. The normal rainfall in the region is approximately 581 mm annually. The months of September and October account for about 42% of the total annual rainfall.

Historically It is the home land of great chalukya dynasty. Aihole is place described as the laboratory for architecture rather a university of Indian architecture. Badami is famous internationally for caves carved in monolithic single stone in the period of Immadi Pulakeshi-I along with historical famous temples of Pattadakal, Mahakuteshwar temple in Mahakuta, Shivayogmandir and Banashankari temple in Badami. Mudhol is the birth place of great poet "Ranna". Bilagi taluka Galagali village is famous for Galava Maharshi. Jamakhandi was the capital city during the period of "Patawardhana" Kingdom.

Kudalsangam the place where the great social revolutionist of 12 th century lord “Basavanna” was educated. The galaxy of sharana’s lived in this Holy Land is itself a matter of pride

The University of Horticultural Sciences (UHS) is headquartered in Navanagar, Bagalkot with its constituent colleges spread across the state.

The district has a total population of 1889752 out of which the Schedule Casts comprises 319149 (16.9%), Schedule Tribes 97203 (5.14%) . According to Census 2011 of the total population of Male is 950111 male and Female is 939641 .

Total geographical area of the district is 658877 ha, out of which cultivable area is 4,69,859 ha and Forest area in the district is 81126 ha.. Bagalkot is devoid of large canopy tree vegetation, the region is semi-arid. The Krishna River, Ghataprabha River and Malaprabha River flow through the region but are non perennial. Soil in the area can be categorised as either the majority black or minority red. Black soil retains moisture and is often used for the cultivation of Rabi crops like Jowar and Bengalgram . Other major crops cultivated in the District are Red gram, Sunflower, Groundnut, Wheat, Bajra and Maize. Sugarcane is the major commercial crop of the district grown in 1.25 lakh ha.

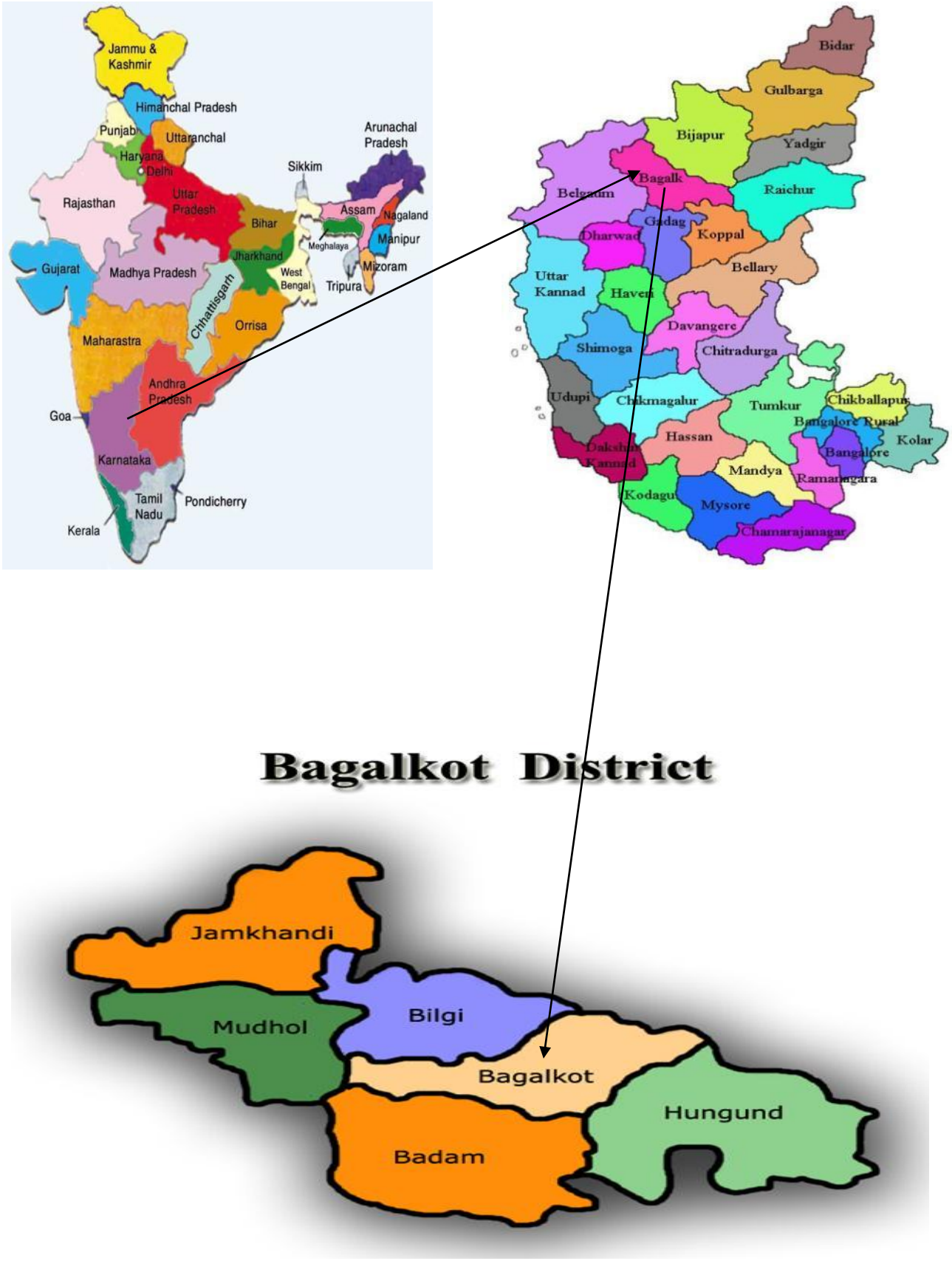


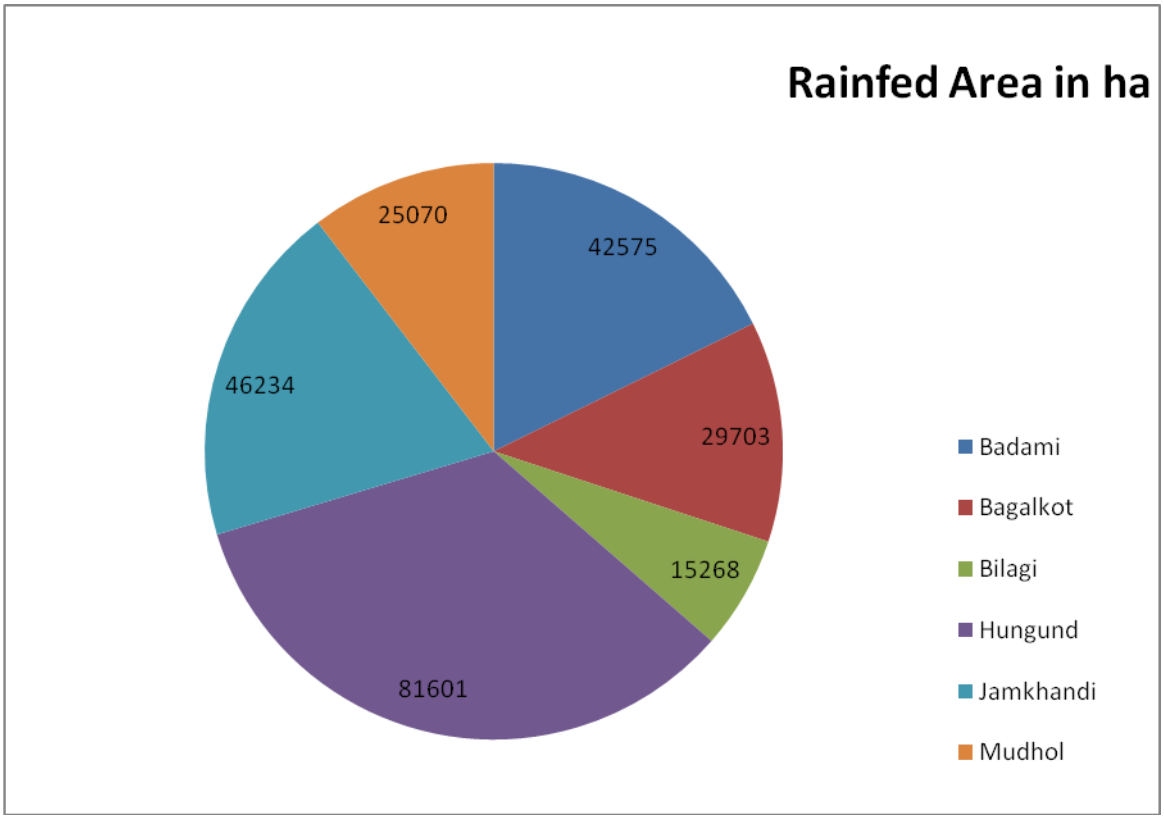
Figure 1-1 : Location Map of Bagalkot District.

Table 1-1 : District Profile

District Profile	
District Code	556
Geographical Area	6588.77 km².
Latitude and Longitude	16°12′N 75°45′E
Area Under Forest	81126 Ha
Area under Agriculture Use	469859 Ha
Net Sown Area	469859 Ha
Gross Cropped Area	584865 Ha
Irrigated Area	229408 Ha
Rain fed Area	240451 Ha
Total number of Blocks	6
Total number of Panchayat	198
Total number of villages	619
Total Population	1889752
Total Male Population	950111
Total Female Population	939641
Total Population SC	319149
Total Population ST	97203
Total Population General	1485403
Total Livestock	1646320
Poultry	1372186
Total Surface Water	2.31729 BCM
Total Ground Water	0.39567 BCM

Table 1-2 : Rainfed Area in the District:

Sl. No.	Name of the Block	Rainfed Area (Ha)
1	Badami	42575
2	Bagalkot	29703
3	Bilagi	15268
4	Hungund	81601
5	Jamkhandi	46234
6	Mudhol	25070
	Total	240451

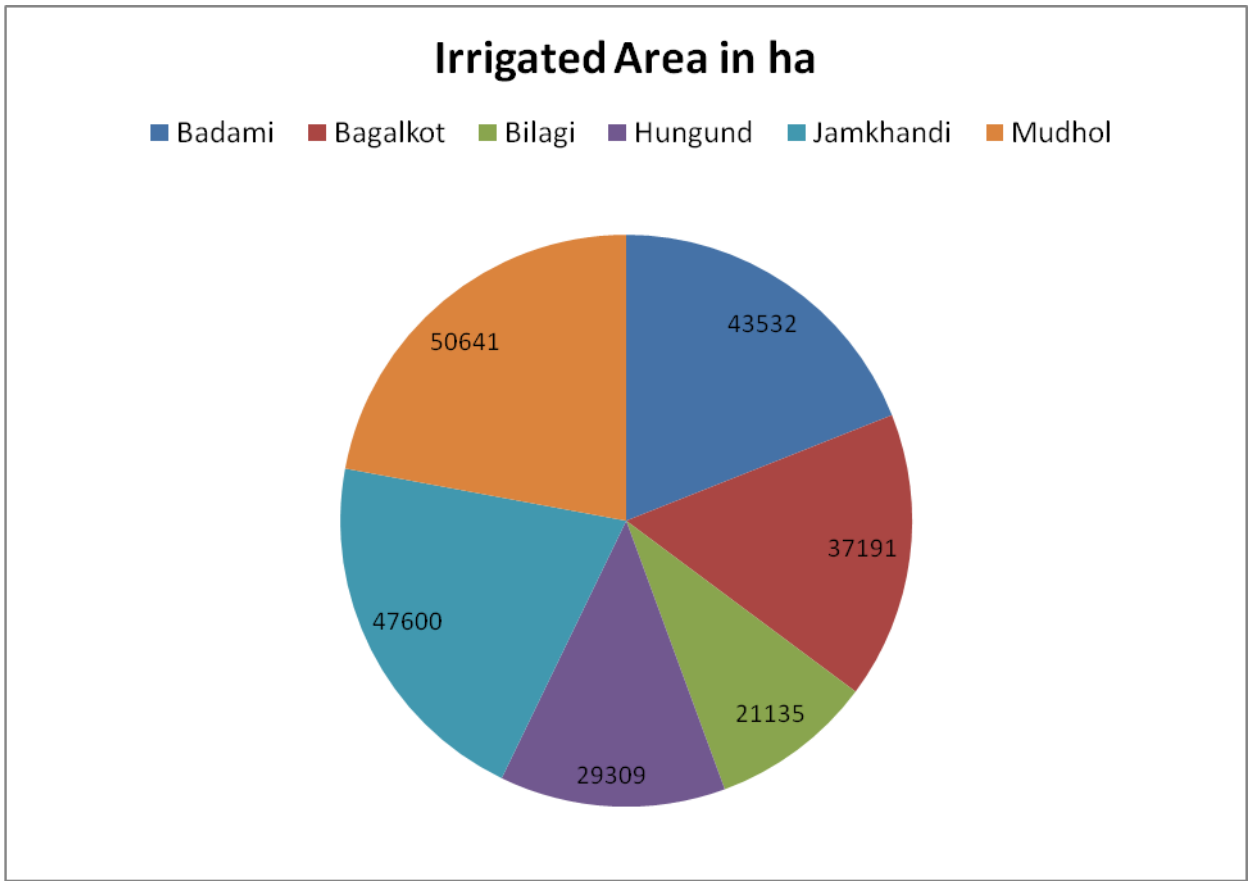


Graph 1-1 : Block wise Rainfed area of the District

Table 1-3 : Irrigated Area in the District:

Sl. No.	Name of the Block	Irrigated Area (Ha)
1	Badami	43532
2	Bagalkot	37191
3	Bilagi	21135
4	Hungund	29309
5	Jamkhandi	47600
6	Mudhol	50641
	Total	229408

(Source : Major & Minor Irrigation department)



Graph 1-2 : Block-wise Irrigated Area of the District.

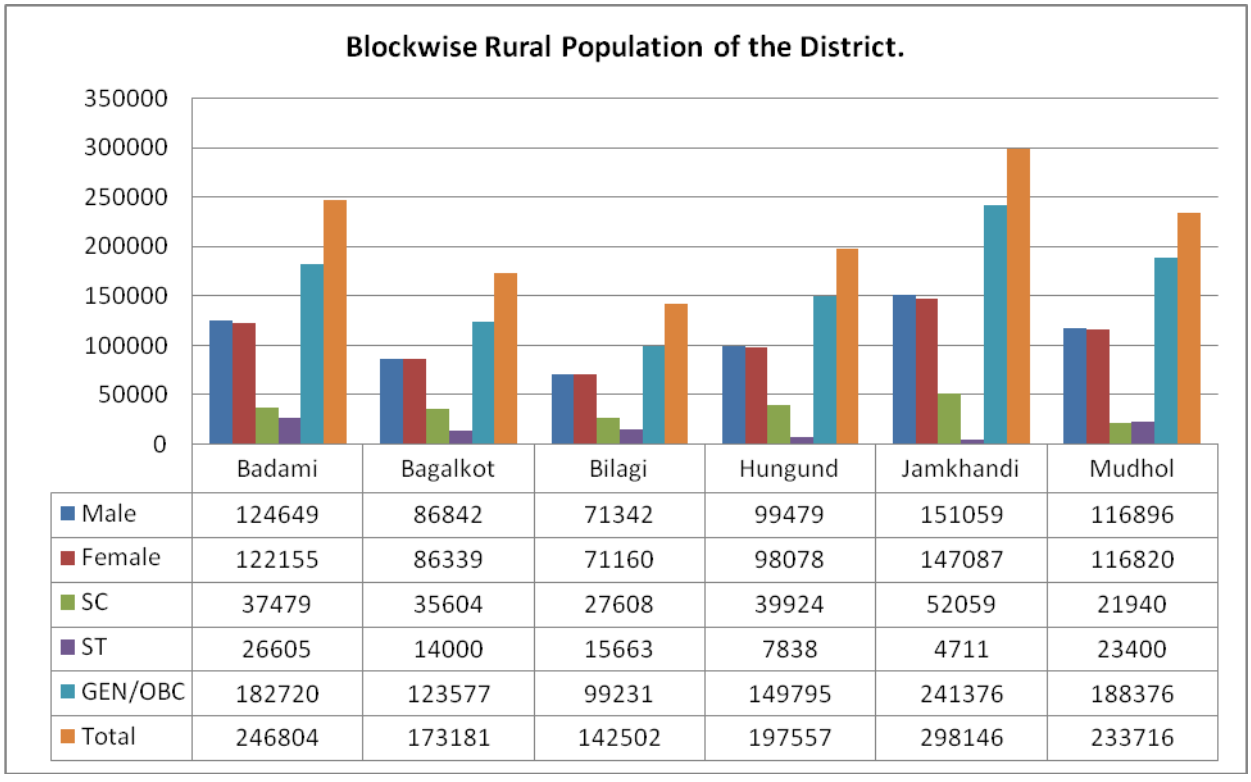
1.2. Demography

Total rural population of the district is 12,91,906 as per 2011 Census of India. Jamkhandi Block has more rural population; whreas Bilagi Block has less rural population in District.

Table 1-4 : Block-wise Rural Population of the District

Sl. No.	Block Name	Male	Female	SC	ST	GEN/ OBC	TOTAL
1	Badami	124649	122155	37479	26605	182720	246804
2	Bagalkot	86842	86339	35604	14000	123577	173181
3	Bilagi	71342	71160	27608	15663	99231	142502
4	Hungund	99479	98078	39924	7838	149795	197557
5	Jamkhandi	151059	147087	52059	4711	241376	298146
6	Mudhol	116896	116820	45340	12003	188376	233716
	Total	650267	641639	238014	80820	985075	1291906

(Source: Census of India 2011)



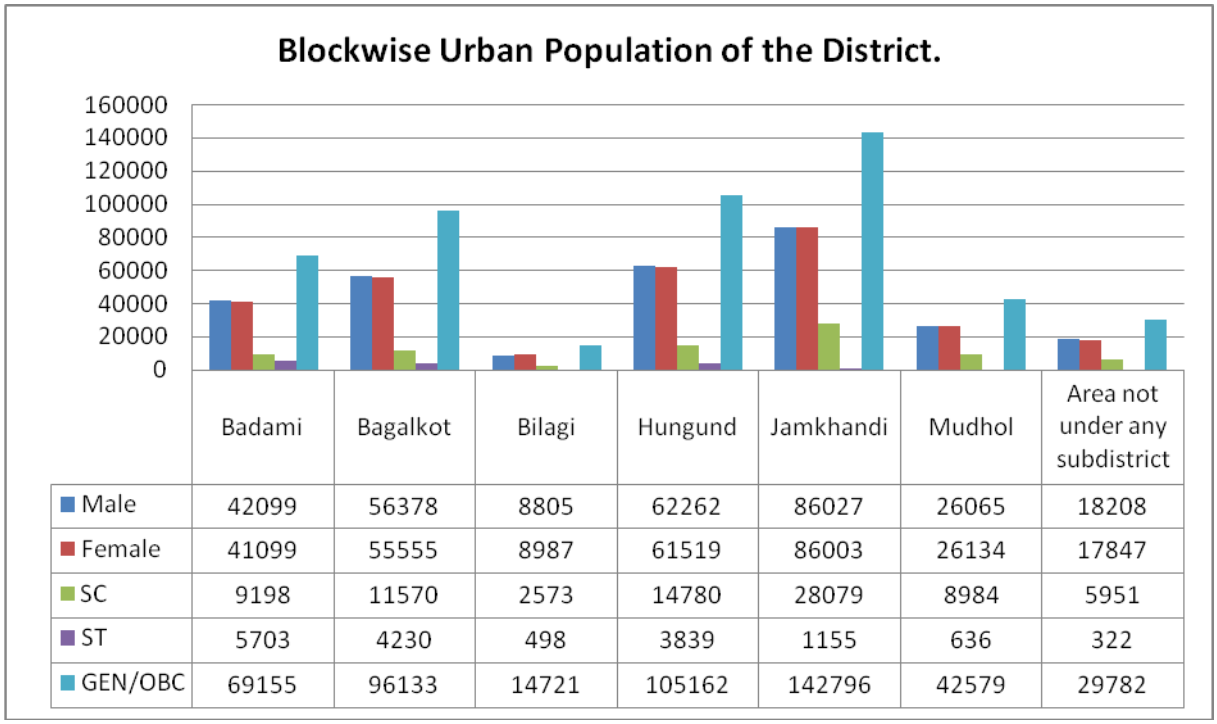
Graph 1-3: Blockwise Rural Population of the District.

Total urban population of the district is 5,97,846. Jamkhandi Block has higher urban population, where as Bilagi Block has lesser urban population in the district.

Table 1-5 : Block-wise Urban Population of the District

Sl.No.	Block Name	Male	Female	SC	ST	GEN/ OBC	TOTAL
1	Badami	42099	41099	9198	5703	69155	84056
2	Bagalkot	56378	55555	11570	4230	96133	111933
3	Bilagi	8805	8987	2573	498	14721	17792
4	Hungund	62262	61519	14780	3839	105162	123781
5	Jamkhandi	86027	86003	28079	1155	142796	172030
6	Mudhol	26065	26134	8984	636	42579	52199
	Area not under any sub district	18208	17847	5951	322	29782	36055
	Total	299844	297144	81135	16383	500328	597846

(Source: Census of India 2011)

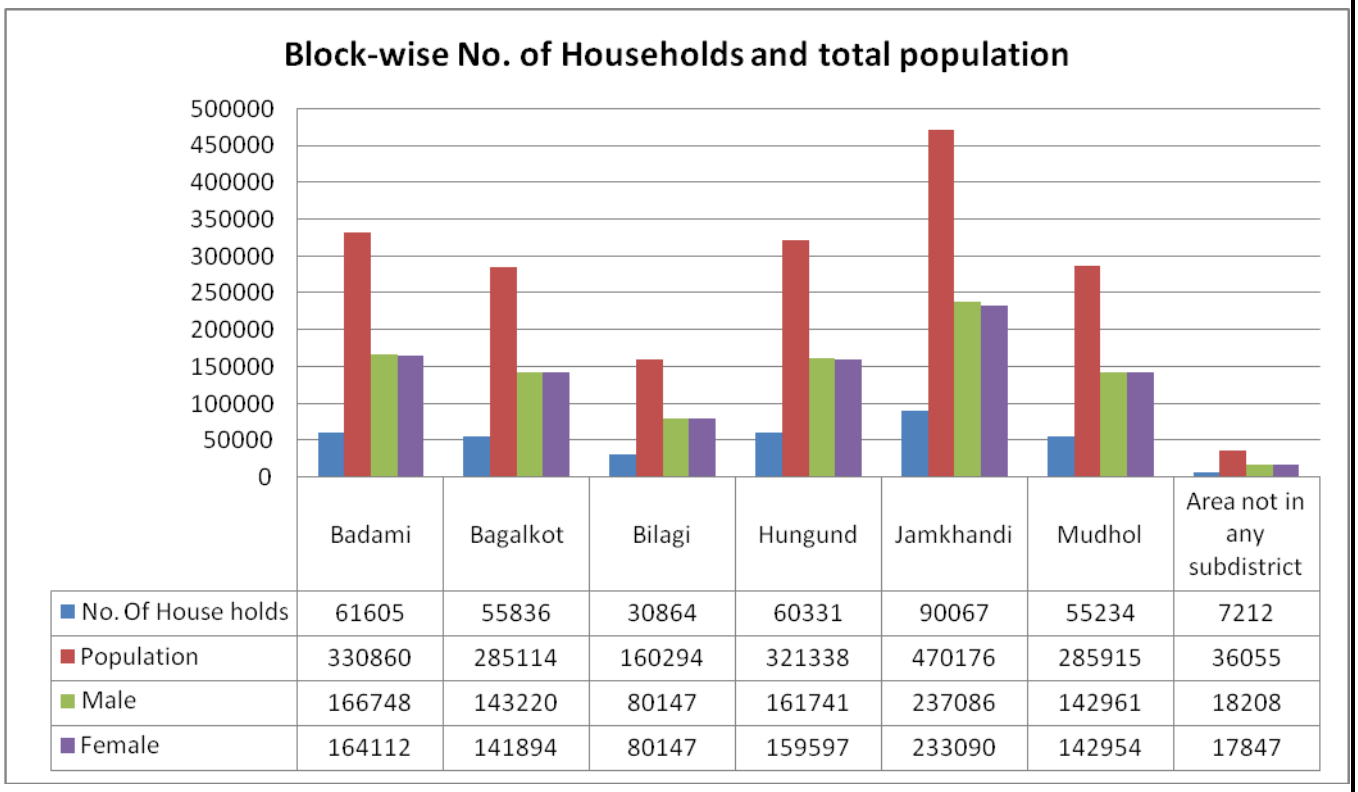


Graph 1-4: Blockwise Urban Population of the District.

Table 1-6 : Block-wise number of House Holds

Block Name	House Holds	Total Population	Male	Female
Badami	61605	330860	166748	164112
Bagalkot	55836	285114	143220	141894
Bilagi	30864	160294	80147	80147
Hungund	60331	321338	161741	159597
Jamkhandi	90067	470176	237086	233090
Mudhol	55234	285915	142961	142954
Area not under any sub district	7212	36055	18208	17847
Total	361149	1889752	950111	939641

(Source: Census of India 2011)



Graph 1-5 : Block-wise No. of Households and total population

1.3 . Biomass and Livestock

Water Plays an important role in livestock productivity. Livestock productivity in pastoral areas depend greatly on availability of water. There are several factors, which determine water balance, water turnover and functions of the animal. Assessment of livestock and water requirement is helpful in modeling water and livestock relationships.

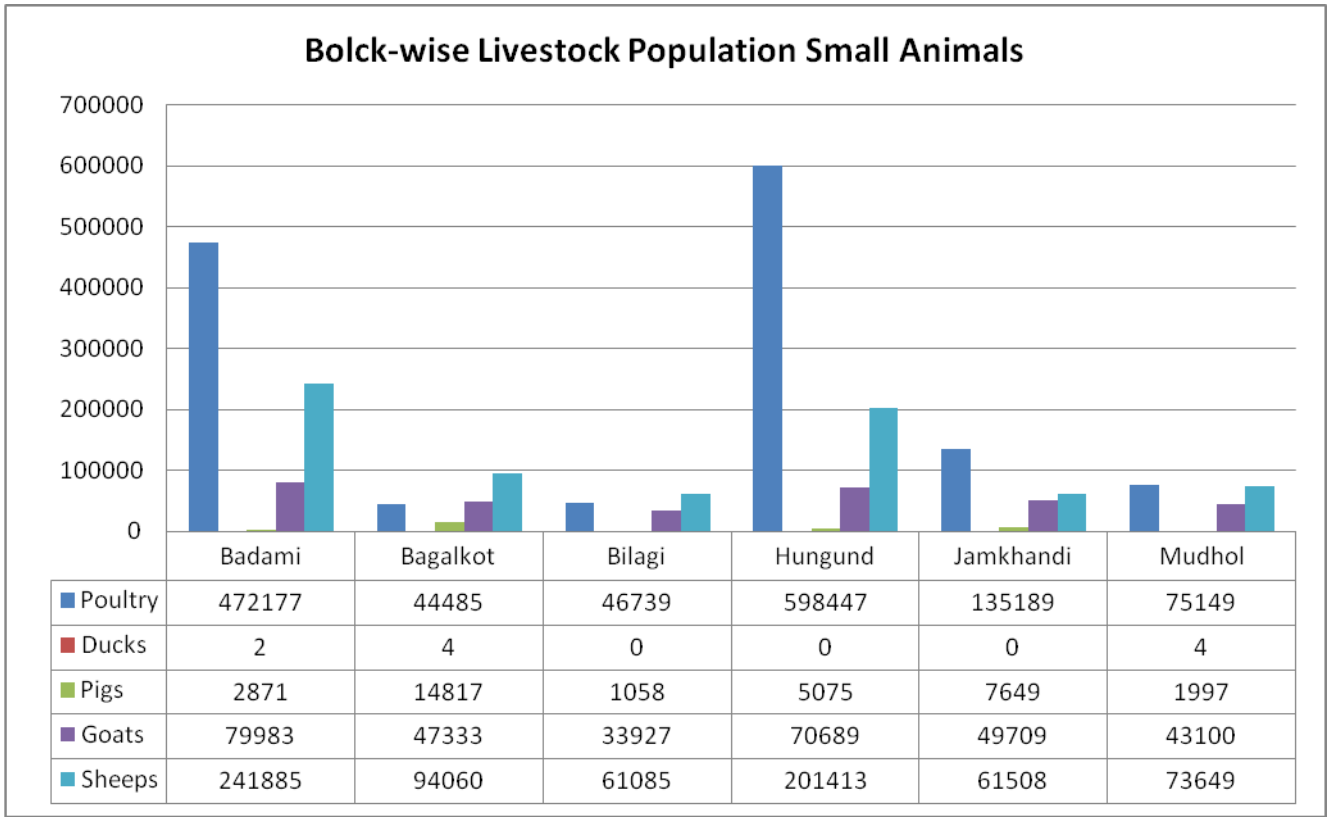
The demand for meat, dairy products and eggs rises faster than the demand for crops; thus both scenarios call for livestock production to increase relatively more rapidly than crops. The world livestock system is broadly divided into pastoral grazing, mixed farming and industrial systems (Sere and Stienfeld 1996). Estimate of the current demand of 1.7 billion tons of cereals and 206 million tones of meat in developing countries could rise by 2020 to 2.5 to 2.8 billion tones of cereals and to 310 millions of tons of meat (IFPRI 2000). Water is used by the herbivore as a medium for physical and chemical energy transfer, namely for evaporative cooling and intermediary metabolism (Konandreas and Anderson; King 1983; Kirda and Riechardt 1986). Livestock and Poultry water consumption depend on a number of physiological and environmental conditions such as :

- Type and size of animal or bird
- Physiological state (lactating, pregnant or growing)
- Activity level
- Type of diet-dry hay, silage or lush pasture
- Temperature-hot summer days above 25 oC can sometimes double the water consumption of animals.
- Water Quality-palatability and salt content

Table 1-7: :Block-wise Small Animals of Bagalkot District

Sl.No.	Name of the Block	Small Animals				
		Poultry (No.)	Ducks (No.)	Pigs (No.)	Goats (No.s)	Sheeps (No.s)
1	Badami	472179	2	2871	79983	241885
2	Bagalkot	44489	4	14817	47333	94060
3	Bilagi	46739	0	1058	33927	61085
4	Hungund	598447	0	5075	70689	201413
5	Jamkhandi	135189	0	7649	49709	61508
6	Mudhol	75153	4	1997	43100	73649
	Total	1372196	10	33467	324741	733600

(Source : Veterinary department)

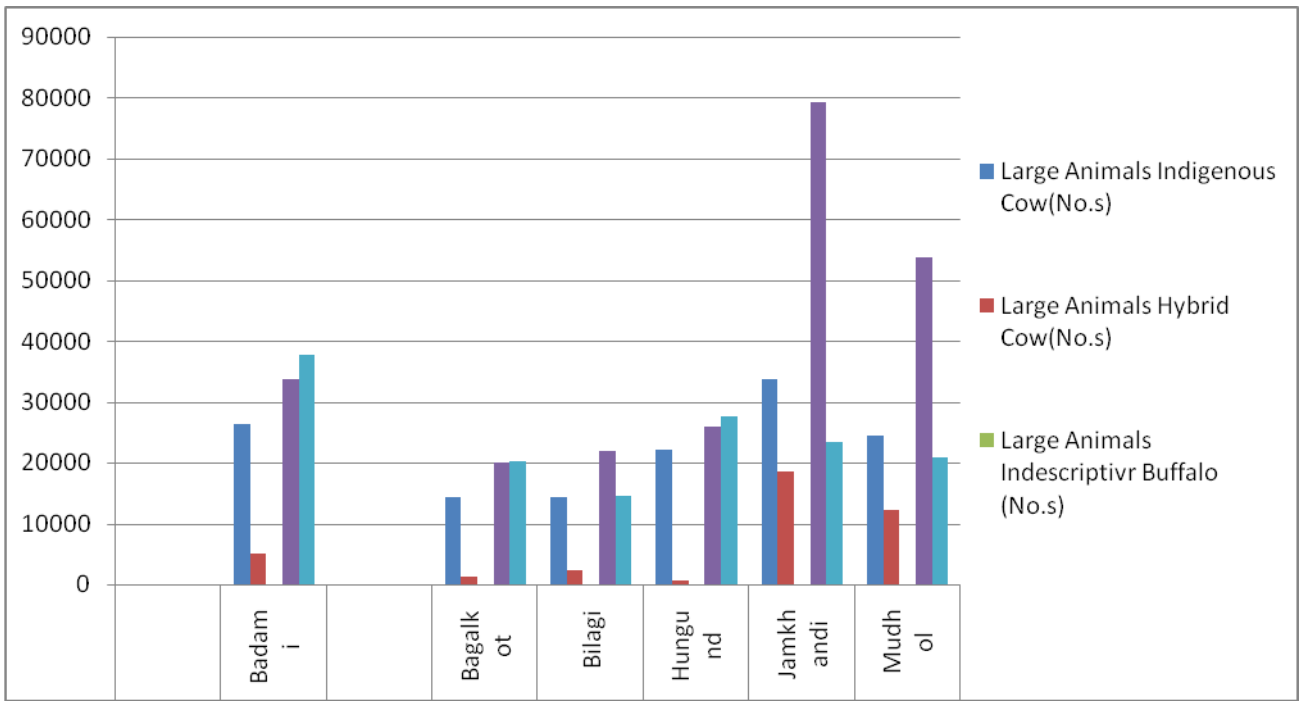


Graph 1-6: Bolck-wise Livestock Population Small Animals

Table 1-8 : Block-wise Large Animals of Bagalkot District

Sl No.	Name of the Block	Large Animals				
		Indigenous Cow(No.s)	Hybrid Cow No.s)	Indescriptivr Buffalo (No.s)	Hybird Buffalo (No.s)	Draft Animal (Buffalo/Yak/ bulls/any other (No.s)
1	Badami	53004	5647	0	33776	37725
2	Bagalkot	28155	1443	0	20058	20202
3	Bilagi	25576	2552	0	21887	14586
4	Hungund	42247	833	0	26005	27539
5	Jamkhandi	48539	19352	0	79245	23322
6	Mudhol	39276	12791	0	53831	20865
	Total	236797	42618	0	234802	144239

(Source : Veterinary department)



Graph 1-7 :Blockwise Livestock Population of Large Animals

Table 1-9 : Water consumption by different category of Livestock

Water Consumptions by Animals / Birds			
Sl.No.	Livestock Category	Water requiremenr Range	Average Water Use L/Day
1	Pultry	0.16-0.24	0.20
2	Small Animals	13-20	16.50
3	Large Animals	39-59	50

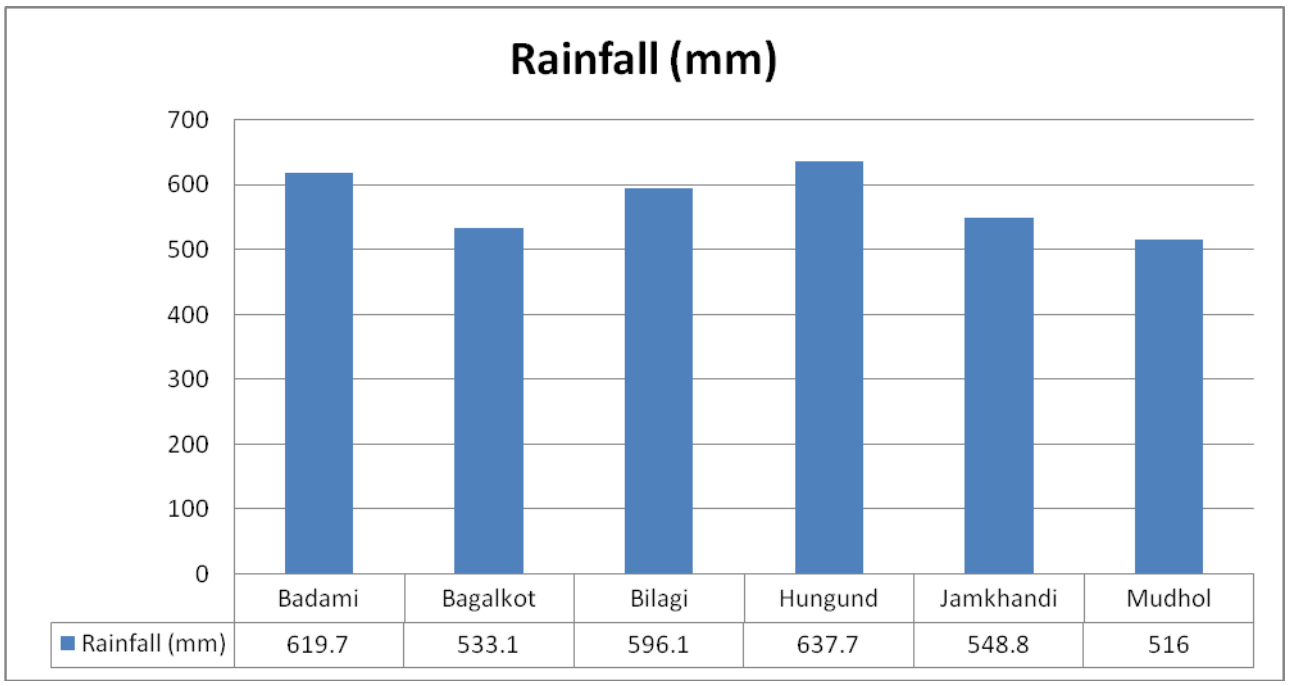
1.4. Agro-Ecology, Climate, Hydrology, and Topography:

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 agriculture 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 livestock. Sustainability of agriculture is viewed critically from the point of food and ecological security at the regional scale.

Table: 1-10 : Agro-Ecological Zone

Sl. No.	Agro Ecological Zone Type	Type of Terrain	Block Area (Ha)	Normal Rainfall (mm)	Average Monthly Rainfall (mm)	No. Of Rainy days (No.)
Badami	Zone-3 Northern Dry Zone of Karnataka	Plain	139420	619.7	51.64	33
Bagalkot		Plain	93627	533.1	44.43	30
Bilagi		Plain	78169	596.1	49.68	24
Hungund		Plain	135358	637.7	53.14	31
Jamkhandi		Plain	116853	548.8	45.73	25
Mudhol		Plain	95450	516.0	43.0	25
Total			658877	580.8	48.4	30

(Source : KSNDMC)



Graph 1-8 : Blockwise Comparative Average Rainfall

Table 1-11 : Temperature

Block Name	Average Weekly Temperature (C)									Potential
	Period									
	Summer (Apil-May)			Winter (Oct-March)			Rainy (June-Sept)			
	Min.	Max.	Mean	Min	Max	Mean	Min	Max	Mean	
Badami Bagalkot Bilagi Hungund Jamkhandi Mudhol	20.6	41.0	30.6	0.0	33.6	19.5	5.8	38.2	25.5	

(Source : KVK, Bagalkor)

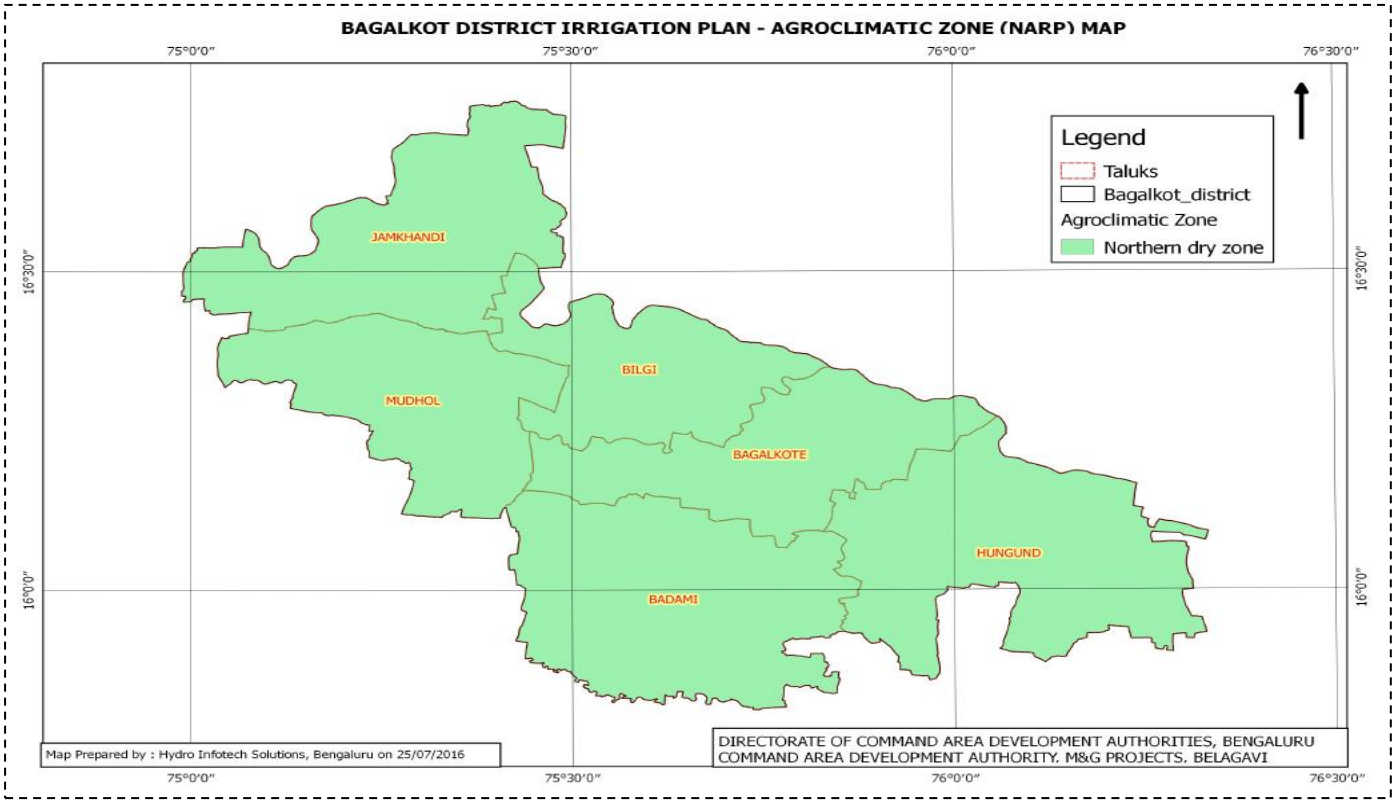


Figure 1-2 : Bagalkot District Agro climatic zone map

1.5. Soil Profile

1.5.1 Slope

A slope is the rise or fall of the land surface. It is important for the farmer or irrigator to identify the slopes on the land. Slope of land is also one of the important physiographic aspects influencing the landuse of an area. The effect of slope on agriculture may be both direct and indirect. The most obvious direct influence of slope is in the form of the restrained on cultivation and accessibility. The indirect effect of slope manifests itself in pedological and climatic modification including the position of water table, development of soils, air drainage and relative freedom form frost.

Table 1-12 :Soil type and Slope Distribution in Bagalkot District

Soil Type			Land Slope			
Major Soil Classes	Area (ha)	%	0-3% (ha)	3-8 % (ha)	8-25 % (ha)	more than 25% (ha)
Very Shallow red loamy soils	10250	1.56	**520711 (79.25%)**	**136310 (20.75%)**	-	-
Very sahllow red gravelly loam soils	85653	13.04				
Very shallow red gravelly clay soils	49697	7.56				
Medium deep red clayey soils	11840	1.80				
Medium deep red gravelly clay soils	13564	2.06				
Deep, red clayey soils	28160	4.29				
Very shallow mixed black clayey & brown loamy soils	82118	12.50				
Medium deep, black clayey soils	3946	0.60				
Medium deep, black calcareous clayey soils	37317	5.68				
Deep, black clayey soils	164640	25.06				
Deep, black calcareous clayey soils	42144	6.41				
Very shallow, alluvial loamy soils	80422	12.24				
Deep, alluvial black clayey soils	11114	1.69				
Deep, alluvial black calcareous clayey soils	32883	5.00				
Deep, alluvial clayey soils (salt affected in patches)	3272	0.50				
District Total	**657020**	**100.0**				

(Source : NBSS & LUP)

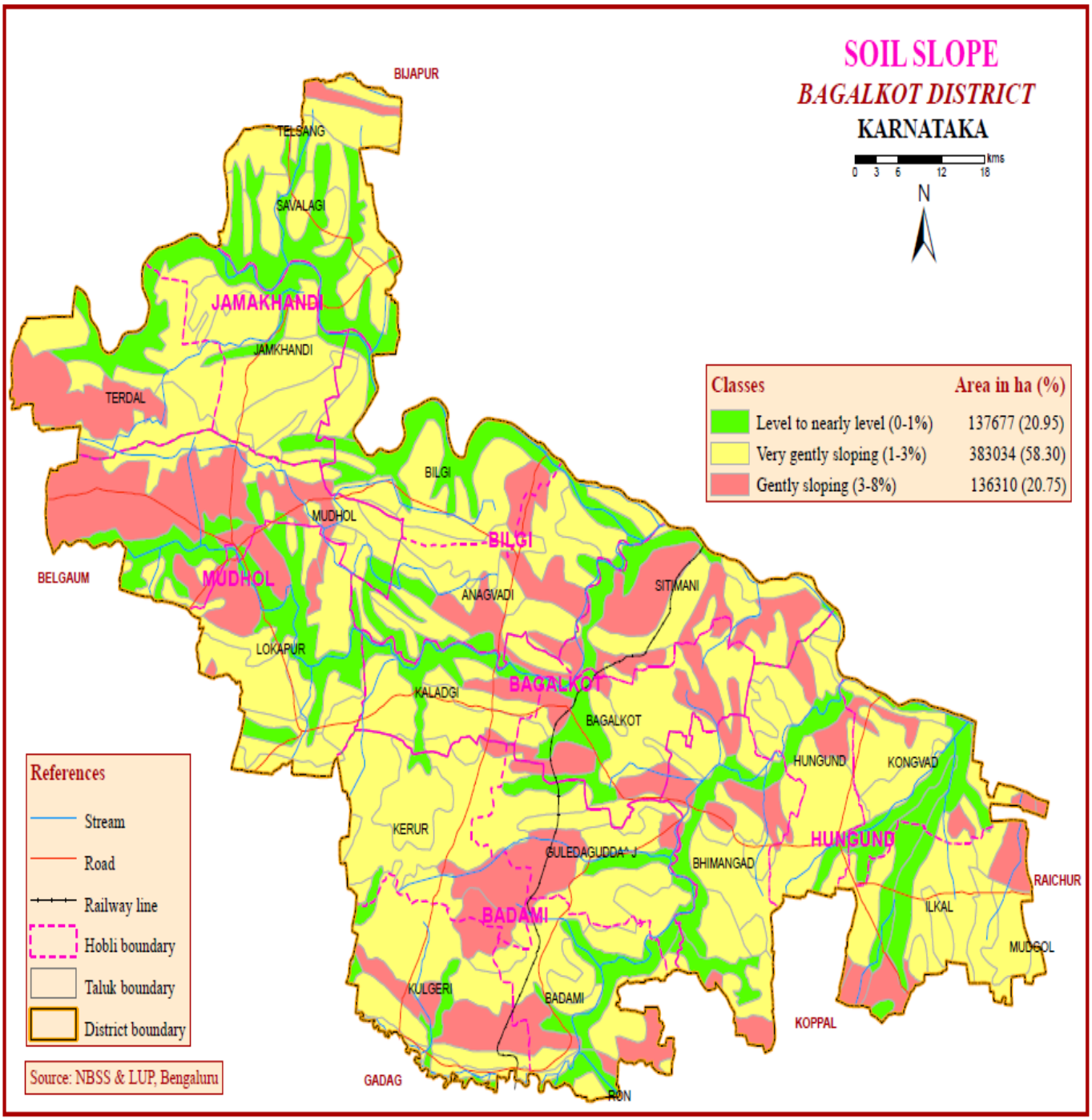


Figure 1-3 : Soil Slope of Bagalkot District

1.5.2. Hydrogeomorphology:

Hydrogeomorphology is an emerging scientific domain, mainly based on the concepts of other scientific areas related to geosciences (e.g., eomorphology, geology, remote sensing, hydrogeology, applied geophysics, soil and rock geotechnics, hydrology, topography, climatology and natural hazards. It operates in an interdisciplinary field focused on the linkage between hydrologic processes with landforms or earth materials, the interaction of geomorphic processes relating surface water and groundwater regimen.

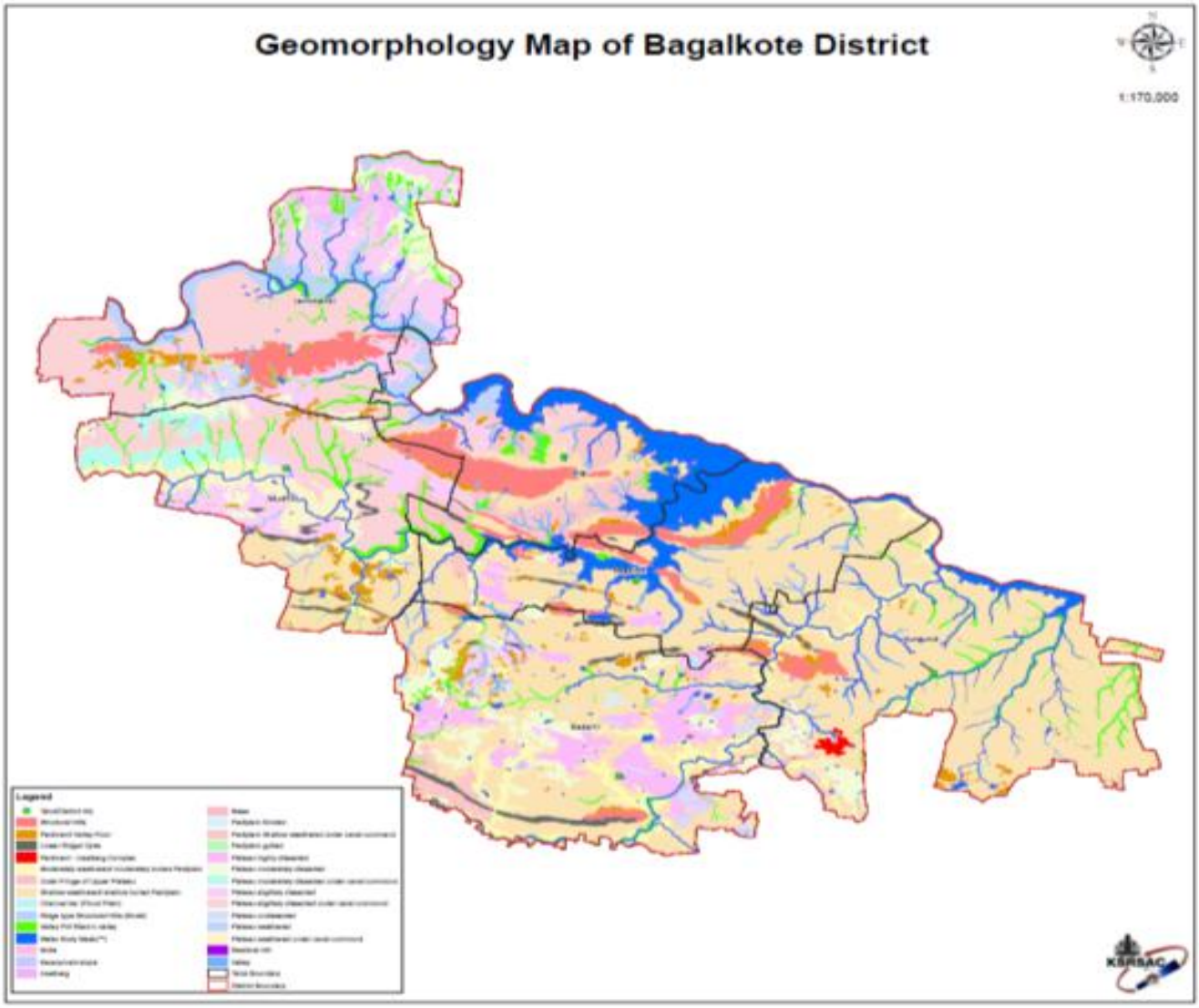


Figure 1-4 : Geomorphology map of Bagalkot District

1.5.3. Soil

Soil is a major part of the natural environment, alongside air and water, and is vital to the existence of life on the planet. Soil is the result of the process of the gradual breakdown of rock - the solid geology that makes up the earth. As rock becomes broken down through a variety of processes, such as weathering and erosion, the particles become ground smaller and smaller. As a whole, soil is made up from four constituents: mineral material, organic material, air and water. There are considered to be three main mineral parts to soil; ‘sand’, ‘silt’ and ‘clay’. These parts give the soil its 'mineral texture'. In addition, as leaves and other organic material fall to the ground and decompose - there also forms an ‘organic’ layer. Soil scientists (or pedologists) use a series of sieves to separate out the constituent parts in order to characterise soil by texture class.

Many natural bodies, such as plants and animals, are discrete entities which can be classified and guidelines for their identification followed. Soils are much more difficult to identify and classify than these discrete bodies for two main reasons: (i) soil is more or less a continuum covering the land surface of the earth, not a set of discrete entities; and (ii) most of the soil is below ground and therefore not readily visible. Soils grade into one another across the landscape usually without sharp boundaries between one type of soil and another. Soil surveyors who make maps of soils have to use their skills in reading changes in the landscape coupled with auger borings in the soil to identify the nature of the soil.

There are several ways of classifying a soil, from the simple to the complex. A soil type may be as simple as ‘a sandy soil’ or ‘a clayey soil’ and this is often the perception of many land users, such as farmers or civil engineers, who see it as material they have to deal with to achieve an end result, such as the growing of a crop of wheat, or the building a road. Simple classifications tend to be of local and restricted relevance only. At the other

end of the spectrum is the soil scientist who needs to understand how soils have formed, which types occur where, and for what the different types of soil can be used. The soil scientist seeks a much broader understanding, with the aim of underpinning the use and preservation of this important natural resource, and this has manifested itself in a number of detailed soil classification systems worldwide.

Soils have many important functions. Perhaps the best appreciated is the function to support the growth of agricultural and horticultural crops. Soil is the mainstay of agriculture and horticulture, forming as it does the medium in which growth and ultimately the yield of food producing crops occurs. Farmers and gardeners have worked with their soils over many centuries to produce increasing amounts of food to keep pace with the needs of a burgeoning world population. The soil's natural cycles go a long way in ensuring that the soil can provide an adequate physical, chemical and biological medium for crop growth. The farmer and horticulturalist have also become skilled in managing soils so that these natural cycles can be added to as necessary to facilitate adequate soil support and increasing yield to enhance production.

1.5.4. Soil Depth

Depth of soil profile from the top to parent material or bedrock or to the layer of obstacles for roots. It differs significantly for different soil types. It is one of basic criterions used in soil classification. Soils are classified as below based on soil depth and area under different classes of soils of Bagalkot District is as follows

Table 1-13 : Soil Classes of the Bagalkot District based on Soil Depth

Sl.No.	Classes	Area in Ha	%
1	Exteamely shallow (less than 10 cm)	10250	1.56
2	Very shallow (10-25 cm)	301837	49.94
3	Shallow (25-50 cm)	221	0.03
4	Moderately shallow (50-75 cm)	8970	1.37
5	Moderately Deep (75-100 cm)	45056	6.86
6	Deep (more than 100 cm)	290687	44.24

(Source : NBSS & LUP)

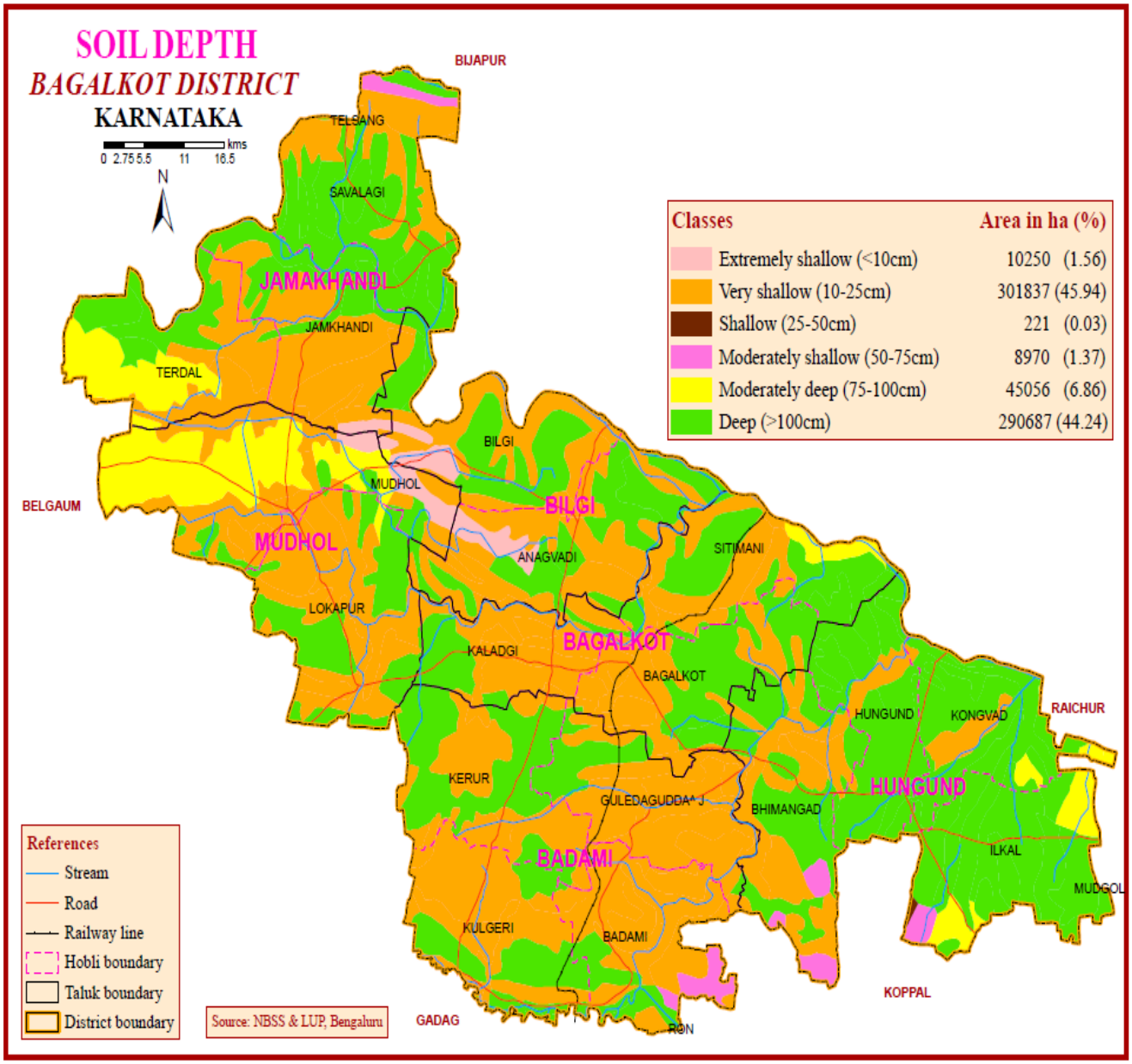


Figure 1-5 : Soil depth of Bagalkot District

1.5.5. Soil Texture

Soil texture has an important role in nutrient management because it influences nutrient retention. For instance, finer textured soils tend to have greater ability to store soil nutrients.

In our discussion on soil mineral composition, we mentioned that the mineral particles of a soil are present in a wide range of size. Recall that the fine earth fraction includes all soil particles that are less than 2 mm. Soil particles within this fraction are further divided into the 3 separate size classes, which includes sand, silt, and clay. The size of sand particles range between 2.0 and 0.05 mm; silt, 0.05 mm and 0.002 mm; and clay, less than 0.002 mm. Notice that clay particles may be over one thousand times smaller than sand particles. This difference in size is largely due to the type of parent material and the degree of weathering. Sand particles are generally primary minerals that have not undergone much weathering. On the other hand, clay particles are secondary minerals that are the products of the weathering of primary minerals. As weathering continues, the soil particles break down and become smaller and smaller.

Soil texture is the relative proportions of sand, silt, or clay in a soil. The soil textural class is a grouping of soils based upon these relative proportions. Soils with the finest texture are called clay soils, while soils with the coarsest texture are called sands. However, a soil that has a relatively even mixture of sand, silt, and clay and exhibits the properties from each separate is called a loam. There are different types of loams, based upon which soil separate is most abundantly present.

Table 1-14 :Soil Texture classes in Bagalkot District

Sl.No.	Class	Area in Ha	%
1	Sandy	6176	0.94
2	Loamy	232489	35.39
3	Clayey	418356	63.67

(Source : NBSS & LUP)

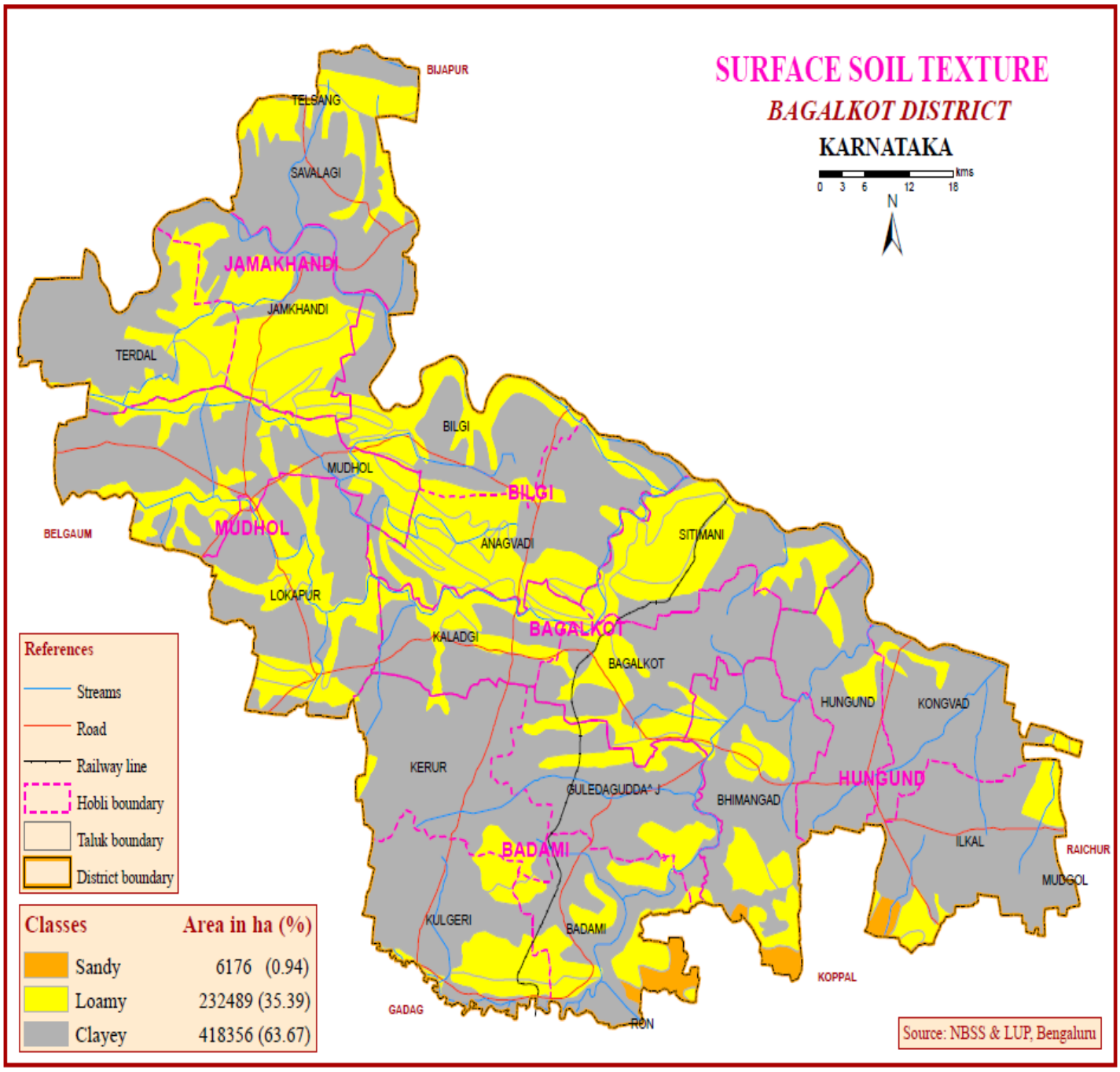


Figure 1-6 : Surface Soil Texture of Bagalkot District

1.6.1. Soil Erosion

Soil erosion is a naturally occurring process that affects all landforms. In agriculture, soil erosion refers to the wearing away of a field's topsoil by the natural physical forces of water and wind or through forces associated with farming activities such as tillage.

Erosion, whether it is by water, wind or tillage, involves three distinct actions – soil detachment, movement and deposition. Topsoil, which is high in organic matter, fertility and soil life, is relocated elsewhere "on-site" where it builds up over time or is carried "off-site" where it fills in drainage channels. Soil erosion reduces cropland productivity and contributes to the pollution of adjacent watercourses, wetlands and lakes.

Soil erosion can be a slow process that continues relatively unnoticed or can occur at an alarming rate, causing serious loss of topsoil. Soil compaction, low organic matter, loss of soil structure, poor internal drainage, salinisation and soil acidity problems are other serious soil degradation conditions that can accelerate the soil erosion process.

The greater the intensity and duration of a rainstorm, the higher the erosion potential. The impact of raindrops on the soil surface can break down soil aggregates and disperse the aggregate material. Lighter aggregate materials such as very fine sand, silt, clay and organic matter are easily removed by the raindrop splash and runoff water; greater raindrop energy or runoff amounts are required to move larger sand and gravel particles.

Soil movement by rainfall (raindrop splash) is usually greatest and most noticeable during short-duration, high-intensity thunderstorms. Although the erosion caused by long-lasting and less-intense storms is not usually as spectacular or noticeable as that produced during thunderstorms, the amount of soil loss can be significant, especially when compounded over time.

Table1-15 :Soil Erosion in Bagalkot District

Sl.No.	Clasees	Area in Ha	%
1	Nil of Slight	78834	12.0
2	Moderate	396128	60.29
3	Severe	182059	27.71

(Source : NBSS & LUP)

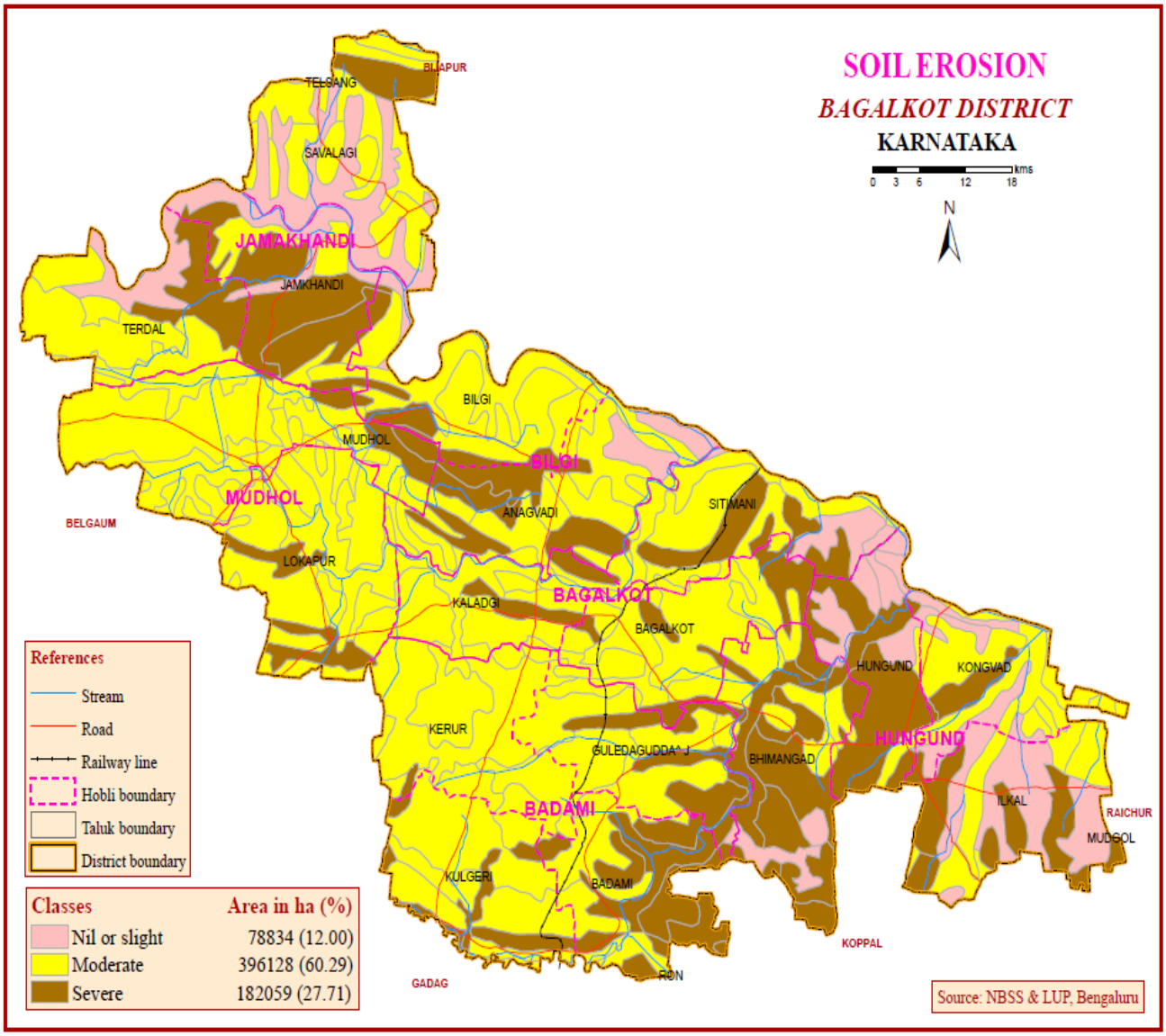


Figure 1-7 : Soil Erosion of Bagalkot District

1.6.1. Drainage:

In geomorphology, a drainage system is the pattern formed by the streams, rivers, and lakes in a particular drainage basin. They are governed by the topography of the land,whether a particular region is dominated by hard or soft rocks, and the gradient of the land.Geomorphologists and hydrologists often view streams as being part of drainage basins. A drainage basin is the topographic region from which a stream receives runoff, through flow, and groundwater flow. Drainage basins are divided from each other by topographic barriers called a watershed. A watershed represents all of the stream tributaries that flow to some
location along the stream channel. The number, size, and shape of the drainage basins found.

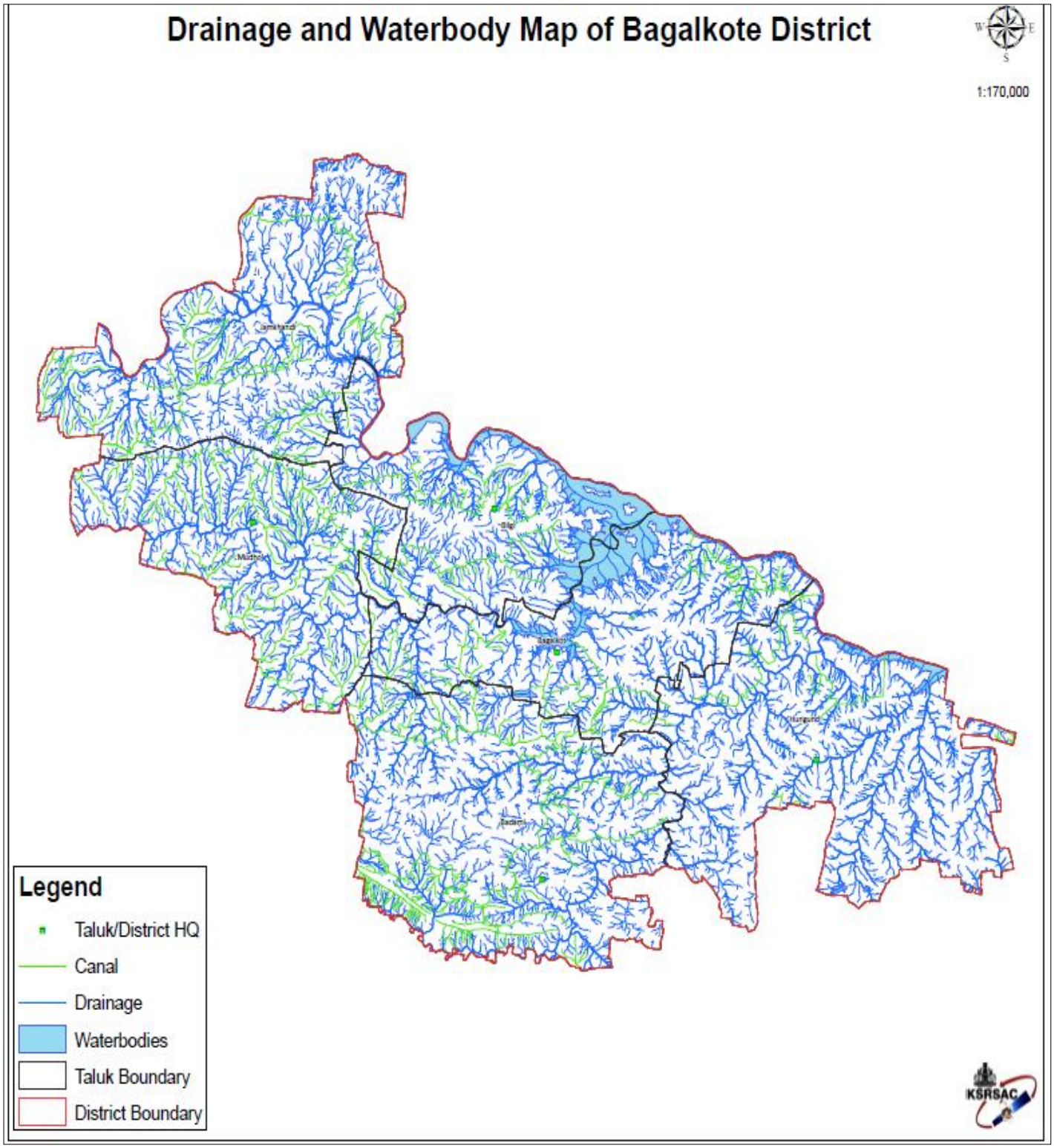


Figure 1-8 : Drainage and water body map of Bagalkot District

1.7. Land Use Pattern

1.7.1 .Concept of Land Use

Land use is a function of four variables, land, water, air and man, each plays in its own role in composing its life history. Land constitutes its body, water runs through its veins like blood, air gives it oxygen and man acts as the dynamic actor to reflect its types, pattern and distribution. Land varies in altitudes, forms and expressions. Man has played his part on land to portray the different phases of his ties with it. The Homo-sapiens moved from one topography to another where climate, flora and fauna also changed. He used land, flora and fauna to fit his limited wants. Men multiplied, their wants increased and become complex, the uses of land also increased, methods and technology also changed. Man was making his own map on the face of the earth to portray his link, adaptation, creation and destruction. Man has cleared the forest for shifting (Jhum) cultivation. He then used the land for large-scale farming, small-scale farming, intensive farming, mixed farming, dry farming, etc. He has used the land for one crop or another is a minor land use problem, but to use each plot of land for the right cultivation under optimum conditions to obtain optimum yield is a significant problem. Man has learnt the use of grasslands, semi-arid and arid lands to his own advantage by applying improved methodology and utilization of his accomplishments.

Over a period, geographic pattern of agricultural landuse are the outcome of concurrent interaction between the variable combinations of natural condition and human circumstances. Primarily, these are influenced by natural condition and thereafter affected by human circumstances because of their colonizing capability. The human circumstances are mainly responsible

for dynamism in agriculture landuse or changing cropland occupancy. Therefore, efficient cropland occupancy, say cropping pattern, implies the most successful use of agriculture land, consequent upon development of irrigation facilities and application of modern methods of farm technology. The key to the most important aspect of land use lies in the relation of population to land. The crux of the review, therefore, refers to the study of the problems in use of land by man. According to R.H. Best, the term land use deals with the spatial aspects of human activities on the Land and with the way in which the land surface is adapted or could be adapted, to serve human needs. This leads one back to the village farm and farmer, to the fields, gardens, pastures, fallow land, forest and to the isolated farmstead (Freeman, 1960). The land use shifts from agricultural uses to residential, industrial, transportation, neighborhood retail and service activities due to urbanization. A true nature of these dynamic qualities in land use emerges from a historical survey designed to reveal the successive development of inherent characteristics of land because 'some changes are short lived whereas others represent a more constant demand' (Jackson, 1963).

1.7.2. Land Use Classification

The conservation and development of land resource is in area needs special focus. It needs well thought and rational planning, which in turn depends upon minute observation of land use pattern. The aim of this study is clear visualization of local land environment. The intense and focused study of the details of land use puts us in a position to conserve the important elements of the nature, which otherwise lead in a direction of destruction and consequently threaten the social strata. The present study focuses mainly on dimension, which

is very important from the sustainability point of view that is distribution of different groups of land use, i.e. their ratios in the region. Therefore, it becomes very complex and diversified to study all the groups available at micro-level, homogenous groups are generalized to reduce the number of

groups, and these simplified groups of land use are called generalized land use classification.

World Land Use Classification mainly recognizes nine categories. These are Settlement and Associated Non Agricultural Land, Horticulture, Tree and Permanent Crops, Crop Land, Improved Permanent Pasture, Improved Grazing Land, Wood Land, Swamps and Marshes, Unproductive Land.

In India, a standard classification system is yet to develop. National Atlas and the land use classification presented by All India Soil and Land Use Survey 1970 is as follows:

1) Forest Land (F) F1 Without Canopy F2 Sparse Forest F3 General Forest F4 Fully Stocked Top Canopy
2) Cultivated land (CC) C1 Single Cropped C2 Double Cropped C3 Triple Cropped.
3) Terraced Land (T) T1 Poorly Bounded Land T2 Poor Terracing Measures T3 Bench Terraces.
4) Waste Land (W) W1 Fit for Cultivation W2 Unfit for Cultivation.
5) Pasture Land (P) P Pasture and Grazing Land H Hay Land When the Grass Periodically Cut P1 With Young Shrubs P2 With Well Grows Shrubs T Thorny Lands and Heavy Canopy Shrubs.

Land use classification by Statistical Department of Government of India.

I. Geographical Area - Area calculated by Survey Department.

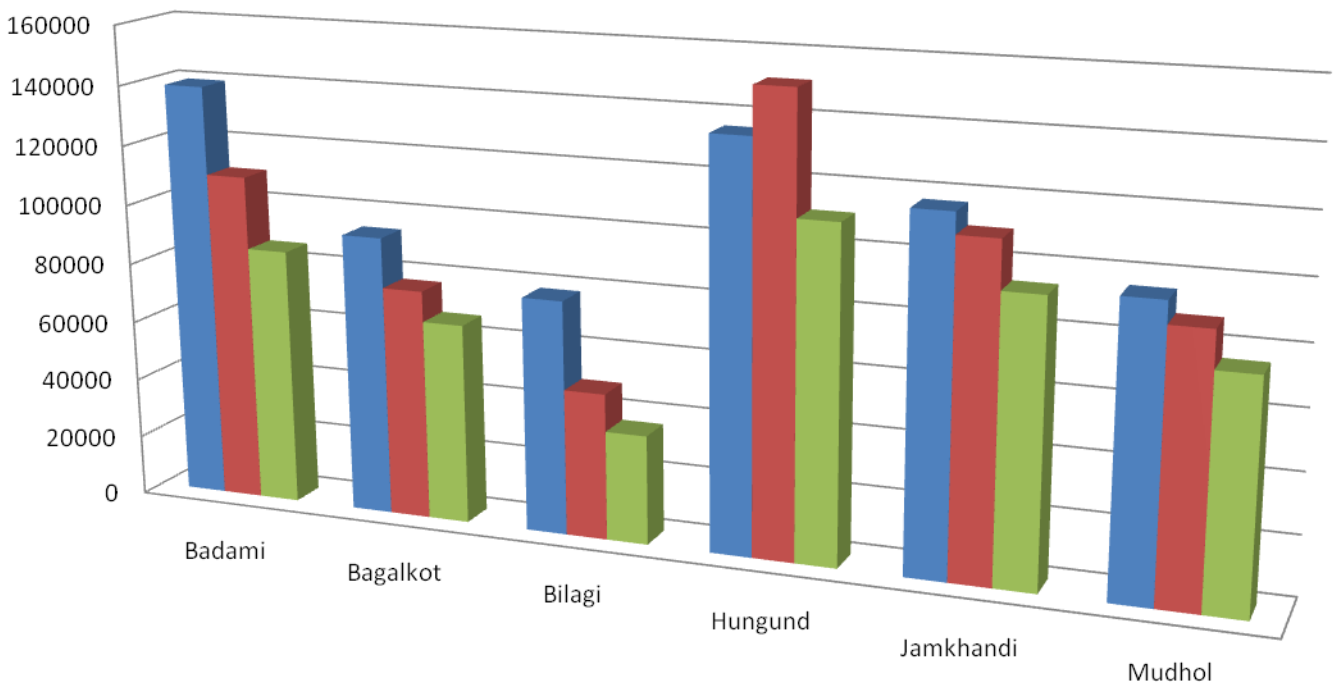
II. Reported Area (Statistical area related to land use)

1. Forest .
2. Land not Available for Cultivation .
   a) Land Put to Non- Agricultural Use.
   b) Barren and Uncultivable Land.
3. Other Uncultivable and excluding Fallow Land.
   a) Permanent Pastures and Other Grazing Land.
   b) Miscellaneous Tree Crops and Gardens.
   c) Cultivable Waste Land.
4. Fallow land
   a) Fallow other than current
   b) Current fallow
4. Cultivated Land
   a) Net Sown Area,
   b) Area Sown More Than Once.

Table 1-16 :Land Use Pattern of Bagalkot District

Sl. No.	Name of the Block	No. of the Villages covered	Total Geographical Area	Area under Agriculture				Area under Forest	Area not available for Cultivation	Other Uncultivated Land	Fallow land
				Gross Cropped Area(1)	Net Sown Area(2)	Area Sown More than once (1-2)	Cropping Intensity (%)				
1	Badami	149	139420	110153	86107	24046	127.9	31263	13211	1427	7412
2	Bagalkot	95	93627	76992	66894	10098	115.1	11611	6152	264	8706
3	Bilagi	63	78169	48811	36403	12408	134.1	11761	8825	167	21013
4	Hungund	162	135358	151108	110910	40198	136.2	9792	11879	1169	1608
5	Jamkhandi	71	116853	109752	93834	15918	117.0	11410	7107	1832	2670
6	Mudhol	79	95450	88049	75711	12338	116.3	5289	6468	879	7103
	Total	**619**	**658877**	**584865**	469859	115006	124.5	**81126**	**53642**	**5738**	48512

(Source : Bagalkot District at a glance 2014-15)



	Badami	Bagalkot	Bilagi	Hungund	Jamkhandi	Mudhol
Geographical Area	139420	93627	78169	135358	116853	95450
Gross Cropped Area	110153	76992	48811	151108	109752	88049
Net Sown Area	86107	66894	36403	110910	93834	75711

Graph 2-1 : Block wise Geographical Area, Gross Cropped Area and Net Sown Area

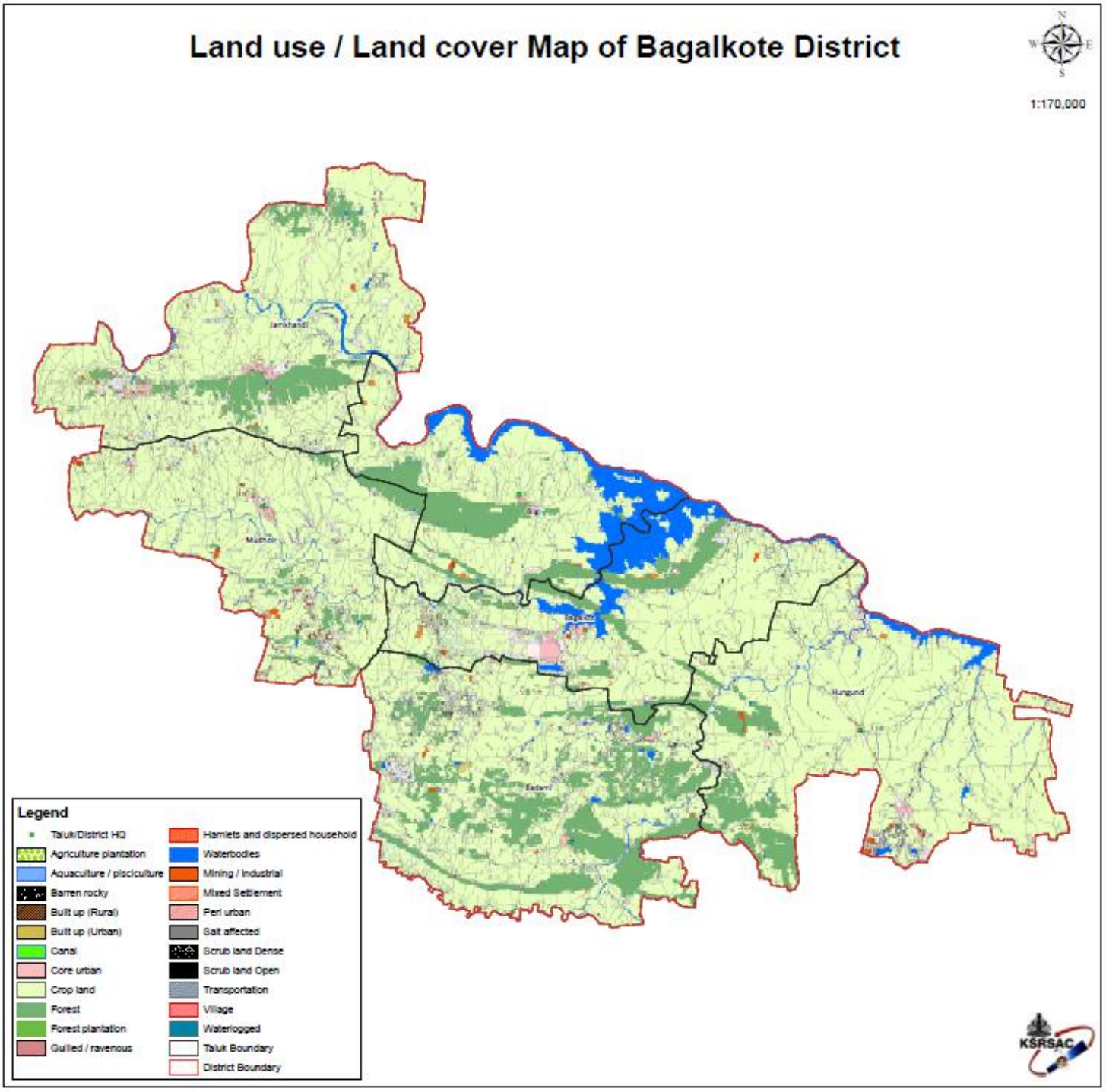


Figure 1-9 : Land use / Land cover map of Bagalkot District

Chapter-2

District Water Profile

Irrigation is the artificial application of water to the land of soil. It is used to assist in the growing of agriculture crops, maintainance of landscapes, and revegetation of disturbed soils in dry areas and during periods of inadequate rainfall.There is a great necessity of irrigation in Indian Agriculture. India ha a great diversity and variety of climate and weather conditions. These conditions range from extreme of heat to extreme of cold and from extreme dryness to excessive rainfall. Due to some reasons irrigation is needed in Indian agriculture.

- Uncertainity of Mansoon rainfall both in time and place.
- Irregularity in distribution of rainfall throughout the year.
- Excessive rainfall causing flood.
- Draught is an annual event in some areas.
- India is land of Rabi crops. But there is not rainfall in winter months.
- Some soils need more water.
- Introduction of H.Y.V. seeds and multiple cropping need water throughout the year.
- The types of Irrigation mainly practiced in India are :
  - Tanks, Well (Dugwell, Tubewell) and Canal.

Crop Water Requirement

Crop water requirement is the water required by the plants for its survival, growth, development and to produce economic parts. This requirement is applied either naturally by precipitation or artificially by irrigation. Hence, the crop water requirement includes all losses like : a) Transpiration loss through leaves (T), b)

Evaporation loss through soil surface in cropped area (E), c) Ammount of water used by plants (WP) for its metabolic activities which estimated as less than 1% of the total water absorption. These three components cannot be separated so easily. Hence, the ET loss is taken as crop water use or crop water consumptive use. d) Other application losses are conveyance loss, percolation loss, runoff loss, etc., (WL), e) The awter required for special purposes (WSP) like puddling operation, ploughing operation, land preparation, leaching, requirement for the purpose of weeding, for dissolving fertilizer and chemical, etc. Hence the water requirement is symbolically represented as:

WR= T+ E + WP + WL + WSP

(The other application losses and special purposes are mostly indented for wet land cultivation. Hence for irrigated dry land crops the ET loss alone is accounted for crop water requirement). The estimation of the water requirement of crops are one of the basic needs for crop planning on the farm and for the planning of nay irrigation project.

2.1. Area wise , Crop wise Irrigation Status.

Irrigation is perhaps the most important input in the agriculture production process and plays a key role. The other key inputs namely, seed and fertilizer cease to realize their full benefit unless combined with irrigation. Also in an economy where the supply of land is highly inelastic and the net sown area growth has leveled off, the future growth of agriculture is heavily dependent on intensive cultivation of the existing land. Irrigation greatly facilitates this by enabling farmers to grow multiple crops on the same plot of land across different agricultural seasons.

Season wise total area coverage of the Bagalkot District is 2,22,544 ha 3,02,589 ha and 33,723 ha in Kharif, Rabi and Summer seaon respectively. Total area coverage by Agricultural crops is 5,58,856 ha. Area covered by Horticultural crops is 26,009 ha.

Among the total area coverage, crops grown under irrigation is 3,23,405 ha (55.3%) where as area covered under Rain fed is about 2,61,460 ha (44.7%)

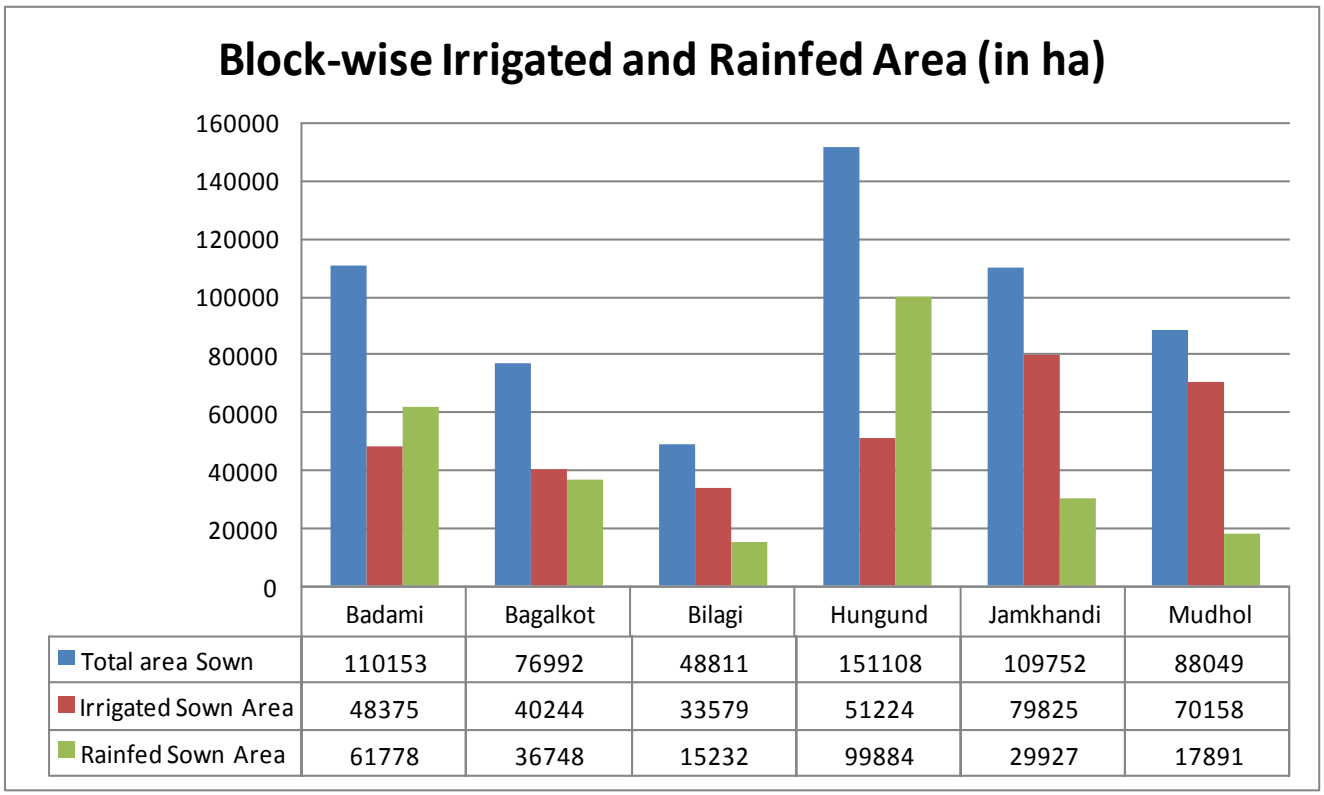
In the District Major area the major area covered under Irrigation is Sugarcane i.e. 127536 ha (39.4%), followed by Cereals crops about 1,01,705 ha (31.5%), Oilseeds about 46,265 ha (14.3%) and Pulses about 28,598 ha (8.8%).

Under rain fed condition cereals and coarse cereals are covering major area accounting about 1,23,087 ha (47.1%), followed by pulses about 93,915 ha (35.9%) and oilseeds about 33,673 ha (12.9%).

Table 2-1 : Block-wise Irrigated and Rainfed Area

Sl. No.	Name of the Block	Total Sown Area	Irrigated Sown Area		Rainfed Sown Area	
			Area	%	Area	%
1	Badami	110153	48375	43.9	61778	56.1
2	Bagalkot	76992	40244	52.3	36748	47.7
3	Bilagi	48811	33579	68.8	15232	31.2
4	Hungund	151108	51224	33.9	99884	66.1
5	Jamkhandi	109752	79825	72.7	29927	27.3
6	Mudhol	88049	70158	79.7	17891	20.3
	Total	584865	323405	55.3	261460	44.7

(Source : Department of Agriculture, Bagalkot)



	Badami	Bagalkot	Bilagi	Hungund	Jamkhandi	Mudhol
Total area Sown	110153	76992	48811	151108	109752	88049
Irrigated Sown Area	48375	40244	33579	51224	79825	70158
Rainfed Sown Area	61778	36748	15232	99884	29927	17891

Graph 2-2: Block-wise Irrigated and Rainfed Area

2.2 Production and Productivity of Major crops

Table 2-2: Production and Productivity of major Crops

Name of the Block	Crop Sown						Rainfed			Irrigated			Total	
	Cereals	Coarse Cereals	Pulses	Oilseeds	Fibre Crops	Any other crops	Area (ha)	Production (tn/yr)	Productivity or Yield (kgs/ha)	Area (ha)	Production (tn/yr)	Productivity or Yield (kgs/ha)	Production (tn/yr)	Productivity or Yield (kgs/ha)
Kharif Season														
Badami	20303	10025	8515	2003	1100	7400	22664	17817	786.1	26682	53230	1995.0	71047	1439.8
Bagalkot	4870	4451	8994	1731	118	4119	12713	4133	325.1	11570	13506	1167.4	17639	726.4
Bilagi	3125	1825	825	960	0	12590	2100	1042	496.2	17225	14519	842.9	15561	805.2
Hungund	2613	642	12319	10652	40	1351	18168	12173	670.0	9449	8890	940.8	21063	762.7
Jamkhandi	11655	2279	3746	2256	0	36344	7330	4206	573.8	48950	53922	1101.6	58129	1032.8
Mudhol	4700	296	565	1659	166	38307	757	329.38	435.1	44936	17316.1	385.4	17645.52	386.2
Total	47266	19518	34964	19261	1424	100111	63732	39700	622.9	158812	161384	1016.2	201084	903.6
Rabi Season														
Badami	27061	0	8207	8010	20	1000	34684	28570	823.7	9794	13819	1411.0	42389	953.0
Bagalkot	26676	0	13834	2832	0	500	22435	27161	1210.6	21407	9206	430.1	36367	829.5
Bilagi	11900	0	4310	1363	0	3300	12757	6808	533.7	8116	13373	1647.7	20181	966.8
Hungund	38639	0	49473	19964	0	70	77336	107888	1395.1	30810	9411	305.5	117299	1084.6
Jamkhandi	31769	0	6000	1170	0	8050	22597	7892	349.3	24392	62851	2576.7	70743	1505.5
Mudhol	21582	0	5225	669	10	10775	17134	4210.773	245.8	21127	46103.9	2182.2	50314.671	1315.0
Total	157627	0	87049	34008	30	23695	185443	182530	984.3	117146	154765	1321.1	337295	1114.7

Name of the Block	Crop Sown						Rainfed			Irrigated			Total	
	Cereals	Coarse Cereals	Pulses	Oilseeds	Fibre Crops	Any other crops	Area (ha)	Production (tn/yr)	Productivity or Yield (kgs/ha)	Area (ha)	Production (tn/yr)	Productivity or Yield (kgs/ha)	Production (tn/yr)	Productivity or Yield (kgs/ha)
Summer Season														
Badami	317	0	20	9317	0	150	0	0	0.0	9804	11314	1154.0	11314	1154.0
Bagalkot	597	0	207	4800	0	450	0	0	0.0	6054	5836	964.0	5836	964.0
Bilagi	417	0	97	6023	0	450	0	0		6987	9436	1350.5	9436	1350.5
Hungund	213	0	84	4317	0	70	0	0	0.0	4684	5183	1106.5	5183	1106.5
Jamkhandi	747	0	32	1028	0	1410	0	0	0.0	3217	3080	957.6	3080	957.6
Mudhol	533	0	60	1184	0	1200	0	0	0.0	2977	2556	858.5	2556	858.5
Total	2824	0	500	26669	0	3730	0	0		33723	37404	1109.2	37404	1109.2
Horticultural & Plantation														
Badami	0	0	0	0	0	6525	4430	79740	18000.0	2095	33390	15937.9	113130	17337.9
Bagalkot	0	0	0	0	0	2813	1600	21760	13600.0	1213	13878	11441.1	35638	12669.0
Bilagi	0	0	0	0	0	1626	375	5325	14200.0	1251	22100	17665.9	27425	16866.5
Hungund	0	0	0	0	0	1626	375	5325	14200.0	1251	22100	17665.9	27425	16866.5
Jamkhandi	0	0	0	0	0	3266	0	0	0.0	3266	46194	14143.9	46194	14143.9
Mudhol	0	0	0	0	0	1118	0	0	0.0	1118	14574	13035.8	14574	13035.8
Total	0	0	0	0	0	26009	10785	147295	13657.4	15224	231027	15175.2	378322	14545.8
Grand Total	207717	19518	122513	79938	1454	153545	261460	369525	1413.3	323405	584581	1807.6	954105	1631.3

(Source : CDAP, Bagalkot)

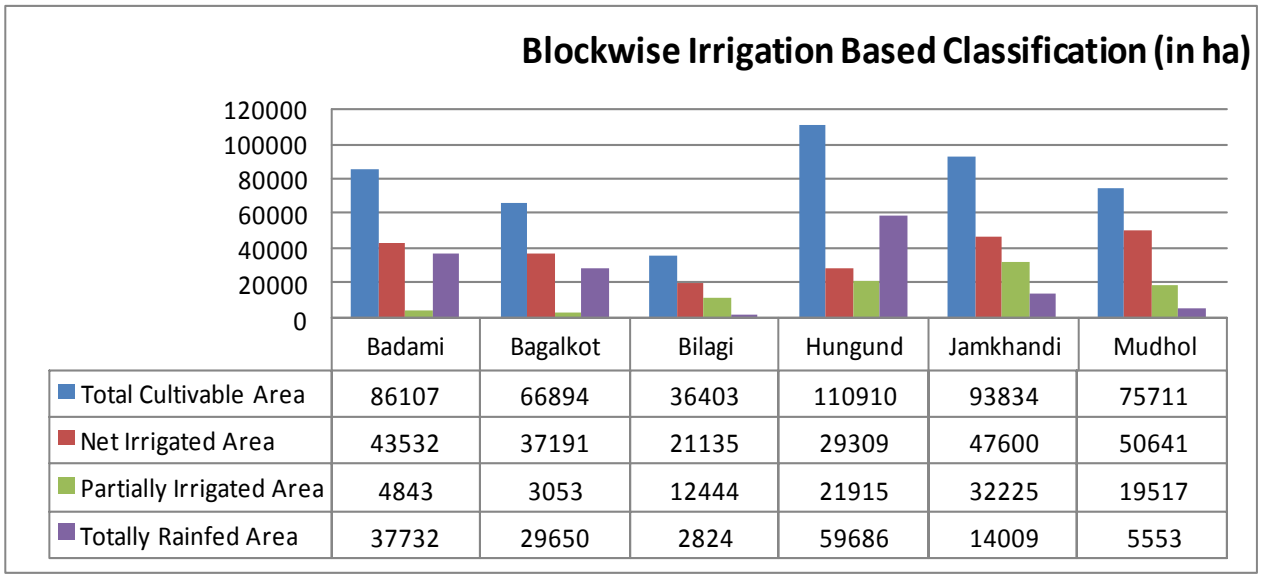
2.3.. Irrigation Based Classification

In the District total cultivable area is 4,69,859 ha. Among cultivable area net Irrigated area is 2,29,408 ha, remaining area is under Rainfed. The area covered by partial /protective irrigation among the total rainfed area is 93,997 ha. The remaining area i.e.1,49,454 ha is totally rainfed area.

Table 2-3:Blockwise Irrigation Based Classification

Block	Total Cultivable Area (ha)	Irrigated Area (In ha)		Rainfed Area (In ha)	
		Gross Irrigated Area	Net Irrigated Area (Major & Minor Irrigation)	Partially Irrigated/ Protective Irrigation (Ground water & Other Sources)	Un-Irrigated or Totally Rainfed
Badami	86107	43532	43532	4843	37732
Bagalkot	66894	37191	37191	3053	29650
Bilagi	36403	21135	21135	12444	2824
Hungund	110910	29309	29309	21915	59686
Jamkhandi	93834	47600	47600	32225	14009
Mudhol	75711	50641	50641	19517	5553
Total	469859	229408	229408	93997	149454

(Source : Major & Minor irrigation Department & Agriculture dapartment)



Graph 3-1 : Blockwise Irrigation Based Classification

Chapter -3
Water Availability

3.1 Status of water Availability

The availability of water in the district in computed both for surface water and Ground water separately. Surface water available in the district mainly includes,

- Major irrigation canals namely, Ghataprabha Project, Malaprabha Project and UKP Project
- Monor irrigation tanks and water harvesting structures
- Lift Irrigations and Diversions
- Various water bodies including rain water harvesting structures
- Water lifting from Rivers through individual pumpsets

Water is lifted by pumpsets from rivers when the water is available in the rivers . Permission is given to lift the water from rivers for the period of 8 months in a year. The major crop grown by lifting the water from river is Sugarcane crop . The water demand of the Sugarcane crop is more. i.e. 2000 mm. Based on techniques total water lifted from by individual pump sets is calculated.

Table 3-1:Block wise water available for lifting from rivers by individual pump sets

Sl. No.	Name of the Block	Area for which water permission is given (ha)	Total water available (BCM)
1	Badami	97.57	0.00130
2	Bagalkot	931	0.01241
3	Bilagi	7215.41	0.09618
4	Hungund	0	0.00000
5	Jamkhandi	17687.52	0.23577
6	Mudhol	2873.52	0.03830
	Total	28805.02	0.38397

(Source : Major Irrigation Department)

Table 3-2 : Source wise Water Availability (in BCM)

Sl. No.	Sources	Badami	Bagalkot	Bilagi	Hungund	Jamkhandi	Mudhol	Total
I	Surface Irrigation							
1	GLBC Project	0.00000	0.00000	0.14733	0.00000	0.26533	0.19434	0.60700
2	GRBC Project	0.10763	0.15226	0.00000	0.00560	0.00000	0.18951	0.45500
3	MLBC Project	0.20000	0.00000	0.00000	0.00000	0.00000	0.00000	0.20000
4	Hipparagi LIS	0.00000	0.00000	0.00000	0.00000	0.03600	0.00000	0.03600
5	Tubachi-Babaleshwar LIS	0.00000	0.00000	0.00000	0.00000	0.02200	0.00000	0.02200
6	Upper Krishna Project	0.03777	0.08827	0.02210	0.29520	0.03606	0.00000	0.47940
7	Minor Irrigation tanks	0.01110	0.00765	0.00147	0.01812	0.00916	0.00410	0.05160
8	Lift Irrigation /Diversions	0.00331	0.01252	0.00283	0.00240	0.00380	0.00000	0.02486
9	Various Water Harvesting Bodies	0.00525	0.00525	0.00289	0.01407	0.00072	0.02929	0.05747
10	Water lifting through individual pump sets from Rivers	0.00130	0.01241	0.09618	0.00000	0.23577	0.03830	0.38396
	Total Surface water	**0.36636**	**0.27836**	**0.27280**	**0.33539**	**0.60884**	**0.45554**	**2.31729**
II	**Ground Water**	**0.04283**	**0.04116**	**0.05550**	**0.06973**	**0.08684**	**0.09961**	0.39567
	Total Available Water	**0.40919**	**0.31952**	**0.32830**	**0.40512**	**0.69568**	**0.55515**	**2.71296**

(Source: Major Irrigation, Minor Irrigation & Mines & Geology department)

3.2. Status of Ground Water Availability

Ground water is one of the earth's most widely distributed and most important resources. Ground water exists wherever water penetrates beneath the surface, the rocks beneath the surface are permeable enough to transmit this water, and the rate of infiltration is sufficient that the rocks are saturated to an appreciable thickness. The availability of ground water in the Bagalkot district is mainly through bore wells and open wells.

As per the Central Ground Water Board report block-wise status of ground water availability is as follows. The ground water development in the District is

being done by open wells and Bore wells. Ground water is the main source of drinking in the district covering 619 villages. The contribution of ground water for Irrigation comes to nearly 22.1% of the net sown area. The use of ground water for irrigation purpose in non-command area is maximum. The ground water development in the district is mainly for domestic and irrigation purposes. The stage of ground water development is maximum in Badami block ie.,161% and less in Bilagi block ie., 34%. . Total ground water available in the district is about 0.39752 BCM.

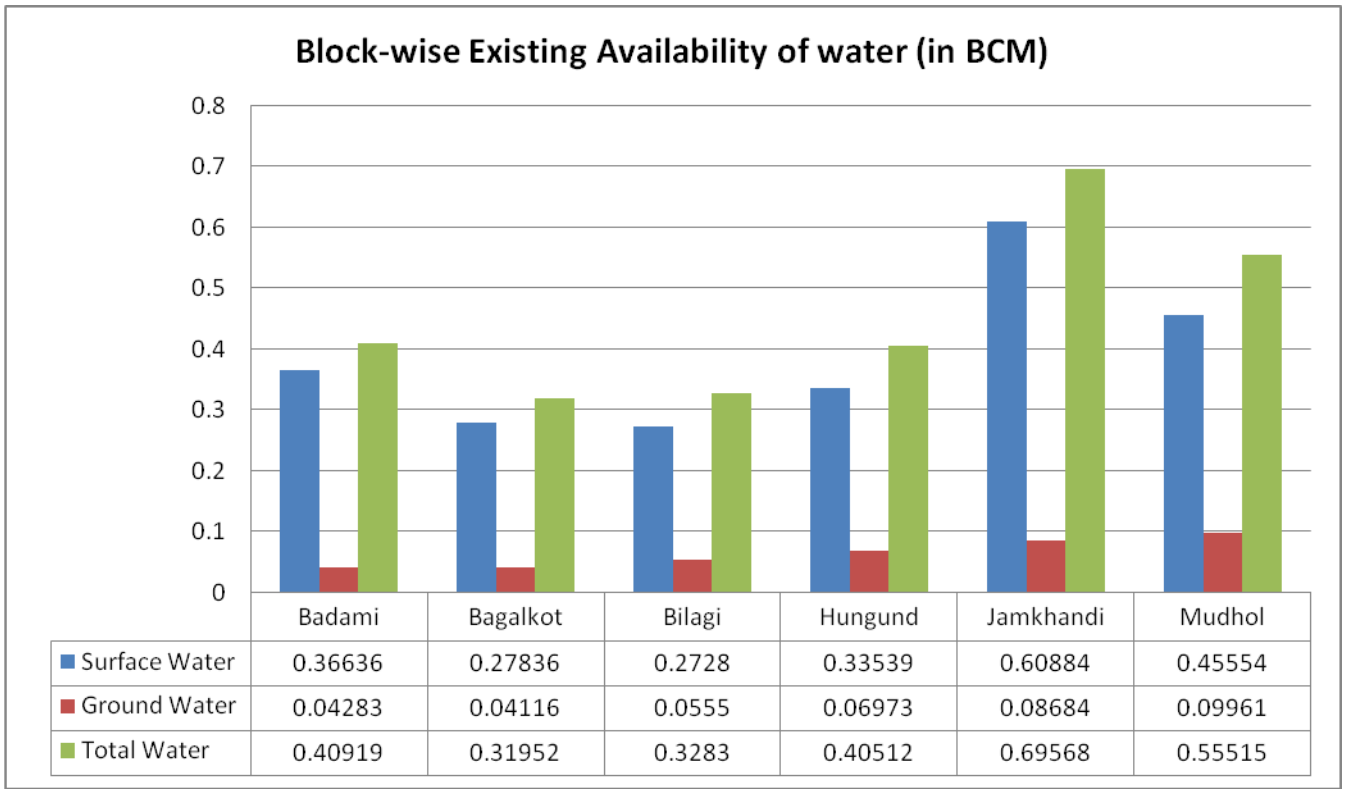
Table 3-3 : Block wise status of Ground water availability

Name of the Block	Status of Block as per Central Ground Water Board Notification			Ground Water (HAM)			Existing Stage of Development
	Critical	Semi-Critical	Safe	Draft	Recharge	Gap	
Badami			1%	6179.77	4284.09	97% OE Area	161%
Bagalkot			5%	6601.46	4116.01	95% OE area	160%
Bilagi			95%	1909.69	5555.31	-	34%
Hungund		40%	10%	6302.23	6973.06	50% OE Area	90%
Jamkhandi	2%		30%	5412.98	8684.34		62%
Mudhol	30%		40%	8795.35	9961.05	30 % OE Area	88%

(Source : Department of Mines & Geology)

Table 3-4 :Block-wise Existing Water Availability (in BCM)

Sl. No.	Block	Surface Water	Ground Water	Total
1	Badami	0.36636	0.04283	0.40919
2	Bagalkot	0.27836	0.04116	0.31952
3	Bilagi	0.27280	0.05550	0.32830
4	Hungund	0.33539	0.06973	0.40512
5	Jamkhandi	0.60884	0.08684	0.69568
6	Mudhol	0.45554	0.09961	0.55515
	Total	2.31729	0.39567	2.71296



Graph 3-2 : Block-wise Existing Availability of water

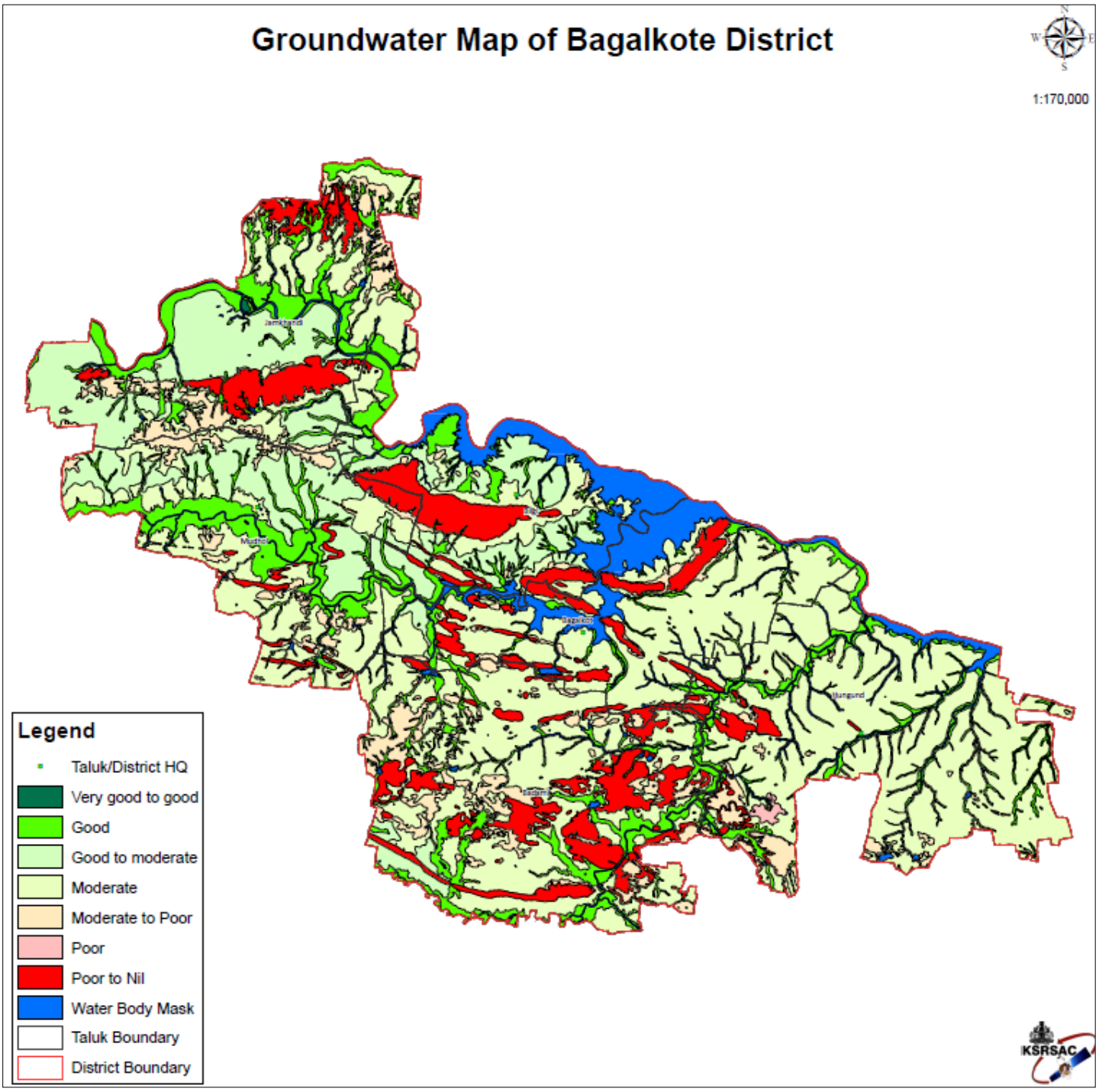


Figure 3-1 : Ground water status of Bagalkot District

3.3 Status of Command Area

The developed command area is maximum in Mudhol block followed by Jamkhandi and Badami blocks

Table 3-5 : Block wise Status of Command Area in District.

Name of the Block	Name of the Projects	Information of Canal Command			Information on other Services Command			Total Area	
		Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Developed Command	Undeveloped Command
Badami	GRBC, MLBC, & UKP	45875	33942	11933	0	0	0	33942	11933
Bagalkot	GRBC & UKP	33265	20125	13140	0	0	0	20125	13140
Bilagi	GLBC & UKP	22170	20338	1832	0	0	0	20338	1832
Hungund	GRBC & UKP	47596	22830	24766	0	0	0	22830	24766
Jamkhandi	GLBC, Hipparagi & UKP	47265	36514	10752	0	0	0	36514	10752
Mudhol	GLBC & GRBC	48567	36635	11932	0	0	0	36635	11932
Total		244738	170382	74355	0	0	0	170382	74355

(Source : Department of Major Irrigation)

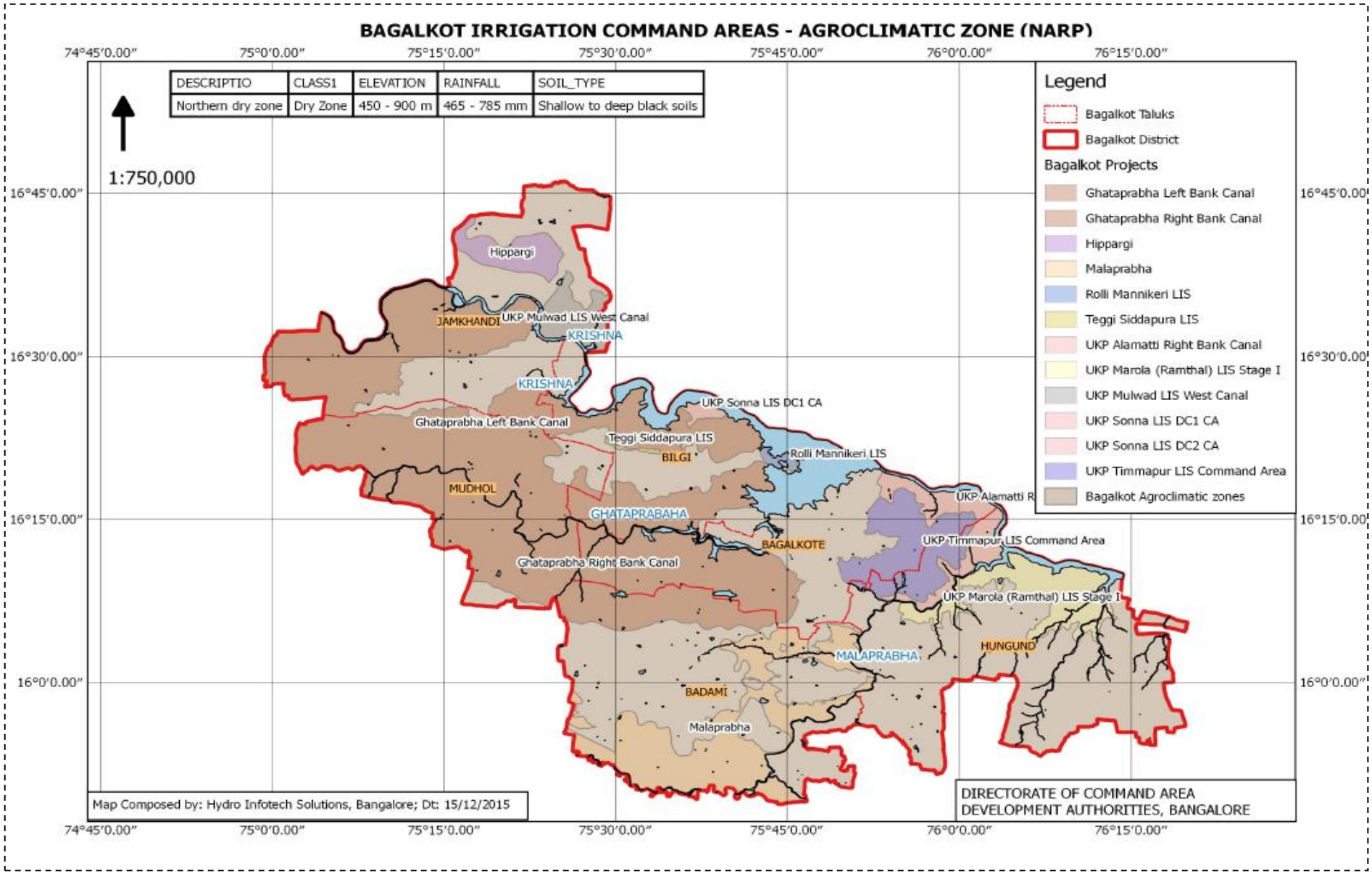


Figure 3-2 : Irrigation Command Areas of Bagalkot District

3.4. Existing type of Irrigation

Table 3-6 : Block wise, Source wise Existing type of Irrigation

Name of the Block	Surface Irrigation (1)					Ground Water (2)						Other Sources including Traditional WHS (3)	Treated effluent discharged from STP	Water extraction devices / Lift			Total	
	Canal Based		Tanks / Ponds / Reservoirs			Tube Wells		Open Wells		Bore well				Electricity Pump (4)	Diesel pumps (5)	Others (6)	Irrigation Sources (ha) (1+2+3)	Water Extracting Units (numbers)(4+5+6)
	Govt. Canal	Community/Pvt Canal	Community ponds including small	Individual / Pvt Ponds	Govt. Reservoir / Dams (MID tanks)	Govt.	Pvt.	Community / Govt.	Pvt.	Govt.	Pvt.							
Badami	39875	0	0	0	3657	0	0	0	188	0	25768	2598	0	12935	0	0	72086	12935
Bagalkot	33265	0	0	0	3926	0	0	0	188	0	17453	849	0	10887	0	0	55681	10887
Bilagi	20338	0	0	0	797	0	0	0	681	0	14771	696	0	13258	0	0	37283	13258
Hungund	23538	0	0	0	5771	0	0	0	380	0	5859	3122	0	5967	0	0	38670	5967
Jamkhandi	44251	0	0	0	3349	0	0	0	3766	0	14608	582	0	26212	0	0	66556	26212
Mudhol	48567	0	0	0	2074	0	0	0	1566	0	22493	3972	0	26705	0	0	78672	26705
Total	209834	**0**	**0**	**0**	**19574**	**0**	**0**	**0**	**6769**	**0**	**100952**	**11819**	**0**	**95964**	**0**	**0**	348948	**95964**

(Source : Department Major Irrigation, Minor Irrigation & Mines & Geology dept.)

Chapter -4

Water Requirement / Demand

Water is chemical compound of hydrogen and oxygen which occurs in solid, liquid and gaseous form. Water is essential for every living biological system. The bodies of living beings contain about 90 per cent of water and every physical and biochemical reaction taking place in the body is dependent on the presence of water in one form or another. These all forms are considered to be most useful for existence of life. It is considered to be most important component for the survival of living being next to air. Water is required for multiple uses such as agricultural, domestic, community or industrial use in our life and for each use quality of water differs. To make water available for various purposes we have to know the requirement. This chapter focuses on water demand by various sectors in Bagalkot District.

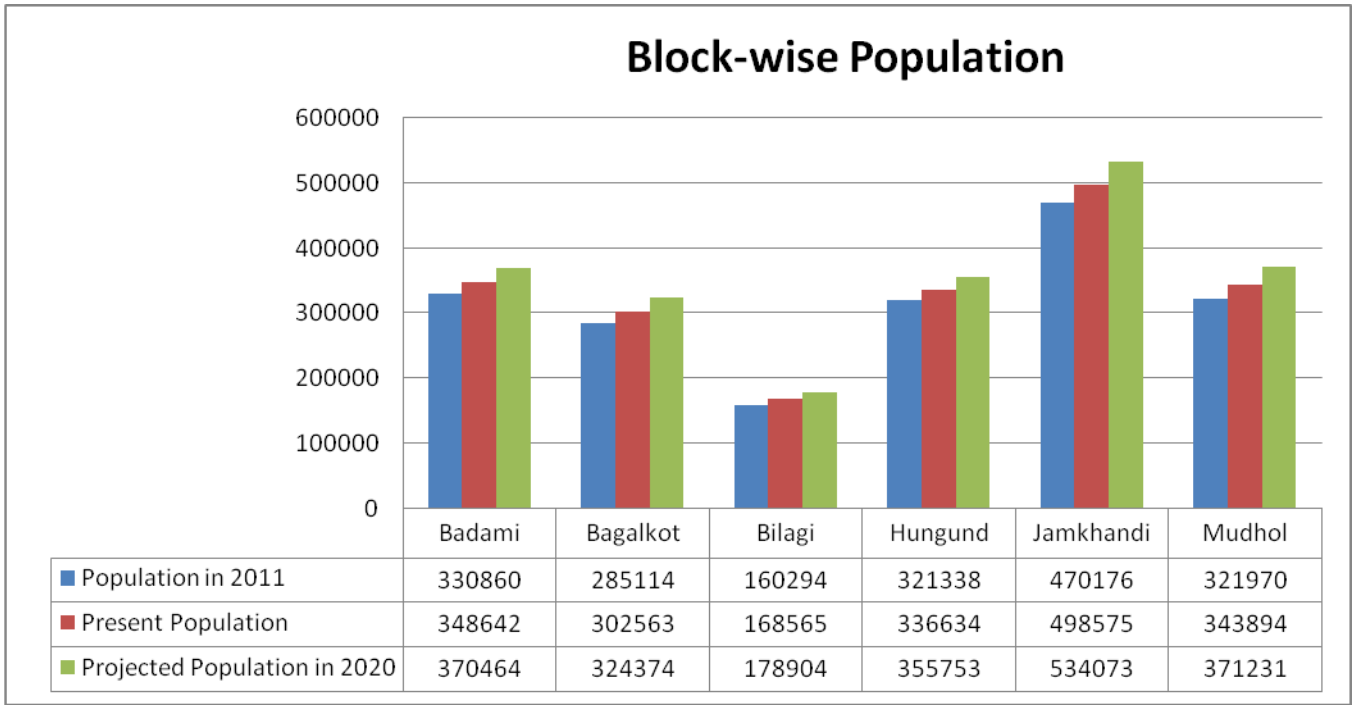
4.1. Domestic Water Demand

According to Froukh the term 'domestic water demand' is the amount of water required for domestic uses. Water demand forecasting is essential to water utilities, both for day-to-day operations and for long-term planning. A number of factors like climate, culture, food habits, work and working conditions, level and type of development, and physiology determine the requirement of water. 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.

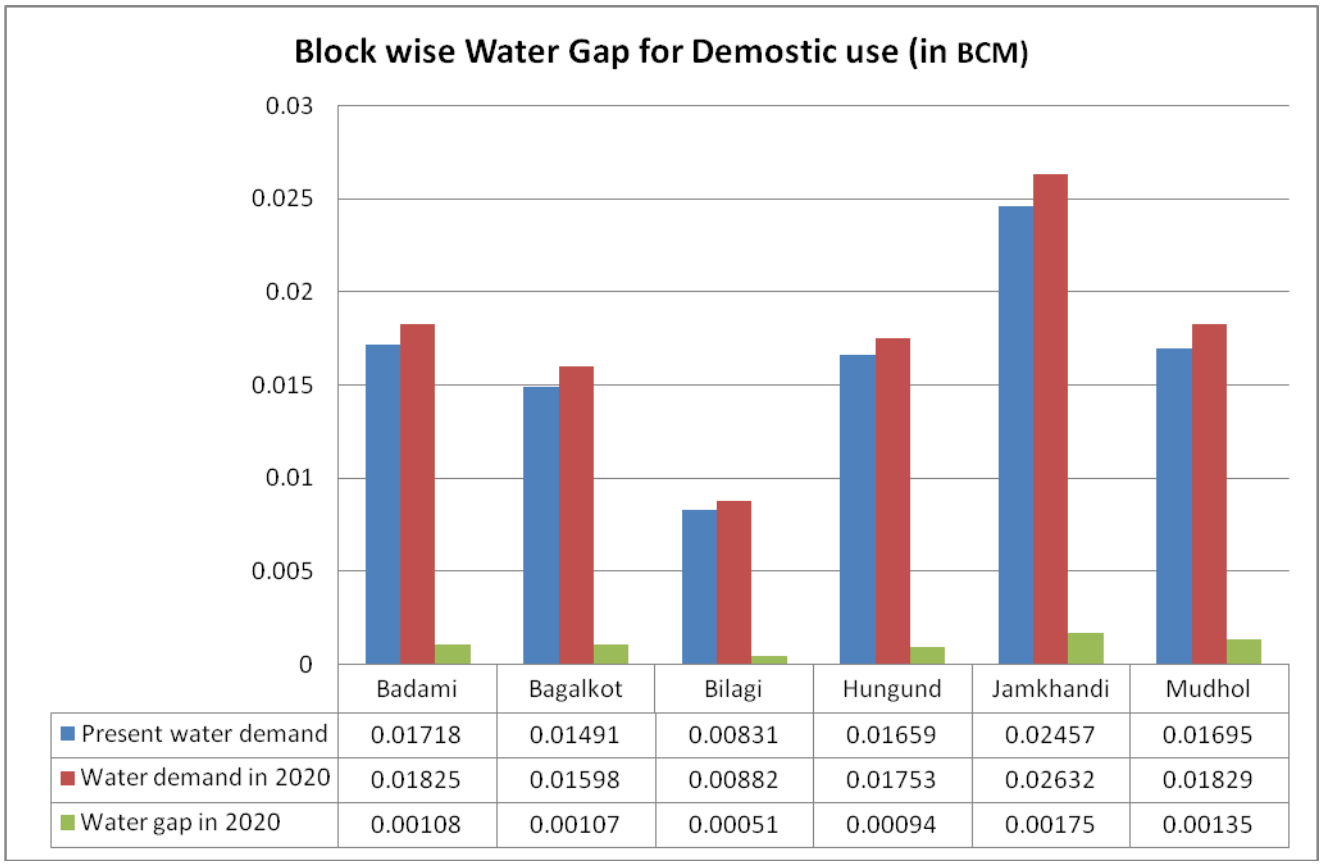
Table 4-1 :Domestic Water Requirement / Demand

Blocks	Population in 2011	Decadal Growth Rate (%)	Population in 2015	Present Water demand (BCM)	Projected population in 2020	Water Demand in 2020 (BCM)	Water Gap in 2020 (BCM)
Badami	330860	13.3	348642	0.01718	370464	0.01825	0.00108
Bagalkot	285114	15.3	302563	0.01491	324374	0.01598	0.00107
Bilagi	160294	12.9	168565	0.00831	178904	0.00882	0.00051
Hungund	321338	11.9	336634	0.01659	355753	0.01753	0.00094
Jamkhandi	470176	15.1	498575	0.02457	534073	0.02632	0.00175
Mudhol	321970	17	343894	0.01695	371231	0.01829	0.00135
Total	1889752	14.4	1998873	0.09849	2134799	0.10519	0.00670

Calculated as 135 litres per person per day.



Graph 4-1 : Block-wise Population



	Badami	Bagalkot	Bilagi	Hungund	Jamkhandi	Mudhol
Present water demand	0.01718	0.01491	0.00831	0.01659	0.02457	0.01695
Water demand in 2020	0.01825	0.01598	0.00882	0.01753	0.02632	0.01829
Water gap in 2020	0.00108	0.00107	0.00051	0.00094	0.00175	0.00135

Graph 4-2 : Block wise Water Gap for Domestic use

Table : 4-2 : Calculation sheet of Domestic Water Consumption

Sl.No.	Use	Consumption in litres per Capita per day
1	Drinking	5
2	Cooking	5
3	Bathing (including abloution)	55
4	Washing Cloths	20
5	Washing of Utentials	10
6	Cleaning of Houses	10
7	Flushing of Laterines	30

	Total	135

(Source: Central Public Health and Environmental Engineering Organization)

Total Population in the Bagalkot District as per Census 2011 is 1889752, and Projected Population in 2020 is 2134799 . Average per capita Domestic water requirement is 135 litres per day. Based on this information Gross water demand for whole District in current is 0.09849 BCM.per annum. The projected water demand in 2020 is 0.10519 BCM per annum. Thus the water gap in 2020 for the Bagalkot District is 0.00670 BCM per annum.

4.2 Crop Water Demand

It is essential to know the water requirement of a crop which is the total quantity of water required from its sowing time up to harvest. Naturally different crops may have different water requirements at different places of the same country, depending upon the climate, type of soil, method of cultivation, effective rain etc. The total water required for crop growth is not uniformly distributed over its entire life span which is also called crop period. Actually, the watering stops same time before harvest and the time duration from the first irrigation during sowing up to the last before harvest is called base period. Though crop period is slightly more than the base period, they do not differ from practical purposes.

The total depth of water required to raise a crop over a unit area of land is usually called delta. The typical values of delta for common crops in Bagalkot region is as follows

Table 4-3 : Crop wise water demand

Sl.No.	Name of the Crop	Water Demand in mm	
		Range	Average
1	Maize	500-750	625
2	Hybrid Jowar	350-450	400
3	Bajra	300-350	325
4	Rabi jowar	350-450	400
5	Wheat	450-650	550
6	Red gram	400-500	450
7	Horse gram	200-300	250
8	Green gram	250-350	30
9	Cowpea	250-350	300
10	Groundnut	450700	575
11	Sunflower	350-400	375
12	Soybean	450-750	550
13	Cotton	500-700	600
14	Sugarcane	1500-2500	2000

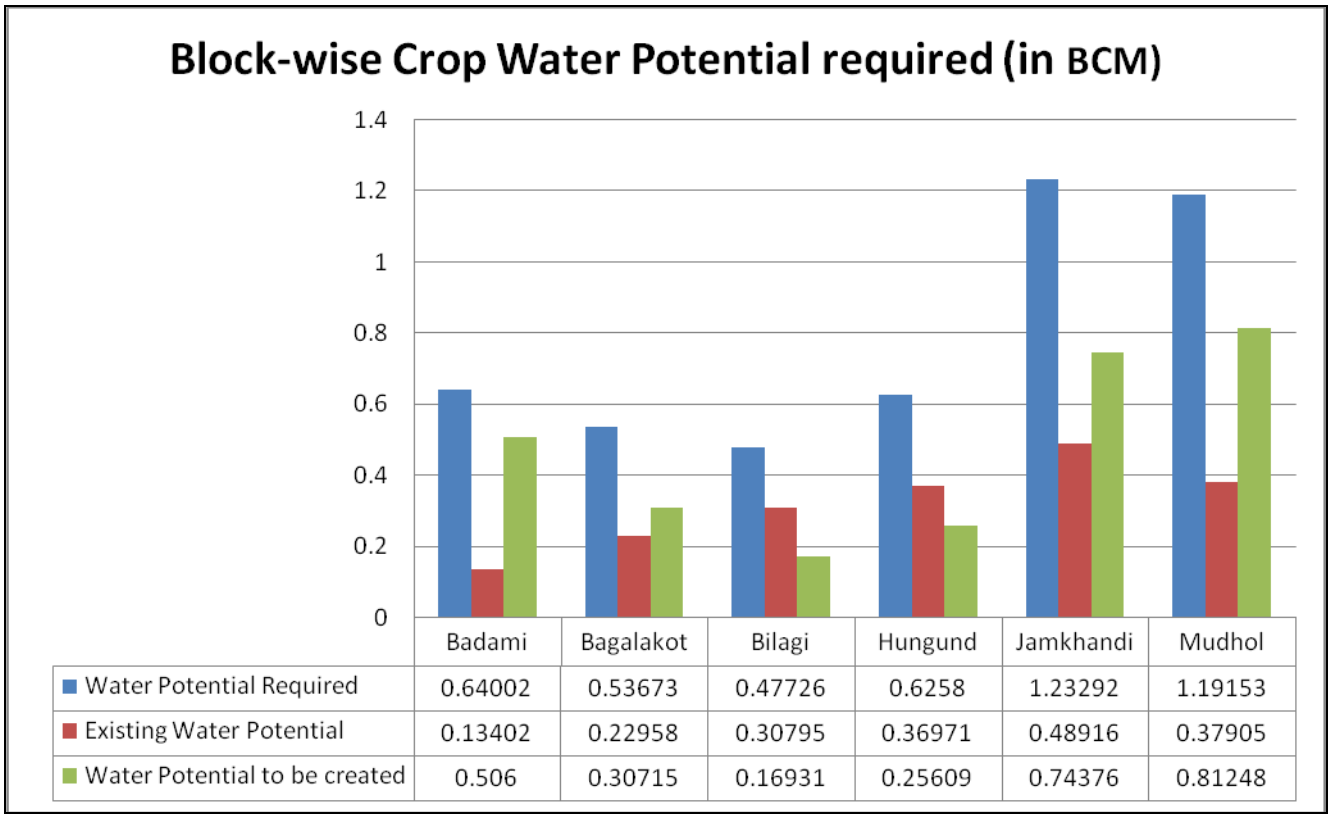
The above information is obtained from University of Agricultural Sciences, Dharwad. Crop water requirement is calculated based on water depth required for each crop and area sown. 54 % of the whole crop water is consumed by Sugarcane crop only. Total crop water demand during 2015 is 4.70426 BCM. Existing water availability is 2.71296 BCM. Hence 1.9913 BCM potential has to be created.

Table 4-4 : Cropwise Crop Water Requirement of the District.

Crops	Area Sown (ha)	Irrigated Area (ha)	Crop Water Demand (mm)	Water Potential Required (BCM)	Existing Water Potential (BCM)	Water Potential to be Created (BCM)
Paddy	28	28	1200	0.00034		
Hy. Jowar	1524	1184	400	0.00610		
Maize	70432	65263	625	0.44020		
Bajra	24940	2443	325	0.08106		
Rabi Jowar	114463	10527	400	0.45785		
Wheat	21699	18998	550	0.11934		
Redgram	6687	155	450	0.03009		
Horse gram	2314	0	250	0.00579		
Greengram	26595	234	275	0.07314		
Cow pea	998	535	300	0.00299		
Moth bean	276	0	250	0.00069		
Black gram	463	0	250	0.00116	2.71296	1.99130
Bengal gram	85180	14710	275	0.23425		
Ground nut	26345	25175	575	0.15148		
Sessamum	124	0	250	0.00031		
Sunflower	47377	10329	375	0.17766		
Niger	101	0	250	0.00025		
Soybean	2900	2761	550	0.01595		
Safflower	931	0	250	0.00233		
Linseed	2080	0	250	0.00520		
Cotton	1634	1634	600	0.00980		
Sugarcane	127536	127536	2000	2.55072		
Horticultural crops	45009	15214	750	0.33757		
Total	**584865**	**323405**		**4.70426**	2.71296	1.99130

Table 4-5 :Blockwise Crop Water Requirement

Block	Area Sown (ha)	Irrigated Sown Area (ha)	Water Potential Required (BCM)	Existing Water Potential (BCM)	Water Potential to be Created (BCM)
Badami	110153	48375	0.64	0.409	0.2308
Bagalkot	76992	40244	0.537	0.32	0.2172
Bilagi	48811	33579	0.477	0.328	0.149
Hungund	151108	51224	0.626	0.405	0.2207
Jamkhandi	109752	79825	1.233	0.696	0.5372
Mudhol	88049	70158	1.192	0.555	0.6364
Total	584865	323405	4.704	2.713	1.9913



Graph 4-3 : Block-wise Crop Water Potential required (BCM)

4.3 . Livestock Water Demand

Global trend in animal production indicates a rapid and massive increase in The consumption of livestock products. It is predicted that meat and milk consumption will grow at 2.8 and 3.3% per annum, respectively, in developing countries like Indiawhere the whole system of rural economy has revolved around livestock production. Providing enough quality water is essential for good livestock husbandry. Water makes up 80% of the blood, regulates body temperature and is vital for organ functions such as digestion, waste removal and the absorption of nutrients. Understanding daily livestock watering needs is key when designing a livestock watering system.

The daily water requirement of livestock varies significantly among animal species. The animal's size and growth stage will have a strong influence on daily water intake. Consumption rates can be affected by environmental and management factors. Air temperature, relative humidity and the level of animal exertion or production level are examples of these factors. The quality of the water, which includes temperature, salinity and impurities affecting taste and odour, will also have an effect. The water content of the animal's diet will influence its drinking habits. Feed with a relatively high moisture content decreases the quantity of drinking water required.

Given that drinking water needs are species-, farm- and management-specific, many producers today are opting to install water-metering equipment to obtain accurate measurements of water use. If medication is ever provided through the livestock's watering system, the meter can be used to ensure proper dose rates.

Following table gives block water demand for livestock for current year and for 2020. Number of livestock as per 2021 census is 1750274. Estimation is

done based on livestock water demand which is different for types of animals. There is Water Potential is to be created.

Table 4-6 : Live stock Water Demand

Name of the Block	Total number of live stock	Present water demand (BCM)	Water demand in 2020 (BCM)	Existing Water Potential (BCM)	Water Potential to be created (BCM)
Badami	454893	0.004331	0.004331	0.004331	-
Bagalkot	226072	0.002216	0.002216	0.002216	-
Bilagi	160671	0.001758	0.001758	0.001758	-
Hungund	373801	0.003433	0.003433	0.003433	-
Jamkhandi	289324	0.003827	0.003827	0.003827	-
Mudhol	245513	0.003029	0.003029	0.003029	-
Total	1750274	0.018592	0.018592	0.018592	-

Table 4-7 : Water Consumption by Animals / Birds

Water Consumptions by Animals / Birds			
Sl.No.	Livestock Category	Water requirement Range	Average Water Use L/Day
1	Pultry	0.16-0.24	0.20
2	Small Animals	13-20	16.50
3	Large Animals	39-59	50
Source: Adapted from Nutrient requirements of poultry, Sheep, Cattles. 9th edition. Washington, D.C.: National Research Council, 1994,			

4.4. : Industrial Water Demand

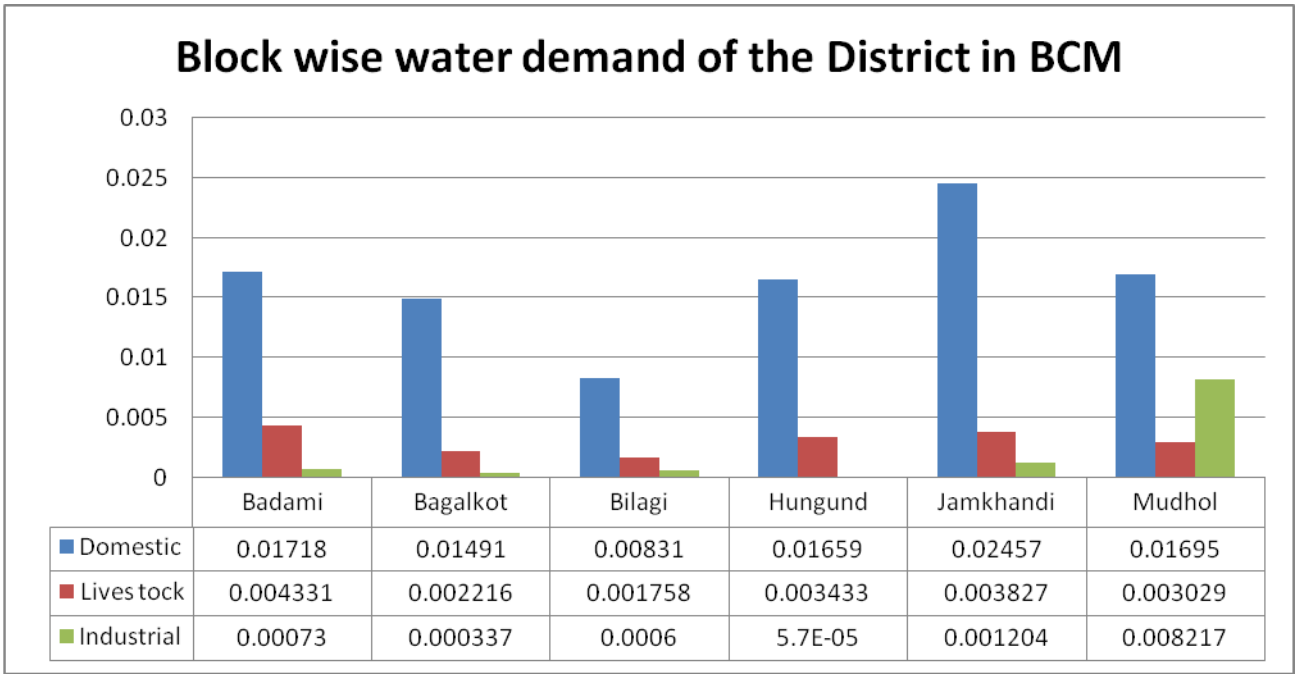
Since Sugarcane is the major commercial crop of the District, there are 9 Sugar factories working in the district. Cement factories, Oil mills, Granite factories are main water consuming industries in the District. The Block wise water consumed by Industries of the District is as shown below.

Table 4-8 : Block wise Industrial water demand

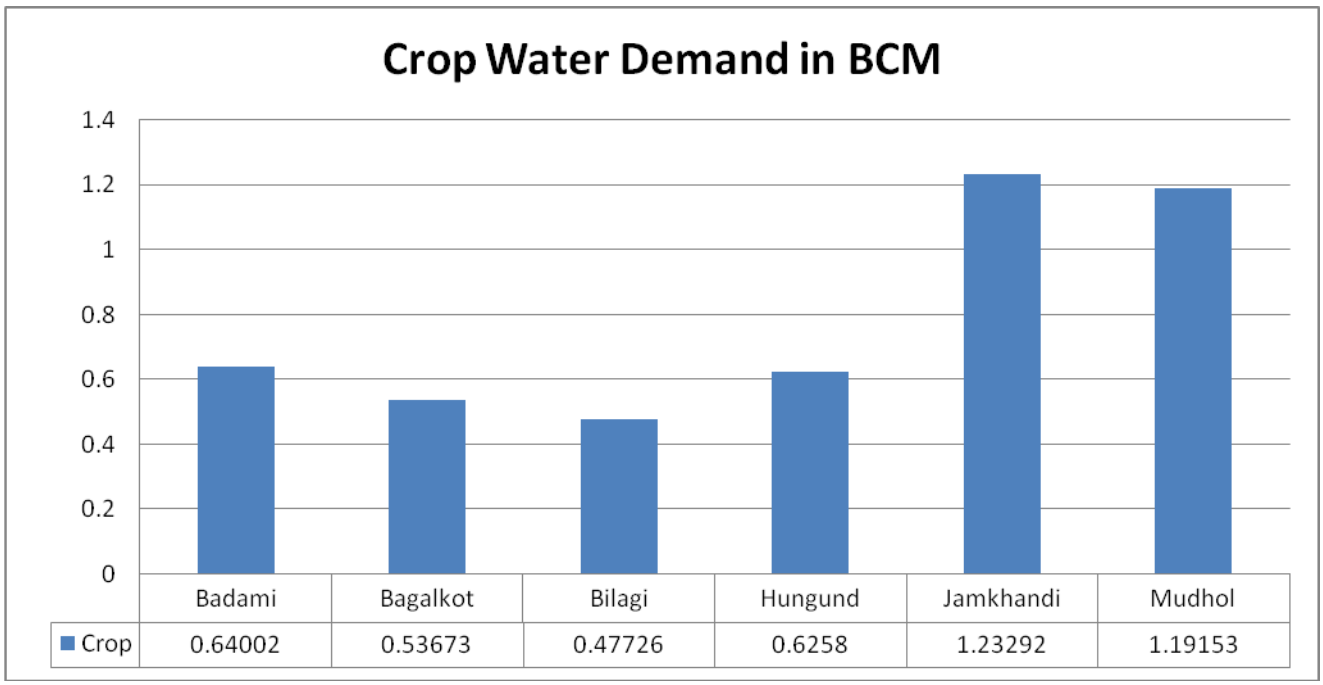
Block	Type of Industry	No, of Existing Industries	Water demand (BCM)	Water demand in 2020 (BCM)	Existing Water potential (BCM)	Water Potential to be created (BCM)
Badami	Sugar Factory	1	0.00018	0.00018	0.00018	-
	Èthenol Industry	1	0.00055	0.00055	0.00055	-
	Taluk Total	2	0.00073	0.00073	0.00073	-
Bagalkot	Sugar Factory	1	0.0003	0.0003	0.0003	-
	Small scale ind.	-	0.000037	0.000037	0.000037	-
	Taluk Total	1	0.000337	0.000337	0.000337	-
Bilagi	Sugar factory	2	0.0006	0.0006	0.0006	-
Hungund	Granites & Small scale Ind.	-	0.000057	0.000057	0.000057	-
Jamkhandi	Sugar factory	2	0.00117	0.00117	0.00117	-
	Smal scale ind.	-	0.000034	0.000034	0.000034	-
	Taluk Total	2	0.001204	0.001204	0.001204	-
Mudhol	Sugar factory	4	0.007628	0.007628	0.007628	-
	JK Cement	-	0.000584	0.000584	0.000584	-
	Small Scale Ind.	-	0.000005	0.000005	0.000005	-
	Taluk Total	4	0.008217	0.008217	0.008217	-
District Total		11	0.011145	0.011145	0.011145	-

Table 4-9 : Water Demand of the District for various sectors (Present)

Name of the Block	Domestic	Crop	Live stock	Industrial	Power Generation	Total
Badami	0.01718	0.64002	0.004331	0.00073	0	0.66226
Bagalkot	0.01491	0.53673	0.002216	0.000337	0	0.55419
Bilagi	0.00831	0.47726	0.001758	0.0006	0	0.48793
Hungund	0.01659	0.6258	0.003433	0.000057	0	0.64588
Jamkhandi	0.02457	1.23292	0.003827	0.001204	0	1.26252
Mudhol	0.01695	1.19153	0.003029	0.008217	0	1.21973
Total	0.09849	4.70426	0.018592	0.011145	0	4.83249



Graph 4-4 : Block wise water demand of the District.



Graph 4-5 :Block wise Crop water demand of the District.

Based on the calculation it is reflect that total current water requirement is 4.832487 BCM. Highest water requirement is in Jamkhandi block followed by Mudhol Block. Lowest Water requirement is in Bilagi Block. Due to rappid urbanization and increasing population water requirement in 2020 is about.

Table 4-10 :Water Demand of the District for various sectors (Projected 2020)

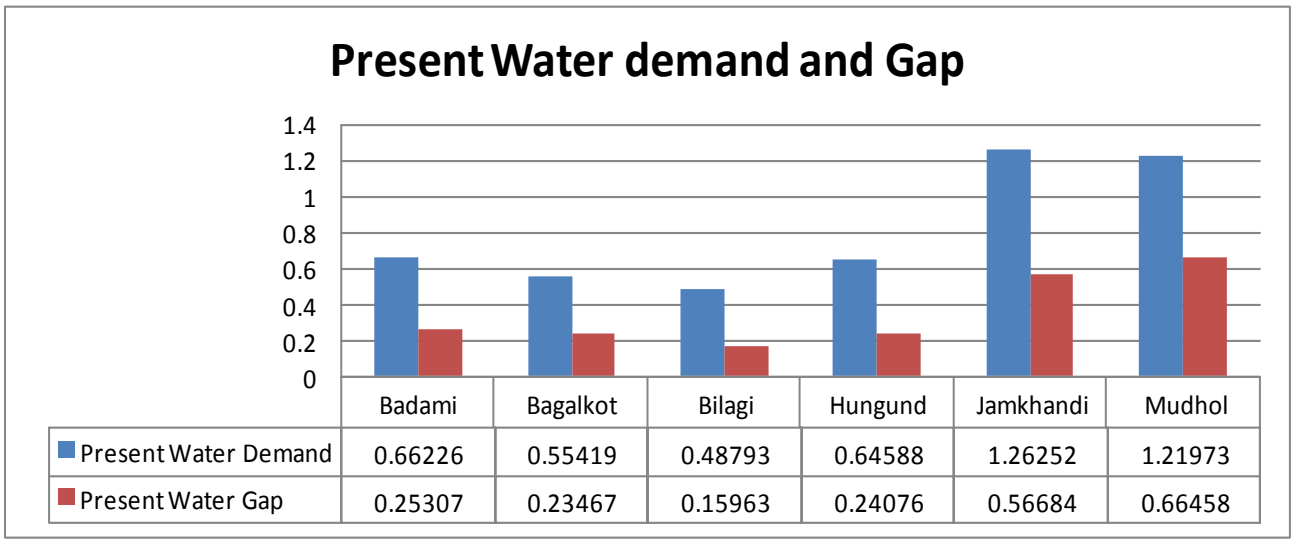
Block	Domestic	Crop	Livestock	Industrial	Power Generation	Total BCM
Badami	0.01825	0.64002	0.004331	0.00073	0	0.66333
Bagalkot	0.01598	0.53673	0.002216	0.000337	0	0.55526
Bilagi	0.00882	0.47726	0.001758	0.0006	0	0.48844
Hungund	0.01753	0.6258	0.003433	0.000057	0	0.64682
Jamkhandi	0.02632	1.23292	0.003827	0.001204	0	1.26427
Mudhol	0.01829	1.19153	0.003029	0.008217	0	1.22107
Total	0.10519	4.70426	0.018592	0.011145	0	4.83919

4.5.: Water Budget

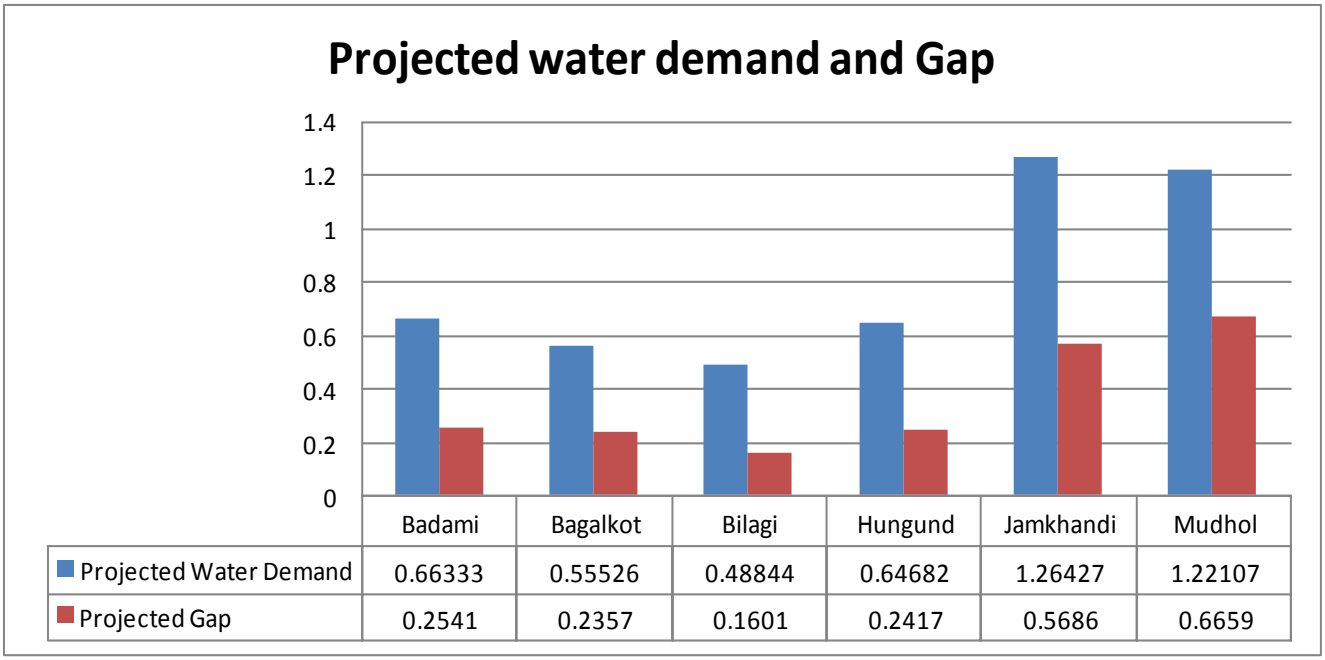
A water budget reflects the relationship between input and output of water through a region. Thus we have a direct comparison of supply of water and the natural demand for water.The following data provides current water gap and projected water gap for the year 2020.

Table 4-11 : Blockwise water budget

Block	Existing Water Availability (BCM)			Water Demand (BCM)		Water Gap (BCM)	
	Surface Water	Ground Water	Total	Present	Projected (2020)	Present	Projected (2020)
Badami	0.36636	0.04283	0.40919	0.66226	0.66333	0.25307	0.2541
Bagalkot	0.27836	0.04116	0.31952	0.55419	0.55526	0.23467	0.2357
Bilagi	0.27280	0.05550	0.32830	0.48793	0.48844	0.15963	0.1601
Hungund	0.33539	0.06973	0.40512	0.64588	0.64682	0.24076	0.2417
Jamkhandi	0.60884	0.08684	0.69568	1.26252	1.26427	0.56684	0.5686
Mudhol	0.45554	0.09961	0.55515	1.21973	1.22107	0.66458	0.6659
Total	2.31729	0.39567	2.71296	4.83249	4.83919	2.11953	2.1262



Graph 4-6 :Present Water demand and Gap



Graph 4-7 : Projected water demand and Gap

Chapter : 5
Strategic Action Plan

Water is a blessing for human kind. It is the life blood of farming. Nations, cities and civilizations have grown near rivers. Our scriptures have praised the life giving quality of water. There is a re-emerging consensus that water resources development and management are essential to generate wealth, mitigate risk, and alleviate poverty; that poverty demands that many developing countries will need to make large investments in water infrastructure at all levels; and that this development must be undertaken building on the lessons of experience, with much greater attention to institutional development, to the environment and to more equitable sharing of benefits and costs. The challenge of “Responsible Growth” is to grow while at the same time embracing both environmental sustainability and social development. A responsible path is particularly important in water development because, given the longevity of water infrastructure, many of these decisions will have long-term consequences. Furthermore, many decisions – both decisions to act and not to act may have irreversible consequences.

Water resources constitute mainly surface and groundwater, with rainfall being the basic source. The main issues of concern are conservation of existing water resources and prevention of further degradation and depletion. The associated issues include rejuvenation of degraded traditional surface water bodies, enhancing the availability of water through water harvesting measures, and recharge of ground water resources. More important is the judicious and

economic use of both ground and surface water for agricultural, industrial and domestic purpose.

Considering the present status of water availability, huge water gap (2.11953 BCM) is found in the district. To reduce this gap, there is a need to exploit surface water through flowing rivers of the district and to strategic action plan involving Major Irrigation, Minor Irrigation and Agriculture departments for irrigation in district under PMKSY has been prepared.

Details of Works proposed by Major Irrigation Department

Vankateshwar Lift Irrigation Scheme:

Venkateshwar Lift Irrigation scheme is proposed to irrigate 7200 ha of land in Jamkhandi and Mudhol taluk villages. Total villages covered under this scheme are 4 villages of Jamkhandi taluk and 6 villages of Mudhol taluk. It is planned to lift 0.0212 BCM water from Krishna river at Kulhalli village of Jamkhandi taluk. For this action plan of Rs.172.42 crores has been submitted.

Tubachi Babaleshwar Lift Irrigation Scheme :

Tubachi Babaleshwar Lift Irrigation scheme is proposed to irrigate 5582 ha of land in Jamkhandi taluk of Bagalkot District by utilising 0.0.022 BCM allocated water from Krishna River at Kawatagi village. To complete the work Rs. 1485.00 crores action plan is submitted. Under this project part of Bijapur district is irrigated.

Salapur Lift Irrigation Scheme :

Salapur Lift Irrigation scheme is proposed to irrigate 2898 ha of land in 8 villages of Badami taluk during Kharif season. The total water allocated for the

project is 0.0116 BCM. It is proposed to lift water in a single stage with jackwell near machaknur village. For this action plan of Rs.100.00 crores has been submitted.

Veerabadreshwar Lift Irrigation Scheme:

This LIS proposed to irrigate 1680 ha of area in 4 villages of Mudhol taluk by lifting the 0.0065 BCM of water from Ghataprabha river. Rs. 52.59 crores of action plan is prepared to complte this project.

LIS from Krishna River to Terdal Dy at Ch. 62+400 of GLBC Canal :

This LIS is proposed to irrigate 2369.68 ha of land in Jamkhandi taluk covering 9 villages. It is proposed to lift 0.00811 BCM of water from Krishna river near Hipparagi Barrage. It uncertain to receive water in GLBC canal during Kharif. i.e. in the month of June . By implementing this scheme it is possible to provide irrigation facility to 2369.8 ha of land well during essential period of time. Rs. 20.00 crores action plan is prepared to complete this project.

LIS from Krishna river at Ch.21 of Jamkhandi Branch Canal:

This LIS is proposed to provide additional irrigation facility to 9163.63 ha Rab notified area of Jamkhandi taluk in Kharif season. It is planned to lift 0.0266 BCM of water from Krishna river at Kulhalli village near Hipparagi barrage during June to October when the abundant water is available due to flood situation. The action paln is submitted for Rs. 26.5 crores to provide the additional irrigation facility to 14 villages of the Jamkhandi taluk under this scheme

Providing Lift Irrigation Scheme to Bilagi Branch Canal & South Branch canal (Ch-109km of GLBC) from the Krishna River near Galagali Village

This lift irrigation scheme is proposed to irrigate an area 11126.68 ha in Bilagi and Mudhol taluks. i.e. Suffering area of the Bilagi Branch and South branch Canal area by utilizing the 0.0425 BCM of water from Krishna River

during Khariff season only. Water is proposed to be drawn through an intake canal on the right bank of Krishna River on the immediate downstream of the Galagali Barrage near Galagali village in Bilagi taluka of Bagalkot Dist. For this action plan of Rs. 98.00 crores has be submitted.

Mareguddi Lift irrigation Scheme from Krishna river to fill up tanks and check dams and to provide irrigation facility to new area in Khariff season

This lift irrigation scheme is proposed to irrigate an area of 2398 Ha. by utilizing the 0.0118 BCM of water from Krishna River during Khariff season only. It is also proposed to fill up 4 tanks and 20 check dams. Water is proposed to be drawn through an intake canal on the right bank of Krishna River on the immediate downstream of the Galagali Barrage near Galagali village in Bilagi taluka of Bagalkot Dist. This also supplies water to Siddapura tank and Jamakhandi kattekere. It is proposed to supply water from the delivery chamber to the Siddapura tank though gravity mains. From Siddapura tank water is allowed in the natural valley to fill up Jamakhandi kattekere. The action plan to complete the project is submitted for Rs. 70.5 crores.

Construction of Galagali Barrage across Krishna River near Galagali Village

To provide the additional water required for various purposes, the Major Irrigation Department has proposed to increase the height of barrage by another 2m. The stability analysis of the barrage with the increased height of 2m was carried out & since the existing section could not satisfy the stability criteria, it was decided by the department to construct new barrage across Krishna river near Galagali village. The Existing Barrage located on the U/S of Bridge near Galagali has a storage capacity of 0.569 TMC & FRL is RL 511.92. The storage approximate storage capacity of proposed barrage with FRL of RL 515 is 0.04729 BCM . and proposed action plan amount is Rs. 51.00 crores.

Mulwad Lift Irrigation Scheme Stage-III (Jamakhandi Taluka Portion)

MLI stage-III works are taken up under Upper Krishna Project Stage-III for Irrigtating 2,27,966 Ha of Vijayapur District and Part of Jamakhandi Taluka of Bagalkot District. The project is designed for total utilization of 52.40 TMC of Water to be allocated under UKP Stage-III.

The portion of Jamakhandi Taluka of Bagalkot District of this project is to be brought under irrigation for 3014 Ha with utilization of 0.021 BCM of Water. The following 3 villages are partially comes under irrigation and irrigated from Malaghan West Canal at RL 590.00 Mtr and below.

Sl. No.	Name of the village	Area brought under irrigation by Canal.	Area in Ha.
1	Chikkalaki of Jamakhandi Taluka	Malaghan West canal Dy-25 at 118.50 Km Tail end.	954
2	Gadyal of Jamakhandi Taluka	Babaleshwar Branch Canal-1 block No.31of Dy No.15	90
3	Todalabagi of Jamakhandi Taluka	Malaghan West canal Dy-23 at 101.14 Km.	1971
		Total	**3014**

These villages are to be brought under irrigation and irrigation planning is completed for Main Canal and works are at estimate stage. The approximate cost of Canal net work for above 3 villages is Rs 105.00 Crores.

Herkal (South) & Herkal(North) LIS.

Herkal LIS is one of the lift irrigation schemes proposed under UKP. It is proposed to provide irrigation facilities for ICA of 7537 Ha of Bilagi and Bagalkot Taluka by utilizing 2.598 TMC of water. The estimated cost of the project is Rs. 324.35 crores. Construction of Head works are in advanced stage of completion.

An expenditure of Rs. 107.00 crores is incurred so for. The work of construction of canal network is to be taken up.

Construction of Herkal Bridge Cum Barrage near Herkal.

The work of construction Herkal Bridge cum Barrage across river Ghatapraba is taken up on tender basis with contract amount of Rs.75.77 crores. This is the assured source of water for successful implementation of Herkal (South) and Herkal (North) LIS schemes to suffice the required water during the period from January to March. Storage capacity of this Bridge cum Barrage is 1.80 TMC. The expenditure incurred so far is Rs.45 crores. Further the work of approaches is to be taken up.

Timmapur Lift Irrigation scheme.

Thimmapur Lift Irrigation Scheme (T.L.I.S) is one of the Irrigation Projects in Krishna Basin project. It is proposed to provide benefit of irrigation to about 20,100 Ha of drought prone areas of Bagalkot District by utilizing water of 4.24 TMC. The villages of Hungund and Bagalkot taluk of Bagalkot districts are benefited under the scheme. The Head Work and canal network under Delivery Chamber, DC-1 is completed except tail end of about 6.50 Km. The canal network under DC-2 is completed. An area of 15058.23 Ha. Is notified during the year 2015-16. It is assessed that a balance cost of Rs.45.00 crores required to complete the balance work of tail end canal network and additional structures which nesseciates the completion of the project for the smooth flow of water in the canal network.

Marol (Ramthal) DRIP Irrigation Project.

Marol(Ramthal) LIS Stage-II Works are taken up to provide irrigation by drip irrigation method for 24,000 ha utilizing 0.06BCM of Water. The work of Drip

Irrigation of various zones at different elevation with net work is taken up at the cost of Rs 772.66 Crores. The work is nearing completion and yet to be commissioned. The work tendered involves maintenance for 5 years after commissioning including training to farmers. The water users associations of the farmers are formed. The maintenance cost out of Rs. 772.66 Crores is Rs.75.00 Crores. The maintenance cost of the project is proposed under District Irrigation Plan of Bagalkot under per drop more crop of this scheme.

Achanoor and Bhagavathi LIS by lifting water from Ghataprabha river near Mugalolli.

Bagalkot district is located in northern part of Karnataka and it is draught prone area where the average annual rain fall is less than 600mm and unevenly spread in the rainy year. The command area in and around Bhagavthi village of Bagalakot Taluka is at higher elevation and is not covered under any of the schemes planned under UKP. The lands comes under the villages of Thimmapur, Bilkerur, Sangapur, Bevoor, Hallur, Achanur, Bhagavathi, Benakatti, Kamatagi, Mannikatti, Kiresur, Gulbal tanda, Kadlimatti and Mugalalli are located in higher levels i.e, in between EL 580.000m and EL 605.000m. The Gross Command Area of 9700 Ha of land is not covered under irrigation even though it is 8-10 Km away from Ghataprabha River.

There is a demand to provide irrigation facilities to this left out area. Sri H.Y Meti Hon'ble Minister for Excise, Government of Karnataka had written a letter to Hon'ble Chief Minister, Government of Karnataka on dated 23-12-2016 to provide irrigation project for this area. The Hon'ble Chief Minister, Government of Karnataka has endorsed the letter to Principal Secretary WRDO Karnataka to include the project in the financial year 2016-17 budget. The area proposed to

irrigate is 6800 Ha. by utilizing 1.27 TMC of water. The estimated cost of project is Rs. 120.00 crores.

Herkal (South) LIS extension new scheme.

Herkal (south) LI Scheme is proposed to extend the left out area of 5848 Ha. of Kainakatti, Hawalakod, Chinchalkatti, Chinchalkatti Tanda, Bellikhindi, Shipparamatti, Hosakoti, Sanganur and Fakhir Budihal villages of Badami taluka by utilizing 1.066 TMC of water. The project also consists of filing up of Shipparamatti, Jangawad, Hawalakod and Nandihal MI tanks. The cost of the project is Rs. 244.40 crores.

Yalligutti Lift Irrigation Scheme in Bilagi Taluka.

The lift irrigation scheme is proposed for irrigation of 1200 Ha of Yalligutti and Yankanchi villages of B ilagi Taluka of Bagalkot District surrounded by hillocks on 3 side and Ghataprabha river one side. It is proposed to utilize 0.0034 BCM of Water from Krishna Basin. It is proposed to lift water from Ghataprabha River near village Yalligutti and lifting water upto RL 581.00 Mtr. The area of 12000 Ha is above the FRL of Almatti Dam proposed RL of 524.256mtrs. The lift location is on upstream of Herkal Bridge cum barrage which is constructed for storage of water for Herkal LIS during January to March Month when the Almatti reservoir depletes. This area is not covered under any upper Krishna Project and proposed under " Har Kheth Ko Pani '' scheme and the approximate estimate cost works out to Rs 50.00 Crores.

Filling up of Hireshellikeri and Kalabandkeri MI tanks.

It is proposed to fill up Hireshellikeri MI tank in Bagalkot taluka and Kalabandkeri in Badami taluka with which ground water in the vicinity also increases. The cost of the project assessed is Rs. 2.00 crores.

Filling up of Bevoor, Hallur, Bagavathi and Sangapur MI tanks.

Filling up MI tanks of Sangapur, Bevoor, Hallur and Bhagavathi of Bagalakot Taluka and District is proposed. The requirement for filling of tanks is considered at 75% of the capacity of tank and remaining 25% filling by rain fall. The project comprises of lifting of water at Delivery chamber (DC)-2 of the Thimmapur LIS. The estimated cost of the project is Rs.12.00 crores.

Details of works proposed under PMKSY by CADA Department

There are 6 schemes under Ghataprabha and Malaprabha Projects where action plan is prepared for completion of CAD W&M Works under PMKSY.

Scheme wise / Project wise action plan prepared is as follows

Sl. No.	Project / Scheme Name	Financial (Rs. In Crores)
1	Ghataprabha Project	129.92905
2	Malaprabha Project	17.03850
3	Hippraragi LIS	23.29480
4	Tubachi-Babaleshwar LIS	31.61960
5	Veerabadreshwar LIS	6.60550
6	Venkateshwar LIS	26.52360
	Total	235.01105

Major Works /Activities proposed in the action plan is as follows

Sl. No	Activities	Ghata prabha	Mala prabha	Hipparagi LIS	Tubachi-Babaleshwar LIS	Veerabhadreshwar LIS	Venkateshwar LIS	TOTAL
		Phy (Ha)	Phy (Ha)	Phy (Ha)	Phy (Ha)	Phy (Ha)	Phy (Ha)	Phy (Ha)
	HAR KETH KO PANI							
1	Construction of field channels	**9502.46**	**1757.00**	**6805.00**	**7920.00**	**1512.00**	**6480.00**	**33976.46**
2	Field Intermedite and Linked Drains	**62359.50**	**7231.23**	**6695.00**	**4300.00**	**800.00**	**3600.00**	**84985.73**
3	Surface drainage	**5071.91**						**5071.91**
4	sub Surface drainage	**10695.10**						**10695.10**
5	One time grant to registered/elected WUAs							
	1) No. Of Water user socities	**46.00**	11.00	**3.00**	**17.00**	**3.00**	**14.00**	**94.00**
	a) Functional grant	**74670.92**	16136.72	**1890.00**	**8800.00**	**1680.00**	**7200.00**	**110377.64**
	b)Infrastructure grant	**132.00**	30.00		**17.00**	**3.00**	**14.00**	**196.00**
6	Providing information on digital Map, canal work, clearing of nala works			**7660.00**	**8800.00**	**1680.00**	**7200.00**	**25340.00**
	PER DROP MORE CROP							
1	b)Micro Irrigation				**880.00**	**168.00**	**720.00**	**1768.00**
2	Software Activities							
	1) a)Training (No. Of farmers) (Agri)	**1877.00**	**938.00**					**2815.00**
	b)Training (No. Of farmers) (Co-op)	**250.00**	**100.00**	**5734.00**	**800.00**	**800.00**	**800.00**	**8484.00**
	2) Ground Water Monitering							
	3) Adoptive trails			**1420.00**	**50.00**	**8.00**	**36.00**	**1514.00**
3	Evaluation & Impact of CADA works after three years			**1.00**	**1.00**	**1.00**	**1.00**	**4.00**
	OTHERS							
1	Improvement and construction of Aycut roads	**90.50**	**90.50**	7.00	7.00	7.50	14.00	**216.50**

There are 6 schemes under Upper Krishna Projects where action plan is prepared for completion of CAD W&M Works under PMKSY. Scheme wise / Project wise action plan prepared is as follows

Sl. No.	Project / Scheme Name	Financial (Rs. In Crores)
1	Sonna Rolli Mannikeri LIS	7.000
2	Teggi Siddapur LIS	3.900
3	Herkal LIS	18.050
4	Almatti Right Bank Canal	14.900
5	Ramathal LIS	18.418
6	Timmapur LIS	45.450
	Total	107.718

Major Works /Activities proposed in the action plan is as follows

Sl. No	**Activities**	Sonna Rolli Mannikeri LIS	Teggi Siddapur LIS	Herkal LIS	Almatti Right Bank Canal	Ramathal LIS	Timmapur LIS	**TOTAL**
		Phy (Ha)	**Phy (Ha)**	**Phy (Ha)**	**Phy (Ha)**	**Phy (Ha)**	**Phy (Ha)**	**Phy (Ha)**
	HAR KETH KO PANI							
1	Construction of field channels	**175.0**	**220.0**	**0.0**	**261.4**	**550.0**	**3021.4**	4227.8
2	Field Intermedite and Linked Drains	**630.0**	**65.0**	**0.0**	**435.0**	**650.0**	**3618.0**	5398.0
3	Surface drainage	**60.0**	15.0	**0.0**	**312.0**	**550.0**	**201.0**	1138.0
4	sub Surface drainage	**75.0**	85.0	**0.0**	**468.0**	**300.0**	**1005.0**	1933.0
5	One time grant to registered/elected WUAs							
	a) Functional grant	**8.0**	6.0	**22.0**	**22.0**	**33.0**	**45.0**	136.0
	b)Infrastructure grant	**8.0**	6.0	**22.0**	**22.0**	**33.0**	**45.0**	136.0
	PER DROP MORE CROP							
1	b)Micro Irrigation	**230.0**	**166.6**	**900.0**	**678.0**	**260.0**	**2010.0**	4014.6
2	Software Activities							
	1) a)Training (No. Of farmers) (Agri)	**3000.0**	**3225.0**	**9200.0**	**9200.0**	**13600.0**	**18600.0**	56825.0

3	Improvement and construction of Aycut roads	**6.0**	**0.0**	25.0	8.0	6.0	10.0	55.0

1) TIMMAPUR LIFT IRRIGATION SCHEME DC-1 & DC-2 : Project envisaged to irrigate an extent of 20100 Ha in DPAP area of Bagalkot District. It is Planned to utilize 0.12488 BCM of water to cover 35 villages of Bagalkot District.

The Canal works are completed. The total outlet potential created to the end of March-2015 is 16853 Ha. The balance potential of 3247 Ha is yet to be created. The potential creation programme is as follows.

(Potential in Ha)

Ultimate Potential	Cumulative Potential created up to end of March-2015	Balance as on 01-04-2015	Potential programme for 2015-16	Potential created during 2015-16	Cum. Potential created up to Oct-2015 since inception	Balance Potential as on 01-11-2015
20100	16853	3247	958	-	16853	3247

As a part of command area development programme, FIC's covering an area o 15993.88 Ha has been completed to end of March 2015. As per CAD&WM guidelines 10% of the total CCA of 20100 Ha, i.e. 2010 Ha is planned to bring under Micro Irrigation and also it is programmed to construct FIC's for the remaining area of 3021.4 Ha as shown below.

Ultimate Potential	Cumulative Potential created up to end of March-2015	Potential programme for 2015-16	FIC Potential created up to end of March-2015	Balance FIC to be created	Micro Irrigation area considered	Area considered for creation of FIC
20100	15993.88	1084.72	15993.88	3021.4	2010	17078.60

- For above said work Action Plan is prepared for Rs. 45.45 crores.

2) **<u>TEGGI-SIDDAPUR LIFT IRRIGATION SCHEME</u>** : Project envisaged to irrigate an extent of 3000 Ha (This includes 1000 Ha of fresh area and 2000 Ha of tail end suffering area of Ghataprabha Left Bank Canal) in DPAP areas of Bagalkot District. It is Planned to utilize 0.02548 BCM of water to cover 3 villages of Bagalkot District.

The Canal works are completed. The total outlet potential created to the end of March-2015 is 3000 Ha.

As a part of command area development programme, FIC's covering an area of 410.14 Ha has been completed to end of March 2015. As per CAD&WM guidelines 10% of the total CCA of 3000 Ha, i.e. 386.64 Ha is planned to bring under Micro Irrigation as shown below.

Ultimate Potential	Cumulative Potential created up to end of March-2015	Potential programme for 2015-16	FIC Potential created up to end of March-2015	Balance FIC to be created	Micro Irrigation area considered	Area considered for creation of FIC
3000	410.14	203.22	410.14	220.0	166.64	833.36

- For above said work Action Plan is prepared for Rs. 3.90 crores.

3) **<u>SONNA & ROLLI-MANNIKERI LIFT IRRIGATION SCHEME</u>** : Project envisaged to irrigate an extent of 2350 Ha in DPAP areas of Bagalkot District. It is Planned to utilize 0.01415 BCM of water to cover 5 villages of Bagalkot District.

The Canal works are completed. The total outlet potential created to the end of March-2015 is 3256 Ha.

As a part of command area development programme, FIC's covering an area of 1070.96 Ha has been completed to end of March 2015. As per CAD&WM guidelines 10% of the total CCA of 2350 Ha, i.e. 230 Ha is planned to bring under Micro Irrigation as shown below.

Ultimate Potential	Cumulative Potential created up to end of March-2015	Potential programme for 2015-16	FIC Potential created up to end of March-2015	Balance FIC to be created	Micro Irrigation area considered	Area considered for creation of FIC
3500	1617.62	874.20	1070.96	175.04	230.0	2120.0

- For above said work Action Plan is prepared for Rs. 7.00 crores.

4) **RAMATHAL 1ST LIS EAST & WEST CANAL LIS** :

Project envisaged to irrigate an extent of 14728 Ha in DPAP areas of Bagalkot District. It is Planned to utilize 0.1653 BCM of water to cover 44 villages of Bagalkot District.

The Canal works are completed. The total outlet potential created to the end of March-2015 is 14493 Ha. The balance potential to be created is 235 Ha.

As a part of command area development programme, FIC's covering an area of 13810.91 Ha has been completed to end of March 2015. As per CAD&WM guidelines 10% of the total CCA of 14728 Ha, i.e. 260 Ha is planned to bring under Micro Irrigation as shown below.

Ultimate Potential	Cumulative Potential created up to end of March-2015	Potential programme for 2015-16	FIC Potential created up to end of March-2015	Balance FIC to be created	Micro Irrigation area considered	Area considered for creation of FIC
14728	13810.91	429.77	13810.19	227.32	260.0	14268.0

- For above said work Action Plan is prepared for Rs. 18.418 crores.

5) **ALMATTI RIGHT BANK CANAL I LIS:** : Project envisaged to irrigate an extent of 9900 Ha in DPAP areas of Bagalkot District. It is Planned to utilize 0.1249 BCM of water to cover 41 villages of Bagalkot District.

The Canal works are completed. The total outlet potential created to the end of March-2015 is 9222.95 Ha. The balance potential to be created is 677.05 Ha.

As a part of command area development programme, FIC's covering an area of 8960.60 Ha has been completed to end of March 2015. As per CAD&WM guidelines 10% of the total CCA of 9222.95 Ha, i.e. 261.40 Ha is planned to bring under Micro Irrigation as shown below.

Ultimate Potential	Cumulative Potential created up to end of March-2015	Potential programme for 2015-16	FIC Potential created up to end of March-2015	Balance FIC to be created	Micro Irrigation area considered	Area considered for creation of FIC
9900	9222.95	-	8960.60	261.40	678.00	9222.00

- For above said work Action Plan is prepared for Rs. 14.90 crores.

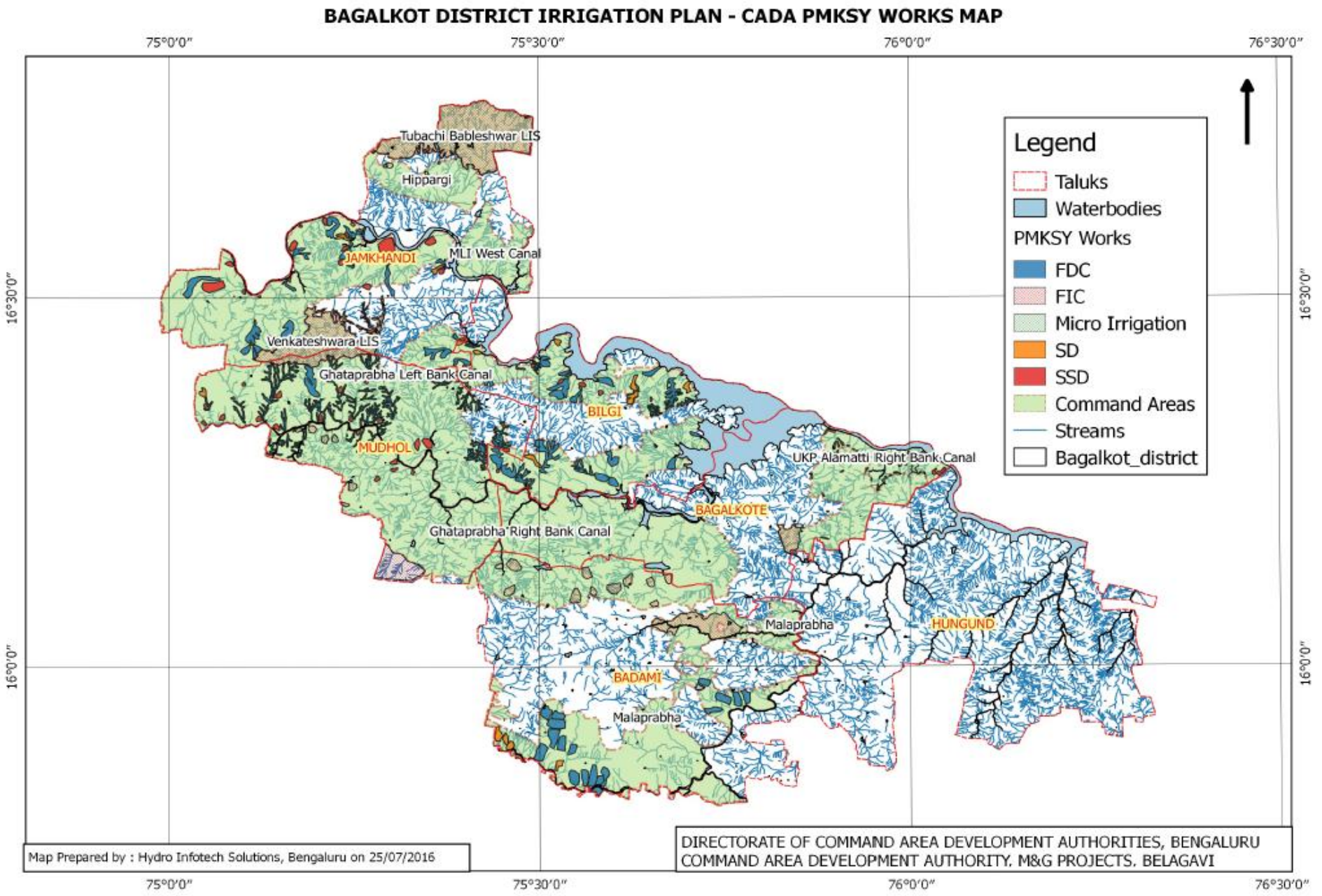


Figure 5-1 : CADA PMKSY Proposed works maps in Bagalkot District

Works by Minor Irrigation Department:

Minor Irrigation Department is involved in Constructing and maintaining water bodies such as tanks,barrages and pickup bhandaras, check dams, feeder channels and lift irrigation schemes.These water bodies are assigned to feed water to farmers land and to increase the ground water table. Potentiality of water bodies is mainly depending upon the rain fall and flow in the rivers and local nalas.

Bagalkot District irrigation plan for the minor irrigation works has been prepared for a period of five years, with intension of mainly conservation of ground water and harvesting of available natural water sources .

Minor irrigation works are categorically classified as

- Tank filling from natural rivers
- Construction of new Tanks, Improvements to existing water bodies
- Construction of new lift irrigation schemes and restoration of existing schemes
- Construction of New barrages across rivers and nalas

These schemes are planned to irrigate 17147 hectares of land in five years with the cost of Rs. 1452.25 crores.

Works by Agriculture Department

Scope for Sprinkler / Drip Irrigation

To promote efficient water conveyance and precision water application devices like drips and sprinklers will be supplied to the farming community. It is planned to bring 54,000 Ha of area under Sprinkler Irrigation and 31,000 ha of area under Drip Irrigation and to achieve this, action plan of Rs.374.256 crores is submitted. By implementing Drip and Sprinkler irrigation we can save the water to the extent of 50% in Drip irrigation and 25% in Sprinkler irrigation . The saved water can be utilsed to extend the area under irrigation.

Micro irrigation scheme is being implemented since 2006-07. Up to 2015-16 an area of 13,330 ha and 26,717 ha have been brought under Drip and Sprinkler Irrigation respectively. The area under Drip irrigation by Horticultlural crops in the District is about 10,834 ha.

Water harvesting structures

Over the past three decades, growing populations and increase in irrigation has led to excess withdrawal of ground water without commensurate recharging, resulting in a rapid fall in the water table. The reason for this is that large part water comes as rainfall is lost to the sea in the form of run-off and rest is evaporated. So future irrigation needs would have to be met by tapping ground water and utilizing it more efficiently.

Action plan of Rs 344.34 crores submitted for construction of 17136 water harvesting structures such as check dams, percolation tank, farm ponds, etc.

The major structures include Farm ponds(14168), Check Dam (925) and Percolation Tank/ Nala bund/ Check dam (1859) With the construction of these structures, 42183. 796 tcm water holding capacity will be created.

Field bund

The technology is simple to implement at the local level. Bunds slow down water sheet flow on the ground surface and encourage infiltration (groundwater recharge) and help to reduce soil erosion. The major advantage of field bund is that higher crop returns can be expected in dryer years which allows farmers to diversify income sources in normal years. A total of 1,13,400 ha will be treated and under this action plan of Rs. 124.86 crores has been submitted.

Agro forestry

Agro forestry provides a different land use option, compared with traditional arable and forestry systems. It makes use of the complementarity between trees and crops, so that the available resources can be more effectively exploited. The agroforestry plot remains productive for the farmer and generates continuous revenue, which is not the case when arable land is exclusively reforested. Agroforestry allows for the diversification of farm activity and makes better use of environmental resources. A total of 60,257 ha will be brought under tree species like teak,hebbevu,,tamarind,silver oak,neem etc. and under this action plan of Rs.48.2056 Crores has been submitted.

Dry land Horticulture

There is a wild scope in the district to go for dry land horticulture . Growing of fruit crops is one of the many ways of crop diversification in drylands. Dryland horticulture not only provides higher income to the farmers, but also more stable returns, besides utilizing the off-season precipitation. Several farmers are showing keen interest in cultivating fruit crops under drylands. A total of 39,725 ha will be brought under fruit crops like sapota,mango,gauwa, lime etc and under this action plan of Rs. 47.67 crores has been submitted.

In this context, it can be explained that there is a strong linkage between water supply with all other developmental activities. In perspective of dynamic development scenario, it must be remembered that the key priorities and identified strategies cannot be considered as static and firm. These need to be reviewed and improved upon from time to time. In this regard, a comprehensive “Strategic Plan for District Irrigation” has been prepared

Water Recharge pits

A recharge pit allows the rainwater to replenish groundwater by recharging the underground aquifers. It can be built to recharge a borewell or just to help the water infiltration in an area. Groundwater recharge is an important process for sustainable groundwater management, since the volume-rate abstracted from an aquifer in the long term should be less than or equal to the volume-rate that is recharged. Recharge can help move excess salts that accumulate in the root zone to deeper soil layers, or into the groundwater system. Tree roots increase water saturation into groundwater reducing water runoff. Flooding temporarily increases river bed permeability by moving clay soils downstream, and this increases aquifer recharge.

As per suggestions of honourable MLA's of the District, an action plan Rs. 74.095 crores is submitted for Water recharge pits for all borewells of the District.

There has also been appreciable development in the areas of drinking water supply and other uses. However, growing population, urbanization and industrialization has led to considerable increase in demand of water for various purposes e.g., irrigation, domestic needs, industrial requirements etc.In this context, it can be explained that there is a strong linkage between water supply with all other developmental activities. In perspective of dynamic development scenario, it must be remembered that the key priorities and identified strategies cannot be considered as static and firm. These need to be reviewed and improved upon from time to time. In this regard, a comprehensive "Strategic Plan for District Irrigation" has been prepared for Rs.7028.20 crores.

With implementation of District Irrigation Plan ,following impacts are expected.

- Present Net Irrigation Area (ha) – 2,29,408 ha
- Irrigation potential created in 5 years (ha) - 72,065 ha
- Total Area under Irrigation after 5 years(ha) – 3,01,473 ha
- Present Sprinkler Irrigation area – 26,717 ha.
- After 5 years Sprinkler Irrigation area will be – 80,717 ha.
- Present area Drip Irrigation -24,164 ha
- After 5 years Drip Irrigation area will be -55,164 ha
- By implementing Lift Irrigation Scheme suffering area of command area will be brought under irrigation. Area-23, 458 ha
- Increase in ground water table and overall increase in total crop production

Table 5-1 : Component wise and year wise strategic action plan (Rs. In Crores)

Name of the Component	2016-17	2017-18	2018-19	2019-20	2020-21	Total
AIBP	40.91	40.91	40.91	0	0	122.73
Har Khet Ko Pani	1488.66	1459.45	1051.63	918.65	817.04	5735.43
Per Drop More Crop	75.00	80.00	75.00	75.00	69.26	374.26
PMKSY (Watershed)	51.43	67.69	62.20	28.09	21.06	230.47
PMKSY + MGNREGA	125.951	128.945	128.945	99.242	82.2416	565.3246

Convergance						
Total	1781.95	1777.00	1358.68	1120.98	989.60	7028.21

Table 5-2 : Ministry wise and year wise strategic action plan (Rs. In Crores)

Departments	2016-17	2017-18	2018-19	2019-20	2020-21	Total
DOLR/MORD	177.381	196.635	191.145	127.332	103.3016	795.7946
MOA & FW-DAC &FW	1563.66	1539.45	1126.63	993.65	886.3	6109.69
MOWR	40.91	40.91	40.91	0	0	122.73
Total	1781.95	1777	1358.68	1120.98	989.6	7028.2

Table 5-3: Total proposed water storage structures

Sl.No.	Name of the Structure	Total Numbers	Water Storage/ Structure (cum)	Total Water Storage (cum)
1	Check dam	925	1551	1434675
2	Nala bund	184	2681	493304
3	NB/ CD /PT	1859	1932	3590658
4	Farm pond	14168	940	13317920
	Total	17136		18836557

Total water storage : 0.018837 BCM

Table 5-4 : Water saving

Sl.No.	Name of the Component	Total Numbers	Water Saving/ Work (cum)	Total Water Saving (cum)
1	Land Development	113400	65	7371000
2	Drip Irrigation	31000	10000	310000000
3	Sprinkler Irrigation	54000	3000	162000000

	Total	198400		479371000

Total water saving : 0.47937 BCM

5.1 Department wise , block wise and component wise strategic action plans

Table 5-5 : Strategic Action Plan by Major Irrigation Department (Ghataprabha Project)

Sl. No.	Name of the Blocks /Sub Districts	Concerned Ministry /Dept.	Component	Activity	Total Number /Capacity (cum)	Command Area / Irrigation Potential (Ha)	Period of Implementation (5/7 years)	Estimated Cost (in Rs. Crore)
Major Project								
1	Jamkhandi Mudhol Bilagi	Mowr	AIBP	Ghataprabha Project ERM of Ghataprabha Projest from GLB Canal from Ch 64+000 to 109+000 (Including Linning and Structures)	605974798.2	76750.00	2/3 Years	122.73
Lift Irrigation / Diversion (Ongoing Projects)								
2	Jamkhandi	Mowr	Har khet ko pani	Hipparagi Lift Irrigation (Savalagi Tungal)	35962055.78	6695.31	5 years (OCM)	5.00
3	Jamkhandi	Mowr	Har khet ko pani	Tubachi Babaleshwar LIS	21803766.11	5582.00	5 Years	1485.00
Lift Irrigation / Diversion (New Projects)								
4	Jamkhandi	Mowr	Har khet ko pani	LIS from Krishna River to Terdal Dy at Ch.62+400 of GLB Canal	8098541.70	2950.00	1/2Years	20.00
5	Jamkhandi	Mowr	Har khet ko pani	LIS from Krishna River at Ch-21 of Jamkhandi Branch Canal	26560951.44	9775.79	2/3 Years	53.00
6	Jamkhandi	Mowr	Har khet ko pani	Filling the tank of Hunasikatti Village through Lift Irrigation from Krishna River	11876417.23	2398.24	1/2 Years	70.50
7	Jamkhandi Bilagi	Mowr	Har khet ko pani	LIS to Bilagi Branch Canal & South Branch Canal (Ch-109km of GLBC) froam the Krishna River	42488662.13	11126.68	2/3 Years	98.00
8	Jamkhandi	Mowr	Har khet ko pani	Venkateshwar Lift Irrigation Scheme	20975056.69	7200.00	3/4 years	174.42
9	Badami	Mowr	Har khet ko pani	Salapur Lidt Irrigation Scheme	11621315.19	2898.00	2/3 Years	100.00
10	Mudhol	Mowr	Har khet ko pani	Veerabadreshwar Lift Irrigation Scheme	6575963.71	1680.00	1/2 Years	52.59
11	Jamkhandi Bilagi	Mowr	Har khet ko pani	Construction of Galagali Barrage across Krishna River near Galagali Village in Bilagi TQ	47335600.90	3014.16	1 Year	51.00
	Total							**2232.24**

Table : 5-6 :Strategic Action Plan by Major Irrigation Department (Malaprabha Project)

Sl. No.	Name of the Blocks /Sub Districts	Concerned Ministry /Dept.	Component	Activity	Total Number /Capacity (cum)	Command Area / Irrigation Potential (Ha)	Period of Implementation (5/7 years)	Estimated Cost (in Rs. Crore)
1	Badami	Mowr	Har Khet Kot Pani	ERM (Extension, Renovation, Modernisation) of MLBCanal KM 106 to 150 including structures, Distributors, Sub-distributors and Provision for filling the Kendur tank (cost /ha worked out based onEIT ERM estimates for MRB & MLBCanal i.e., 1112 crores for 165000 ha =50000 Rs/ha	0.2 BCM	25032	2/3 Years	125.00
2	Badami	Mowr	Har khet ko pani	Construction of Bridge cum Barrage across Malaprabha river near Nandikeshwar village of Badami Tq	0.00008 BCM	-	2 Years	25.00
3	Badami	Mowr	Har khet ko pani	Construction of Bridge cum Barrage across Malaprabha river near S. K. Alur village of Badami Tq	0.00008 BCM	-	2 years	15.00
	Total							165.00

Table 5-7 : Strategic Action Plan under PMKSY by Upper Krishna Project.

Sl. No	Activity	Command Area/Irrigation Potential in Ha	Water BCM	Component	Period of Implementation (5/7 Years)	Financial requirement in Rs. Crore.
	Ongoing Lift Irrigation Schemes.					
1	Mulwad Lift Irrigation Scheme Stage-III under Malghan West canal (Jamakhandi Taluka portion).	3014.00	0.021	Her Khet Ko Pani	5 years	105.00
2	Herkal (South) & Herkal (North) LIS.	7537.00	0.070	Her Khet Ko Pani	4 years	217.35
3	Construction of Herkal Bridge Cum Barrage near Herkal	--	--	Her Khet Ko Pani	2 years	55.00
4	Timmapur Lift Irrigation Scheme.	20100.00	0.12	Her Khet Ko Pani	1 years	45.00

Sl. No	Activity	Command Area/Irrigation Potential in Ha	Water BCM	Component	Period of Implementation (5/7 Years)	Financial requirement in Rs. Crore.
	NEW PROJECTS PROPOSED					
6	Achanoor & Bhagavati Lift Irrigation scheme by Lifting water from Ghataprabha River near Mugalolli.	6800.00	0.036	Her Khet Ko Pani	2 years	120.00
7	Herkal (South) LIS extension new scheme.	5848.00	0.031	Her Khet Ko Pani	2 years	244.40
8	Yalligutti Lift Irrigation Scheme in Bilagi Taluka. (DRIP)	1200.00	0.0034	Her Khet Ko Pani	2 years	50.00
9	Filling up of Hiresellikeri and Kalabanakeri MI Tank.	---	---	Her Khet Ko Pani	1 years	2.00
10	Filling up of Bevoor, Hallur, Bagavathi & Sangapur MI Tanks.	---	---	Her Khet Ko Pani	1 years	12.00
	TOTAL					**925.75**

Table 5-8: Strategic Action Plan for irrigation in district under PMKSY by Koppal & Nandawadagi Lift Irrigation Projects

Sl. No.	Name of the Project	Name of the Blocks	Concerned Ministry /Department	Component	Activity	Total Number/Capacity (BCM)	Command area/irrigation potential Ha.	Period of implementation (5/7 years)	Estimated cost (Rs.in Crores)
1	Koppal Lift Irrigation Scheme	Hungund and Badami	Ministry Water Resources	Her Khet Ko Pani	Drip Irrigation/Major Irrigation	0.040 BCM	12363.00	5 Years	714.00
2	Nandawadagi Lift Irrigation Scheme	Hungund	Ministry Water Resources	Her Khet Ko Pani	Drip Irrigation/Major Irrigation	0.010 BCM	500.00	5 Years	21.19
					Total		**12863.00**		**735.19**

Table 5-9 : Strategic action plan for completion of CAD W&M Works - fund requirement under PMKSY

Sl. No	Activities	Ghataprabha		Malaprabha		Hipparagi LIS	
		Phy (Ha)	Fin (Lakhs)	Phy (Ha)	Fin (Lakhs)	Phy (Ha)	Fin (Lakhs)
B	**HAR KETH KO PANI**						
1	Survey Planning and Design						
2	On farm Development activities (OFD)						
	a)Construction of field channels	**9502.46**	**2380.370**	**1757.00**	**440.130**	**6805.00**	**1300.000**
3	Field Intermedite and Linked Drains	**62359.50**	**3741.570**	**7231.23**	**433.870**	**6695.00**	**401.700**
4	Correction of system deficiency						
5	Reclamation of water logged area						
	1) Surface drainage	**5071.91**	**1014.380**				
	2) Sub Surface drainage	**10695.10**	**4327.240**				
6	One time grant to registered/elected WUAs						
	1) No. Of Water user socities	**46**	**0.000**	11	0.000	**3**	
	a) Functional grant	**74670.92**	**806.440**	16136.72	174.270	**1890.00**	**22.680**
	b)Infrastructure grant	**132.00**	**66.000**	30.00	15.000		
7	Providing information on digital Map, canal work, clearing of nala works					**7660**	**1.920**
	TOTAL		**12336.000**		**1063.270**		**1726.300**
C	**PER DROP MORE CROP**						
1	b)Micro Irrigation						
2	Software Activities						
	1) a)Training (No. Of farmers) (Agri)	**1877**	**28.155**	**938**	**14.070**		
	b)Training (No. Of farmers) (Co-op)	**250**	**3.750**	**100**	**1.500**	**5734**	**86.010**
	2) Ground Water Monitering						
	3) Adoptive trails					**1420**	**284.000**
3	Evaluation & Impact of CADA works after three years					**1**	**8.000**
	TOTAL		**31.905**		**15.570**		**378.010**
D	**WATERSHED DEVELOPMENT**						
1	Ground water recharge						
2	Development of irrigation through conserved water						
3	Construction of Check dams						
4	Construction of Farm Ponds						
	TOTAL						**0.000**
	OTHERS						
1	Establishments						170.170
2	Aycut roads						
	1) Indentification of Aycut Roads		**25.000**		**25.000**		**5.000**
	2)Improvement and construction of Aycut roads	**90.5**	**600.000**	**90.5**	**600.010**	7	**50.000**
3	Miscllaneous						
	TOTAL		**625.000**		**625.010**		**225.170**
GRAND TOTAL			**12992.905**		**1703.850**		**2329.480**

Sl. No	Activities	Tubachi-Babaleshwar LIS		Veerabhadreshwar LIS		Venkateshwar LIS		TOTAL	
		Phy (Ha)	Fin (Lakhs)	Phy (Ha)	Fin (Lakhs)	Phy (Ha)	Fin (Lakhs)	Phy (Ha)	Fin (Lakhs)
B	HAR KETH KO PANI								
1	Survey Planning and Design								
2	On farm Development activities (OFD)								
	a)Construction of field channels	7920.00	1983.960	1512.00	378.760	6480.00	1623.240	33976.46	8106.460
3	Field Intermedite and Linked Drains	4300.00	258.000	800.00	48.000	3600.00	216.000	84985.73	5099.140
4	Correction of system deficiency								
5	Reclamation of water logged area								
	1) Surface drainage							5071.91	1014.380
	2) Sub Surface drainage							10695.10	4327.240
6	One time grant to registered/elected WUAs								
	1) No. Of Water user socities	17		3	0.000	14		94.00	0.000
	a) Functional grant	8800.00	105.600	1680	20.160	7200	86.400	110377.64	1215.550
	b)Infrastructure grant	17.00	8.5000	3.00	1.5000	14.00	7.0000	196.00	98.000
7	Providing information on digital Map, canal work, clearing of nala works	8800	2.200	1680	0.420	7200	1.800	25340.00	6.340
	TOTAL		2358.260		448.840		1934.440		19867.110
C	PER DROP MORE CROP								
1	b)Micro Irrigation	880	440.000	168	84.000	720	360.000	1768.00	884.000
2	Software Activities								
	1) a)Training (No. Of farmers) (Agri)							2815.00	42.225
	b)Training (No. Of farmers) (Co-op)	800	20.000	800	12.000	800	16.000	8484.00	139.260
	2) Ground Water Monitering								
	3) Adoptive trails	50	12.500	8	1.600	36	9.000	1514.00	307.100
3	Evaluation & Impact of CADA works after three years	1	8.000	1	8.000	1	8.000	4.00	32.000
	TOTAL		480.500		105.600		393.000		1404.585
D	WATERSHED DEVELOPMENT								
1	Ground water recharge								
2	Development of irrigation through conserved water								
3	Construction of Check dams								
4	Construction of Farm Ponds								
	TOTAL		0.000		0.000		0.000		
	OTHERS								
1	Establishments		268.200		51.110		219.920		709.400
2	Aycut roads								
	1) Indentification of Aycut Roads		5.000		5.000		5.000		70.000
	2)Improvement and construction of Aycut roads	7	50.000	7.5	50.000	14	100.000	216.50	1450.010
3	Miscllaneous								
	TOTAL		323.200		106.110		324.920		2229.410
GRAND TOTAL			3161.960		660.550		2652.360		23501.105

Table 5-10 : ACTION PLAN FOR COMPLETION OF CAD&WM WORKS
Name of the project: Upper Krishna Project

Sl. No.	Activities	Unit	SONNA Rolli Mannikeri		Teggi Siddapur	
			Programme for the Years 2016-2021		Programme for the Years 2016-2021	
			Phy	Fin (Lakhs)	Phy	Fin (Lakhs)
1	Establishment			14.86		12.64
2	Survey Planning and Design		175.04	2.10	220	2.64
3	On farm Development activities (OFD)					
	a)Construction of field channels	Ha	175.04	61.26	220	77
	b)Micro Irrigation	Ha	230.00	115.00	166.64	83.32
4	Field Intermedite and Linked Drains	Ha	630.00	37.80	65	3.9
5	Correction of system deficiency			-	-	-
6	Reclamation of water logged area			-	-	-
	1) Surface drainage	Ha	60.00	12.00	15	3
	2) Sub Surface drainage	Ha	75.00	37.50	85	42.5
7	Providing information on digital Map, canal work, clearing of nala works			10.00		10
8	Aycut roads					
	1) Indentification of Aycut Roads					
	2)Improvement and construction of Aycut roads	Km	6.00	240.00		
9	One time grant to registered/elected WUAs					
	1) No. Of Water user socities					
	a) Functional grant	Nos	8.00	41.52	6	31.14
	b)Infrastructure grant	Nos	8.00	24.00	6	18
10	Ground water recharge	Nos	1	20.00	1	20
11	Development of irrigation through conserved water	Nos	1	20.00	1	20
12	Software Activities					
	1) Training (No. Of framers)	Nos	300.00	30.00	3225	32.25
	2) Ground Water Monitering			10.00		10
	3) Adoptive trails			10.00		10
13	Evaluation and impact of CADA works after 3 years			10.00		10
14	Miscllaneous			3.96		3.61
TOTAL				**700.0**		**390.0**

Sl. No.	Activities	Unit	Herkal		Almatti Right Bank Canal	
			Programme for the Years 2016-2021		Programme for the Years 2016-2021	
			Phy	Fin (Lakhs)	Phy	Fin (Lakhs)
1	Establishment			0		41.4
2	Survey Planning and Design		9000	0	939.4	11.27
3	On farm Development activities (OFD)					
	a)Construction of field channels	Ha	0	0	261.4	91.49
	b)Micro Irrigation	Ha	900	450	678	339
4	Field Intermedite and Linked Drains	Ha			435	26.1
5	Correction of system deficiency				-	-
6	Reclamation of water logged area				-	-
	1) Surface drainage	Ha			312	62.4
	2) Sub Surface drainage	Ha			468	234
7	Providing information on digital Map, canal work, clearing of nala works			10		10
8	Aycut roads					
	1) Indentification of Aycut Roads					
	2)Improvement and construction of Aycut roads	Km	25	1000	8	320
9	One time grant to registered/elected WUAs					
	1) No. Of Water user socities					
	a) Functional grant	Nos	22	114.18	22	114.18
	b)Infrastructure grant	Nos	22	66	22	66
10	Ground water recharge	Nos	1	20	1	20
11	Development of irrigation through conserved water	Nos	1	20	1	20
12	Software Activities					
	1) Training (No. Of framers)	Nos	9200	92	9200	92
	2) Ground Water Monitering			10		10
	3) Adoptive trails			10		10
13	Evaluation and impact of CADA works after 3 years			10		10
14	Miscllaneous			2.82		12.16
TOTAL				**1805.0**		**1490.0**

Sl. No.	Activities	Unit	Ramthal LIS		Thimmapur		Total Programme for the Years 2016-2021	
			Programme for the Years 2016-2021		Programme for the Years 2016-2021			
			Phy	Fin (Lakhs)	Phy	Fin (Lakhs)	Phy	Fin (Lakhs)
1	Establishment			24.36		181.73	0.00	274.98
2	Survey Planning and Design		550.00	6.60	3021.40	36.26	13905.84	58.87
3	On farm Development activities (OFD)							
	a)Construction of field channels	Ha	550.00	192.49	3021.40	1057.49	4227.84	1479.73
	b)Micro Irrigation	Ha	260.00	130.00	2010.00	1005.00	4244.64	2122.32
4	Field Intermedite and Linked Drains	Ha	650.00	39.00	3618.00	217.08	5398.00	323.88
5	Correction of system deficiency		-	-	-	-	-	-
6	Reclamation of water logged area		-	-	-	-	-	-
	1) Surface drainage	Ha	500.00	100.00	201.00	40.20	1088.00	217.60
	2) Sub Surface drainage	Ha	300.00	150.00	1005.00	502.50	1933.00	966.50
7	Providing information on digital Map, canal work, clearing of nala works			10.00		25.00	0.00	75.00
8	Aycut roads							
	1) Indentification of Aycut Roads							
	2)Improvement and construction of Aycut roads	Km	20.00	800.00	10.00	400.00	69.00	2760.00
9	One time grant to registered/elected WUAs							
	1) No. Of Water user socities							
	a) Functional grant	Nos	33	114.18	45	233.55	136.00	648.75
	b)Infrastructure grant	Nos	33	66.00	45	135.00	136.00	375.00
10	Ground water recharge	Nos	1	20.00	1	20.00	6.00	120.00
11	Development of irrigation through conserved water	Nos	1	20.00	1	20.00	6.00	120.00
12	Software Activities							
	1) Training (No. Of framers)	Nos	13600	136.00	18600	635.00	54125	1017.25
	2) Ground Water Monitering			10.00		10.00	0.00	60.00
	3) Adoptive trails			10.00		10.00	0.00	60.00
13	Evaluation and impact of CADA works after 3 years			10.00		10.00	0.00	60.00
14	Miscllaneous			3.17		6.20	0.00	31.92
TOTAL				**1841.8**		**4545.0**		**10771.8**

Table 5-11 : Strategic Action plan for Irrigation in District under PMKSY by Minor Irrigation Department

Sl. No.	District	Taluka	Name of the Activity	Component	Estd. Cost (Rs. In Lakhs)	Potential planned in Ha.	Cost per Ha.
1	2	3	4	5	6	7	8
1	Bagalkot	Badami	Barrage across Malaprabha river Between Benakanawari Sabbal hunasi	Har Khet Ko Pani	450.00	189.00	2.38
2	Bagalkot	Badami	Construction of LIS for Filling M.I. Tank Bellikhindi	Har Khet Ko Pani	16000.00	248.00	64.52
3	Bagalkot	Badami	Construction of LIS for Filling M.I. Tank Rangasamudra	Har Khet Ko Pani	2500.00	955.00	2.62
4	Bagalkot	Badami	Construction of LIS for Filling M.I. Tank Malagi	Har Khet Ko Pani	600.00	123.00	4.88
5	Bagalkot	Badami	Construction of LIS for Filling M.I. Tank Hullikeri	Har Khet Ko Pani	250.00	76.00	3.29
6	Bagalkot	Badami	Construction of LIS for Filling M.I. Tank Kallapur	Har Khet Ko Pani	800.00	125.00	6.40
7	Bagalkot	Badami	Construction of LIS for Filling M.I. Tank Kotekal	Har Khet Ko Pani	1200.00	128.00	9.38
8	Bagalkot	Badami	Construction of LIS for Filling- M.I. Tank Kendur	Har Khet Ko Pani	900.00	182.00	4.95
9	Bagalkot	Badami	Construction of LIS for Filling M.I. Tank Khanapur	Har Khet Ko Pani	200.00	102.00	1.96
10	Bagalkot	Badami	Construction of LIS for FillingM.I. Tank Parvati& Ganjikere	Har Khet Ko Pani	600.00	51.00	11.76
11	Bagalkot	Badami	Construction of LIS for Filling- M.I. Tank Kelavadi	Har Khet Ko Pani	450.00	58.00	7.76
12	Bagalkot	Badami	Construction of LIS for lands of villages reddeyar timmapur, Haligeri, Neeralakeri, tappasakatti and kallapur and kaknur of badami Taluka.	Har Khet Ko Pani	1600.00	2000.00	0.80
13	Bagalkot	Badami	Construction of Barrage across Midachihalla near Yandigeri-Kadarkoppa Road	Har Khet Ko Pani	150.00	90.00	1.67
14	Bagalkot	Badami	Construction of Barrage across Halla near Halakurki	Har Khet Ko Pani	50.00	60.00	0.83
15	Bagalkot	Badami	Construction of Barrage near Chimmalagi	Har Khet Ko Pani	200.00	80.00	2.50
16	Bagalkot	Bagalkot	Barrage near Bodanayakdinni	Har Khet Ko Pani	100.00	45.00	2.22
17	Bagalkot	Bagalkot	Barrage near Shirur(Site-1)	Har Khet Ko Pani	100.00	45.00	2.22
18	Bagalkot	Bagalkot	Barrage near Shirur(Site-2)	Har Khet Ko Pani	120.00	51.00	2.35
19	Bagalkot	Bagalkot	Barrage across Halla near Bilkerur	Har Khet Ko Pani	100.00	49.00	2.03
20	Bagalkot	Bagalkot	Mallapur Lift Irrigation Scheme	Har Khet Ko Pani	8000.00	2000.00	4.00
21	Bagalkot	Bagalkot	Benakatti Lift Irrigation Scheme	Har Khet Ko Pani	8000.00	2000.00	4.00
22	Bagalkot	Bagalkot	Neeralakeri Lift Irrigation Scheme	Har Khet Ko Pani	8000.00	2000.00	4.00
23	Bagalkot	Bagalkot	Mallapur Barrage cum Bridge to Ghataprabha River	Har Khet Ko Pani	4500.00	1000.00	4.50

Sl. No.	District	Taluka	Name of the Activity	Component	Estd. Cost (Rs. In Lakhs)	Potential planned in Ha.	Cost per Ha.
1	2	3	4	5	6	7	8
24	Bagalkot	Bagalkot	Mallapur Barrage cum Bridge to backwater of Alamatti Resevior.	Har Khet Ko Pani	500.00	600.00	0.83
25	Bagalkot	Bagalkot	Construction of Barrage across Halla near Bodanayakadinni	Har Khet Ko Pani	100.00	93.00	1.08
26	Bagalkot	Hungund	BCB near Kamatagi-Benakatti	Har Khet Ko Pani	100.00	49.00	2.04
27	Bagalkot	Hungund	Kesarbavi-Ilkal BCB	Har Khet Ko Pani	125.00	53.00	2.36
28	Bagalkot	Hungund	BCB on Binjwadagi-Ramwadagi Road	Har Khet Ko Pani	150.00	65.00	2.31
29	Bagalkot	Hungund	BCB on Jetteganur-Hagedal Road	Har Khet Ko Pani	200.00	82.00	2.44
30	Bagalkot	Hungund	Barrage across Malaprabha River near Nimbalagundi(Aihole)	Har Khet Ko Pani	500.00	215.00	2.33
31	Bagalkot	Hungund	Barrage across Nala near Huliginal	Har Khet Ko Pani	80.00	40.00	2.12
32	Bagalkot	Hunagund	Construction of LIS for Filling Medium Irrigation Tank at Chitawadagi	Har Khet Ko Pani	14500.00	890.00	16.29
33	Bagalkot	Hunagund	Construction of LIS for Filling M.I. Tank Arasibidi	Har Khet Ko Pani	2000.00	230.00	8.70
34	Bagalkot	Hunagund	Construction of LIS for Filling M.I. Tank Balakundi	Har Khet Ko Pani	22500.00	1364.00	16.50
35	Bagalkot	Hunagund	Construction of LIS for Filling M.I. Tank Chickodalagi	Har Khet Ko Pani	25000.00	389.00	64.27
36	Bagalkot	Hunagund	Construction of LIS for Filling M.I. Tank Hiresinganagutti	Har Khet Ko Pani	20000.00	842.00	23.75
37	Bagalkot	Hunagund	Construction of LIS for Filling M.I. Tank Kellur	Har Khet Ko Pani	300.00	86.00	3.49
38	Bagalkot	Hunagund	Construction of LIS for Filling- M.I. Tank Bisnal	Har Khet Ko Pani	250.00	97.00	2.58
39	Bagalkot	Hungund	Construction of B.C.B. across Halla near Ingalagi-Kadiwal	Har Khet Ko Pani	150.00	153.00	0.98
40	Bagalkot	Hungund	Construction of B.C.B. near Gattiganur-Hagedal	Har Khet Ko Pani	200.00	60.00	3.33
41	Bagalkot	Jamakhandi	Improvements of Kumbar Percolation Tank	Har Khet Ko Pani	200.00	20.00	10.00
42	Bagalkot	Jamakhandi	Improvements of Percolation Tank near Terdal Town	Har Khet Ko Pani	60.00	0.00	0.00
43	Bagalkot	Jamakhandi	Improvements of Chimmad Tank	Har Khet Ko Pani	65.00	40.00	1.63
44	Bagalkot	Mudhol	Construction of Barrage near Chinchakhandi	Har Khet Ko Pani	200.00	75.00	2.67
45	Bagalkot	Mudhol	Construction of Bandhara near Sanganatti	Har Khet Ko Pani	75.00	40.00	1.88
46	Bagalkot		**62 Tanks**		3100.00		
				GRAND TOTAL	**145225.00**	**17147.00**	**330.56**
				Say :-	**1452.25**	**Crores**	

Table : 5-12 : Strategic Action Plan (Per drop more crop)

Sl. No.	Name of the Blocks /Sub Districts	Concerned Ministry /Department	Component	Activity	Total Number (ha) /Capacity (cum)	Command Area / Irrigation Potential (Ha)	Period of Implementation (5/7 years)	Estimated Cost (in Rs. Crore)
Water Saving Structures (Micro Irrigation)								
1	Badami	MOA &FW-DAC &FW	Per drop more crop (Micro Irrigation)	DPAP Drip	4000	4000	5 years	36.000
2	Bagalkot	MOA &FW-DAC &FW	Per drop more crop (Micro Irrigation)	DPAP Drip	3000	3000	5 years	27.000
3	Bilagi	MOA &FW-DAC &FW	Per drop more crop (Micro Irrigation)	DPAP Drip	4000	4000	5 years	36.000
4	Hungund	MOA &FW-DAC &FW	Per drop more crop (Micro Irrigation)	DPAP Drip	4000	4000	5 years	36.000
5	Jamkhandi	MOA &FW-DAC &FW	Per drop more crop (Micro Irrigation)	DPAP Drip	8000	8000	5 years	72.000
6	Mudhol	MOA &FW-DAC &FW	Per drop more crop (Micro Irrigation)	DPAP Drip	8000	8000	5 years	72.000
				Total Drip	**31000**	**31000**		**279.000**

Sl. No.	Name of the Blocks /Sub Districts	Concerned Ministry /Department	Component	Activity	Total Number (ha) /Capacity (cum)	Command Area / Irrigation Potential (Ha)	Period of Implementation (5/7 years)	Estimated Cost (in Rs. Crore)
1	Badami	MOA &FW-DAC &FW	Per drop more crop (Micro Irrigation)	DPAP Sprinkler	12000	12000	5 years	21.168
2	Bagalkot	MOA &FW-DAC &FW	Per drop more crop (Micro Irrigation)	DPAP Sprinkler	8000	8000	5 years	14.112
3	Bilagi	MOA &FW-DAC &FW	Per drop more crop (Micro Irrigation)	DPAP Sprinkler	7000	7000	5 years	12.348
4	Hungund	MOA &FW-DAC &FW	Per drop more crop (Micro Irrigation)	DPAP Sprinkler	12000	12000	5 years	21.168
5	Jamkhandi	MOA &FW-DAC &FW	Per drop more crop (Micro Irrigation)	DPAP Sprinkler	8000	8000	5 years	14.112
6	Badami	MOA &FW-DAC &FW	Per drop more crop (Micro Irrigation)	DPAP Sprinkler	7000	7000	5 years	12.347
				Total Sprinkler	54000	54000		95.255
Total for the District					**85000**	**85000**		**374.255**

PMKSY (WATERSHED)

Table 5-13 : Fund Required from PMKSY (IWMP) ongoing projects

Fund required from PMKSY (IWMP) ongoing projects								(Rs. in Lakhs)
Sl.No.	**Block**	**Project**	**1 Year**	**2 Year**	**3 Year**	**4 Year**	**5 Year**	**Total**
1	Bagalkot	IWMP-1	51.70	-	-	-	-	51.70
2	Jamakhandi	IWMP-2	28.74	-	-	-	-	28.74
3	Badami	IWMP-3	44.43	-	-	-	-	44.43
4	Hunagund	IWMP-4	63.33	-	-	-	-	63.33
5	Badami	IWMP-5	30.00	33.66	-	-	-	63.66
6	Hunagund	IWMP-6	23.53	30.00	-	-	-	53.53
7	Badami	IWMP-7	14.97	20.00	-	-	-	34.97
8	Hunagund	IWMP-8	30.00	34.06	-	-	-	64.06
9	Hunagund	IWMP-9	63.68	119.08	-	-	-	182.76
10	Badami	IWMP-10	50.00	49.22	-	-	-	99.22
11	Bagalkot	IWMP-11	20.00	18.39	-	-	-	38.39
12	Jamakhandi	IWMP-12	58.52	70.85	70.90	50.40	34.16	284.83
13	Hunagund	IWMP-13	26.03	250.00	240.00	120.00	22.40	658.43
14	Hunagund	IWMP-14	27.85	208.30	210.00	90.00	15.85	552.00
15	Badami	IWMP-15	33.28	230.00	210.00	150.00	29.22	652.50
		Total	**566.06**	**1075.26**	**730.90**	**410.40**	**99.38**	**2872.55**
Activity to be taken								
		Bunding in ha.	230	2800	2060	1810	-	**6900**
		Check Dam in no.	77	67	39	32	10	**225**
		Nalabund in no.	3	8	5	4	2	**22**
		Percolation Tank in no.	6	15	14	10	4	**49**
		Farm pond in no.	14	30	22	34	22	**122**
		Forest in ha.	377	2050	1430	1080	-	**4937**
		Horticulture in ha.	400	1010	870	690	-	**2970**
		Total	**1107**	**5980**	**4440**	**3660**	**38**	**15225**

Table 5-14 : PROPOSED PMKSY-WD PROJECTS

BAGALKOT District (XIVth Plan)

Sl. No.	Year	Cost Rs. Lakhs	No. of Micros	Area (Ha)	Proposed Activities						
					Bunding	Check Dam	Nala bund	Percolation Tank	Farm pond	Forest	Horti culture
1	First Year	2902.95	39	19353	10000	130	22	34	39	4830	3220
2	Second Year	2954.70	36	19698	10500	132	20	36	42	4910	3280
3	Third Year	2749.35	31	18329	10000	126	21	33	30	4580	3055
	Total	**8607.00**	**106**	**57380**	**30500**	**388**	**63**	**103**	**111**	**14320**	**9555**

Table 5-15 :Water Storage Capacity of WHS & Bunding for All Schemes

Sl. No.	Scheme	Activity	No/RMT	Per Activity Storage in Cu. Mtr.	Total Storage in Cu. Mtr.
1	PMKSY-WD Ongoing Projects	Bunding	690000 Rmt	0.65 Cu. Mtr.	448500
		Check Dam	225 No.	1450 Cu. Mtr.	326250
		Nalabund	22 No.	2450 Cu. Mtr.	53900
		Percolation Tank	49 No.	2160 Cu. Mtr.	105840
		Farm pond	122 No.	350 Cu. Mtr.	42700
2	PMKSY-WD Proposed Projects	Bunding	3050000 Rmt	0.65 Cu. Mtr.	1982500
		Check Dam	388 No.	1450 Cu. Mtr.	562600
		Nalabund	63 No.	2450 Cu. Mtr.	154350
		Percolation	103 No.	2160 Cu. Mtr.	222480
		Farm pond	111 No.	350 Cu. Mtr.	38850
3	PMKSY OI (PDMC) Ongoing & Proposed Projects	Farm pond	835 No.	950 Cu. Mtr.	793250
		Check Dam	312 No.	1750 Cu. Mtr.	546000
		Percolation Tank	123 No.	2640 Cu. Mtr.	324720
		Nalabund	99 No.	2880 Cu. Mtr.	285120
4	PMKSY-(OI) Most Vulnerable Taluks	Farm pond	5000 No.	950 Cu. Mtr.	4750000
		NB/PT	144 No.	2400 Cu. Mtr.	345600
5	PMKSY-WD-MGNREGA Convergence	Bunding	7600000 No.	0.65 Cu. Mtr.	4940000
		Farm pond	8100 No.	950 Cu. Mtr.	7695000
		CD/PT	1440 No.	1800 Cu. Mtr.	2592000
	Total				**26209660**

Table 5-16 : Ongoing Watershed Activity
Ongoing Projects PMKSY (IWMP)

Sl.No.	Block	Project	Year	Area (Ha)	No. of Micros	Project Cost Rs. Lakhs
1	Bagalkot	IWMP-1	2009-10	3295.0	5	494.25
2	Jamakhandi	IWMP-2	"	2956.0	5	389.40
3	Badami	IWMP-3	"	5145.0	10	771.75
4	Hunagund	IWMP-4	"	5953.0	10	892.95
5	Badami	IWMP-5	2010-11	4882.0	9	732.30
6	Hunagund	IWMP-6	"	5278.0	9	791.70
7	Badami	IWMP-7	"	3634.0	7	545.10
8	Hunagund	IWMP-8	"	5166.0	8	774.90
9	Hunagund	IWMP-9	2011-12	5063.0	9	759.45
10	Badami	IWMP-10	"	4788.0	9	718.20
11	Bagalkot	IWMP-11	"	2091.0	4	313.65
12	Jamakhandi	IWMP-12	2012-13	3589.0	6	538.35
13	Hunagund	IWMP-13	2013-14	4553.4	11	683.01
14	Hunagund	IWMP-14	2014-15	3680.0	6	552.00
15	Badami	IWMP-15	"	4350.0	9	652.50
Total				**64423.4**	**117**	**9609.51**

Total to be Treated Micros of Bagalkot District

Sl. No.	Block	Micro Code	Area (ha)
1	Bagalkot	4D7C2I2c	382.62
2	"	4D7C2I2d	414.45
Bagalkot Total			**797.07**
3	Hunagund	4D7C2H2c	414.42
4	"	4D7C1F1a	698.34
5	"	4D7C1F1b	502.26
6	"	4D7C1F1d	578.77
7	"	4D7C1F1e	683.55
8	"	4D7B5O1d	86.66
9	"	4D7B5O1c	294.60
10	"	4D7C1D2a	655.71
11	"	4D7C1D1c	548.32
12	"	4D7C1D1d	706.03
13	"	4D7C1D1e	254.99
14	"	4D7C1D2a	655.71
15	"	4D7B5P1b	582.77
16	"	4D7B5P1a	419.30
17	"	4D7B5N1b	441.96
18	"	4D7B5O2d	104.71
19	"	4D7B5N1c	483.80
20	"	4D7B5N1d	663.80
21	"	4D7B5N1e	752.54
22	"	4D7B5N1f	404.88
23	"	4D7B5N2a	599.62
24	"	4D7B5N2e	229.73
25	"	4D7B5N2f	671.13
26	"	4D7B5N2h	902.49
27	"	4D7C1I1d	839.54

28	"	4D7B5M1c	496.19

Sl. No.	Block	Micro Code	Area (ha)
29	"	4D7B5M1d	670.36
30	"	4D7B5M1e	697.22
31	"	4D7B5M2a	479.36
32	"	4D7B5B1a	580.54
33	"	4D7B5F2c	447.92
34	"	4D7B5F2d	614.32
35	"	4D7B5B1c	639.13
36	"	4D7B5A1f	222.59
37	"	4D7B5A2b	192.47
38	"	4D7B5A2a	547.10
39	"	4D7B5A2e	116.29
40	"	4D7B5A2c	424.27
41	"	4D7B5A2d	49.83
42	"	4D7B5F2d	614.32
43	"	4D7B5F2c	447.92
44	"	4D7B5F2b	516.85
45	"	4D7B5C2d	731.97
46	"	4D7B5C2c	703.50
47	"	4D7B5C2b	818.17
48	"	4D7B5C2a	685.83
49	"	4D7B5G2e	595.62
50	"	4D7B5G2b	691.33
51	"	4D7B5G1c	423.20
52	"	4D7B5G1a	351.08
53	"	4D7B5G1b	604.27
54	"	4D7B5H1c	548.39
55	"	4D7B5H1a	309.71
56	"	4D7B5H1b	463.96
57	"	4D7B5H1d	446.20

58	"	4D7B5I1e	432.78

Sl. No.	Block	Micro Code	Area (ha)
59	"	4D7B5E2a	454.33
60	"	4D7B5E2b	191.03
61	"	4D7B5E2c	391.19
62	"	4D7B5E2d	468.23
63	"	4D7B5E2e	411.93
64	"	4D7B5E2f	697.83
65	"	4D7B5D1c	634.21
66	"	4D7B5D1d	478.68
67	"	4D7B5D1e	453.14
68	"	4D7B5C1a	846.06
69	"	4D7B5C1b	676.17
70	"	4D7B5C1c	575.53
71	"	4D7B5C2a	685.83
72	"	4D7B5C2b	818.17
73	"	4D7B5C2c	703.50
74	"	4D7B5C2d	731.97
75	"	4D7A6H1d	533.19
76	"	4D3A6H1e	188.29
77	"	4D3A6I1a	373.16
Hunagund Total			**39050.76**
78	Badami	4D7D1K1c	416.34
79	"	4D7D1K1a	564.52
80	"	4D7D1K1b	885.92
81	"	4D7D1K2a	802.82
82	"	4D7C2C2b	509.17
83	"	4D7C2C2d	658.24
84	"	4D7C2C1b	512.15
85	"	4D7C2C1a	608.94
86	"	4D7D1F1a	725.44
87	"	4D7D1F1c	635.59
88	"	4D7D1D1f	518.59
89	"	4D7D1D2b	815.92
90	"	4D7C7O1e	205.48

91	"	4D7C7O2e	595.89
92	"	4D7C7O2t	662.06

Sl. No.	Block	Micro Code	Area (ha)
93	"	4D7C7R2a	555.35
94	"	4D7C7R1d	1095.91
95	"	4D7C7R1b	559.06
96	"	4D7C2A1b	408.89
97	"	4D7C7S1b	600.11
98	"	4D7C7S1d	313.23
99	"	4D7C7S1c	606.15
100	"	4D7C7S2a	486.93
101	"	4D7C7S2b	642.71
102	"	4D7C7S2c	1065.67
103	"	4D7C7X1a	645.01
104	"	4D7C7X1c	606.31
105	"	4D7C7X1d	434.65
106	"	4D7C7X2c	415.35
Badami Total			**17552.40**
District Total			**57400.23**

Table 5-17 :Taluka wise Saturation Action Plan of Most vulnerable taluks under PMKSY-(OI)-MGNREGA

Sl. No.	Name of Taluka	Component	Name of the Work	Depart ment	Saturation Plan Year Wise										Total Phy.	Total Fin.
					1St Year		2nd Year		3rd Year		4th Year		5th Year			
					Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.		
1	2	3	4	5	6	7	6	7	6	7	6	7	6	7	12	13
1	Bagalkot	FP of KBY & other WHS	FP	Agriculture	250	360.00	500	720.00	500	720.00	500	720.00	450	648.00	2200	3168.00
2		NB/PT/Gokatte	NB/PT	"	0	0	20	80.00	20	80.00	20	80.00	6	24.00	66	264.00
3		Desilting of Tank	Desilting	PRED	10	250.00	8	680.00	8	680.00	8	680.00	7	590.00	41	2880.00
4		M. check dam	check dam	"	44	346.00	25	410.00	25	410.00	25	410.00	21	344.00	140	1920.00
5		Tank Rejuvenation	Desilting	Minor Irrigation	3	859.00	2	176.00	2	176.00	1	89.00	0	0	8	1300.00
		Total			**307**	**1815.00**	**555**	**2066.00**	**555**	**2066.00**	**554**	**1979.00**	**484**	**1606.00**	**2455**	**9532.00**
1	Badami	FP of KBY & other WHS	FP	Agriculture	285	410.40	650	936.00	650	936.00	650	936.00	565	813.60	2800	4032.00
2		NB/PT/Gokatte	NB/PT	"	0	0	25	100.00	25	100.00	25	100.00	3	12.00	78	312.00
3		Desilting of Tank	Desilting	PRED	5	285.00	25	963.00	25	963.00	25	963.00	8	309.00	88	3483.00
4		M. check dam	check dam	PRED	46	466.00	70	862.00	70	862.00	70	862.00	62	763.96	318	3815.96
5		Tank Rejuvenation	Desilting	Minor Irrigation	4	808.60	2	223.00	2	223.00	2	223.00	2	222.40	12	1700.00
		Total			**340**	**1970.00**	**772**	**3084.00**	**772**	**3084.00**	**772**	**3084.00**	**640**	**2120.96**	**3296**	**13342.96**
		District Total			**647**	**3785.00**	**1327**	**5150.00**	**1327**	**5150.00**	**1326**	**5063.00**	**1124**	**3726.96**	**5751**	**22874.96**

Construction of 5000 nos Farm Ponds & 144 nos. Nala Bund/PT, 4612.50 TCM rain water stored in this structures approximately 4612.50 ha. area will be irrigated in one time crop will be survival.

Table 5-18 : PMKSY(WD)-MGNREGA Convergence Plan for DIP

Rs in lakhs

Sl. No.	Block	Component	Name of the work	1St Year		2nd Year		3rd Year		4th Year		5th Year		Total	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Badami	Soil & Water Conservation Activities (ha)	Tranch Bund	5000	600.0	5000	600.0	5000	600.0	3000	360.0	2000	240.0	**20000**	**2400.0**
			CD/PT	60	270.0	60	270.0	60	270.0	35	157.5	35	157.5	**250**	**1125.0**
		Afforesation Activities (ha)	Planting	2500	200.0	2500	200.0	2500	200.0	1500	120.0	1000	80.0	**10000**	**800.0**
		Dryland Horticulture Activities (ha)	Planting	1800	216.0	1800	216.0	1800	216.0	1500	180.0	1100	132.0	**8000**	**960.0**
		Recharge of Bore well	Recharge Pit	900	225.0	900	225.0	900	225.0	764	191.0	763	190.8	**4227**	**1056.8**
		Block Total		**10260**	**1511.0**	**10260**	**1511.0**	**10260**	**1511.0**	**6799**	**1008.5**	**4898**	**800.3**	**42477**	**6341.8**
2	Bagalkot	Soil & Water Conservation Activities (ha)	Tranch Bund	2500	300.0	2500	300.0	2500	300.0	1500	180.0	1000	120.0	**10000**	**1200.0**
			CD/PT	35	157.5	35	157.5	35	157.5	25	112.5	20	90.0	**150**	**675.0**
		Afforesation Activities (ha)	Planting	1500	120.0	1500	120.0	1500	120.0	1000	80.0	500	40.0	**6000**	**480.0**
		Dryland Horticulture Activities (ha)	Planting	1000	120.0	100	120.0	100	120.0	500	60.0	500	60.0	**2200**	**480.0**
		Recharge of Bore well	Recharge Pit	1000	250.0	1000	250.0	1000	250.0	959	239.8	959	239.8	**4918**	**1229.5**
		Block Total		**6035**	**947.5**	**5135**	**947.5**	**5135**	**947.5**	**3984**	**672.3**	**2979**	**549.8**	**23268**	**4064.5**

Sl. No.	Block	Component	Name of the work	1St Year		2nd Year		3rd Year		4th Year		5th Year		Total	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
3	Hunagund	Soil & Water Conservation Activities (ha)	Tranch Bund	8000	960.0	8000	960.0	8000	960.0	3000	360.0	3000	360.0	**30000**	**3600.0**
			Farm pond	1100	1584.0	1100	1584.0	1100	1584.0	900	1296.0	800	1152.0	**5000**	**7200.0**
			CD/PT	90	405.0	90	405.0	90	405.0	65	292.5	65	292.5	**400**	**1800.0**
		Afforesation Activities (ha)	Planting	3400	272.0	3400	272.0	3400	272.0	2400	192.0	2400	192.0	**15000**	**1200.0**
		Dryland Horticulture Activities (ha)	Planting	2500	300.0	2500	300.0	2500	300.0	1500	180.0	1000	120.0	**10000**	**1200.0**
		Recharge of Bore well	Recharge Pit	300	75.0	300	75.0	300	75.0	217	54.3	217	54.3	**1334**	**333.5**
		Block Total		**15390**	**3596.0**	**15390**	**3596.0**	**15390**	**3596.0**	**8082**	**2374.8**	**7482**	**2170.8**	**61734**	**15333.5**
4	Bilagi	Soil & Water Conservation Activities (ha)	Tranch Bund	1100	132.0	1100	132.0	1100	132.0	900	108.0	800	96.0	**5000**	**600.0**
			Farm pond	250	360.0	250	360.0	250	360.0	130	187.2	120	172.8	**1000**	**1440.0**
			CD/PT	26	117.0	26	117.0	26	117.0	22	99.0	20	90.0	**120**	**540.0**
		Afforesation Activities (ha)	Planting	700	56.0	700	56.0	700	56.0	500	40.0	400	32.0	**3000**	**240.0**
		Dryland Horticulture Activities (ha)	Planting	500	60.0	500	60.0	500	60.0	250	30.0	250	30.0	**2000**	**240.0**
		Recharge of Bore well	Recharge Pit	1000	250.0	1000	250.0	1000	250.0	836	209.0	835	208.8	**4671**	**1167.8**
		Block Total		**3576**	**975.0**	**3576**	**975.0**	**3576**	**975.0**	**2638**	**673.2**	**2425**	**629.6**	**15791**	**4227.8**

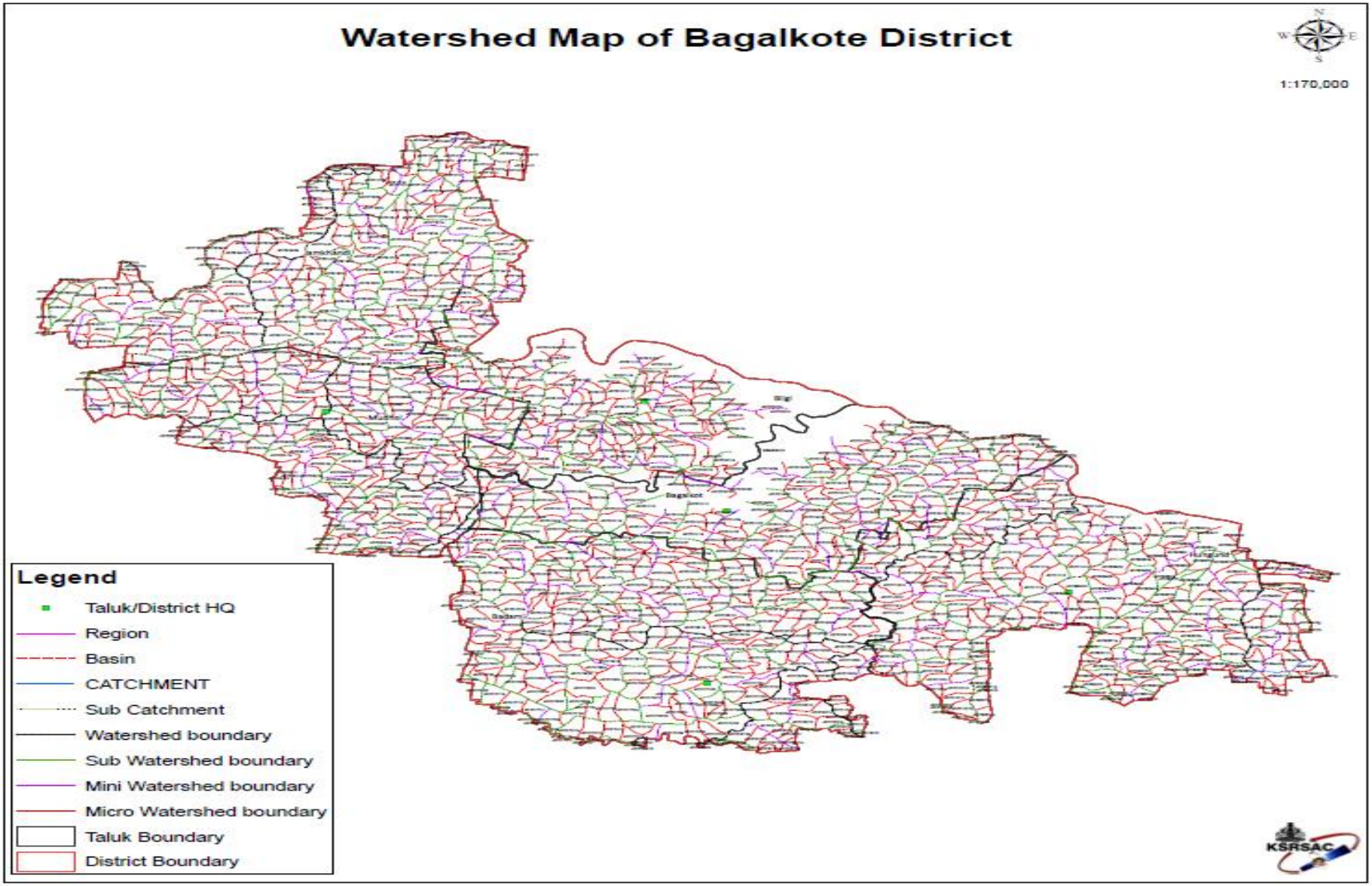
Sl. No.	Block	Component	Name of the work	1St Year		2nd Year		3rd Year		4th Year		5th Year		Total	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
5	Mudhol	Soil & Water Conservation Activities (ha)	Tranch Bund	1100	132.0	1100	132.0	1100	132.0	900	108.0	800	96.0	**5000**	**600.0**
			Farm pond	200	288.0	200	288.0	200	288.0	150	216.0	150	216.0	**900**	**1296.0**
			CD/PT	26	117.0	26	117.0	26	117.0	22	99.0	20	90.0	**120**	**540.0**
		Afforesation Activities (ha)	Planting	700	56.0	700	56.0	700	56.0	500	40.0	400	32.0	**3000**	**240.0**
		Dryland Horticulture Activities (ha)	Planting	500	60.0	500	60.0	500	60.0	250	30.0	250	30.0	**2000**	**240.0**
		Recharge of Bore well	Recharge Pit	1500	375.0	1500	375.0	1500	375.0	1254	313.5	1254	313.5	**7008**	**1752.0**
		Block Total		**4026**	**1028.0**	**4026**	**1028.0**	**4026**	**1028.0**	**3076**	**806.5**	**2874**	**777.5**	**18028**	**4668.0**
6	Jamakhandi	Soil & Water Conservation Activities (ha)	Tranch Bund	1500	180.0	1500	180.0	1500	180.0	800	96.0	700	84.0	**6000**	**720.0**
			Farm pond	250	360.0	250	360.0	250	360.0	250	360.0	200	288.0	**1200**	**1728.0**
			CD/PT	100	450.0	100	450.0	100	450.0	50	225.0	50	225.0	**400**	**1800.0**
		Afforesation Activities (ha)	Planting	1000	80.0	1000	80.0	1000	80.0	500	40.0	500	40.0	**4000**	**320.0**
		Dryland Horticulture Activities (ha)	Planting	650	78.0	650	78.0	650	78.0	550	66.0	500	60.0	**3000**	**360.0**
		Recharge of Bore well	Recharge Pit	1500	375.0	1500	375.0	1500	375.0	1500	375.0	1480	370.0	**7480**	**1870.0**
		Block Total		**5000**	**1523.0**	**5000**	**1523.0**	**5000**	**1523.0**	**3650**	**1162.0**	**3430**	**1067.0**	**22080**	**6798.0**
		District Total		**44287**	**9580.5**	**43387**	**9580.5**	**43387**	**9580.5**	**28229**	**6697.2**	**24088**	**5994.8**	**183378**	**41433.5**

Table : 5-19 :PMKSY-OI-(Per Drop More Crop) of PMKSY Ongoing Projects & Proposed Projects for DIP

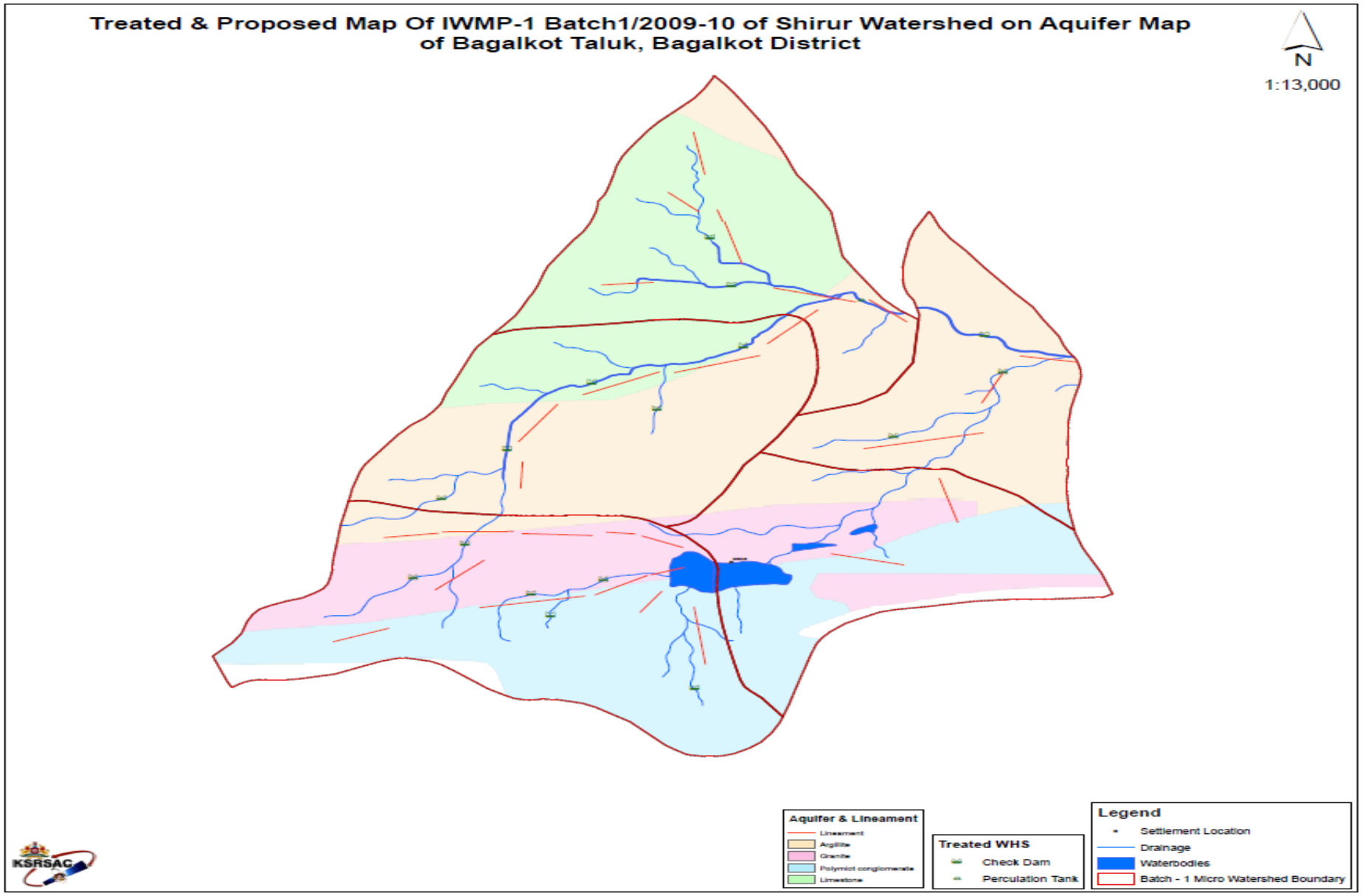
Rs in lakhs

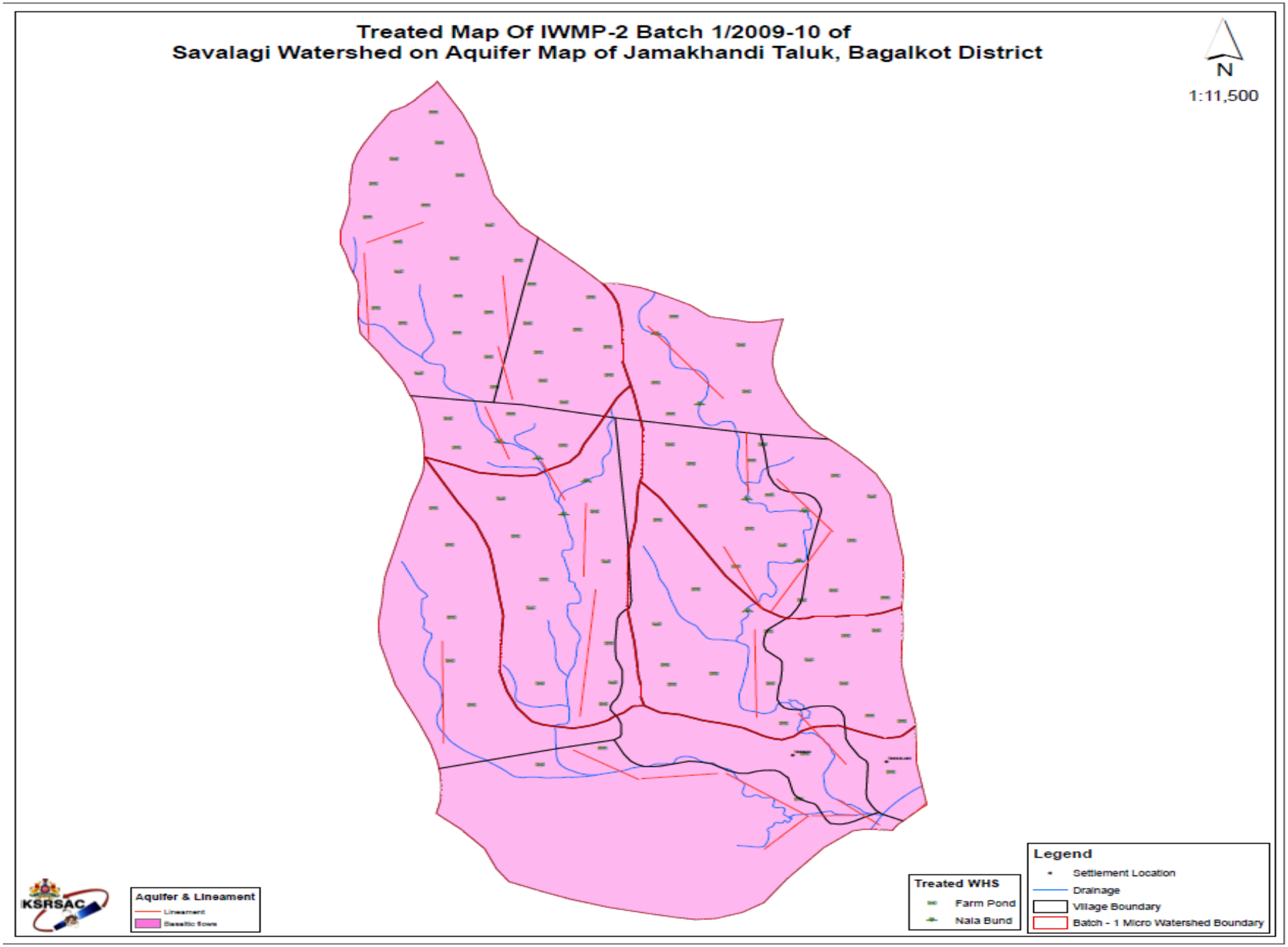
Sl. No.	Block	Component	Name of the work	1St Year		2nd Year		3rd Year		4th Year		5th Year		Total	
				Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Badami	Soil & Water Conservation Activities (Nos)	Check Dam	25	120.0	25	120.0	25	120.0	15	72.0	10	48.0	**100**	**480.0**
			Nalabund	8	38.4	8	38.4	8	38.4	5	24.0	5	24.0	**34**	**163.2**
			Percolation Tank	6	30.0	6	30.0	6	30.0	4	20.0	4	20.0	**26**	**130.0**
		Block Total		**39**	**188.4**	**39**	**188.4**	**39**	**188.4**	**24**	**116.0**	**19**	**92.0**	**160**	**773.2**
2	Bagalkot	Soil & Water Conservation Activities (Nos)	Check Dam	10	48.0	10	48.0	10	48.0	6	28.8	6	28.8	**42**	**201.6**
			Percolation Tank	8	40.0	8	40.0	8	40.0	4	20.0	4	20.0	**32**	**160.0**
		Block Total		**18**	**88.0**	**18**	**88.0**	**18**	**88.0**	**10**	**48.8**	**10**	**48.8**	**74**	**361.6**
3	Hunagund	Soil & Water Conservation Activities (ha)	Farm pond	120	172.8	120	172.8	120	172.8	80	115.2	80	115.2	**520**	**748.8**
			Check Dam	30	144.0	30	144.0	30	144.0	20	96.0	20	96.0	**130**	**624.0**
			Percolation Tank	15	75.0	15	75.0	15	75.0	10	50.0	10	50.0	**65**	**325.0**
		Block Total		**165**	**391.8**	**165**	**391.8**	**165**	**391.8**	**110**	**261.2**	**110**	**261.2**	**715**	**1697.8**
4	Jamakhandi	Soil & Water Conservation Activities (ha)	Farm pond	80	115.2	80	115.2	80	115.2	45	64.8	30	43.2	**315**	**453.6**
			Check Dam	10	48.0	10	48.0	10	48.0	5	24.0	5	24.0	**40**	**192.0**
			Nalabund	15	72.0	15	72.0	15	72.0	10	48.0	10	48.0	**65**	**312.0**
		Block Total		**105**	**235.2**	**105**	**235.2**	**105**	**235.2**	**60**	**136.8**	**45**	**115.2**	**420**	**957.6**
		District Total		**327**	**903.4**	**327**	**903.4**	**327**	**903.4**	**204**	**562.8**	**184**	**517.2**	**1369**	**3790.2**

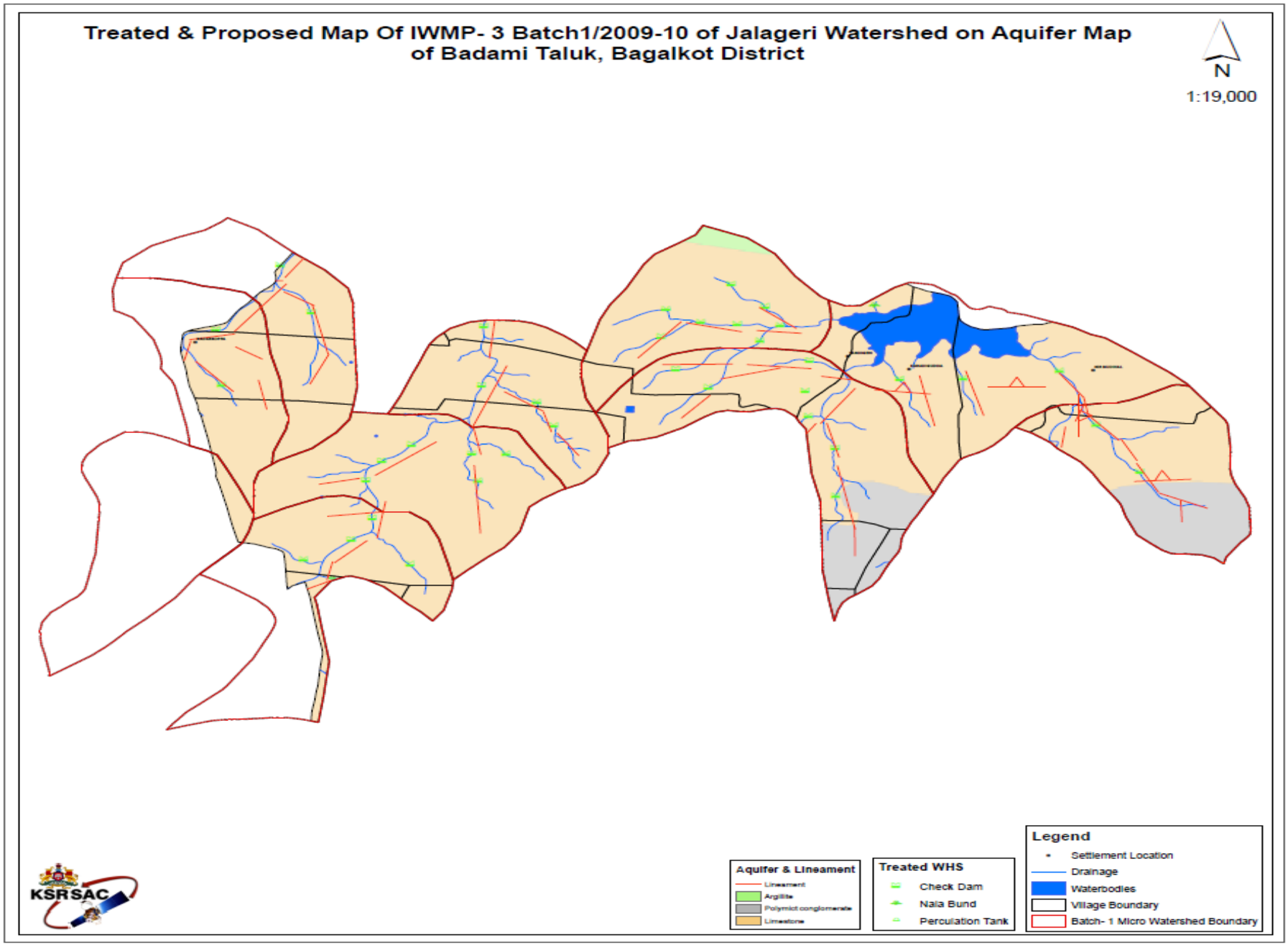
Annexure I : Watershed maps of Bagalkot District

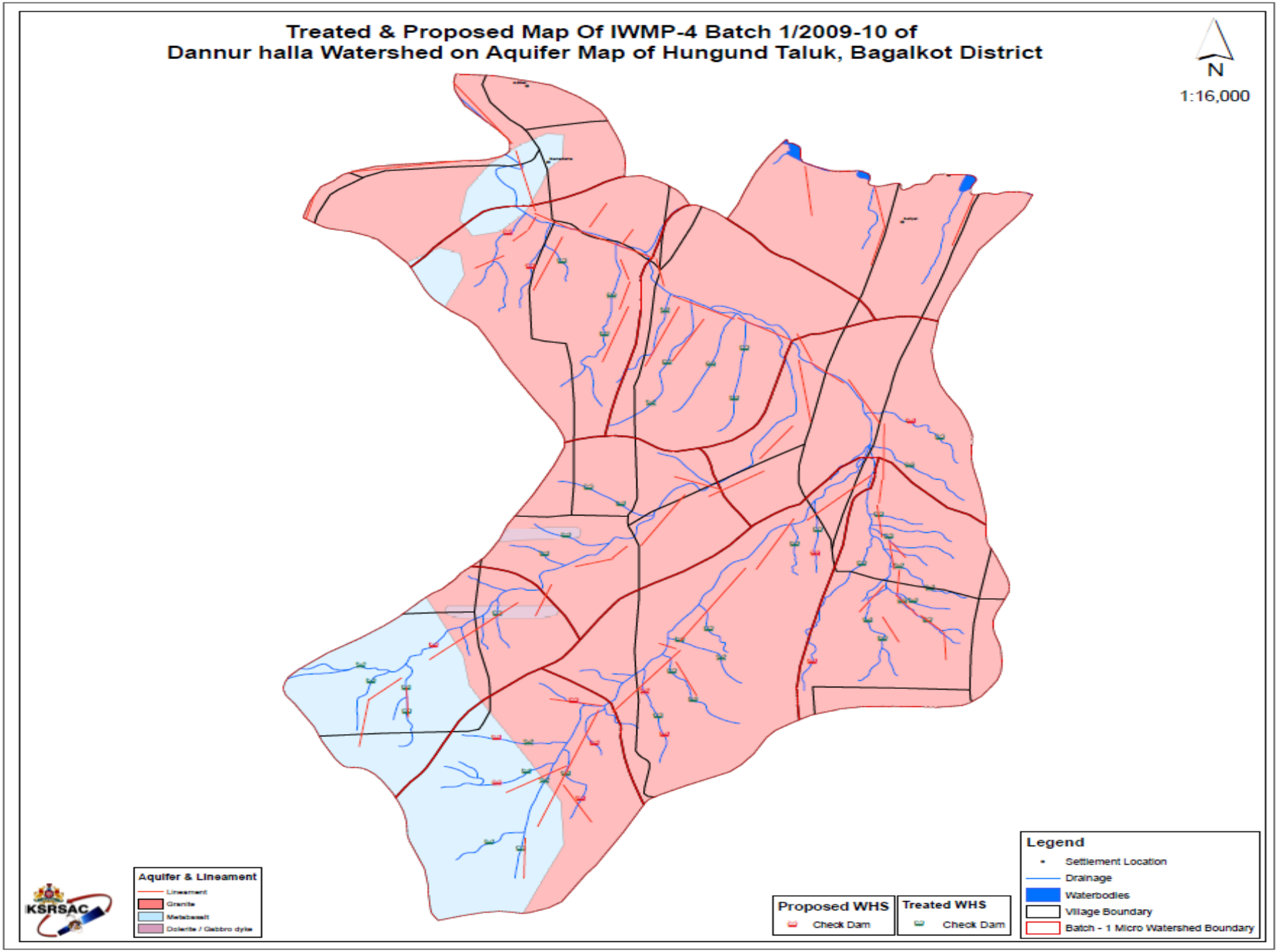


Sub Watershed Maps (Aquifer Map) of PMKSY-WD Ongoing Projects




Treated Map Of IWMP-2 Batch 1/2009-10 of
Savalagi Watershed on Aquifer Map of Jamakhandi Taluk, Bagalkot District
N
1:11,500
KSRSAC
Aquifer & Lineament
Lineament
Basaltic flows
Treated WHS
Farm Pond
Nala Bund
Legend
Settlement Location
Drainage
Village Boundary
Batch - 1 Micro Watershed Boundary


Treated & Proposed Map Of IWMP- 3 Batch1/2009-10 of Jalageri Watershed on Aquifer Map of Badami Taluk, Bagalkot District
N
1:19,000
KSRSAC
Aquifer & Lineament
Lineament
Argillite
Polymict conglomerate
Limestone
Treated WHS
Check Dam
Nala Bund
Perculation Tank
Legend
Settlement Location
Drainage
Waterbodies
Village Boundary
Batch- 1 Micro Watershed Boundary


Treated & Proposed Map Of IWMP-4 Batch 1/2009-10 of
Dannur halla Watershed on Aquifer Map of Hungund Taluk, Bagalkot District
N
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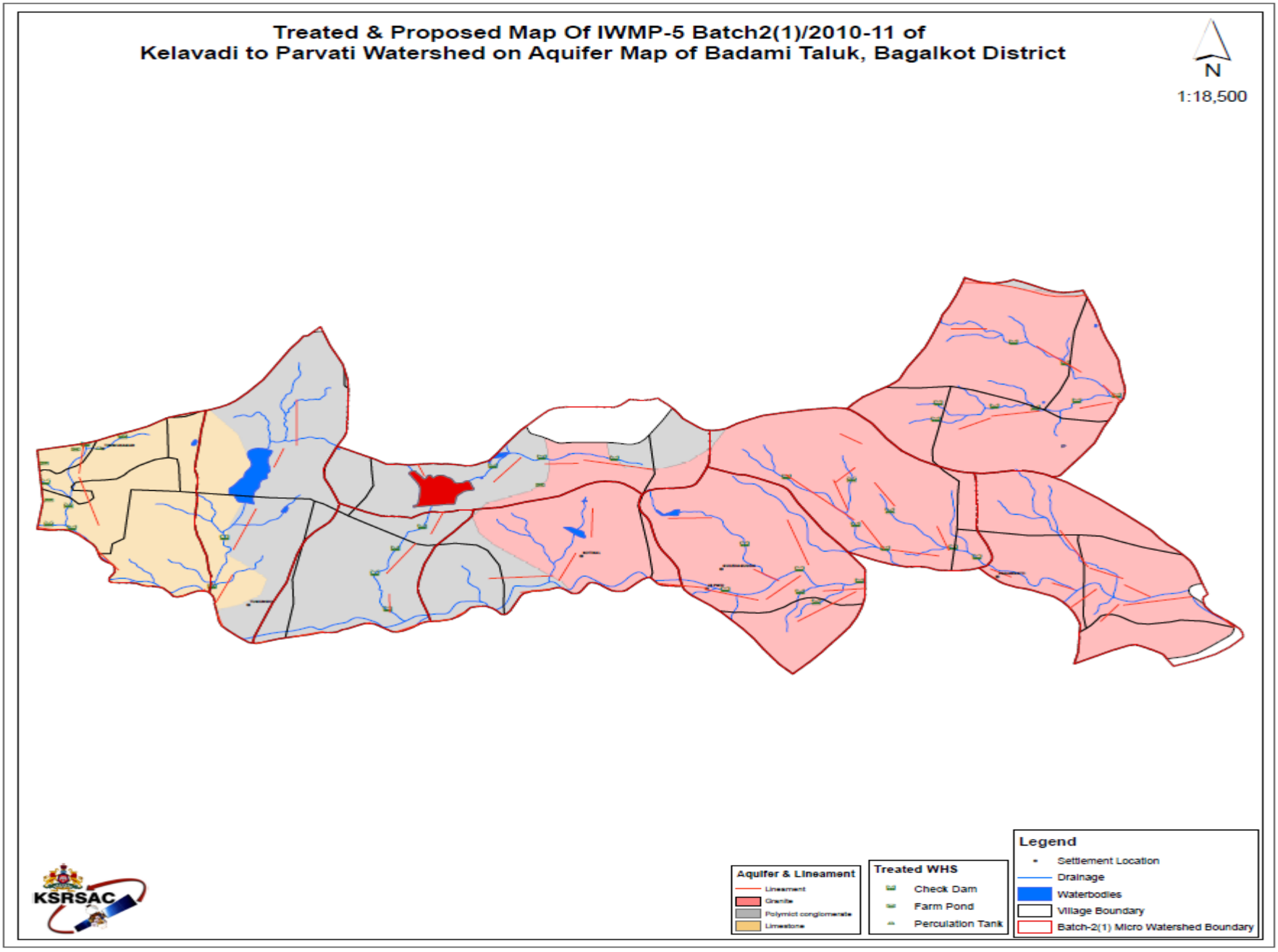
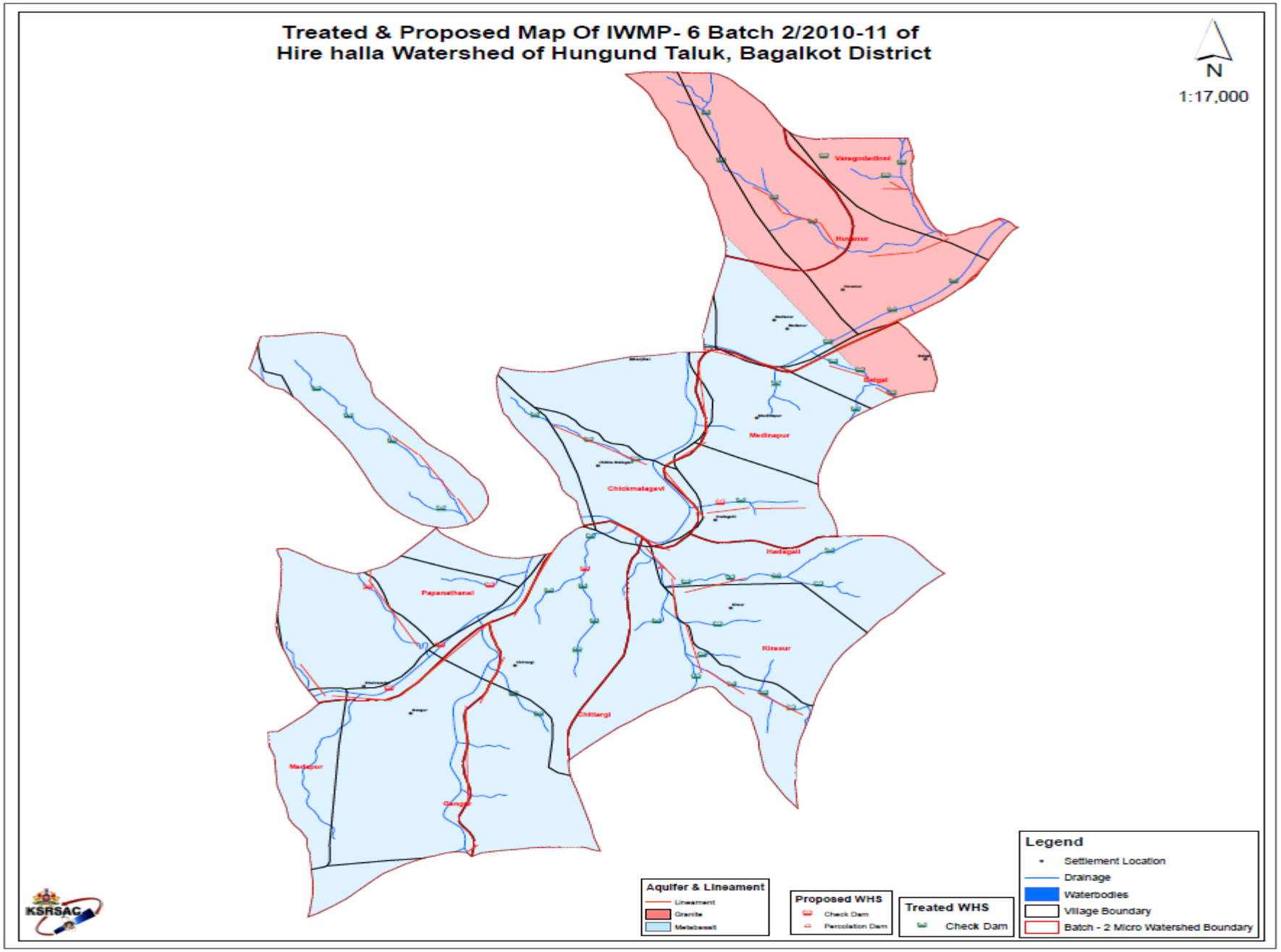
KSRSAC
Aquifer & Lineament
Lineament
Granite
Metabasalt
Dolerite / Gabbro dyke
Proposed WHS
Check Dam
Treated WHS
Check Dam
Legend
Settlement Location
Drainage
Waterbodies
Village Boundary
Batch - 1 Micro Watershed Boundary


Treated & Proposed Map Of IWMP-5 Batch2(1)/2010-11 of
Kelavadi to Parvati Watershed on Aquifer Map of Badami Taluk, Bagalkot District
N
1:18,500
KSRSAC
Aquifer & Lineament
Lineament
Granite
Polymict conglomerate
Limestone
Treated WHS
Check Dam
Farm Pond
Perculation Tank
Legend
Settlement Location
Drainage
Waterbodies
Village Boundary
Batch-2(1) Micro Watershed Boundary


Treated & Proposed Map Of IWMP- 6 Batch 2/2010-11 of
Hire halla Watershed of Hungund Taluk, Bagalkot District
N
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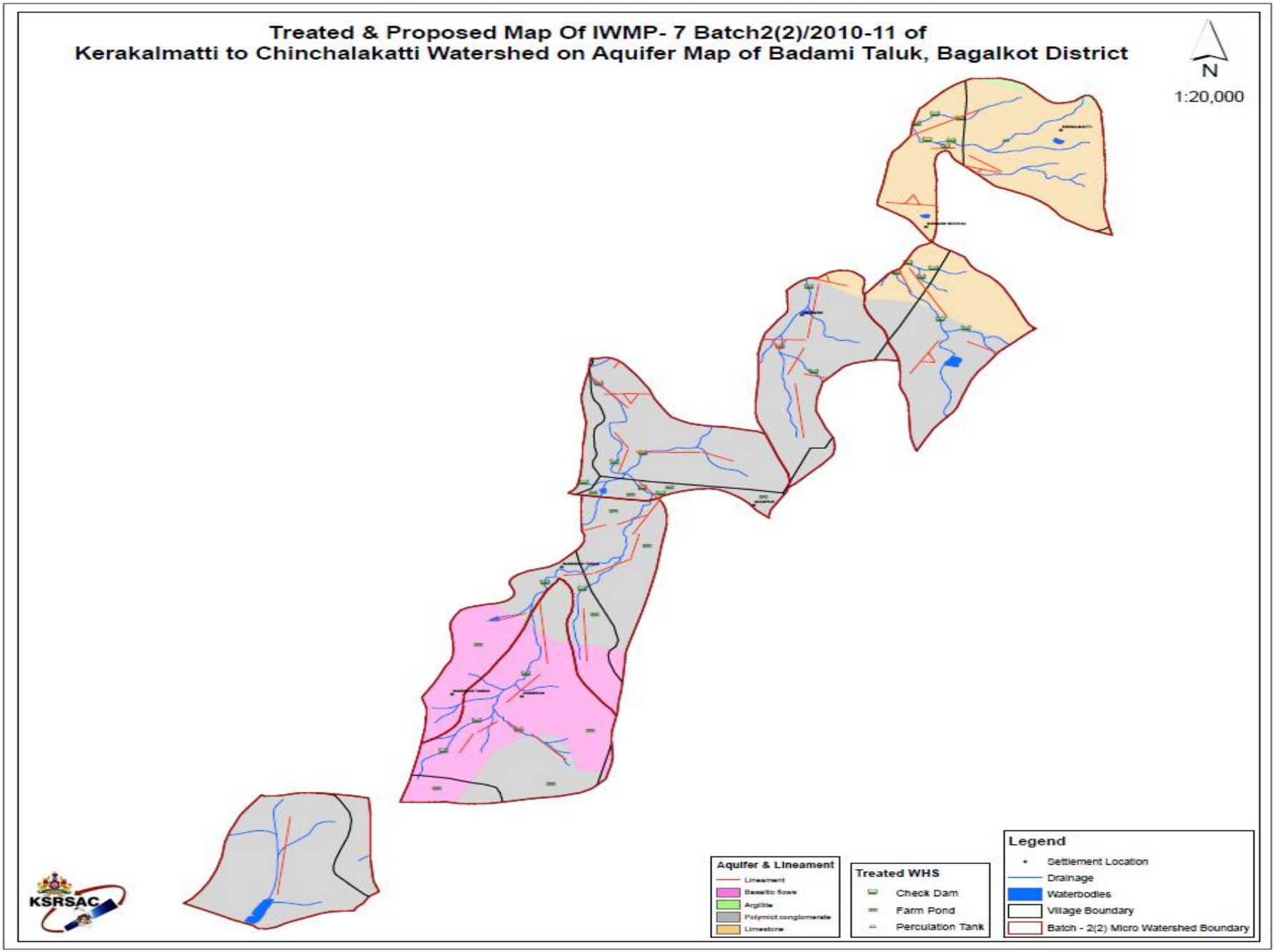
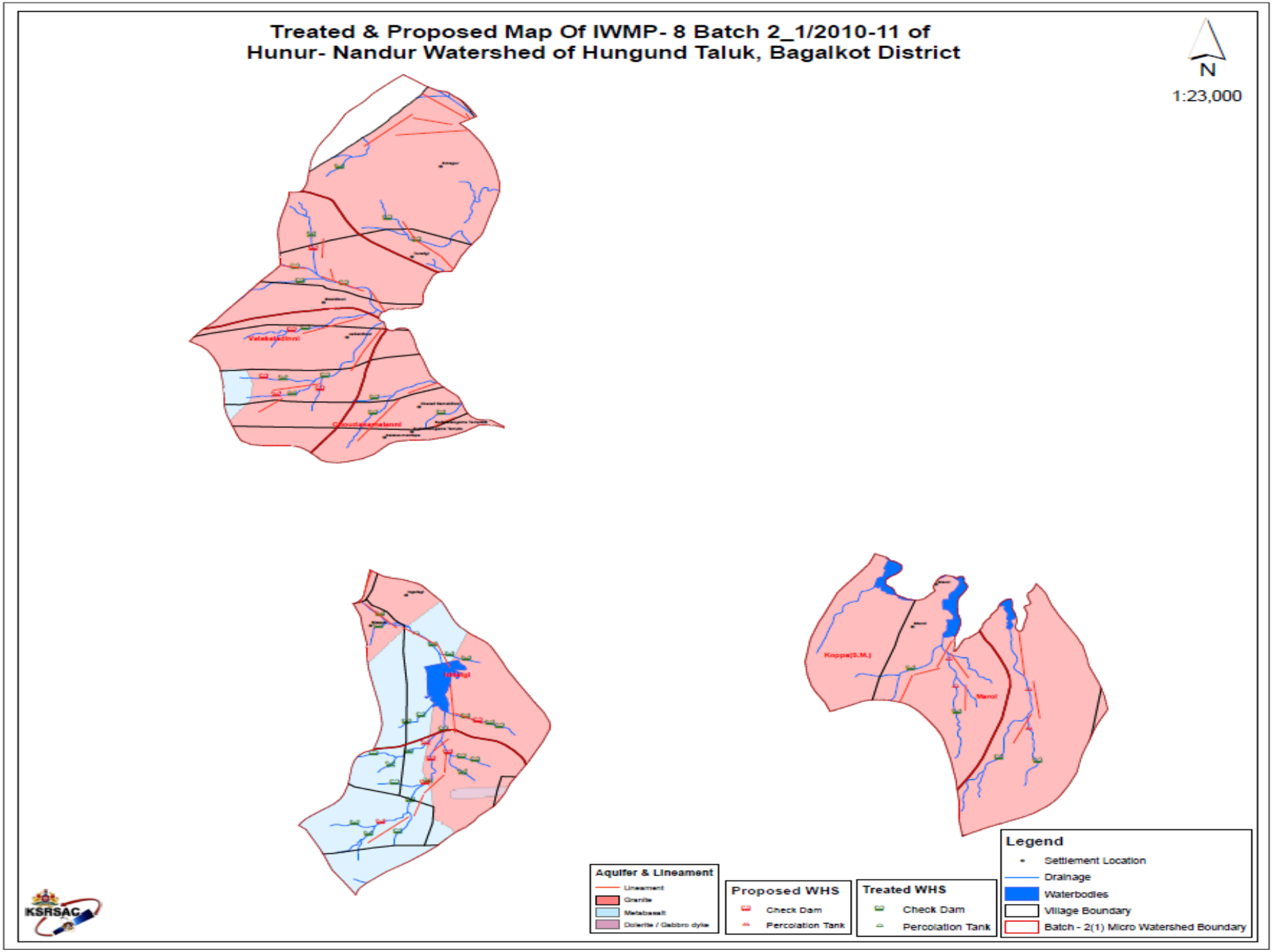
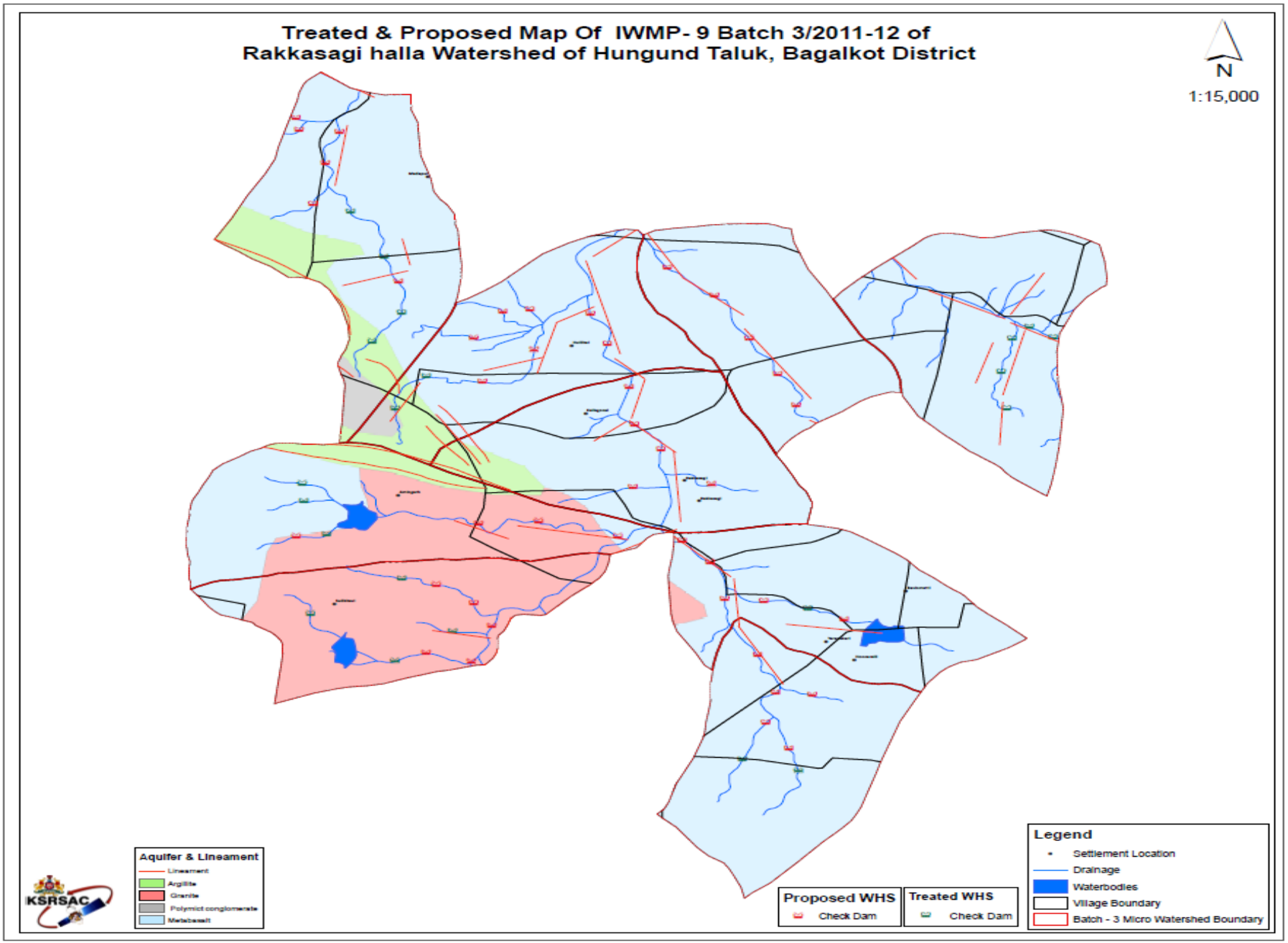
Varagodadinni
Hosamur
Belgal
Medinapur
Chickmalagavi
Hadagali
Papanathanal
Kirasur
Chittargi
Madapur
Ganagur
KSRSAC
Aquifer & Lineament
Lineament
Granite
Metabasalt
Proposed WHS
Check Dam
Percolation Dam
Treated WHS
Check Dam
Legend
Settlement Location
Drainage
Waterbodies
Village Boundary
Batch - 2 Micro Watershed Boundary


Treated & Proposed Map Of IWMP- 7 Batch2(2)/2010-11 of
Kerakalmatti to Chinchalakatti Watershed on Aquifer Map of Badami Taluk, Bagalkot District
N
1:20,000
KSRSAC
Aquifer & Lineament
Lineament
Basaltic flows
Argillite
Polymict conglomerate
Limestone
Treated WHS
Check Dam
Farm Pond
Perculation Tank
Legend
Settlement Location
Drainage
Waterbodies
Village Boundary
Batch - 2(2) Micro Watershed Boundary

Treated & Proposed Map Of IWMP- 8 Batch 2_1/2010-11 of Hunur- Nandur Watershed of Hungund Taluk, Bagalkot District




Treated & Proposed Map Of IWMP- 9 Batch 3/2011-12 of
Rakkasagi halla Watershed of Hungund Taluk, Bagalkot District
N
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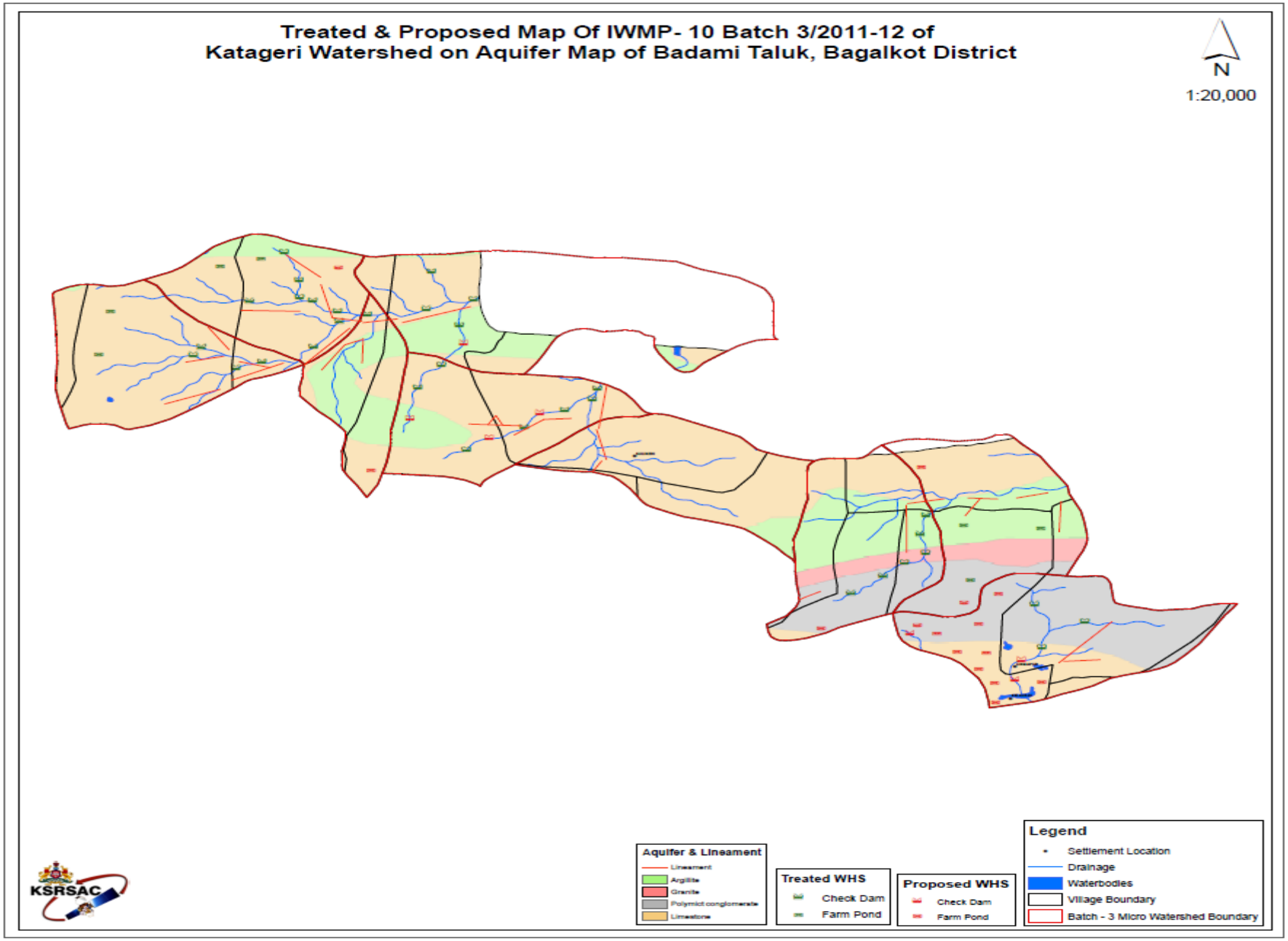
Aquifer & Lineament
Lineament
Argillite
Granite
Polymict conglomerate
Metabasalt
KSRSAC
Proposed WHS
Check Dam
Treated WHS
Check Dam
Legend
Settlement Location
Drainage
Waterbodies
Village Boundary
Batch - 3 Micro Watershed Boundary


Treated & Proposed Map Of IWMP- 10 Batch 3/2011-12 of
Katageri Watershed on Aquifer Map of Badami Taluk, Bagalkot District
N
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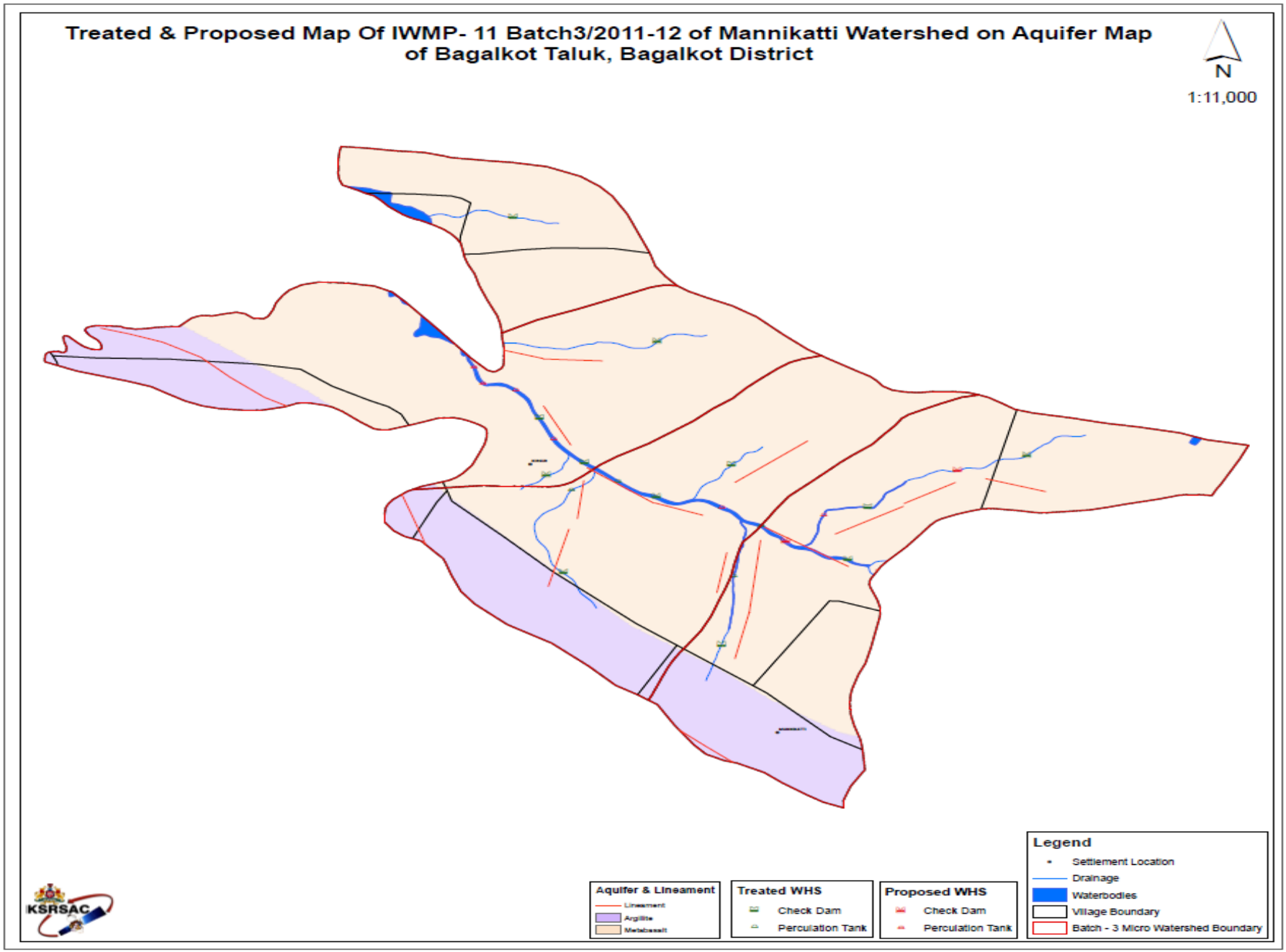
KSRSAC
Aquifer & Lineament
Lineament
Argillite
Granite
Polymict conglomerate
Limestone
Treated WHS
Check Dam
Farm Pond
Proposed WHS
Check Dam
Farm Pond
Legend
Settlement Location
Drainage
Waterbodies
Village Boundary
Batch - 3 Micro Watershed Boundary


Treated & Proposed Map Of IWMP- 11 Batch3/2011-12 of Mannikatti Watershed on Aquifer Map of Bagalkot Taluk, Bagalkot District
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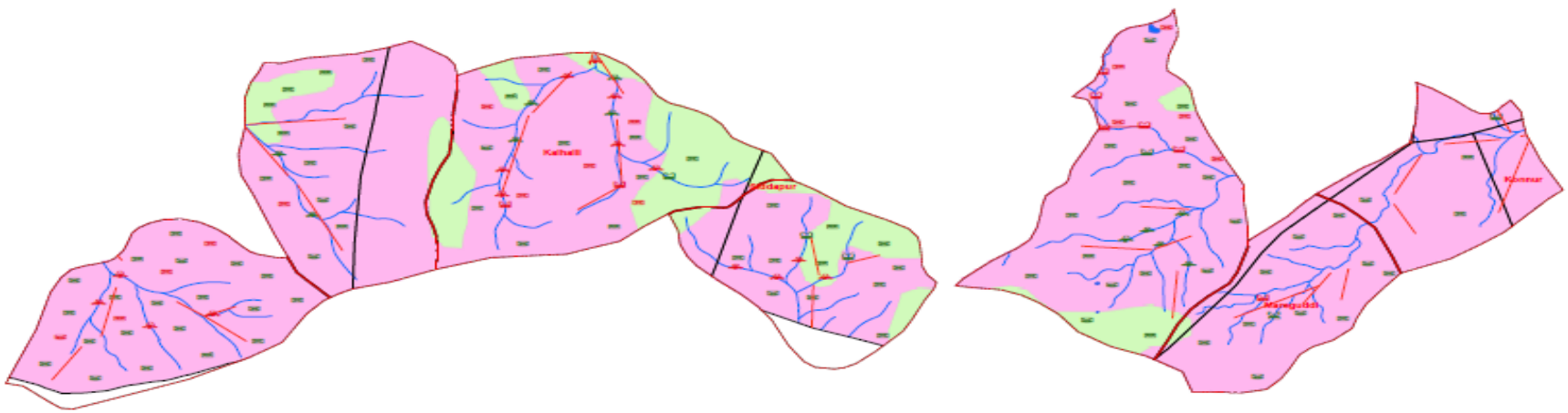
KSRSAC
Aquifer & Lineament
Lineament
Argillite
Metabasalt
Treated WHS
Check Dam
Perculation Tank
Proposed WHS
Check Dam
Perculation Tank
Legend
Settlement Location
Drainage
Waterbodies
Village Boundary
Batch - 3 Micro Watershed Boundary

Treated & Proposed Map Of IWMP-12 Batch 4/2012-13 of Siddapura Watershed on Aquifer Map of Jamakhandi Taluk, Bagalkot District



N

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Aquifer & Lineament
- Lineament
- Basaltic flows
- Argillite

Treated WHS
- Check Dam
- Farm Pond
- Nala Bund

Legend
- Drainage
- Waterbodies
- Village Boundary
- Batch - 4 Micro Watershed Boundary

KSRSAC

Annexure II : Demography

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
1	Jamkhandi	Kalhatti	Rural	84	437	230	207	20	0
2	Jamkhandi	Terdal (Rural)	Rural	938	5548	2871	2677	583	24
3	Jamkhandi	Tamadaddi	Rural	653	3101	1548	1553	882	0
4	Jamkhandi	Halingali	Rural	1455	7363	3845	3518	1856	9
5	Jamkhandi	Madanamatti	Rural	224	1207	599	608	130	0
6	Jamkhandi	Asangi	Rural	1004	5787	2953	2834	910	19
7	Jamkhandi	Kulhalli	Rural	1559	8353	4269	4084	1702	42
8	Jamkhandi	Hipparagi	Rural	1592	8560	4379	4181	1351	270
9	Jamkhandi	Madarkhandi	Rural	969	5026	2556	2470	1124	1
10	Jamkhandi	Bandigani	Rural	362	2140	1104	1036	585	210
11	Jamkhandi	Yallatti	Rural	611	3338	1662	1676	518	0
12	Jamkhandi	Jagadal	Rural	1389	7815	3958	3857	1817	6
13	Jamkhandi	Banhatti (Rural)	Rural	215	1345	682	663	44	0
14	Jamkhandi	Hosur	Rural	628	3582	1821	1761	441	7
15	Jamkhandi	Rabkavi (Rural)	Rural	105	814	422	392	31	0
16	Jamkhandi	Hangandi	Rural	1108	6438	3219	3219	836	13
17	Jamkhandi	Sasalatti	Rural	1311	8226	4251	3975	974	23
18	Jamkhandi	Kaltippi	Rural	362	2241	1161	1080	167	0
19	Jamkhandi	Golbhavi	Rural	995	5099	2538	2561	894	3
20	Jamkhandi	Yaragatti	Rural	537	3005	1542	1463	652	3
21	Jamkhandi	Chimmad	Rural	1902	10839	5426	5413	2257	32
22	Jamkhandi	Navalgi	Rural	1480	7875	3924	3951	1689	516
23	Jamkhandi	Kalhalli	Rural	626	3441	1720	1721	843	83
24	Jamkhandi	Shiraguppi	Rural	764	3809	1943	1866	595	598
25	Jamkhandi	Maigur	Rural	988	4419	2251	2168	934	27
26	Jamkhandi	Muttur	Rural	759	3589	1784	1805	459	415
27	Jamkhandi	Kankanawadi	Rural	638	3391	1709	1682	515	0
28	Jamkhandi	Albal	Rural	455	2491	1247	1244	693	0
29	Jamkhandi	Hanchinal	Rural	267	1214	594	620	15	5
30	Jamkhandi	Kadakol	Rural	468	2653	1320	1333	490	0
31	Jamkhandi	Sanal	Rural	363	2107	1060	1047	296	157
32	Jamkhandi	Alagur	Rural	1188	6448	3311	3137	1123	17
33	Jamkhandi	Kunchanur	Rural	891	4490	2224	2266	833	24
34	Jamkhandi	Kumbarhal	Rural	869	4848	2426	2422	762	3
35	Jamkhandi	Jamkhandi (Rural)	Rural	350	1808	922	886	202	11
36	Jamkhandi	Kadapatti	Rural	558	2752	1374	1378	775	14
37	Jamkhandi	Hunnur	Rural	1960	9771	4849	4922	1400	35
38	Jamkhandi	Ramateerth	Rural	113	535	266	269	232	0
39	Jamkhandi	Jakanur	Rural	238	1209	608	601	213	280
40	Jamkhandi	Chingundi	Rural	319	1683	818	865	433	117

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
41	Jamkhandi	Linganur	Rural	666	3421	1711	1710	548	0
42	Jamkhandi	Hunashikatti	Rural	221	1185	594	591	317	0
43	Jamkhandi	Hulyal	Rural	1023	4947	2462	2485	550	190
44	Jamkhandi	Siddapur	Rural	1030	5058	2568	2490	1301	15
45	Jamkhandi	Mareguddi	Rural	1051	5665	2846	2819	518	302
46	Jamkhandi	Konnur	Rural	1515	8989	4471	4518	2120	436
47	Jamkhandi	Gani	Rural	551	2811	1416	1395	974	77
48	Jamkhandi	Budni	Rural	238	1200	590	610	199	0
49	Jamkhandi	Tungal	Rural	1345	7257	3668	3589	1365	5
50	Jamkhandi	Kuragod	Rural	195	965	505	460	5	23
51	Jamkhandi	Kajibilgi	Rural	697	3809	1935	1874	439	1
52	Jamkhandi	Gothe	Rural	1013	5357	2735	2622	875	0
53	Jamkhandi	Kalbilagi	Rural	469	2452	1257	1195	247	135
54	Jamkhandi	Gadyal	Rural	664	3598	1853	1745	336	0
55	Jamkhandi	Kannolli	Rural	661	3815	1997	1818	491	0
56	Jamkhandi	Savalagi	Rural	2381	12506	6486	6020	2077	97
57	Jamkhandi	Tubachi	Rural	434	2251	1166	1085	323	0
58	Jamkhandi	Shurpali	Rural	666	3114	1598	1516	459	3
59	Jamkhandi	Jambagi.(K.D.)	Rural	360	1910	944	966	386	7
60	Jamkhandi	Jambagi.(B.K.)	Rural	693	3982	2075	1907	537	8
61	Jamkhandi	Takkod	Rural	285	1583	778	805	529	0
62	Jamkhandi	Takkalaki	Rural	406	2183	1128	1055	266	2
63	Jamkhandi	Adihudi	Rural	1009	5407	2773	2634	479	5
64	Jamkhandi	Todalbagi	Rural	1630	8598	4352	4246	1461	49
65	Jamkhandi	Hirepadasalgi	Rural	1266	7112	3659	3453	1050	4
66	Jamkhandi	Naganur	Rural	406	2212	1109	1103	435	0
67	Jamkhandi	Chikkalaki	Rural	822	4172	2131	2041	555	20
68	Jamkhandi	Chikkapadasalgi	Rural	810	4150	2096	2054	834	4
69	Jamkhandi	Kavatagi	Rural	554	3021	1483	1538	855	0
70	Jamkhandi	Janawad	Rural	210	1104	556	548	209	0
71	Jamkhandi	Bidari	Rural	1071	5515	2731	2784	1043	364
72	Jamkhandi	Terdal (TMC)	Urban	5142	26088	13173	12915	6999	170
73	Jamkhandi	Jamkhandi (CMC)	Urban	13963	68938	33936	35002	10931	487
	Taluk Total		**Total**	**90067**	**470176**	**237086**	**233090**	**80138**	**5866**
	Taluk Total		**Rural**	**55639**	**298146**	**151059**	**147087**	**52059**	**4711**
	Taluk Total		**Urban**	**34428**	**172030**	**86027**	**86003**	**28079**	**1155**

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
1	Bilagi	Amalzari	Rural	655	3278	1627	1651	839	230
2	Bilagi	Galagali	Rural	1627	8380	4115	4265	1485	115
3	Bilagi	Rabkavi	Rural	250	1301	677	624	434	18
4	Bilagi	Chowdapur	Rural	57	314	162	152	61	137
5	Bilagi	Chickhanchinal	Rural	252	1355	681	674	237	7
6	Bilagi	Kolur	Rural	493	2726	1369	1357	442	26
7	Bilagi	Mundaganur	Rural	509	2633	1379	1254	429	65
8	Bilagi	Yadahalli	Rural	753	3920	1916	2004	605	1321
9	Bilagi	Gulbal	Rural	222	1172	590	582	129	101
10	Bilagi	Budihal(S.G.)	Rural	272	1282	649	633	147	94
11	Bilagi	Bisnal	Rural	619	3122	1512	1610	278	1296
12	Bilagi	Shaktinagar	Rural	158	871	449	422	827	13
13	Bilagi	Shivanagar	Rural	112	758	379	379	747	10
14	Bilagi	Ramapratappa Nagar	Rural	171	1119	579	540	890	65
15	Bilagi	Nagaral	Rural	722	3888	1949	1939	387	410
16	Bilagi	Siddapur	Rural	849	4843	2459	2384	843	1602
17	Bilagi	Teggi	Rural	973	5118	2568	2550	572	1816
18	Bilagi	Badgi	Rural	632	3355	1679	1676	521	60
19	Bilagi	Girgaon	Rural	275	1413	725	688	367	135
20	Bilagi	Gudadinni	Rural	37	211	113	98	15	74
21	Bilagi	Hanchinal(Inam)	Rural	189	963	477	486	113	213
22	Bilagi	Ballur	Rural	56	287	147	140	3	7
23	Bilagi	Kontikal	Rural	186	969	467	502	305	71
24	Bilagi	Sonna	Rural	871	4440	2194	2246	761	179
25	Bilagi	Dhawaleshwar	Rural	42	188	100	88	0	0
26	Bilagi	Garadadinni	Rural	8	33	19	14	2	0
27	Bilagi	Bilgi (Rural)	Rural	1069	5414	2680	2734	962	171
28	Bilagi	Korti	Rural	132	622	346	276	49	47
29	Bilagi	Govinadinni	Rural	50	299	164	135	42	0
30	Bilagi	Badagandi	Rural	841	4436	2187	2249	689	22
31	Bilagi	Takkalki	Rural	97	553	283	270	30	11
32	Bilagi	Rolli	Rural	422	2630	1306	1324	259	71
33	Bilagi	Gundanapalli	Rural	0	0	0	0	0	0
34	Bilagi	Heggur	Rural	0	0	0	0	0	0
35	Bilagi	Lingapur.S.R	Rural	0	0	0	0	0	0
36	Bilagi	Godihal	Rural	0	0	0	0	0	0
37	Bilagi	Chinvalkoppa	Rural	0	0	0	0	0	0
38	Bilagi	Algundi	Rural	632	3244	1659	1585	336	525

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
40	Bilagi	Katarki	Rural	645	3120	1538	1582	497	192
41	Bilagi	Lingapur(S.K)	Rural	178	974	502	472	5	346
42	Bilagi	Shiraguppi	Rural	466	2599	1292	1307	354	746
43	Bilagi	Arakeri	Rural	918	4634	2297	2337	819	1429
44	Bilagi	Durgapura	Rural	146	977	469	508	970	0
45	Bilagi	Janamatti	Rural	580	3152	1551	1601	409	1359
46	Bilagi	Sunaga	Rural	930	4708	2373	2335	546	594
47	Bilagi	Mannikeri	Rural	706	3772	1897	1875	814	136
48	Bilagi	Girisagar	Rural	1418	7514	3767	3747	1252	57
49	Bilagi	Muttaladinni	Rural	95	489	244	245	101	0
50	Bilagi	Koppa S.R	Rural	110	496	251	245	40	0
51	Bilagi	Hadarihal	Rural	104	652	333	319	114	67
52	Bilagi	Beerkabbi	Rural	148	771	359	412	153	21
53	Bilagi	Kamadal	Rural	0	0	0	0	0	0
54	Bilagi	Mangur	Rural	0	0	0	0	0	0
55	Bilagi	Chicksangam	Rural	0	0	0	0	0	0
56	Bilagi	Kandagal	Rural	125	588	294	294	122	0
57	Bilagi	Honnihal	Rural	178	1166	604	562	487	1
58	Bilagi	Badardinni	Rural	305	1661	824	837	268	57
59	Bilagi	Yettinatti	Rural	26	117	63	54	0	6
60	Bilagi	Herkal	Rural	622	3521	1746	1775	583	491
61	Bilagi	Tolamatti	Rural	484	2565	1282	1283	193	0
62	Bilagi	Tummarmatti	Rural	221	1037	507	530	229	0
63	Bilagi	Dattapura	Rural	373	2191	1124	1067	1906	97
64	Bilagi	Venkatapura	Rural	181	1039	516	523	999	9
65	Bilagi	Kundargi	Rural	1050	5122	2589	2533	738	137
66	Bilagi	Bavalatti	Rural	314	1540	796	744	491	83
67	Bilagi	Kovalli	Rural	262	1354	672	682	161	255
68	Bilagi	Budhihal(S.H)	Rural	540	2639	1373	1266	317	25
69	Bilagi	Anagawadi	Rural	812	3986	1987	1999	632	90
70	Bilagi	Kadapatti	Rural	273	1321	636	685	151	0
71	Bilagi	Yelligutti	Rural	268	1590	816	774	0	396
72	TOWN	Bilgi (TP)	Urban	3722	17792	8805	8987	2573	498
	Taluk Total	**Bilgi**	**Total**	**30864**	**160294**	**80147**	**80147**	**30181**	**16161**
	Taluk Total	**Bilgi**	**Rural**	**27142**	**142502**	**71342**	**71160**	**27608**	**15663**
	Taluk Total	**Bilgi**	**Urban**	**3722**	**17792**	**8805**	**8987**	**2573**	**498**

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
1	Mudhol	Saidapur	Rural	1568	7713	3955	3758	1646	74
2	Mudhol	Madhabhavi	Rural	548	3306	1633	1673	463	14
3	Mudhol	Bisanal	Rural	533	2967	1499	1468	468	0
4	Mudhol	Kesrakoppa	Rural	754	4604	2304	2300	617	28
5	Mudhol	Budni(P.D)	Rural	237	1304	668	636	98	0
6	Mudhol	Mahalingapur(Rural)	Rural	47	259	122	137	35	0
7	Mudhol	Belagali	Rural	3086	17460	8795	8665	3842	329
8	Mudhol	Mugalkhod	Rural	1475	8642	4371	4271	1023	13
9	Mudhol	Kulali	Rural	1271	6646	3324	3322	2332	55
10	Mudhol	Shirol	Rural	2309	12171	6058	6113	2080	37
11	Mudhol	Malapur	Rural	545	3082	1540	1542	509	4
12	Mudhol	Soragoan	Rural	623	3317	1624	1693	709	0
13	Mudhol	Malali	Rural	1149	5760	2897	2863	1982	117
14	Mudhol	Nagaral	Rural	1063	6122	3075	3047	1366	16
15	Mudhol	Akkimaradi	Rural	495	2634	1302	1332	586	26
16	Mudhol	Nandagoan	Rural	465	2729	1360	1369	828	104
17	Mudhol	Sanganatti	Rural	413	2301	1123	1178	672	0
18	Mudhol	Marapur	Rural	539	3147	1568	1579	636	63
19	Mudhol	Dhavaleshwar	Rural	1308	7392	3730	3662	949	5
20	Mudhol	Mallapur(P.J)	Rural	152	828	401	427	2	89
21	Mudhol	Mirji	Rural	454	2490	1284	1206	501	32
22	Mudhol	Vantigodi	Rural	519	2593	1304	1289	547	0
23	Mudhol	Channal	Rural	333	1614	825	789	381	52
24	Mudhol	Ranjanagi	Rural	531	2775	1402	1373	765	2
25	Mudhol	Uttur	Rural	831	4341	2161	2180	979	8
26	Mudhol	Jaliber	Rural	267	1446	727	719	250	2
27	Mudhol	Rugi	Rural	476	2467	1229	1238	712	1
28	Mudhol	Zunjarakopp	Rural	324	1695	793	902	467	151
29	Mudhol	Mudhol(Rural)	Rural	387	2104	1085	1019	134	13
30	Mudhol	Budni(P.M)	Rural	625	3349	1709	1640	737	53
31	Mudhol	Mantur	Rural	1525	7681	3849	3832	1596	814
32	Mudhol	Kishori	Rural	147	635	324	311	198	199
33	Mudhol	Melligeri	Rural	536	2922	1448	1474	806	376
34	Mudhol	Halagali	Rural	1181	5450	2685	2765	499	2898
35	Mudhol	Metgud	Rural	782	3993	2009	1984	533	2
36	Mudhol	Gulgal Jambagi	Rural	480	2140	1102	1038	422	36
37	Mudhol	Chinchakhandi(B.K)	Rural	541	2771	1403	1368	303	8
38	Mudhol	Chinchakhandi(K.D)	Rural	328	1627	808	819	383	232
39	Mudhol	Jeeragal	Rural	356	1736	868	868	358	37
40	Mudhol	Ingalagi	Rural	805	3954	1961	1993	441	9

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
41	Mudhol	Yadahalli	Rural	543	2586	1259	1327	326	556
42	Mudhol	Baragi	Rural	637	3121	1540	1581	494	1
43	Mudhol	Marikatti	Rural	151	882	436	446	203	0
44	Mudhol	Vajjaramatti	Rural	545	2639	1283	1356	533	98
45	Mudhol	Alagundi(B.K)	Rural	595	2921	1473	1448	350	140
46	Mudhol	Budni (B.K.)	Rural	181	1054	520	534	145	0
47	Mudhol	Machaknur	Rural	560	2918	1459	1459	501	598
48	Mudhol	Budni Khurd	Rural	224	1120	550	570	270	189
49	Mudhol	Bidri	Rural	343	1701	857	844	179	237
50	Mudhol	Antapur	Rural	313	1577	796	781	130	43
51	Mudhol	Jambgi(K.D)	Rural	257	1169	570	599	137	11
52	Mudhol	Kasba Jambgi(B.K)	Rural	606	3001	1517	1484	410	16
53	Mudhol	Muddapur	Rural	455	2318	1162	1156	360	258
54	Mudhol	Petlur	Rural	447	2506	1261	1245	1302	0
55	Mudhol	Ningapur	Rural	415	2160	1083	1077	258	179
56	Mudhol	Halaki	Rural	299	1651	813	838	238	9
57	Mudhol	Bommanbudni	Rural	103	481	232	249	25	6
58	Mudhol	Timmapur	Rural	227	1042	493	549	285	96
59	Mudhol	Hebbal	Rural	532	2911	1343	1568	611	17
60	Mudhol	Chitrabanukoti	Rural	294	1459	730	729	87	633
61	Mudhol	Chikkur	Rural	514	2501	1204	1297	945	431
62	Mudhol	Bhantnur	Rural	526	2638	1323	1315	623	679
63	Mudhol	Junnur	Rural	221	1025	496	529	58	213
64	Mudhol	Badnur	Rural	253	1238	618	620	348	114
65	Mudhol	Chawadapur	Rural	211	1164	587	577	524	44
66	Mudhol	Naganapur	Rural	239	1102	539	563	292	0
67	Mudhol	Kanasageri	Rural	126	656	336	320	124	1
68	Mudhol	Dadanatti	Rural	435	2313	1228	1085	203	23
69	Mudhol	Hosakoti	Rural	266	1364	656	708	328	15
70	Mudhol	Mallapur(P.L)	Rural	160	809	417	392	128	0
71	Mudhol	Laxanatti	Rural	320	1550	797	753	129	47
72	Mudhol	Lokapur	Rural	2565	12790	6410	6380	1834	873
73	Mudhol	Jalikatti(B.K)	Rural	217	912	442	470	215	52
74	Mudhol	Jadar-Aralikatti	Rural	157	949	480	469	217	155
75	Mudhol	Varchagal	Rural	296	1644	816	828	256	157
76	Mudhol	Palkimanya	Rural	126	637	318	319	154	180
77	Mudhol	Byadar-Aralikatti	Rural	27	137	74	63	0	25
78	Mudhol	Jalikatti(K.D)	Rural	204	903	453	450	263	8
79	TOWN	Mudhol (TMC)	Urban	10636	52199	26065	26134	8984	636
80	TOWN	Mahalingpur (TMC)	Urban	7212	36055	18208	17847	5951	322
	Taluk Total	**Mudhol**	**Total**	**55234**	**285915**	**142961**	**142954**	**54324**	**12639**
	Taluk Total	**Mudhol**	**Rural**	**44598**	**233716**	**116896**	**116820**	**45340**	**12003**
	Taluk Total	**Mudhol**	**Urban**	**10636**	**52199**	**26065**	**26134**	**8984**	**636**

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
1	Badami	Kadarakoppa	Rural	450	2268	1107	1161	218	54
2	Badami	Hanamaneri Inam	Rural	132	769	393	376	26	11
3	Badami	Yandigeri	Rural	410	2035	1042	993	245	60
4	Badami	Karadigudd S.A.	Rural	121	593	295	298	25	63
5	Badami	Neerabudihal	Rural	488	2452	1230	1222	166	11
6	Badami	Ganganabudihal	Rural	194	1016	502	514	112	14
7	Badami	Kerakalamatti	Rural	479	2533	1278	1255	289	289
8	Badami	Kagalagomba	Rural	526	2656	1357	1299	551	98
9	Badami	Sulikeri	Rural	518	2873	1415	1458	455	391
10	Badami	Hoolageri	Rural	404	1928	937	991	352	597
11	Badami	Bandakeri	Rural	182	956	483	473	157	196
12	Badami	Krishnapur	Rural	272	1458	747	711	1413	0
13	Badami	Jalageri	Rural	339	1871	975	896	152	219
14	Badami	Kalabandakeri	Rural	237	1215	597	618	61	193
15	Badami	Anawal	Rural	651	3102	1576	1526	304	570
16	Badami	Hosakoti	Rural	192	965	478	487	88	281
17	Badami	Kainakatti	Rural	156	805	408	397	43	149
18	Badami	Sheeparamatti	Rural	121	729	394	335	10	0
19	Badami	Jangawad	Rural	120	674	334	340	106	0
20	Badami	Bellikindi	Rural	93	607	320	287	43	6
21	Badami	Hawalakhod	Rural	168	1009	507	502	166	0
22	Badami	Fakeerabudihal	Rural	118	617	328	289	49	0
23	Badami	Narenur	Rural	493	3205	1636	1569	1901	102
24	Badami	Malagi	Rural	198	1161	614	547	111	196
25	Badami	Yaragoppa Inam	Rural	232	1180	604	576	316	386
26	Badami	Agasarakoppa	Rural	179	869	428	441	173	78
27	Badami	Yankanchi	Rural	289	1620	732	888	188	71
28	Badami	Gubberakoppa	Rural	72	321	149	172	31	13
29	Badami	Maninagar	Rural	193	814	407	407	102	8
30	Badami	Mattikatti	Rural	183	1023	546	477	105	81
31	Badami	Kerur (Rural)	Rural	1	10	5	5	5	0
32	Badami	Saganur	Rural	81	483	254	229	10	10
33	Badami	Chinchalakatti	Rural	293	1646	843	803	1119	113
34	Badami	Hanamaneri (G)	Rural	38	222	110	112	10	0
35	Badami	Kadapatti S.K	Rural	68	361	174	187	79	23
36	Badami	Hullikeri Inam	Rural	437	2586	1306	1280	512	360
37	Badami	Halakurki	Rural	737	3894	1967	1927	426	1806
38	Badami	Jammanakatti	Rural	384	2100	1080	1020	110	412
39	Badami	Hulasageri	Rural	115	762	391	371	8	0
40	Badami	Katageri	Rural	733	3864	1943	1921	442	259

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
41	Badami	Hangaragi	Rural	413	2445	1240	1205	295	0
42	Badami	Khazibudihal	Rural	205	1184	606	578	14	39
43	Badami	Kelawadi	Rural	367	1640	788	852	170	368
44	Badami	Lingapur	Rural	191	1002	494	508	198	1
45	Badami	Timasagar	Rural	287	1502	773	729	8	102
46	Badami	Kotikall	Rural	604	3156	1518	1638	413	436
47	Badami	Haradolli	Rural	1	5	1	4	0	0
48	Badami	Budanagad	Rural	248	1493	746	747	149	0
49	Badami	Injanawari	Rural	85	517	273	244	33	8
50	Badami	Haladur	Rural	307	1641	819	822	214	13
51	Badami	Allur. S.P.	Rural	149	710	367	343	115	18
52	Badami	Asangi	Rural	136	855	430	425	150	203
53	Badami	Padanakatti	Rural	237	1364	706	658	55	18
54	Badami	Parwati	Rural	409	2320	1147	1173	247	195
55	Badami	Khanapur.S.P.	Rural	149	988	498	490	31	944
56	Badami	Murudi	Rural	200	1213	572	641	96	700
57	Badami	Thogunashi	Rural	414	2209	1121	1088	710	162
58	Badami	Teggi	Rural	224	1342	680	662	72	12
59	Badami	Hirebudihal	Rural	219	1364	685	679	34	0
60	Badami	Lakkasakoppa	Rural	161	891	438	453	98	58
61	Badami	Konkanakoppa	Rural	359	1744	867	877	53	0
62	Badami	Hansanoor	Rural	466	2493	1271	1222	528	214
63	Badami	Raghapur	Rural	262	1545	754	791	176	271
64	Badami	Hanapur.S.P.	Rural	247	1662	856	806	855	36
65	Badami	Saraswathinagar	Rural	226	1599	822	777	1596	1
66	Badami	Hullikeri.S.P.	Rural	392	2843	1438	1405	1370	24
67	Badami	Kotnalli	Rural	155	957	488	469	65	204
68	Badami	Kataginahalli	Rural	207	1207	626	581	103	246
69	Badami	Layadagundi	Rural	377	2401	1234	1167	448	2
70	Badami	Subbalahunashi	Rural	65	456	245	211	26	134
71	Badami	Nagaral.S.P.	Rural	354	2413	1216	1197	156	292
72	Badami	Chimmalagi	Rural	316	1606	824	782	316	54
73	Badami	Mangalagudda	Rural	362	2062	1018	1044	329	112
74	Badami	Katapur	Rural	294	1652	847	805	502	130
75	Badami	Neeralakeri	Rural	552	3085	1578	1507	152	94
76	Badami	Raddera Timmapur	Rural	380	1771	885	886	150	140
77	Badami	Haligeri	Rural	470	2685	1394	1291	273	236
78	Badami	Halageri	Rural	352	2060	1028	1032	884	276
79	Badami	Ugalawat	Rural	436	2265	1177	1088	136	92
80	Badami	Mustigeri	Rural	597	3261	1655	1606	296	135

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
81	Badami	Karadigudda.S.N.	Rural	510	3672	1902	1770	24	950
82	Badami	Neelagund	Rural	775	3803	1935	1868	494	690
83	Badami	Mamatageri	Rural	235	1281	654	627	53	223
84	Badami	Hanamasagar	Rural	165	911	468	443	71	140
85	Badami	Kallapur.S.K	Rural	217	1257	611	646	47	0
86	Badami	Tappasakatti	Rural	182	1235	627	608	179	0
87	Badami	Kakanur	Rural	527	2763	1345	1418	761	153
88	Badami	Chimmanakatti	Rural	342	2072	1015	1057	112	9
89	Badami	Chirlakoppa	Rural	253	1337	680	657	37	28
90	Badami	Khanapur S.K.	Rural	583	2964	1563	1401	338	213
91	Badami	Somanakoppa	Rural	233	1446	732	714	43	14
92	Badami	Aladakatti	Rural	143	873	448	425	18	68
93	Badami	Muttalageri	Rural	729	4503	2233	2270	256	1400
94	Badami	Mallapur	Rural	196	1121	575	546	301	0
95	Badami	Lakhamapur	Rural	308	1577	772	805	110	269
96	Badami	Belawalakoppa	Rural	282	1475	751	724	109	220
97	Badami	Bankaneri	Rural	147	907	466	441	61	509
98	Badami	Timmapur S.N.	Rural	190	960	498	462	130	60
99	Badami	Narasapur	Rural	298	1694	868	826	137	218
100	Badami	Kulageri	Rural	252	1523	795	728	149	27
101	Badami	Karalakoppa	Rural	108	604	296	308	82	14
102	Badami	Haganur	Rural	134	806	416	390	126	7
103	Badami	Alur .S.K.	Rural	244	1304	667	637	56	62
104	Badami	Talakawad	Rural	115	651	339	312	28	0
105	Badami	Beeranur	Rural	171	844	417	427	34	20
106	Badami	Govanakoppa	Rural	299	1533	803	730	312	204
107	Badami	Wadawatti	Rural	117	636	301	335	82	7
108	Badami	Kalas	Rural	140	825	414	411	78	316
109	Badami	Kittali	Rural	384	1940	997	943	296	94
110	Badami	Sulla	Rural	327	1517	758	759	268	108
111	Badami	Hebballi	Rural	687	3497	1778	1719	203	65
112	Badami	Mumaraddikoppa	Rural	107	435	207	228	58	35
113	Badami	Hiremuchalagudda	Rural	280	1728	907	821	44	20
114	Badami	Chikkamuchalagudda	Rural	202	1097	588	509	153	99
115	Badami	Bedarabudihal	Rural	96	542	269	273	81	116
116	Badami	Kutakanakeri	Rural	512	2664	1343	1321	103	590
117	Badami	Kendur	Rural	515	2872	1444	1428	692	278
118	Badami	Nandikeshwar	Rural	941	5188	2631	2557	487	259
119	Badami	Bhadra Nayakan Jalihal	Rural	310	1448	715	733	106	72
120	Badami	Bachinagudd	Rural	272	1520	768	752	66	24

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
121	Badami	Pattadakall	Rural	533	2573	1260	1313	295	215
122	Badami	Gonal	Rural	136	798	416	382	84	41
123	Badami	Shirabadagi	Rural	218	1095	554	541	73	13
124	Badami	Mangalur	Rural	238	1116	561	555	75	17
125	Badami	Govanaki	Rural	39	278	201	77	9	86
126	Badami	Nelwagi	Rural	214	1125	556	569	46	299
127	Badami	Adagal	Rural	726	4138	2107	2031	710	2276
128	Badami	Kabbalageri	Rural	350	2064	1060	1004	146	846
129	Badami	Badami (Rural) *	Rural	18	83	51	32	5	0
130	Badami	Nagaral [S.B]	Rural	87	540	277	263	93	217
131	Badami	Navilahole	Rural	99	615	312	303	12	0
132	Badami	Hosur	Rural	865	5111	2599	2512	515	179
133	Badami	Hirenasabi	Rural	304	1333	673	660	281	25
134	Badami	Chikkanasabi	Rural	52	236	109	127	60	17
135	Badami	Cholachagudda	Rural	1050	4936	2457	2479	801	175
136	Badami	Yaragoppa.S.B	Rural	613	3548	1789	1759	531	238
137	Badami	Budihal	Rural	106	516	255	261	84	36
138	Badami	Jakanur	Rural	80	340	149	191	67	19
139	Badami	Neeralagi	Rural	187	947	446	501	76	14
140	Badami	Thaminal	Rural	131	641	327	314	175	0
141	Badami	Katharaki	Rural	286	1539	778	761	193	27
142	Badami	Khyad	Rural	358	1794	885	909	380	132
143	Badami	Manneri	Rural	217	1153	585	568	314	0
144	Badami	Dhanakashirur	Rural	280	1173	573	600	236	60
145	Badami	Belur	Rural	1105	5481	2726	2755	1114	555
146	Badami	Jalihal	Rural	1160	5917	2989	2928	1572	262
147	Badami	Guddada Mallapur	Rural	103	629	313	316	23	16
148	Badami	Anantagiri	Rural	116	736	381	355	507	43
149	Badami	Nasagunni	Rural	89	464	247	217	22	126
150	TOWN	Kerur (TP)	Urban	3665	19731	9929	9802	2152	2242
151	TOWN	Badami (TMC)	Urban	6214	30943	15539	15404	4562	1833
152	TOWN	Guledgudda (TMC)	Urban	6466	33382	16631	16751	2484	1628
	Taluk Total	**Badami**	**Total**	**61605**	**330860**	**166748**	**164112**	**46677**	**32308**
	Taluk Total	**Badami**	**Rural**	**45260**	**246804**	**124649**	**122155**	**37479**	**26605**
	Taluk Total	**Badami**	**Urban**	**16345**	**84056**	**42099**	**41957**	**9198**	**5703**

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
1	Bagalkot	Udagatti	Rural	249	1284	649	635	96	24
2	Bagalkot	Sharadal	Rural	144	825	413	412	13	102
3	Bagalkot	Ankalagi	Rural	253	1201	609	592	323	76
4	Bagalkot	Kaladgi	Rural	2742	13676	6906	6770	1682	1044
5	Bagalkot	Govindkopp	Rural	191	1247	644	603	81	14
6	Bagalkot	Hire-Sansi	Rural	222	1278	621	657	61	0
7	Bagalkot	Chikk-Sansi	Rural	144	672	336	336	146	58
8	Bagalkot	Devanal	Rural	314	1601	812	789	159	57
9	Bagalkot	Sokanadgi	Rural	311	1828	946	882	266	538
10	Bagalkot	Chebbi	Rural	342	1884	946	938	160	98
11	Bagalkot	Yadahalli	Rural	308	1601	786	815	185	94
12	Bagalkot	Anadinni	Rural	426	2182	1101	1081	208	27
13	Bagalkot	Bannidinni	Rural	94	483	248	235	35	97
14	Bagalkot	Honaralli	Rural	62	383	187	196	79	0
15	Bagalkot	Sorakopp	Rural	195	1046	554	492	376	0
16	Bagalkot	Kesanur *	Rural	69	393	199	194	47	128
17	Bagalkot	Nakargundi	Rural	137	753	368	385	20	33
18	Bagalkot	Sindagi	Rural	70	402	210	192	10	21
19	Bagalkot	Kadampur	Rural	190	992	498	494	64	31
20	Bagalkot	Yankachi	Rural	181	915	462	453	137	30
21	Bagalkot	Sidnal	Rural	12	54	30	24	0	0
22	Bagalkot	Andamuranal	Rural	16	81	46	35	0	0
23	Bagalkot	Salagundi	Rural	78	360	185	175	50	0
24	Bagalkot	Veerapur	Rural	235	1139	575	564	104	139
25	Bagalkot	Muranal	Rural	222	1147	581	566	222	168
26	Bagalkot	Gaddankeri	Rural	1187	5603	2794	2809	469	293
27	Bagalkot	Simikeri	Rural	1518	7653	3809	3844	1201	1233
28	Bagalkot	Tulasigeri	Rural	875	4612	2332	2280	786	768
29	Bagalkot	Khajjidoni	Rural	534	2549	1217	1332	386	244
30	Bagalkot	Kalasakopp	Rural	151	690	357	333	153	69
31	Bagalkot	Chickka-Shellikeri	Rural	391	1904	921	983	289	44
32	Bagalkot	Hire-Shellikeri	Rural	418	2158	1079	1079	159	491
33	Bagalkot	Durganagar	Rural	270	1658	831	827	1639	0
34	Bagalkot	Talagihal	Rural	26	148	78	70	21	0
35	Bagalkot	Ilal	Rural	21	98	49	49	46	0
36	Bagalkot	Hire-Hodlur	Rural	84	440	223	217	106	6
37	Bagalkot	Chick Hodlur	Rural	75	493	253	240	85	0
38	Bagalkot	Chikkmuramatti	Rural	13	88	43	45	4	0
39	Bagalkot	Hiremuramatti	Rural	0	0	0	0	0	0

40	Bagalkot	Muttatti	Rural	108	560	272	288	163	0

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
41	Bagalkot	Hiregulabal	Rural	73	554	277	277	551	3
42	Bagalkot	Basavanagar	Rural	34	315	165	150	314	0
43	Bagalkot	Chikkgulabal	Rural	346	1661	807	854	521	318
44	Bagalkot	Mastihal	Rural	50	245	118	127	44	21
45	Bagalkot	Alur	Rural	11	73	37	36	1	0
46	Bagalkot	Dharmnagar	Rural	174	977	492	485	947	1
47	Bagalkot	Chick Sitimani	Rural	136	676	358	318	623	3
48	Bagalkot	Sitimani	Rural	76	324	157	167	86	7
49	Bagalkot	Rampur	Rural	963	4816	2361	2455	913	178
50	Bagalkot	Timmapur	Rural	416	2123	1016	1107	591	3
51	Bagalkot	Jadramakunti	Rural	344	2112	1056	1056	436	44
52	Bagalkot	Siraguppi	Rural	501	2429	1197	1232	660	24
53	Bagalkot	Bennur	Rural	466	2185	1149	1036	340	44
54	Bagalkot	Sangondi	Rural	66	423	208	215	93	4
55	Bagalkot	Mugalalli	Rural	525	2921	1481	1440	1040	180
56	Bagalkot	Lavaleshavar	Rural	69	398	192	206	398	0
57	Bagalkot	Achanur	Rural	345	1844	916	928	610	8
58	Bagalkot	Bilkerur	Rural	431	2011	1040	971	380	221
59	Bagalkot	Manahalli	Rural	129	658	340	318	78	0
60	Bagalkot	Hosur	Rural	162	874	436	438	104	0
61	Bagalkot	Nagasampagi	Rural	127	734	378	356	63	0
62	Bagalkot	Nagaral	Rural	147	804	418	386	123	0
63	Bagalkot	Nainegali	Rural	494	2547	1291	1256	704	16
64	Bagalkot	Mankani	Rural	308	1666	816	850	328	1
65	Bagalkot	Sutagundar	Rural	384	2107	1076	1031	103	29
66	Bagalkot	Domanal	Rural	240	1264	618	646	160	0
67	Bagalkot	Bommanagi	Rural	285	1698	875	823	154	54
68	Bagalkot	Chick Myageri	Rural	258	1186	614	572	107	21
69	Bagalkot	Handaragala	Rural	121	733	371	362	92	0
70	Bagalkot	Hire Myageri	Rural	163	862	430	432	147	0
71	Bagalkot	Mudavinkopp	Rural	106	630	320	310	153	0
72	Bagalkot	Chitaginakopp	Rural	143	821	417	404	290	5
73	Bagalkot	Devalapur (S.M.)	Rural	168	978	473	505	88	0
74	Bagalkot	Bagalkot (Rural)	Rural	0	0	0	0	0	0
75	Bagalkot	Mallapur	Rural	35	177	99	78	10	24
76	Bagalkot	Kirasur	Rural	544	2782	1396	1386	384	263
77	Bagalkot	Bhagavati	Rural	581	2740	1337	1403	519	346
78	Bagalkot	Kadalimatti	Rural	292	1663	799	864	279	114

79	Bagalkot	Mudapaljivi	Rural	151	893	453	440	276	133
80	Bagalkot	Hallur	Rural	717	3343	1670	1673	451	164

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
81	Bagalkot	Sangapur	Rural	283	1532	785	747	170	74
82	Bagalkot	Bodanayakdinni	Rural	388	1815	875	940	180	0
83	Bagalkot	Bevoor	Rural	1096	5881	2947	2934	1102	760
84	Bagalkot	Choudapur	Rural	299	1781	890	891	193	51
85	Bagalkot	Ingalagi	Rural	144	697	359	338	71	66
86	Bagalkot	Bhairamatti	Rural	323	1760	881	879	263	125
87	Bagalkot	Benakatti	Rural	740	3203	1590	1613	890	21
88	Bagalkot	Mannikatti	Rural	301	1593	753	840	198	38
89	Bagalkot	Honnakatti	Rural	423	2359	1189	1170	86	1001
90	Bagalkot	Bevinamatti-S.Haveli	Rural	783	4047	2007	2040	292	1565
91	Bagalkot	Sigikeri	Rural	827	4148	2095	2053	1036	246
92	Bagalkot	Muchakhandi	Rural	521	2692	1353	1339	859	654
93	Bagalkot	Durgadevinagar	Rural	260	1541	769	772	1541	0
94	Bagalkot	Niralkeri	Rural	513	2737	1386	1351	312	839
95	Bagalkot	Sirur	Rural	2434	12623	6345	6278	1798	404
96	Bagalkot	Neelanagar	Rural	522	3444	1794	1650	3421	0
97	TOWN	Bagalkot (CMC)	Urban	22520	111933	56378	55555	11570	4230
	Taluk Total	**Bagalkot**	**Total**	**55836**	**285114**	**143220**	**141894**	**47174**	**18230**
	Taluk Total	**Bagalkot**	**Rural**	**33316**	**173181**	**86842**	**86339**	**35604**	**14000**
	Taluk Total	**Bagalkot**	**Urban**	**22520**	**111933**	**56378**	**55555**	**11570**	**4230**

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
1	Hungund	Basarikatti	Rural	129	759	386	373	198	6
2	Hungund	Kadiwal Kallapur	Rural	142	962	495	467	60	0
3	Hungund	Yeranaikanal	Rural	83	515	263	252	105	0
4	Hungund	Suralikal	Rural	162	954	493	461	29	0
5	Hungund	Basawanal	Rural	131	709	369	340	78	62
6	Hungund	Amblikoppa	Rural	151	747	376	371	41	0
7	Hungund	Muganur	Rural	211	1003	495	508	139	64
8	Hungund	Budihal (S.K.)	Rural	107	569	290	279	119	8
9	Hungund	Budihal (Inam)	Rural	93	445	237	208	101	27
10	Hungund	Bevinal	Rural	245	1458	746	712	54	30
11	Hungund	Hiremagi	Rural	443	2300	1187	1113	532	13
12	Hungund	Madapur	Rural	89	513	262	251	166	0
13	Hungund	Ramathal	Rural	219	1198	611	587	169	611
14	Hungund	Huvinahalli	Rural	263	1576	804	772	330	17
15	Hungund	Mullur	Rural	184	1277	639	638	61	59
16	Hungund	Kalligudda	Rural	181	1007	508	499	168	71
17	Hungund	Nimbalgundi	Rural	234	1232	609	623	164	14
18	Hungund	Aiahole	Rural	628	3403	1696	1707	427	37
19	Hungund	Kyadiggeri	Rural	125	629	326	303	22	34
20	Hungund	Kunabenchi	Rural	260	1480	744	736	239	7
21	Hungund	Rakkasagi	Rural	356	1860	910	950	424	0
22	Hungund	Sulibhavi	Rural	1844	10176	5140	5036	1003	163
23	Hungund	Gorjnal	Rural	180	963	496	467	195	280
24	Hungund	Tallikeri	Rural	280	1353	674	679	222	25
25	Hungund	Kelur	Rural	711	3913	1944	1969	634	100
26	Hungund	Chilapur	Rural	155	831	425	406	110	30
27	Hungund	Benakanavari	Rural	97	650	317	333	73	21
28	Hungund	Siddanakolla	Rural	113	699	355	344	7	47
29	Hungund	Upnal (S.C.)	Rural	72	487	244	243	148	23
30	Hungund	Bhimanagad	Rural	263	1555	817	738	138	321
31	Hungund	Chikanal	Rural	382	2203	1144	1059	146	209
32	Hungund	Muradi	Rural	458	2291	1175	1116	192	231
33	Hungund	Gandal	Rural	179	1039	553	486	357	610
34	Hungund	Dammur	Rural	269	1566	812	754	84	189
35	Hungund	Vadageri	Rural	407	2402	1262	1140	413	81
36	Hungund	Ilal	Rural	307	1706	871	835	154	54
37	Hungund	Chickmagi	Rural	324	1777	914	863	519	44
38	Hungund	Khairwadgi	Rural	127	700	360	340	80	19
39	Hungund	Papathanal	Rural	51	239	116	123	44	0

40	Hungund	Hiremalagavi	Rural	315	1519	732	787	304	0

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
41	Hungund	Chickmalagavi	Rural	87	375	193	182	60	0
42	Hungund	Ganjihal	Rural	609	3442	1731	1711	607	92
43	Hungund	Nandanoor	Rural	101	441	232	209	52	81
44	Hungund	Huvanur	Rural	353	1678	864	814	485	0
45	Hungund	Varagodadinni	Rural	163	835	437	398	119	3
46	Hungund	Kengalkadapatti	Rural	77	399	189	210	43	0
47	Hungund	Katagur	Rural	193	1197	601	596	362	0
48	Hungund	Turadagi	Rural	164	999	491	508	104	0
49	Hungund	Bisaladinni	Rural	254	1789	898	891	472	0
50	Hungund	Valakaladinni	Rural	91	506	226	280	39	0
51	Hungund	Chowdakamaladinni	Rural	36	143	73	70	21	0
52	Hungund	Sangam	Rural	846	4013	1927	2086	696	23
53	Hungund	Khajagal	Rural	76	421	206	215	42	1
54	Hungund	Iddalgi	Rural	446	2025	999	1026	289	15
55	Hungund	Bisanalkoppa	Rural	157	760	383	377	176	1
56	Hungund	Belgal	Rural	369	2048	1031	1017	517	21
57	Hungund	Medinapur	Rural	87	408	216	192	39	66
58	Hungund	Hadagali	Rural	250	1219	566	653	157	49
59	Hungund	Kirasur	Rural	93	520	248	272	62	0
60	Hungund	Timmapur	Rural	343	1694	873	821	844	76
61	Hungund	Chittaragi	Rural	470	2196	1071	1125	380	0
62	Hungund	Gangur	Rural	333	1817	881	936	308	2
63	Hungund	Huliginal	Rural	333	1870	954	916	310	0
64	Hungund	Kalagonal	Rural	42	240	132	108	22	12
65	Hungund	Bevinamatti	Rural	145	863	419	444	207	0
66	Hungund	Hireyaranakeri	Rural	78	415	210	205	2	14
67	Hungund	Chickyaranakeri	Rural	68	420	212	208	0	420
68	Hungund	Honnarahalli	Rural	232	1184	592	592	166	2
69	Hungund	Nagur	Rural	492	2550	1302	1248	325	0
70	Hungund	Yadahalli	Rural	80	439	249	190	7	0
71	Hungund	Chittawadgi	Rural	261	1412	714	698	341	19
72	Hungund	Chickbadawadgi	Rural	95	490	229	261	0	9
73	Hungund	Virapur	Rural	127	660	310	350	6	0
74	Hungund	Bannihatti	Rural	172	854	446	408	269	57
75	Hungund	Hirebadawadgi	Rural	270	1488	748	740	254	1
76	Hungund	Hungund (Rural)	Rural	2	8	5	3	0	0
77	Hungund	Kamadatta	Rural	78	398	198	200	67	0
78	Hungund	Adihal	Rural	136	617	322	295	82	3
79	Hungund	Yemmihatti	Rural	97	564	279	285	13	30

80	Hungund	Dhannur	Rural	416	2314	1267	1047	399	158

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
81	Hungund	Hullalli	Rural	188	884	449	435	229	0
82	Hungund	Koppa(S.M.)	Rural	244	1212	635	577	54	39
83	Hungund	Marol	Rural	415	2233	1119	1114	684	36
84	Hungund	Havaragi	Rural	277	1311	650	661	202	8
85	Hungund	Koujaganur	Rural	161	918	455	463	38	0
86	Hungund	Anapakatti	Rural	115	582	298	284	67	12
87	Hungund	Indawar	Rural	77	446	212	234	102	0
88	Hungund	Islampur	Rural	135	759	370	389	144	27
89	Hungund	Amarawadgi	Rural	186	1000	493	507	203	27
90	Hungund	Chinnapur (S.K.)	Rural	131	664	321	343	67	9
91	Hungund	Dasbal	Rural	96	556	294	262	114	3
92	Hungund	Kesarapenti	Rural	26	112	57	55	27	0
93	Hungund	Vadergonal	Rural	15	86	44	42	16	0
94	Hungund	Kamaladinni	Rural	145	714	372	342	81	0
95	Hungund	Kadiwal(Inam)	Rural	174	896	427	469	226	10
96	Hungund	Jalakamaladinni	Rural	186	1088	538	550	208	34
97	Hungund	Lavalasar	Rural	80	496	263	233	112	78
98	Hungund	Manmathanal	Rural	113	538	269	269	99	63
99	Hungund	Pochapur	Rural	109	636	330	306	149	0
100	Hungund	Kodihal	Rural	586	2723	1303	1420	289	97
101	Hungund	Karadi	Rural	701	3625	1820	1805	786	1
102	Hungund	Palti	Rural	107	639	322	317	92	0
103	Hungund	Konnur	Rural	53	314	149	165	66	34
104	Hungund	Chintakamaladinni	Rural	101	586	294	292	167	0
105	Hungund	Revadihal	Rural	50	259	126	133	14	4
106	Hungund	Bekamaladinni	Rural	59	355	178	177	39	0
107	Hungund	Hagedal	Rural	118	503	242	261	61	10
108	Hungund	Ramawadgi	Rural	186	895	457	438	276	61
109	Hungund	Amarawati	Rural	627	3011	1477	1534	639	70
110	Hungund	Binjawadgi	Rural	178	844	406	438	225	4
111	Hungund	Ghattiganur	Rural	198	1074	579	495	110	1
112	Hungund	Hemawadgi	Rural	96	579	292	287	123	7
113	Hungund	Turamari	Rural	89	585	294	291	41	15
114	Hungund	Tariwal	Rural	123	683	336	347	153	51
115	Hungund	Budihal (S.K.)	Rural	180	1005	522	483	263	0
116	Hungund	Benakanadoni	Rural	192	927	462	465	289	36
117	Hungund	Chamalapur	Rural	112	631	302	329	191	18
118	Hungund	Kambalihal	Rural	183	992	506	486	151	40
119	Hungund	Hirehunakunti	Rural	74	322	166	156	41	6

120	Hungund	Chatnihal	Rural	172	1042	524	518	38	54

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
121	Hungund	Malagihal	Rural	38	220	112	108	0	0
122	Hungund	Nidasanur	Rural	109	556	288	268	146	0
123	Hungund	Jambaladinni	Rural	223	1146	587	559	334	137
124	Hungund	Gadisunkapur	Rural	130	608	325	283	139	5
125	Hungund	Chikadapur	Rural	348	1749	865	884	514	53
126	Hungund	Nandavadgi	Rural	721	3917	2000	1917	545	60
127	Hungund	Harnapur	Rural	52	325	181	144	49	5
128	Hungund	Hireadapur	Rural	126	548	276	272	78	27
129	Hungund	Hiresinganagutti	Rural	532	2598	1294	1304	491	134
130	Hungund	Tumba	Rural	272	1346	689	657	343	59
131	Hungund	Kesarabhavi	Rural	158	875	459	416	388	0
132	Hungund	Chinnapur (S.T.)	Rural	191	1044	509	535	299	0
133	Hungund	Herur	Rural	360	1840	928	912	290	19
134	Hungund	Gopsani	Rural	45	268	123	145	27	0
135	Hungund	Chicksinganagutti	Rural	156	814	409	405	62	5
136	Hungund	Krishnapur	Rural	340	1852	913	939	575	94
137	Hungund	Gonal (S.K.)	Rural	211	1290	653	637	344	6
138	Hungund	Kandgal	Rural	1132	6486	3265	3221	706	393
139	Hungund	Chick-Otageri	Rural	182	945	485	460	157	111
140	Hungund	Vajjal	Rural	177	955	493	462	187	2
141	Hungund	Ingalgi	Rural	185	922	456	466	135	111
142	Hungund	Tondihal	Rural	122	703	360	343	190	47
143	Hungund	Ilkal (Rural)	Rural	0	0	0	0	0	0
144	Hungund	Gorbal	Rural	465	2510	1236	1274	220	63
145	Hungund	Hire-Otageri	Rural	277	1418	725	693	222	130
146	Hungund	Gudur (S.B.)	Rural	134	647	326	321	55	43
147	Hungund	Hanamanal	Rural	86	423	215	208	30	0
148	Hungund	Gonal (S.B.)	Rural	78	424	201	223	135	6
149	Hungund	Hireupnal	Rural	185	966	464	502	110	3
150	Hungund	Balakundi	Rural	392	1923	949	974	451	190
151	Hungund	Ishwarnagar	Rural	639	3891	1942	1949	3742	41
152	Hungund	Sankalapur	Rural	133	685	349	336	45	1
153	Hungund	Sevalalnagar	Rural	238	1573	791	782	1570	0
154	Hungund	Chickkodagali	Rural	309	1744	870	874	1333	36
155	Hungund	Hirekodagali	Rural	457	2532	1257	1275	1221	75
156	Hungund	Gugalmari	Rural	163	934	462	472	298	404
157	Hungund	Gonal (S.T.)	Rural	132	819	411	408	177	16
158	Hungund	Maratgeri	Rural	344	1982	1032	950	419	45

Sl. No.	Name of the Taluk	Name of the Village	Rural/ Urban	No. House Holds	Total Population	Total Male Population	Total Female Population	Total SC Population	Total ST Population
159	Hungund	Somalapur	Rural	143	978	505	473	228	0
160	TOWN	Hungund (TP)	Urban	4178	20877	10563	10314	3113	330
161	TOWN	Ilkal (CMC)	Urban	11472	60242	30265	29977	6006	1409
162	TOWN	Kamatgi (CT)	Urban	2885	15620	7925	7695	1734	1514
163	TOWN	Aminagad (CT)	Urban	2925	15073	7627	7446	2570	172
164	TOWN	Gudur (CT)	Urban	2136	11969	5882	6087	1357	414
	Taluk Total	**Hungund**	**Total**	**60331**	**321338**	**161741**	**159597**	**54704**	**11677**
	Taluk Total	**Hungund**	**Rural**	**36735**	**197557**	**99479**	**98078**	**39924**	**7838**
	Taluk Total	**Hungund**	**Urban**	**23596**	**123781**	**62262**	**61519**	**14780**	**3839**
	SUB-DISTRICT	**Area not under any Sub-district**	**Total**	**7212**	**36055**	**18208**	**17847**	**5951**	**322**
	SUB-DISTRICT	**Area not under any Sub-district**	**Rural**	**0**	**0**	**0**	**0**	**0**	**0**
	SUB-DISTRICT	**Area not under any Sub-district**	**Urban**	**7212**	**36055**	**18208**	**17847**	**5951**	**322**
	DISTRICT TOTAL		**Total**	**361149**	**1889752**	**950111**	**939641**	**319149**	**97203**
	DISTRICT TOTAL		**Rural**	**242690**	**1291906**	**650267**	**641639**	**238014**	**80820**
	DISTRICT TOTAL		**Urban**	**118459**	**597846**	**299844**	**298002**	**81135**	**16383**

Annexure III: Area wise Cropwise Irrigation Status

Name of the Block: Badami

Crop Type	Kharif(Area in ha)			Rabi(Area in ha)			Summer(Area in ha)			Total(Area in ha)			Horticulture & plantation (Area in ha)		
	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	Total
A) Cereals	16207	4096	**20303**	6477	20584	**27061**	317	0	**317**	23001	24680	**47681**	0	0	0
B) Coarse Cereals	1025	9000	**10025**	0	0	**0**	0	0	**0**	1025	9000	**10025**	0	0	0
C) Pulses	0	8515	**8515**	1050	7157	**8207**	20	0	**20**	1070	15672	**16742**	0	0	0
D) Oil Seeds	950	1053	**2003**	1067	6943	**8010**	9317	0	**9317**	11334	7996	**19330**	0	0	0
E) Fibre	1100	0	**1100**	200	0	**200**	0	0	**0**	1300	0	**1300**	0	0	0
F) Sugarcane	7400	0	**7400**	1000	0	**1000**	150	0	**150**	8550	0	**8550**	0	0	0
Total	**26682**	**22664**	**49346**	**9794**	**34684**	**44478**	**9804**	**0**	**9804**	**46280**	**57348**	**103628**	**2095**	**4430**	**6525**

Name of the Block: Bagalkot

Crop Type	Kharif(Area in ha)			Rabi(Area in ha)			Summer(Area in ha)			Total(Area in ha)			Horticulture & plantation (Area in ha)		
	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**
A) Cereals	4800	70	4870	14417	12259	26676	597	0	597	19814	12329	32143	0	0	0
B) Coarse Cereals	383	4068	4451	0	0	0	0	0	0	383	4068	4451	0	0	0
C) Pulses	1630	7364	8994	5792	8042	13834	207	0	207	7629	15406	23035	0	0	0
D) Oil Seeds	520	1211	1731	698	2134	2832	4800	0	4800	6018	3345	9363	0	0	0
E) Fibre	118	0	118	0	0	0	0	0	0	118	0	118	0	0	0
F) Sugarcane	4119	0	4119	500	0	500	450	0	450	5069	0	5069	0	0	0
Total	11570	12713	24283	21407	22435	43842	6054	0	6054	39031	35148	74179	1213	1600	2813

Name of the Block: Bilagi

Crop Type	Kharif(Area in ha)			Rabi(Area in ha)			Summer(Area in ha)			Total(Area in ha)			Horticulture & plantation (Area in ha)		
	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**
A) Cereals	3125	0	3125	2850	9050	11900	417	0	417	6392	9050	15442	0	0	0
B) Coarse Cereals	725	1100	1825	0	0	0	0	0	0	725	1100	1825	0	0	0
C) Pulses	220	605	825	1333	2977	4310	97	0	97	1650	3582	5232	0	0	0
D) Oil Seeds	565	395	960	633	730	1363	6023	0	6023	7221	1125	8346	0	0	0
E) Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F) Sugarcane	12590	0	12590	3300	0	3300	450	0	450	16340	0	16340	0	0	0
Total	17225	2100	19325	8116	12757	20873	6987	0	6987	32328	14857	47185	1251	375	1626

Name of the Block: Hungund

Crop Type	Kharif(Area in ha)			Rabi(Area in ha)			Summer(Area in ha)			Total(Area in ha)			Horticulture & plantation (Area in ha)		
	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**
A) Cereals	2613	0	**2613**	11424	27215	**38639**	213	0	**213**	14250	27215	**41465**	0	0	**0**
B) Coarse Cereals	210	432	**642**	0	0	**0**	0	0	**0**	210	432	**642**	0	0	**0**
C) Pulses	1070	11249	**12319**	12933	36540	**49473**	84	0	**84**	14087	47789	**61876**	0	0	**0**
D) Oil Seeds	4165	6487	**10652**	6383	13581	**19964**	4317	0	**4317**	14865	20068	**34933**	0	0	**0**
E) Fibre	40	0	**40**	0	0	**0**	0	0	**0**	40	0	**40**	0	0	**0**
F) Sugarcane	1351	0	**1351**	70	0	**70**	70	0	**70**	1491	0	**1491**	0	0	**0**
Total	**9449**	**18168**	**27617**	**30810**	**77336**	**108146**	**4684**	**0**	**4684**	**44943**	**95504**	**140447**	**6281**	**4380**	**10661**

Name of the Block: Jamkhandi

Crop Type	Kharif(Area in ha)			Rabi(Area in ha)			Summer(Area in ha)			Total(Area in ha)			Horticulture & plantation (Area in ha)		
	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**
A) Cereals	10855	800	**11655**	13425	18344	**31769**	747	0	**747**	25027	19144	**44171**	0	0	**0**
B) Coarse Cereals	25	2254	**2279**	0	0	**0**	0	0	**0**	25	2254	**2279**	0	0	**0**
C) Pulses	77	3669	**3746**	1867	4133	**6000**	32	0	**32**	1976	7802	**9778**	0	0	**0**
D) Oil Seeds	1649	607	**2256**	1050	120	**1170**	1028	0	**1028**	3727	727	**4454**	0	0	**0**
E) Fibre	0	0	**0**	0	0	**0**	0	0	**0**	0	0	**0**	0	0	**0**
F) Sugarcane	36344	0	**36344**	8050	0	**8050**	1410	0	**1410**	45804	0	**45804**	0	0	**0**
Total	**48950**	**7330**	**56280**	**24392**	**22597**	**46989**	**3217**	**0**	**3217**	**76559**	**29927**	**106486**	**3266**	**0**	**3266**

Name of the Block: Mudhol

Crop Type	Kharif(Area in ha)			Rabi(Area in ha)			Summer(Area in ha)			Total(Area in ha)			Horticulture & plantation (Area in ha)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**
A) Cereals	4700	0	4700	7988	13594	21582	533	0	533	13221	13594	26815	0	0	0
B) Coarse Cereals	75	221	296	0	0	0	0	0	0	75	221	296	0	0	0
C) Pulses	50	515	565	2076	3149	5225	60	0	60	2186	3664	5850	0	0	0
D) Oil Seeds	1638	21	1659	278	391	669	1184	0	1184	3100	412	3512	0	0	0
E) Fibre	166	0	166	10	0	10	0	0	0	176	0	176	0	0	0
F) Sugarcane	38307	0	38307	10775	0	10775	1200	0	1200	50282	0	50282	0	0	0
Total	44936	757	45693	21127	17134	38261	2977	0	2977	69040	17891	86931	1118	0	1118

Name of the Block: District Total

Crop Type	Kharif(Area in ha)			Rabi(Area in ha)			Summer(Area in ha)			Total(Area in ha)			Horticulture & plantation (Area in ha)		
	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**	Irrigated	Rainfed	**Total**
A) Cereals	42300	4966	47266	56581	101046	157627	2824	0	2824	101705	106012	207717	0	0	0
B) Coarse Cereals	2443	17075	19518	0	0	0	0	0	0	2443	17075	19518	0	0	0
C) Pulses	3047	31917	34964	25051	61998	87049	500	0	500	28598	93915	122513	0	0	0
D) Oil Seeds	9487	9774	19261	10109	23899	34008	26669	0	26669	46265	33673	79938	0	0	0
E) Fibre	1424	0	1424	210	0	210	0	0	0	1634	0	1634	0	0	0
F) Sugarcane	100111	0	100111	23695	0	23695	3730	0	3730	127536	0	127536	0	0	0
Total	158812	63732	222544	115646	186943	302589	33723	0	33723	308181	250675	558856	15224	10785	26009

Annexure IV : Status of Command Area

Projects : Ghataprabha , Malaprabha and Hippragi Projects

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
GLBC Project										
1	Jamkhandi	Jagadal	43.70	43.70	0	0	0	0	43.70	0.00
2	Jamkhandi	Bandigani	364.89	364.89	0	0	0	0	364.89	0.00
3	Jamkhandi	Kulhalli	1248.99	1248.99	0	0	0	0	1248.99	0.00
4	Jamkhandi	Yallatti	240.36	240.36	0	0	0	0	240.36	0.00
5	Jamkhandi	Asangi	902.58	902.58	0	0	0	0	902.58	0.00
6	Jamkhandi	Madharkhandi	956.55	956.55	0	0	0	0	956.55	0.00
7	Jamkhandi	Hunnur	659.46	659.46	0	0	0	0	659.46	0.00
8	Jamkhandi	Ramateertha	7.93	7.93	0	0	0	0	7.93	0.00
9	Jamkhandi	Jamkhandi	2092.16	2092.16	0	0	0	0	2092.16	0.00
10	Jamkhandi	Kumbarhall	487.08	487.08	0	0	0	0	487.08	0.00
11	Jamkhandi	Hanchinal	425.13	425.13	0	0	0	0	425.13	0.00
12	Jamkhandi	Kankanawadi	513.26	513.26	0	0	0	0	513.26	0.00
13	Jamkhandi	Kadapatti	159.85	159.85	0	0	0	0	159.85	0.00
14	Jamkhandi	sanal	174.42	174.42	0	0	0	0	174.42	0.00
15	Jamkhandi	Algur	890.20	890.20	0	0	0	0	890.20	0.00
16	Jamkhandi	Kunchanur	679.62	679.62	0	0	0	0	679.62	0.00
17	Jamkhandi	Maigur	865.43	865.43	0	0	0	0	865.43	0.00
18	Jamkhandi	Shiraguppi	467.46	467.46	0	0	0	0	467.46	0.00
19	Jamkhandi	Muttur	131.47	131.47	0	0	0	0	131.47	0.00
20	Jamkhandi	Albal	973.10	973.10	0	0	0	0	973.10	0.00
21	Jamkhandi	Hipparagi	1522.07	1522.07	0	0	0	0	1522.07	0.00
22	Jamkhandi	Sasalatti	1387.60	1387.60	0	0	0	0	1387.60	0.00
23	Jamkhandi	Terdal	3766.00	3766.00	0	0	0	0	3766.00	0.00
24	Jamkhandi	Hosur	1142.42	1142.42	0	0	0	0	1142.42	0.00

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
25	Jamkhandi	Chimmad	628.49	628.49	0	0	0	0	628.49	0.00
26	Jamkhandi	Banahatti	322.90	322.90	0	0	0	0	322.90	0.00
27	Jamkhandi	Jagadal	655.34	655.34	0	0	0	0	655.34	0.00
28	Jamkhandi	Navalagi	275.61	275.61	0	0	0	0	275.61	0.00
29	Jamkhandi	Kalatippi	395.33	395.33	0	0	0	0	395.33	0.00
30	Jamkhandi	Golabavi	555.30	555.30	0	0	0	0	555.30	0.00
31	Jamkhandi	Kallatti	44.24	44.24	0	0	0	0	44.24	0.00
32	Jamkhandi	Yaragatti	570.48	570.48	0	0	0	0	570.48	0.00
33	Jamkhandi	Hanagandi	283.39	283.39	0	0	0	0	283.39	0.00
34	Jamkhandi	Rabakavi	205.44	205.44	0	0	0	0	205.44	0.00
35	Jamkhandi	Halingali	30.11	30.11	0	0	0	0	30.11	0.00
36	Jamkhandi	Tamadaddi	12.14	12.14	0	0	0	0	12.14	0.00
37	Jamkhandi	Chimmad	421.00	421.00	0	0	0	0	421.00	0.00
38	Jamkhandi	Gani	637.00	637.00	0	0	0	0	637.00	0.00
39	Jamkhandi	Konnur	2310.05	2310.05	0	0	0	0	2310.05	0.00
40	Jamkhandi	Mareguddi	539.00	539.00	0	0	0	0	539.00	0.00
41	Jamkhandi	Chinagundi	545.00	545.00	0	0	0	0	545.00	0.00
42	Jamkhandi	Budni	251.00	251.00	0	0	0	0	251.00	0.00
43	Jamkhandi	Linganoor	476.82	476.82	0	0	0	0	476.82	0.00
		Total	29260.37	29260.37	0	0	0	0	29260.37	0.00
44	Mudhol	Mantur	974.25	974.25	0	0	0	0	974.25	0
45	Mudhol	Koshori	439.76	439.76	0	0	0	0	439.76	0
46	Mudhol	Melligeri	230.02	230.02	0	0	0	0	230.02	0
47	Mudhol	Halagali	548.80	548.8	0	0	0	0	548.80	0
48	Mudhol	Marikatti	443.00	443	0	0	0	0	443.00	0
49	Mudhol	Vajramatti	304.17	304.17	0	0	0	0	304.17	0
50	Mudhol	Bidari	711.33	711.33	0	0	0	0	711.33	0

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
51	Mudhol	Antapur	381.35	381.35	0	0	0	0	381.35	0
52	Mudhol	Koppa S K	1158.16	1158.16	0	0	0	0	1158.16	0
53	Mudhol	Alagundi B K	1722.14	1722.14	0	0	0	0	1722.14	0
54	Mudhol	Baragi	1046.85	1046.85	0	0	0	0	1046.85	0
55	Mudhol	Machaknur	774.92	774.92	0	0	0	0	774.92	0
56	Mudhol	Mantur	259.41	259.41	0	0	0	0	259.41	0
57	Mudhol	Yadahalli	666.32	666.32	0	0	0	0	666.32	0
58	Mudhol	Melligeri	162.00	162	0	0	0	0	162.00	0
59	Mudhol	Akkimaradi	681.00	681	0	0	0	0	681.00	0
60	Mudhol	Belagali	476.00	476	0	0	0	0	476.00	0
61	Mudhol	Nandagaon	80.00	80	0	0	0	0	80.00	0
62	Mudhol	Shirol	1690.00	1690	0	0	0	0	1690.00	0
63	Mudhol	Malapur	308.00	308	0	0	0	0	308.00	0
64	Mudhol	Budni P M	841.15	841.15	0	0	0	0	841.15	0
65	Mudhol	Mugalkhod	2069.87	2069.87	0	0	0	0	2069.87	0
66	Mudhol	Malali	1062.98	1062.98	0	0	0	0	1062.98	0
67	Mudhol	Nagaral	1171.00	1171	0	0	0	0	1171.00	0
68	Mudhol	Mudhol	2418.65	2418.65	0	0	0	0	2418.65	0
69	Mudhol	Kulali	915.13	915.13	0	0	0	0	915.13	0
70	Mudhol	Ingalagi	1412.70	1412.7	0	0	0	0	1412.70	0
71	Mudhol	Sorgaon	610.43	610.43	0	0	0	0	610.43	0
72	Mudhol	Yadahalli	54.63	54.63	0	0	0	0	54.63	0
73	Mudhol	Jiragal	471.00	471	0	0	0	0	471.00	0
74	Mudhol	Janjarkoppa	529.00	529	0	0	0	0	529.00	0
		Total	24614.02	24614.02	0	0	0	0	24614.02	0

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
86	Bilagi	Anagawadi	304.95	304.95	0	0	0	0	304.95	0
87	Bilagi	Girisagar	112.00	112.00	0	0	0	0	112.00	0
88	Bilagi	Herakal	903.45	903.45	0	0	0	0	903.45	0
89	Bilagi	Sunag	1314.80	1314.80	0	0	0	0	1314.80	0
90	Bilagi	Siddapur	703.34	703.34	0	0	0	0	703.34	0
91	Bilagi	Teggi	418.14	418.14	0	0	0	0	418.14	0
92	Bilagi	Tolamatti	815.76	815.76	0	0	0	0	815.76	0
93	Bilagi	Tummaramatti	334.12	334.12	0	0	0	0	334.12	0
94	Bilagi	Kovalli	320.07	320.07	0	0	0	0	320.07	0
95	Bilagi	Badaradinni	143.31	143.31	0	0	0	0	143.31	0
96	Bilagi	Honnihal	231.43	231.43	0	0	0	0	231.43	0
97	Bilagi	Yatnatti	60.94	60.94	0	0	0	0	60.94	0
98	Bilagi	Mannikeri	816.65	816.65	0	0	0	0	816.65	0
99	Bilagi	Davaleshwar	60.70	60.70	0	0	0	0	60.70	0
100	Bilagi	Garudadinni	175.02	175.02	0	0	0	0	175.02	0
101	Bilagi	Korti	300.76	300.76	0	0	0	0	300.76	0
102	Bilagi	Bilagi	0.00	0.00	0	0	0	0	0.00	0
103	Bilagi	Nagaral	1675.07	1675.07	0	0	0	0	1675.07	0
104	Bilagi	Badagandi	573.85	573.85	0	0	0	0	573.85	0
105	Bilagi	Rolli	580.70	580.70	0	0	0	0	580.70	0
106	Bilagi	Mannikeri	667.50	667.50	0	0	0	0	667.50	0
107	Bilagi	Gulabal	132.00	132.00	0	0	0	0	132.00	0
108	Bilagi	Yadahalli	368.27	368.27	0	0	0	0	368.27	0
109	Bilagi	Kolur	588.80	588.80	0	0	0	0	588.80	0
110	Bilagi	Mundaganur	37.00	37.00	0	0	0	0	37.00	0

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
111	Bilagi	Chikkahanchinal	379.74	379.74	0	0	0	0	379.74	0
112	Bilagi	Rabakavi	220.40	220.40	0	0	0	0	220.40	0
113	Bilagi	Choudapur	224.72	224.72	0	0	0	0	224.72	0
114	Bilagi	Amalazari	174.00	174.00	0	0	0	0	174.00	0
115	Bilagi	Teggi	102.89	102.89	0	0	0	0	102.89	0
116	Bilagi	Ballur	132.96	132.96	0	0	0	0	132.96	0
117	Bilagi	Hanchinal	161.00	161.00	0	0	0	0	161.00	0
118	Bilagi	Girigaon	1859.05	1859.05	0	0	0	0	1859.05	0
119	Bilagi	Gudadinni	92.40	92.40	0	0	0	0	92.40	0
120	Bilagi	Badagi	259.87	259.87	0	0	0	0	259.87	0
121	Bilagi	Bisanal	64.12	64.12	0	0	0	0	64.12	0
122	Bilagi	Bavalatti	61.83	61.83	0	0	0	0	61.83	0
123	Bilagi	Janamatti	126.00	126.00	0	0	0	0	126.00	0
124	Bilagi	Kundaragi	416.34	416.34	0	0	0	0	416.34	0
125	Bilagi	Lingapur	37.00	37.00	0	0	0	0	37.00	0
126	Bilagi	Kataraki	613.80	613.80	0	0	0	0	613.80	0
127	Bilagi	Chikkalagundi	741.97	741.97	0	0	0	0	741.97	0
128	Bilagi	Arakeri	1013.99	1013.99	0	0	0	0	1013.99	0
129	Bilagi	Budihal	69.70	69.70	0	0	0	0	69.70	0
130	Bilagi	Kovalli	270.00	270.00	0	0	0	0	270.00	0
	Bilagi	Total	18660.41	18660.41	0	0	0	0	18660.41	0
GLBC TOTAL			72534.80	72534.80	0.00	0.00	0.00	0.00	72534.80	0.00

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
GRCB Project										
1	Mudhol	Metgud	1178.16	408.9	769.26	0	0	0	408.9	769.26
2	Mudhol	Jaliber	1056.34	799.99	256.35	0	0	0	799.99	256.35
3	Mudhol	Rugi	1181.13	136.03	1045.1	0	0	0	136.03	1045.1
4	Mudhol	Ontagodi	436.15	436.15	0	0	0	0	436.15	0
5	Mudhol	Chennal	413.43	114.57	298.86	0	0	0	114.57	298.86
6	Mudhol	Uttur	636.07	442.9	193.17	0	0	0	442.9	193.17
7	Mudhol	Ranganagi	939.92	226.72	713.2	0	0	0	226.72	713.2
8	Mudhol	Budni	14.9		14.9	0	0	0		14.9
9	Mudhol	Halki	359.44	359.44	0	0	0	0	359.44	0
10	Mudhol	Ningapur	798.27	602.9	195.37	0	0	0	602.9	195.37
11	Mudhol	Petlur	601.47	601.47	0	0	0	0	601.47	0
12	Mudhol	Chichakandi BK	677.59	257.03	420.56	0	0	0	257.03	420.56
13	Mudhol	Jambagi KD	468.96		468.96	0	0	0		468.96
14	Mudhol	Kasba Jambagi	689.91		689.91	0	0	0		689.91
15	Mudhol	Chichakandi KD	292.03		292.03	0	0	0		292.03
16	Mudhol	Gulgal Jambagi	1076.07	129.6	946.47	0	0	0	129.6	946.47
17	Mudhol	Bommanbudni	461.7	109.99	351.71	0	0	0	109.99	351.71
18	Mudhol	Kanasageri	965.79	885.79	80	0	0	0	885.79	80
19	Mudhol	Muddapur	904.8	828.72	76.08	0	0	0	828.72	76.08
20	Mudhol	Timmapur	577.41	377.41	200	0	0	0	377.41	200
21	Mudhol	Hebbal	946.74	946.74	0	0	0	0	946.74	0
22	Mudhol	Laxanatti	466.15	361.02	105.13	0	0	0	361.02	105.13
23	Mudhol	Naganapur	466.1	466.1	0	0	0	0	466.1	0
24	Mudhol	Hebbal	401.34		401.34	0	0	0		401.34
25	Mudhol	Choudapur	496.25	289.18	207.07	0	0	0	289.18	207.07

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
27	Mudhol	Lokapur	853.88	386.93	466.95	0	0	0	386.93	466.95
28	Mudhol	Varchgal	316.14		316.14	0	0	0		316.14
29	Mudhol	By.Aralikatti	175.03	140.92	34.11	0	0	0	140.92	34.11
30	Mudhol	Palkimani	197.81		197.81	0	0	0		197.81
31	Mudhol	Jadar Aralikatti	105.89		105.89	0	0	0		105.89
32	Mudhol	Jalikatti B K	510.78	510.78	0	0	0	0	510.78	0
33	Mudhol	Jalikatti K D	809.68	809.68	0	0	0	0	809.68	0
34	Mudhol	Badanur	997.09	236.29	760.8	0	0	0	236.29	760.8
35	Mudhol	Bantanur	690.65	541.63	149.02	0	0	0	541.63	149.02
36	Mudhol	Junnur	518.02	25.53	492.49	0	0	0	25.53	492.49
37	Mudhol	Udagatti	849.25	80.42	768.83	0	0	0	80.42	768.83
38	Mudhol	Shardal	403.99		403.99	0	0	0		403.99
39	Mudhol	Chikkur	765.74	254.92	510.82	0	0	0	254.92	510.82
		Total	23953.28	12020.96	11932.32	0	0	0	12020.96	11932.32
1	Badami	Kadarkoppa	1183.05	1183.05	0	0	0	0	1183.05	0
2	Badami	Anawal	1066.35	784.65	281.7	0	0	0	784.65	281.7
3	Badami	Hanamneri	618.76	579.86	38.9	0	0	0	579.86	38.9
4	Badami	Yendigeri	990.84	990.84	0	0	0	0	990.84	0
5	Badami	Kainkatti	124.16		124.16	0	0	0		124.16
6	Badami	Kalaskoppa	1110.17		1110.17	0	0	0		1110.17
7	Badami	Karadigudda	412.32	374.89	37.43	0	0	0	374.89	37.43
8	Badami	Kalbandkeri	82.02		82.02	0	0	0		82.02
9	Badami	Neerbudihal	725.94	395.35	330.59	0	0	0	395.35	330.59
10	Badami	Jalgeri	886.76	872.26	14.5	0	0	0	872.26	14.5
11	Badami	Bandakeri	234.29	234.29	0	0	0	0	234.29	0

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
12	Badami	Ganganbudihal	359.48	359.48	0	0	0	0	359.48	0
13	Badami	Hulageri	1029.24	579.38	449.86	0	0	0	579.38	449.86
14	Badami	Kagalgomba	687.02	260.27	426.75	0	0	0	260.27	426.75
15	Badami	Kerakalamatti	102.62	97.46	5.16	0	0	0	97.46	5.16
16	Badami	Hangaragi	632.95		632.95	0	0	0		632.95
17	Badami	Hirebudihal	232.7		232.7	0	0	0		232.7
18	Badami	Kadapatti	381.32		381.32	0	0	0		381.32
19	Badami	Katageri	2298.84	958.74	1340.1	0	0	0	958.74	1340.1
20	Badami	Kelavadi	183.54		183.54	0	0	0		183.54
21	Badami	Lingapur	260.98		260.98	0	0	0		260.98
		Total	13603.35	7670.52	5932.83	0	0	0	7670.52	5932.83
1	Bagalkot	Ankalagi	311.44	165.83	145.61	0	0	0	165.83	145.61
2	Bagalkot	Kajjidoni	992.27	864.29	127.98	0	0	0	864.29	127.98
3	Bagalkot	Shardal	110.42	86.38	24.04	0	0	0	86.38	24.04
4	Bagalkot	Kaladagi	1089.25	1089.25	0	0	0	0	1089.25	0
5	Bagalkot	Hireshellikeri	1910.76	589.61	1321.15	0	0	0	589.61	1321.15
6	Bagalkot	Simikeri	809.87	809.87	0	0	0	0	809.87	0
7	Bagalkot	Tulasigeri	761.93	761.93	0	0	0	0	761.93	0
8	Bagalkot	Govinkoppa	314.03		314.03	0	0	0		314.03
9	Bagalkot	Chiksanshi	713.06		713.06	0	0	0		713.06
10	Bagalkot	Shellikeri	591.18	35.99	555.19	0	0	0	35.99	555.19
11	Bagalkot	Chabbi	325		325	0	0	0		325
12	Bagalkot	Bannidinni	490		490	0	0	0		490
13	Bagalkot	Murnal	772.56		772.56	0	0	0		772.56
14	Bagalkot	Devnal	158.93		158.93	0	0	0		158.93

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
15	Bagalkot	Soknadagi	333.09	231.6	101.49	0	0	0	231.6	101.49
16	Bagalkot	Neeralakeri	964.15		964.15	0	0	0		964.15
17	Bagalkot	Shirur	5244.7	864.75	4379.95	0	0	0	864.75	4379.95
18	Bagalkot	Bevinmatti	407.08	282.04	125.04	0	0	0	282.04	125.04
19	Bagalkot	Honnakatti	194.24		194.24	0	0	0		194.24
20	Bagalkot	Sigikeri	738.76		738.76	0	0	0		738.76
21	Bagalkot	Mallapur	416.06	111.21	304.85	0	0	0	111.21	304.85
22	Bagalkot	Sulikeri	225.9	211.28	14.62	0	0	0	211.28	14.62
23	Bagalkot	Muchakandi	299.54		299.54	0	0	0		299.54
24	Bagalkot	Bagalkot	532.6		532.6	0	0	0		532.6
25	Bagalkot	Honnakatti	298.84		298.84	0	0	0		298.84
26	Bagalkot	Mallapur	238.52		238.52	0	0	0		238.52
		Total	19244.18	6104.03	13140.15	0	0	0	6104.03	13140.15
1	Hungund	Kamatagi	444.28		444.28	0	0	0		444.28
2	Hungund	Kamatagi	263.94		263.94	0	0	0		263.94
		Total	708.22	0	708.22	0	0	0	0	708.22
TOTAL GRBC			57509.03	25795.51	31713.52	0	0	0	25795.51	31713.52
TOTAL FOR GHATAPRABHA PROJECT			130043.83	98330.31	31713.52	0.00	0.00	0.00	98330.31	31713.52

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
MLBC Project										
1	Badami	Neelagund	74.00	74.00	0	0	0	0	74.00	0
2	Badami	Aladakatti	14.00	14.00	0	0	0	0	14.00	0
3	Badami	Timmapur SN	228.00	228.00	0	0	0	0	228.00	0
4	Badami	Belavalkoppa	212.00	212.00	0	0	0	0	212.00	0
5	Badami	Bankaneri	393.00	393.00	0	0	0	0	393.00	0
6	Badami	Muttalageri	832.00	832.00	0	0	0	0	832.00	0
7	Badami	Lakamapur	405.00	405.00	0	0	0	0	405.00	0
8	Badami	Mallapur	353.00	353.00	0	0	0	0	353.00	0
9	Badami	Yaragoppa	964.00	964.00	0	0	0	0	964.00	0
10	Badami	Anantapur	38.00	38.00	0	0	0	0	38.00	0
11	Badami	Hebballi	1012.00	1012.00	0	0	0	0	1012.00	0
12	Badami	Mummaraddikoppa	291.00	291.00	0	0	0	0	291.00	0
13	Badami	Cholachagudda	403.00	403.00	0	0	0	0	403.00	0
14	Badami	Budihal	277.00	277.00	0	0	0	0	277.00	0
15	Badami	Jakanur	21.00	21.00	0	0	0	0	21.00	0
16	Badami	Gadaguli	61.00	61.00	0	0	0	0	61.00	0
17	Badami	Kataraki	320.00	320.00	0	0	0	0	320.00	0
18	Badami	Timanal	240.00	240.00	0	0	0	0	240.00	0
19	Badami	Neeralagi	101.00	101.00	0	0	0	0	101.00	0
20	Badami	Kyad	395.00	395.00	0	0	0	0	395.00	0
21	Badami	Belavalkoppa	525.00	525.00	0	0	0	0	525.00	0
22	Badami	Kittali	1055.00	1055.00	0	0	0	0	1055.00	0
23	Badami	Sulla	561.00	561.00	0	0	0	0	561.00	0
24	Badami	Badami	1448.00	1448.00	0	0	0	0	1448.00	0

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
25	Badami	Shivapur	20.00	20.00	0	0	0	0	20.00	0
26	Badami	Kabbalageri	140.00	140.00	0	0	0	0	140.00	0
27	Badami	Adagal	106.00	106.00	0	0	0	0	106.00	0
28	Badami	Kendura	861.00	861.00	0	0	0	0	861.00	0
29	Badami	Kutakanakeri	312.00	312.00	0	0	0	0	312.00	0
30	Badami	Nandikeshwar	1060.00	1060.00	0	0	0	0	1060.00	0
31	Badami	Nelavagi	205.00	205.00	0	0	0	0	205.00	0
32	Badami	Govanki	101.00	101.00	0	0	0	0	101.00	0
33	Badami	Hanasanur	913.00	913.00	0	0	0	0	913.00	0
34	Badami	B.Budihal	152.00	152.00	0	0	0	0	152.00	0
35	Badami	B N Jalihal	321.00	321.00	0	0	0	0	321.00	0
36	Badami	Bachingudda	178.00	178.00	0	0	0	0	178.00	0
37	Badami	Pattadakallu	357.00	357.00	0	0	0	0	357.00	0
38	Badami	Akkaragal	344.00	344.00	0	0	0	0	344.00	0
39	Badami	Togunashi	595.00	595.00	0	0	0	0	595.00	0
40	Badami	Muradi	213.00	213.00	0	0	0	0	213.00	0
41	Badami	S P Khanapur	183.00	183.00	0	0	0	0	183.00	0
42	Badami	Paravathi	453.00	453.00	0	0	0	0	453.00	0
43	Badami	Kataganihalli	275.00	275.00	0	0	0	0	275.00	0
44	Badami	Kotanalli	125.00	125.00	0	0	0	0	125.00	0
45	Badami	Asangi	348.00	348.00	0	0	0	0	348.00	0
46	Badami	Layalagundi	81.00	81.00	0	0	0	0	81.00	0
47	Badami	Kotikal	34.00	34.00	0	0	0	0	34.00	0
48	Badami	Teggi	464.00	464.00	0	0	0	0	464.00	0
49	Badami	Hirebudihal	409.00	409.00	0	0	0	0	409.00	0

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
50	Badami	Hangaragi	185.00	185.00	0	0	0	0	185.00	0
51	Badami	Kazibudihal	79.00	79.00	0	0	0	0	79.00	0
52	Badami	Kelavadi	317.00	317.00	0	0	0	0	317.00	0
53	Badami	Timmasagar	88.00	88.00	0	0	0	0	88.00	0
54	Badami	Lingapur	129.00	129.00	0	0	0	0	129.00	0
55	Badami	Kotekal	212.00	212.00	0	0	0	0	212.00	0
56	Badami	Dhanakshirur	100.00	100.00	0	0	0	0	100.00	0
57	Badami	Belur	159.50	159.50	0	0	0	0	159.50	0
58	Badami	Jalihal	624.10	624.10	0	0	0	0	624.10	0
59	Badami	Manneri	426.00	426.00	0	0	0	0	426.00	0
60	Badami	Kallapur	141.22	141.22	0	0	0	0	141.22	0
61	Badami	Khanapur SK	120.30	120.30	0	0	0	0	120.30	0
62	Badami	Somnakoppa	48.22	48.22	0	0	0	0	48.22	0
63	Badami	Chiralakoppa	85.82	85.82	0	0	0	0	85.82	0
64	Badami	Kulageri	29.45	29.45	0	0	0	0	29.45	0
65	Badami	Chimmanakatti	37.41	37.41	0	0	0	0	37.41	0
66	Badami	Kakanur	644.55	644.55	0	0	0	0	644.55	0
67	Badami	Mammutgeri	87.00	87.00	0	0	0	0	87.00	0
68	Badami	Hanumsagar	179.00	179.00	0	0	0	0	179.00	0
69	Badami	Narasapur	353.00	353.00	0	0	0	0	353.00	0
70	Badami	Talkawad	271.02	271.02	0	0	0	0	271.02	0
71	Badami	Birnur	364.02	364.02	0	0	0	0	364.02	0
72	Badami	Neelagund	461.00	461.00	0	0	0	0	461.00	0

73	Badami	Vadavatti	182.11	182.11	0	0	0	0	182.11	0
74	Badami	Govanakoppa	440.34	440.34	0	0	0	0	440.34	0

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
75	Badami	Kalasa	144.88	144.88	0	0	0	0	144.88	0
76	Badami	Karlkoppa	259.32	259.32	0	0	0	0	259.32	0
77	Badami	Haganur	303.23	303.23	0	0	0	0	303.23	0
78	Badami	S. K. Alur	355.52	355.52	0	0	0	0	355.52	0
79	Badami	Timmapur	24.00	24.00	0	0	0	0	24.00	0
80	Badami	Bankneri	133.00	133.00	0	0	0	0	133.00	0
81	Badami	Chirlkoppa	163.12	163.12	0	0	0	0	163.12	0
82	Badami	Khanapur	150.47	150.47	0	0	0	0	150.47	0
83	Badami	Kulageri	261.71	261.71	0	0	0	0	261.71	0
84	Badami	Somanakoppa	239.00	239.00	0	0	0	0	239.00	0
		Total of MLBC	26271.31	26271.31	0	0	0	0	26271.31	0
TOTAL Canal (Ghataprabha+Malaprabha)			156315.14	124601.62	31713.52	0.00	0.00	0.00	124601.62	31713.52

Sl. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area	Developed Area	Undeveloped Area	Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
LIFT IRRIGATION / DIVERSION (Ongoing Projects)										
Hipparagi Lift Irrigation (Savalagi -Tungal)										
East Canal										
1	Jamkhandi	Savalagi	2286.81	1492.85	793.96	0	0	0	1492.85	793.96
2	Jamkhandi	Tungal	2403.32	1890.03	513.29	0	0	0	1890.03	513.29
3	Jamkhandi	Kuragod	161.89	0	161.89	0	0	0	0	161.89
4	Jamkhandi	Kannolli	930.66	828.58	102.08	0	0	0	828.58	102.08
5	Jamkhandi	Gadyal	328.91	328.91	0	0	0	0	328.91	0
6	Jamkhandi	Todalbagi	449.61	0	449.61	0	0	0	0	449.61
West Canal										
7	Jamkhandi	Tungal	134.11	0	134.11	0	0	0	0	134.11
Hipparagi Project Total			**6695.31**	**4540.37**	**2154.94**	**0**	**0**	**0**	**4540.37**	**2154.94**
Tubachi Babaleshwar Lift Irrigation Scheme										
1	Jamkhandi	Gothe	2288.25	0	2288.25	0	0	0	0	2288.25
2	Jamkhandi	Gadyal	393.21	0	393.21	0	0	0	0	393.21
3	Jamkhandi	Kalabilagi	1577.43	0	1577.43	0	0	0	0	1577.43
4	Jamkhandi	kajibilagi	165.62	0	165.62	0	0	0	0	165.62
5	Jamkhandi	Savalagi	203.43	0	203.43	0	0	0	0	203.43
6	Jamkhandi	Kuragod	293.34	0	293.34	0	0	0	0	293.34
7	Jamkhandi	Kannolli	492.42	0	492.42	0	0	0	0	492.42
8	Jamkhandi	Tungal	101.15	0	101.15	0	0	0	0	101.15
9	Jamkhandi	Nagaral	68.07	0	68.07	0	0	0	0	68.07
Project Total			**5582.92**	**0**	**5582.92**	**0**	**0**	**0**	**0**	**5582.92**

Status of Command Area

Name of the Block : Bagalkot, Badami, Hunagund, Mudhol, Jamakhandi, Bilagi

S. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Developed Command	Undeveloped Command
1		2	3	4	5	6	7	8	10	11
I	**Almatti Right Bank Canal**									
1	Bagalkot	Sitimani	159.03	159.03	--	--	--	--	159.03	--
2	Bagalkot	Rampur	131.22	131.22	--	--	--	--	131.22	--
3	Bagalkot	Manahalli	395.63	395.63	--	--	--	--	395.63	--
4	Bagalkot	Timmapur	118.58	118.58	--	--	--	--	118.58	--
5	Bagalkot	Nagasampagi	191.74	191.74	--	--	--	--	191.74	--
6	Bagalkot	Nagarhalli	126.53	126.53	--	--	--	--	126.53	--
7	Bagalkot	Hosur	198.44	198.44	--	--	--	--	198.44	--
8	Bagalkot	Nayanegali	267.21	267.21	--	--	--	--	267.21	--
9	Bagalkot	Muduvinkoppa	432.56	432.56	--	--	--	--	432.56	--
10	Bagalkot	Mankani	642.59	642.59	--	--	--	--	642.59	--
11	Bagalkot	Devalapur	55.79	55.79	--	--	--	--	55.79	--
12	Bagalkot	Domanal	335.48	335.48	--	--	--	--	335.48	--
13	Bagalkot	Sutagundar	366.91	366.91	--	--	--	--	366.91	--
14	Bagalkot	Chitaginakoppa	202.38	202.38	--	--	--	--	202.38	--
15	Bagalkot	Bommanagi	211.58	211.58	--	--	--	--	211.58	--
16	Bagalkot	Chikkamageri	376.12	376.12	--	--	--	--	376.12	--
17	Bagalkot	Chikkahandargal	224.73	224.73	--	--	--	--	224.73	--
18	Bagalkot	Hire myageri	263.67	263.67	--	--	--	--	263.67	--
		Sub total	**4700.19**	**4700.19**	**0**	**0**	**0**	**0**	**4700.19**	**0**
1	Hungund	Huvanoor	247.75	247.75	--	--	--	--	247.75	--
2	Hungund	Hiremalagavi	152.54	152.54	--	--	--	--	152.54	--

3	Hungund	Chikkamalagavi	98.17	98.17	--	--	--	--	98.17	--
4	Hungund	Ganjihal	527.62	527.62	--	--	--	--	527.62	--

S.No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Developed Command	Undeveloped Command
1		2	3	4	5	6	7	8	10	11
5	Hungund	Nandnoor	118.08	118.08	--	--	--	--	118.08	--
6	Hungund	Chavadakamaladinni	197.88	197.88	--	--	--	--	197.88	--
7	Hungund	Sangam	433.12	433.12	--	--	--	--	433.12	--
8	Hungund	Varagodadinni	339.74	339.74	--	--	--	--	339.74	--
9	Hungund	Papatnal	124.33	124.33	--	--	--	--	124.33	--
10	Hungund	Katagur	428.7	428.7	--	--	--	--	428.7	--
11	Hungund	Turadagi	370.74	370.74	--	--	--	--	370.74	--
12	Hungund	Bisaladinni	178.48	178.48	--	--	--	--	178.48	--
13	Hungund	Valakaldinni	124.47	124.47	--	--	--	--	124.47	--
14	Hungund	Kengal kadapatti	69.47	69.47	--	--	--	--	69.47	--
15	Hungund	Kajagal	35.54	35.54	--	--	--	--	35.54	--
16	Hungund	Khairwaagi	228.65	228.65	--	--	--	--	228.65	--
17	Hungund	Chikkamagi	201.94	201.94	--	--	--	--	201.94	--
18	Hungund	Suralikal	109.69	109.69	--	--	--	--	109.69	--
19	Hungund	Malaghavi	5.65	5.65	--	--	--	--	5.65	--
20	Hungund	Budihal	97.4	97.4	--	--	--	--	97.4	--
21	Hungund	Muganoor	82.19	82.19	--	--	--	--	82.19	--
22	Hungund	Basavanal	67.64	67.64	--	--	--	--	67.64	--
		Sub total	**4239.79**	**4239.79**	**0**	**0**	**0**	**0**	**4239.79**	**0**
		Net total of ARBC	**8939.98**	**8939.98**	**0**	**0**	**0**	**0**	**8939.98**	**0**
II	**Mulawad LIS West Canal**									
1	Jamkhandi	Bidari	975.27	975.27	--	--	--	--	975.27	--
2	Jamkhandi	Chikkalaki	259.34	259.34	--	--	--	--	259.34	--
3	Jamkhandi	Kavatagi	782.38	782.38	--	--	--	--	782.38	--

4	Jamkhandi	Chikkapadasali	272.25	272.25	--	--	--	--	272.25	--
5	Jamkhandi	Janwad	423.6	423.6	--	--	--	--	423.6	--
		Total	**2712.84**	**2712.84**	**0**	**0**	**0**	**0**	**2712.84**	

S.No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Developed Command	Undeveloped Command
1		2	3	4	5	6	7	8	10	11
III	**Sonna LIS**									
1	Bilagi	Davaleshwar	240.75	240.75	--	--	--	--	240.75	--
2	Bilagi	Sonna	36.01	36.01	--	--	--	--	36.01	--
3	Bilagi	Bilagi	245.68	245.68	--	--	--	--	245.68	--
4	Bilagi	Nagaral	24.25	24.25	--	--	--	--	24.25	--
		Total	**546.69**	**546.69**	**0**	**0**	**0**	**0**	**546.69**	**0**
IV	**Ramthal (Marol) Ist Stage LIS West canal**									
1	Hungund	Marol	1027.44	1027.44	--	--	--	--	1027.44	--
2	Hungund	Koppa S.M	619.76	619.76	--	--	--	--	619.76	--
3	Hungund	Ramawadagi	346.64	346.64	--	--	--	--	346.64	--
4	Hungund	Hullalli	315.96	315.96	--	--	--	--	315.96	--
5	Hungund	Dhannur	1429.42	1429.42	--	--	--	--	1429.42	--
6	Hungund	Bisanalkoppa	350.9	350.9	--	--	--	--	350.9	--
7	Hungund	Belagal	228.93	228.93	--	--	--	--	228.93	--
8	Hungund	Hadagali	229.24	229.24	--	--	--	--	229.24	--
9	Hungund	Iddalagi	107.31	107.31	--	--	--	--	107.31	--
10	Hungund	Medinapur	180.57	180.57	--	--	--	--	180.57	--
11	Hungund	Kirsur	238.31	238.31	--	--	--	--	238.31	--
12	Hungund	Yematti	62.84	62.84	--	--	--	--	62.84	--
13	Hungund	Kamadatta	159.97	159.97	--	--	--	--	159.97	--
14	Hungund	Adihal	107.79	107.79	--	--	--	--	107.79	--
15	Hungund	Chittaragi	631.4	631.4	--	--	--	--	631.4	--
16	Hungund	Gangur	295.84	295.84	--	--	--	--	295.84	--
17	Hungund	Madapur	183.89	183.89	--	--	--	--	183.89	--
18	Hungund	Timmapur	4.82	4.82	--	--	--	--	0	4.82
19	Hungund	Hiremagi	258.5	258.5	--	--	--	--	258.5	--
20	Hungund	Budihal	44.71	44.71	--	--	--	--	44.71	12.41

21	Hungund	Hulyal	94.69	94.69	--	--	--	--	94.69	--
22	Hungund	Gangur	51.87	51.87	--	--	--	--	51.87	51.87
		Net total	**6970.8**	**6970.8**	**0**	**0**	**0**	**0**	**6965.98**	**69.1**

S. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Developed Command	Undeveloped Command
1		2	3	4	5	6	7	8	10	11
V	**Ramthal (Marol) Ist stage LIS East Canal**									
1	Hungund	Havaragi	718.84	718.84	--	--	--	--	718.84	--
2	Hungund	Marol	290.44	290.44	--	--	--	--	290.44	--
3	Hungund	Kadiwal	138.89	138.89	--	--	--	--	138.89	--
4	Hungund	Chintakamaldinni	355.19	355.19	--	--	--	--	355.19	--
5	Hungund	Revadihal	214.1	214.1	--	--	--	--	214.1	--
6	Hungund	Jalakamaldinni	466.85	466.85	--	--	--	--	466.85	--
7	Hungund	Kamaldinni	559.85	559.85	--	--	--	--	559.85	--
8	Hungund	Koujagnur	315.47	315.47	--	--	--	--	315.47	--
9	Hungund	Lawalasar	326.05	326.05	--	--	--	--	326.05	--
10	Hungund	Bekamaldinni	82.25	82.25	--	--	--	--	82.25	--
11	Hungund	Gattiganur	111.3	111.3	--	--	--	--	111.3	--
12	Hungund	Hagedal	106.1	106.1	--	--	--	--	106.1	--
13	Hungund	Anupkatti	5.67	5.67	--	--	--	--	5.67	--
14	Hungund	Kongawad	36.36	36.36	--	--	--	--	36.36	--
15	Hungund	Ramwadagi	132.87	132.87	--	--	--	--	132.87	--
16	Hungund	Hegadyal	58.38	58.38	--	--	--	--	58.38	--
17	Hungund	Binjarawadagi	32.44	32.44	--	--	--	--	32.44	--
18	Hungund	Gattiganur	89.81	89.81	--	--	--	--	89.81	--
19	Hungund	Turamuri	86.31	86.31	--	--	--	--	86.31	--
20	Hungund	Ningapur	233.42	233.42	--	--	--	--	233.42	--
21	Hungund	Dasabal	161.21	161.21	--	--	--	--	161.21	--

22	Hungund	Kesarapent	93.44	93.44	--	--	--	--	93.44	--
23	Hungund	Manmatnal	156.79	156.79	--	--	--	--	156.79	--

S. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Developed Command	Undeveloped Command
1		2	3	4	5	6	7	8	10	11
24	Hungund	Palati	141.95	141.95	--	--	--	--	141.95	--
25	Hungund	Hemawadagi	107.4	107.4	--	--	--	--	107.4	--
26	Hungund	Konur	117.49	117.49	--	--	--	--	117.49	--
27	Hungund	Karadi	376.53	376.53	--	--	--	--	376.53	--
28	Hungund	Pochapur	104.2	104.2	--	--	--	--	104.2	--
29	Hungund	Nilogal	65.08	65.08	--	--	--	--	65.08	--
30	Hungund	Chinnapur	50.88	50.88	--	--	--	--	50.88	--
31	Hungund	Amarwadagi	145.76	145.76	--	--	--	--	145.76	--
		Net total	**5881.32**	**5881.32**	**0**	**0**	**0**	**0**	**5881.32**	**0**
	Timmapur LIS DC-1									
1	Bagalkot	Timmapur	263.07	263.07	--	--	--	--	263.07	--
2	Bagalkot	Bilakerur	162.14	162.14	--	--	--	--	162.14	--
3	Bagalkot	Bodanayakdinni	378.53	378.53	--	--	--	--	378.53	--
4	Bagalkot	Bevoor	1323.09	1323.09	--	--	--	--	1323.09	--
5	Bagalkot	Hosur	171.36	171.36	--	--	--	--	171.36	--
6	Bagalkot	Chitaginkoppa	381.07	381.07	--	--	--	--	381.07	--
7	Bagalkot	Ganjihall	113.65	113.65	--	--	--	--	113.65	--
8	Bagalkot	Manahalli	0	0	--	--	--	--	0	--
9	Bagalkot	Nagsampige	651.27	651.27	--	--	--	--	651.27	--
10	Bagalkot	Nagaral	35.55	35.55	--	--	--	--	35.55	--
11	Bagalkot	Devalapur	101.81	101.81	--	--	--	--	101.81	--
12	Bagalkot	Domanal	148.33	148.33	--	--	--	--	148.33	--
13	Bagalkot	Sutagundar	411.4	411.4	--	--	--	--	411.4	--

14	Bagalkot	Mankani	154.6	154.6	--	--	--	--	154.6	--
15	Bagalkot	Nayanegali	447.72	447.72	--	--	--	--	447.72	--
16	Bagalkot	Bommanagi	190.26	190.26	--	--	--	--	190.26	--
17	Bagalkot	Chikkamyageri	219.32	219.32	--	--	--	--	219.32	--

S. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Developed Command	Undeveloped Command
1		2	3	4	5	6	7	8	10	11
18	Bagalkot	Hiremyageri	282.8	282.8	--	--	--	--	282.8	--
19	Bagalkot	Handargal	89.2	89.2	--	--	--	--	89.2	--
20	Bagalkot	Choudapur	548.82	548.82	--	--	--	--	548.82	--
21	Bagalkot	Bairmatti	141.84	141.84	--	--	--	--	141.84	--
22	Bagalkot	Benakatti	28.83	28.83	--	--	--	--	28.83	--
23	Bagalkot	Ingalagi	59.94	59.94	--	--	--	--	59.94	--
		Sub total	**6304.6**	**6304.6**	**0**	**0**	**0**	**0**	**6304.6**	**0**
1	Hungund	Ganjihal	1776.67	1776.67	--	--	--	--	1776.67	--
2	Hungund	Nandanur	240.53	240.53	--	--	--	--	240.53	--
3	Hungund	Hiremalgavi	579.29	579.29	--	--	--	--	579.29	--
4	Hungund	Muganur	3.23	3.23	--	--	--	--	3.23	--
5	Hungund	Khairwadagi	139.03	139.03	--	--	--	--	139.03	--
6	Hungund	Chikkamagi	489.87	489.87	--	--	--	--	489.87	--
7	Hungund	Budihal	380.02	380.02	--	--	--	--	380.02	--
8	Hungund	Varagodadinni	44.57	44.57	--	--	--	--	44.57	--
9	Hungund	Bisaladinni	165.33	165.33	--	--	--	--	165.33	--
10	Hungund	Turadagi	55.03	55.03	--	--	--	--	55.03	--
11	Hungund	Kengal Kadapatti	46.83	46.83	--	--	--	--	46.83	--
12	Hungund	Sangam	31.84	31.84	--	--	--	--	31.84	--
13	Hungund	Kengalgutti	44.29	44.29	--	--	--	--	44.29	--
14	Hungund	Chavadkamaldinni	25.05	25.05	--	--	--	--	25.05	--
15	Hungund	Hunur	61.85	61.85	--	--	--	--	61.85	--
16	Hungund	Valakaldinni	49.13	49.13	--	--	--	--	49.13	--

17	Hungund	Ambalikoppa	290.72	290.72	--	--	--	--	290.72	--
18	Hungund	Basavanal	215.57	215.57	--	--	--	--	215.57	--
19	Hungund	Muganur	338.97	338.97	--	--	--	--	338.97	--
20	Hungund	Suralikal	438.75	438.75	--	--	--	--	438.75	--

S. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Developed Command	Undeveloped Command
1		2	3	4	5	6	7	8	10	11
21	Hungund	Kadiwal kallapur	98.74	98.74	--	--	--	--	98.74	--
22	Hungund	Yarnikal	126.2	126.2	--	--	--	--	126.2	--
23	Hungund	Basarikatti	96.33	96.33	--	--	--	--	96.33	--
		Sub total	**5737.84**	**5737.84**	**0**	**0**	**0**	**0**	**5737.84**	**0**
		Net Total	**12042.44**	**12042.44**	**0**	**0**	**0**	**0**	**12042.44**	**0**
	Timmapur LIS DC-2									
1	Bagalkot	Bilakerur	273.5	273.5	--	--	--	--	273.5	--
2	Bagalkot	Bevoor	1689.24	1689.24	--	--	--	--	1689.24	--
3	Bagalkot	Choudapur	221.37	221.37	--	--	--	--	221.37	--
4	Bagalkot	Bodnayakandinni	237.97	237.97	--	--	--	--	237.97	--
5	Bagalkot	Bairmatti	332.85	332.85	--	--	--	--	332.85	--
6	Bagalkot	Kadiwalkllapur	186.24	186.24	--	--	--	--	186.24	--
7	Bagalkot	Hallur	36.59	36.59	--	--	--	--	36.59	--
8	Bagalkot	Suralikal	7.09	7.09	--	--	--	--	7.09	--
9	Bagalkot	Sangapur	30.94	30.94	--	--	--	--	30.94	--
		Net Total	**3015.79**	**3015.79**	**0**	**0**	**0**	**0**	**3015.79**	**0**
	Rolli Manikeri LIS									
1	Bilagi	Rolli	485.75	485.75	--	--	--	--	485.75	--
2	Bilagi	Badagandi	311.45	311.45	--	--	--	--	311.45	--
		Total	**797.2**	**797.2**	**0**	**0**	**0**	**0**	**797.2**	**0**
	Teggi Siddapur LIS									
1	Bilagi	Bilagi								
2'	Bilagi	Bisanal	72.93	72.93	--	--	--	--	72.93	--

3	Bilagi	Teggi	138.04	138.04	--	--	--	--	138.04	--
4	Bilagi	Siddapur	122.41	122.41	--	--	--	--	122.41	--
		Total	**333.38**	**333.38**	**0**	**0**	**0**	**0**	**333.38**	**0**

S. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Developed Command	Undeveloped Command
1		2	3	4	5	6	7	8	10	11
	Herkal LIS (South) East Canal.									
1	Badami	Hulasageri	211.97	0	211.97	--	--	--	0	211.97
2	Badami	Bandhakeri	79.13	0	79.13	--	--	--	0	79.13
3	Badami	Gubberakoppa	1.94	0	1.94	--	--	--	0	1.94
4	Badami	Hangaragi	6.85	0	6.85	--	--	--	0	6.85
5	Badami	Hulageri	160.2	0	160.2	--	--	--	0	160.2
6	Badami	Jammanakatti	335.8	0	335.8	--	--	--	0	335.8
7	Badami	Katageri	137.82	0	137.82	--	--	--	0	137.82
8	Badami	Konkanakoppa	54.34	0	54.34	--	--	--	0	54.34
9	Badami	Lakkasakoppa	287.66	0	287.66	--	--	--	0	287.66
10	Badami	Maninagara	6.59	0	6.59	--	--	--	0	6.59
11	Badami	Yaragoppa.	195.52	0	195.52	--	--	--	0	195.52
		Total	**1477.8**	**0**	**1477.82**	--	--	--	0	**1477.82**
	Herkal LIS (South) West Canal.									
1	Badami	Agasanakoppa	265.65	0	265.65	--	--	--	0	265.65
2	Badami	Chinchalakatti	3.63	0	3.63	--	--	--	0	3.63
3	Badami	Fakeera Boodhihal	111.05	0	111.05	--	--	--	0	111.05
4	Badami	Gubberakoppa	194	0	194	--	--	--	0	194
5	Badami	Halakurki	45.35	0	45.35	--	--	--	0	45.35
6	Badami	Hangaragi	269.28	0	269.28	--	--	--	0	269.28
7	Badami	Hirebudhihal	48.35	0	48.35	--	--	--	0	48.35
8	Badami	Jalageri	165.62	0	165.62	--	--	--	0	165.62

9	Badami	Jammanakatti	10.35	0	10.35	--	--	--	0	10.35
10	Badami	Kadapatti	137.77	0	137.77	--	--	--	0	137.77
11	Badami	Kaji Mudhihal	17.06	0	17.06	--	--	--	0	17.06
12	Badami	Kalabandhakeri	203.95	0	203.95	--	--	--	0	203.95
13	Badami	Kerur	341.53	0	341.53	--	--	--	0	341.53

S. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Developed Command	Undeveloped Command
1		2	3	4	5	6	7	8	10	11
14	Badami	Konkanakoppa	265.44	0	265.44	--	--	--	0	265.44
15	Badami	Lakkasakoppa	36.03	0	36.03	--	--	--	0	36.03
16	Badami	Malagi	529.33	0	529.33	--	--	--	0	529.33
17	Badami	Manisagara	185.3	0	185.3	--	--	--	0	185.3
18	Badami	Matthikatti	356.1	0	356.1	--	--	--	0	356.1
19	Badami	Narenura	582.95	0	582.95	--	--	--	0	582.95
20	Badami	Saganura	146.65	0	146.65	--	--	--	0	146.65
21	Badami	Yadiyana Hoskoti	81.16	0	81.16	--	--	--	0	81.16
22	Badami	Yankamji	352.93	0	352.93	--	--	--	0	352.93
23	Badami	Yaragoppa	172.67	0	172.67	--	--	--	0	172.67
		Total	**4522.2**	0	**4522.15**	--	--	--	**0**	**4522.15**
	HERKAL LIST (NORTH) EAST CANAL									
1	Bilagi	Bavalatti	43.84	0	43.84	--	--	--	--	43.84
2	Bilagi	Kovalli	72.92	0	72.92	--	--	--	--	72.92
3	Bilagi	Kundaragi	103.07	0	103.07	--	--	--	--	103.07
4	Bilagi	Sunaga	679.44	0	679.44	--	--	--	--	679.44
		Total	**899.27**	0	**899.27**	--	--	--	--	**899.27**

	HERKAL LIST (NORTH) WEST CANAL									
1	Bilagi	Arakere	150.61	0	150.61	--	--	--	0	150.61
2	Bilagi	Janamatti	264.11	0	264.11	--	--	--	0	264.11
3	Bilagi	Kundaragi	223.3	0	223.3	--	--	--	0	223.3
		Total	**638.02**	0	**638.02**	--	--	--	**0**	**638.02**

S. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Developed Command	Undeveloped Command
1		2	3	4	5	6	7	8	10	11
	Ramathal (Marol) LIS 2nd Stage West Side Drip Irrigation									
1	Hungund	Belagal	595.76	0	595.76	--	--	--	0	595.76
2	Hungund	Thimmapur	996.11	0	996.11	--	--	--	0	996.11
3	Hungund	Hunagund	2573.15	0	2573.15	--	--	--	0	2573.15
4	Hungund	Bevinamatti	758.63	0	758.63	--	--	--	0	758.63
5	Hungund	Hirebadawadagi	317.43	0	317.43	--	--	--	0	317.43
6	Hungund	Banihatti	279.12	0	279.12	--	--	--	0	279.12
7	Hungund	Rakkasagi	587.00	0	587	--	--	--	0	587
8	Hungund	Chittawadagi	208.99	0	208.99	--	--	--	0	208.99
9	Hungund	Honnarahalli	211.7	0	211.7	--	--	--	0	211.7
10	Hungund	Nagura	158.00	0	158	--	--	--	0	158
11	Hungund	Yadalli	21.91	0	21.91	--	--	--	0	21.91
12	Hungund	Aminagada	409.99	0	409.99	--	--	--	0	409.99
13	Hungund	Sulibhavi	476.33	0	476.33	--	--	--	0	476.33
14	Hungund	Chickkarayanakeri	209.97	0	209.97	--	--	--	0	209.97
15	Hungund	Hirerayanakeri	198.92	0	198.92	--	--	--	0	198.92
16	Hungund	Ramavadagi	118.69	0	118.69	--	--	--	0	118.69
17	Hungund	Iddalagi	525.50	0	525.5	--	--	--	0	525.5
18	Hungund	Bisanalkoppa	87.84	0	87.84	--	--	--	0	87.84

19	Hungund	Dannura	34.12	0	34.12	--	--	--	0	34.12
20	Hungund	Bisanal	285.15	0	285.15	--	--	--	0	285.15
21	Hungund	Hadagali	513.98	0	513.98	--	--	--	0	513.98
22	Hungund	Medinapura	129.80	0	129.8	--	--	--	0	129.8
23	Hungund	Kirasura	121.39	0	121.39	--	--	--	0	121.39

S. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Developed Command	Undeveloped Command
1		2	3	4	5	6	7	8	10	11
24	Hungund	Gangura	518.45	0	518.45	--	--	--	0	518.45
25	Hungund	Chittaragi	442.50	0	442.5	--	--	--	0	442.5
26	Hungund	Huluginala	718.40	0	718.4	--	--	--	0	718.4
27	Hungund	Kallugonala	183.80	0	183.8	--	--	--	0	183.8
28	Hungund	Madapura	68.80	0	68.8	--	--	--	0	68.8
		Total	**11751.43**	0	**11751.43**	--	--	--	0	**11751.43**
	Ramathal (Marol) LIS 2nd Stage East Side Drip Irrigation									
1	Hungund	Amaravati	1352.27	0	1352.27	--	--	--	0	1352.27
2	Hungund	Bekamaladinni	211.37	0	211.37	--	--	--	0	211.37
3	Hungund	Chinkatakamaladinni	7.61	0	7.61	--	--	--	0	7.61
4	Hungund	Havaragi	15.15	0	15.15	--	--	--	0	15.15
5	Hungund	Hegedal	571.78	0	571.78	--	--	--	0	571.78
6	Hungund	Hunagund	1906.47	0	1906.47	--	--	--	0	1906.47
7	Hungund	Kadiwal.	334.76	0	334.76	--	--	--	0	334.76
8	Hungund	Koppa	4.94	0	4.94	--	--	--	0	4.94
9	Hungund	Marol	156.68	0	156.68	--	--	--	0	156.68
10	Hungund	Ramavadagi	1082.63	0	1082.63	--	--	--	0	1082.63
11	Hungund	Revadihal	43.15	0	43.15	--	--	--	0	43.15

12	Hungund	Bannihatti	79.42	0	79.42	--	--	--	0	79.42
13	Hungund	Binjawadagi	769.85	0	769.85	--	--	--	0	769.85
14	Hungund	Chikkabadavadgi.	268.31	0	268.31	--	--	--	0	268.31
15	Hungund	Chittawadagi	420.74	0	420.74	--	--	--	0	420.74
16	Hungund	Hirebadavawadi	251.71	0	251.71	--	--	--	0	251.71
17	Hungund	Kesarbhavi	1090.59	0	1090.59	--	--	--	0	1090.59

S. No.	Name of the Block	Name of the Village	Information of Canal Command			Information on other Services Command			Total Area	
			Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Total Area in Ha.	Developed Area in Ha.	Undeveloped Area in Ha.	Developed Command	Undeveloped Command
1		2	3	4	5	6	7	8	10	11
18	Hungund	Virapur	209.18	0	209.18	--	--	--	0	209.18
19	Hungund	Chatnihal	323.22	0	323.22	--	--	--	0	323.22
20	Hungund	Chikhuakunti	0	0	0	--	--	--	0	0
21	Hungund	Chinnapur S.T.	99.28	0	99.28	--	--	--	0	99.28
22	Hungund	Ghattiganur	352.98	0	352.98	--	--	--	0	352.98
23	Hungund	Gopasani	242.53	0	242.53	--	--	--	0	242.53
24	Hungund	Hemmawadagi	83.09	0	83.09	--	--	--	0	83.09
25	Hungund	Herur	249.52	0	249.52	--	--	--	0	249.52
26	Hungund	Hirehunkunti	627.53	0	627.53	--	--	--	0	627.53
27	Hungund	Ingalahi	105.74	0	105.74	--	--	--	0	105.74
28	Hungund	Jambaladinni	42.99	0	42.99	--	--	--	0	42.99
29	Hungund	Konnur	9.23	0	9.23	--	--	--	0	9.23
30	Hungund	Malagihal	191.4	0	191.4	--	--	--	0	191.4
31	Hungund	Nindasnoor	463.21	0	463.21	--	--	--	0	463.21
32	Hungund	Tumba	296.9	0	296.9	--	--	--	0	296.9
33	Hungund	Turamari	383.92	0	383.92	--	--	--	0	383.92
34	Hungund	Yadahalli.	58.07	0	58.07	--	--	--	0	58.07
		Total	**12306.2**	**0**	**12306.22**	**--**	**--**	**--**	**0**	**12306.22**
MULWAD STAGE III (MALGHAN WEST CANAL)										
1	Jamkhandi	Chikkalagi	954	0	954	--	--	--	--	954

2	Jamkhandi	Gadyal	90	0	90	--	--	--	--	90
3	Jamkhandi	Todalbagi	1971	0	1971	--	--	--	--	1971
		SUB-TOTAL	**3014**	0	**3014**	--	--	--	--	**3014**
1	Bilagi	Kengalagutti	295	0	295	--	--	--	--	295
		NET TOTAL	**3309**	0	**3309**	--		--	--	**3309**
			76144.35	**41240.46**	**34903.96**	**0.00**	**0.00**	**0.00**	**41240.46**	**34903.96**