

DISTRICT IRRIGATION PLAN (DIP)



UTTARAKANNADA DISTRICT KARNATAKA STATE

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Executive summary

I. 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 is to adopt ‘decentralized State level planning and project 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: To focus on faster completion of ongoing Major and Medium Irrigation projects including National Projects.
2. PMKSY (HarKhetkoPani) by MoWR, RD & GR: Creation of new water sources through Minor Irrigation (both surface and ground water) repair, restoration and renovation of water bodies, strengthening of carrying capacity of traditional water sources, construction of rain water harvesting structures (Jal Sanchay), command area development, strengthening and creation of distribution network from source to the farm, improvement in water management and distribution system for water bodies to take advantage of available source which is not utilised to its fullest capacity.
3. PMKSY (Watershed) by Dept. of Land Resources and MoRD responsible for creation of water harvesting structures such as check dams, vented dams, nala bunds, farm ponds, tanks etc. Capacity building, entry point activities, ridge area treatment, drainage line treatment, soil and moisture conservation, nursery raising, afforestation, horticulture, fodder development, livelihood activities for the asset-less persons and production system & microenterprises for small and marginal farmers etc. and effective rainfall management like field bunding, contour bunding/trenching, staggered trenching, land levelling, mulching etc.
4. PMKSY (Per drop more crop) by Dept. of Agriculture & Cooperation, MoA Programme management, preparation of State/District Irrigation Plan, approval of annual action plan, Monitoring etc. promoting efficient water conveyance and precision water application devices like drips, sprinklers, pivots, rain-guns in the farm (Jal Sinchan). Topping up of input cost particularly under civil construction beyond permissible limit (40%), under MGNREGS for activities like lining of inlet and

outlet and creation of silt traps in distribution system etc. 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. 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 through water lifting devices like diesel/ electric/ solar pump sets including water carriage pipes.

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 Sinchan). Capacity building, training for encouraging potential use water source through technological, agronomic and management practices including community irrigation. Awareness campaign on water saving technologies, practices, programmes etc. organisation of workshops, conferences, publication of booklets, pamphlets, success stories, documentary, advertisements etc. improved/innovative distribution system like pipe and box outlet system with controlled outlet and other activities of enhancing water use efficiency.

District Irrigation Plan (DIP)

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 identified under Strategic Research & Extension Plan (SREP) are to 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.

i. 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 1.12 lakh Ha of net area sown in the district, about 32428 hectare (or 29%) 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.

ii. Vision

To utilize the available water resources in the district to the maximum extent in an efficient way to meet 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.

iii. Objective

Following are the objectives:

- Enhance the physical access of water on the farm and expand cultivable area under assured irrigation (HarKhetkopani).
- Integration of water source, distribution and its efficient use, to make best use of water through appropriate technologies and practices.
- Improve on-farm water use efficiency to reduce wastage and increase availability both in duration and extent.
- 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 using the watershed approach towards soil and water conservation, regeneration of ground water and arresting runoff.
- 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 wastewater for peri-urban agriculture.

iv. Strategy /Approach

- ❑ Creation of new water sources repair, restoration and renovation of defunct water sources; construction of water harvesting structures, secondary & micro storage, ground water development;
- ❑ Developing/augmenting distribution network where irrigation sources (both assured and protective) are available or created.
- ❑ 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;
- ❑ Promoting efficient water conveyance and field application devices within the farm *viz*, underground piping system, Drip & Sprinklers;
- ❑ Encouraging community irrigation through registered user groups;
- ❑ 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.

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 image 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 unirrigated area an overlay method is used. District irrigation plan covers the following 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

v. Rationale/ Justification Statement in reference to the status and need of irrigation

Uttara kannada district receives heavy rainfall on an average of 2900 mm annually. It is received during a short period of three to four months (June to September). Thereafter there is a long dry period. There are many rivers but all of them flood the district whenever rainfall is heavy. During summer these rivers get dried up. These problems have been aggravated because of the destruction of forests in the Western Ghats and removal of trees from the river banks besides the unscientific management and excessive exploitation of rivers and underground water for irrigation. All these contributed to water scarcity in the summer though the district receives abundant rainfall, the underground water potential is very poor this is because of the high intensity

of rainfall and the less water holding capacity of the soil (laterite). During summer the salt water from sea inundates to nalas, rivers during high tide thereby create salinity problems along the coastal belt.

Uttarakanda district belongs to zone 9 (Hilly zone 6 talukas) and zone 10 (coastal zone-5 talukas) comprising totally 11 talukas. The total geographical area is 1024679 ha. Out of this an extent of 111538 ha. Is under cultivation(10.88%).

Paddy is the major cereal crop of the district. Maize, Sugarcane, Ground nut, Pulses are also grown. The horticultural crops viz., arecanut, coconut, pepper, banana, mango, nutmeg, clove, ginger, pineapple and some vegetables are being grown in this district. All these crops have high water requirement. As there are no major irrigation projects, the agriculture is completely monsoon dependent. There is an opportunity to utilize water resource.

CHAPTER -1

District Profile

Table 1.1 - District Profile

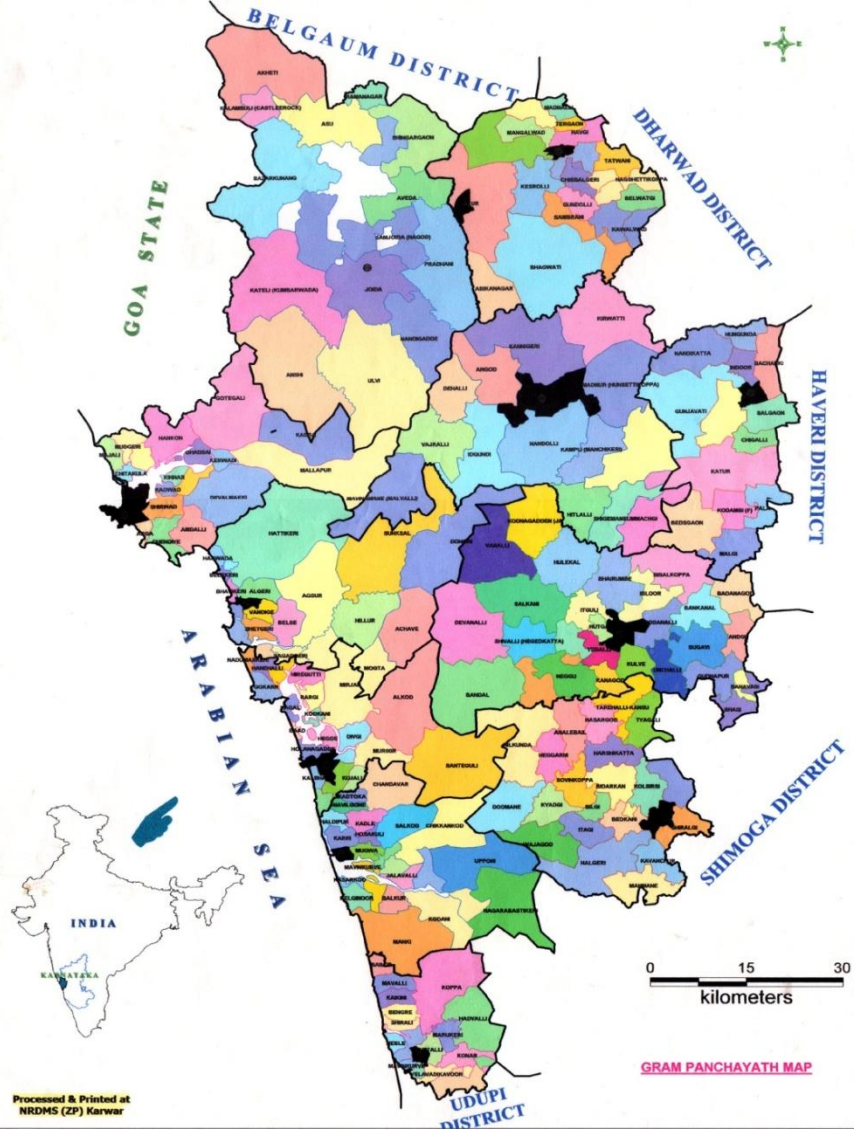
Uttara kannada district is well-known for its varied geographical features. Most of its area is hilly region and western part is coastal plain. The main geographical feature of the district is the Western Ghats or Sahyadri range which runs from north to south through the district between the Sahyadris and the Arabian sea is a narrow coastal strip of about 140 km. The spectacular features of the district is forest is about 813595 ha out of geographical area of 1024679 ha. The average annual rainfall in the district ranges between 1555mm to 4235 mm much of the rain receives during June –September. The district has 11 taluks and 35 hoblis

Total population of the district is 1437169, the average population density of the district is 140/sq km which is lesser than state average but sex ratio is 979 which is more than state average.

1.1 district profile

Sl.No.	District Profile	
1	District code	563
2	Geographical Area	1024679 ha
3	Latitude and Longitude	13 ⁰ 55' 02" to 15 ⁰ 31' 01" 74 ⁰ 0' 35" to 75 ⁰ 10' 23"
4	Area under forest	813595 ha
5	Area under agril use	81500 ha
6	Net sown area	111538 ha
7	Gross cropped area	122827 ha
8	Rainfed area	79110 ha
9	Irrigated area	32428 ha
10	Total No. of Blocks	11
11	Total No. Of Panchayat	244
12	Total No. Of Villages	1289
13	Annual rainfall Average	1555 mm to 4235 mm 2919 mm
14	Total population	1437169
15	Male population	726256
16	Female population	710913
17	Population growth(decadal)	6.17%
18	Total SC population	116431
19	Total ST population	34239
20	Total Urban population	418981
21	Total Rural population	1018188
22	Density of population	140 persons/sq. Km
23	Literacy percentage	84.06 %(state average-75.36%)
24	Sex ratio	979

25	Total livestock population	431815
26	Poultry	537037



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FIG 1.1 Uttarakannada Distirict showing Grama Panchayathth maps

1.2 BRIEF HISTORY OF THE DISTRICT

In accordance with the general practice this district too has been named after Karwar the district headquarter town. For more than a century and a half, this district was known as North Kanara or simply as Kanara in the official records and the Gazetteer compiled during the 1980s. In 1977 the name of the district was changed to Uttara Kannada vide the Government of Karnataka Notification No. RDF.6.TNV.76 dated 31.1.1977. The present change in name does not signify any material alteration in its name, for Uttara Kannada is a mere Kannada translation of the term North Kanara, the former Anglicized name. It was the Portuguese who bestowed the name Kanara (also spelt as Canara) to this territory along with its southern counterpart. The British who took control of these areas after the fall of Tipu Sultan in 1799 retained the name for the newly formed district. The entire coastal tract of the State was part of the Madras Presidency from 1817 to 1862. For a brief period from 1800-1817 however this district stood bifurcated from its southern counterpart. In 1862 the composite Kanara district was not only bifurcated but the northern half was transferred to the then Bombay Presidency while the southern portion was continued to be the part of Madras Presidency. Traditionally this coastal area of the state consists of the Deshas or countries named Konkana, Haiga and Tuluva as one moves down from north to south.

With a narrow coastal strip, a section of the Sahyadri mountain range and an expansive tract of the tableland to its east the district have a hoary past. The coastal area is supposed to have been retrieved from the sea by Parashurama the sixth incarnation of Lord Vishnu. It is believed that this coastal tract formed part of Ravana's kingdom. Gokarna has become a holy place being the abode of Lord Shiva. The Ishvaralinga here is now known as Mahabaleshvara. Kumbhakarna, the brother of Ravana is said to have performed penance in area belonging to this district. Yana a place of pilgrimage is known as Bhairava-Kshetra and regarded as the site where the demon Bhasmasura was finally vanquished. Lord Shiva himself is said to have performed penance at Kavala Cave here to overcome the ill effects cast on him by Shani (Saturn). Banavasi is associated with the episode relating to the slaying of the demons Madhu and Kaitabha by Lord Krishna.

Black and red ware pottery of the megalithic period discovered at Kantraji near Banavasi and the mesolithic tools found at several places between Gokarna and Karwar provide enough evidence to infer that certain parts of this district were inhabited by human beings during the pre-historic times. Excavations near Banavasi have brought to light the remnants of burnt brick structures, underground drainage pipes and several terracota figurines and also silver and lead coins. Mauryan emperor Ashoka, is stated in Mahavamsha that a Buddhist missionary was deputed to Banavasi to propagate Buddhism in this region. Ptolemy, the Greek geographer (150 A.D.) has mentioned Honavar in his travelogues. Undoubtedly, the district has an impressive historical past.

According to a stone inscription installed in memory of ShivasiriPulimavi this district was under the sway of the Shatakarnis during the earliest period of known history. GautamiputraShatakarni is stated to have restored the fortunes of this dynasty and VasistiputraShatakarni (130-159 A.D.) succeeded him as the coins of this period as well as a little later period when Chutus were ruling these parts have been discovered near Banavasi.

During the second and third centuries, the Chutus who were related to and were the feudatories of the Shatakarnis were ruling from Banavasi. Four Prakrit inscriptions and the lead coins unearthed bear testimony to this fact. Towards the close of the third century the Pallavas of Kanchi established their supremacy and retained power until the legendary MayuraVarmaKadamba drove them out from these parts. The founder of this dynasty is said to be Trinetra or Trilochana and the family got the name Kadamba on account of a Kadamba tree near its residential house. Mayura Sharma the son of Bandhusena and the grandson of Vishnu Sharma went to Kanchi, the capital of Pallavas for higher learning. The events, which took place during his sojourn at Kanchi inspired him to establish a kingdom. According to Chandravalli inscription, his sway extended as far as Chitradurga. KakusthaVarma is by far the greatest king of this dynasty. During the long period of his rule starting from 420 A.D., the kingdom reached the peak of its glory. The sovereignty of the Kadambas came to an end in about 540 A.D. when Pulkeshi II subdued them.

The Chalukyas of Badami conquered Banavasi and handed over the administration of Banavasimandala to the Alupas of Mangalore. In about 753 A.D., the Rashtrakutas overthrew the Chalukyas and Rajaditya was appointed as the governor of Banavasi province. The Chalukyas of Kalyan overtook the Rashtrakutas during this period; Banavasi was an important seat of administration and the headquarters of the governor. Vikramaditya VI was the Governor of Banavasi province for quite some time. In fact he used this position to ascend the throne of Kalyan. The next important dynasty, which ruled a large part of this district, is that of Yadavas of Devagiri. During this period, the Kadambas of Hanagal who had virtually been recognised as the successors of the Kadambas of Banavasi controlled the eastern tracts while their counterparts on the west namely the Goa Kadambas held sway over Ankola and Karwar areas as these were part of Konkan 900. Another branch of Kadambas known after Chandavara administered the region of Kumta and Honavar. The Hoysalas of Dwarasamudra tried to establish their supremacy over this district during this period when in 1119 A.D. Vishnuvardhana conquered Hanagal and subdued the Kadambas. However, shortly thereafter, Vikramaditya VI recaptured Hanagal and ensured the subjugation of the Kadambas to the Chalukya throne. Vishnuvardhana once again took Banavasi in 1140-1141 A.D. The fight for supremacy between Hoysalas and the Chalukyas continued in this region upto 1300 A.D. With the fall of Yadavas of Devagiri and the Hoysalas this district came under the supremacy of Delhi Empire. Honavar rose into prominence as the seat of a governor during this period.

The district was also greatly affected by the emergence of the Bahamani kingdom, especially its offshoot the Bijapur Sultanate on the one hand and the founding of the Vijayanagara Empire on the other. The Portuguese too added their influence on the coastal part and left their mark on the political and administrative set up.

In 1347, Marapa of Vijayanagara invaded Banavasi and paid a visit to Gokarna the holy place of pilgrimage. Thereafter, Banavasi and the surrounding areas began to be administered from Chandragutti. A little later Banavasi became the headquarters under the charge of MadhavaMantri, who is said to have conquered northwestern parts of this district from Goa Kadamba. In the initial stages the Saluvas of Gerusoppa and Haduvalli resisted the supremacy of Vijayanagara. Their

resistance could not last long and they too became the feudatories of the Vijayanagara Empire. For about four centuries the Salugas of Gerusoppa exercised control over the fertile tracts on either side of the river Sharavati. ShivappaNayaka of Keladi captured Channabhairadevi of the Haduvalli family in 1608 A.D. The other important dynasties of local chiefs are those of Bilgi and Sonda. The BilgiOdeyas had their capital at Insur in Siddapur taluk initially and ruled the areas in the present day taluks of Siddapur and Sagar. Later the capital was shifted to Bilgi, which was fortified by ChanteOdeya. He also conquered Bedkani and Kondli. SondaNayakas had their capital at Sonda in Sirsitaluk and were prominent during the latter half of the Vijayanagara period. They patronised Banavasi and its Madhukeshvara temple. The decline of Vijayanagara Empire led the Nayakas of Keladi to take charge of the district, who continued their cordial and friendly ties with the Portuguese. This helped the growth of overseas trade and made the district prosper. The Portuguese were allowed to establish factories and churches at Mirjan, Chandavar, Honavar and Bhatkal in 1678. The British too made their presence felt by establishing factories at Karwar and Bhatkal.

In 1675, Shivaji occupied the territory from Karwar to Gangavadi. In 1763, Hyder Ali annexed the district to Mysore kingdom. His son Tipu Sultan strengthened the forts and retained full control over the district till he fell fighting the British in 1799. Thereafter the district came under the administrative control of the British. The district was in forefront in the freedom struggle. In 1900-1901 there were some anti-British riots, which were soon put down. In 1930-1931, there was an uprising, which was quelled followed by Forest-Satyagraha, Salt Satyagraha and the no-tax campaign.

The district became a part of Madras Presidency under the British rule along with Kundapur taluk in the south and had a separate collectorate for more than a decade. From 1817 to 1862 it formed part of the composite Canara district. Initially there were seven taluks namely Kundapur, Honavar, Ankola, Bilgi, Banavasi, Sonda and Supa. However, there were many changes in the organisation of the district into taluks. In 1862, the northern division of the then Canara district excluding Kundapur taluk was transferred to Bombay Presidency. The headquarters of the district was shifted to Karwar from Honavar. The district comprised of the eight taluks of Ankola, Honavar, Karwar, Kumta, Haliyal, Siddapur, Sirsi and Yellapur besides the

three subtaluks or Petha was elevated to the status of a taluk. With the reorganisation of the state in 1956 the district became a part of the Karnataka State in 1960, the sub-taluks of Bhatkal and Supa were upgraded into full-fledged taluks bringing it to a total of eleven. For administrative convenience the eleven taluks are grouped into three revenue subdivisions namely Karwar subdivision with three taluks namely Karwar, Supa and Haliyal; Kumta subdivision with Kumta, Honavar, Bhatkal and Ankola; Sirsi sub-division with Sirsi, Siddapur, Mundagod and Yellandurtaluks. A new sub-division namely Bhatkal was constituted bifurcating Kumta Sub-division comprising the taluks of Honavar and Bhatkal vide Government of Karnataka Notification No. RD.13.LRD.93 dated 19.3.94. The district itself comes under the jurisdiction of Belgaum Division.

1.3 PRESENT ADMINISTRATIVE PROFILE:

The district headquarters is located at Karwar town. The district is divided into four subdivisions, namely - Bhatkal comprising Bhatkal, Honnavar taluks, Karwar comprising Haliyal, Karwar and Supa taluks, Kumta comprising of Kumta and Ankola and Sirsi comprising of sirsi, Yellapur, Siddapur and Mundgod taluks.

1.4 Demography

Uttara kannada district had a population of 1437169 out of which 726256 are males and 710913 are females. The average literacy rate is 84.06% higher than the state (75.36%) and national (59.5%) average. The average population density of the district is 140/sq km, which itself is lesser than state average but sex ratio is 979, which is higher than state average. On an average, there is acute shortage of manpower, especially in rural areas and more specifically in hilly taluks of the district. (Source census 2011) (Fig 1.2)

1	Total population	1437169
	Males	726256
	Females	710913
2	Scheduled castes	116431
	Males	57841
	Females	58590
3	Scheduled Tribes	34239
	Males	17095
	Females	17144
4	Cultivators total	111581
	Male	80891
	Female	30690
5	Agricultural Labors	116336
	Male	61302
	Female	55034

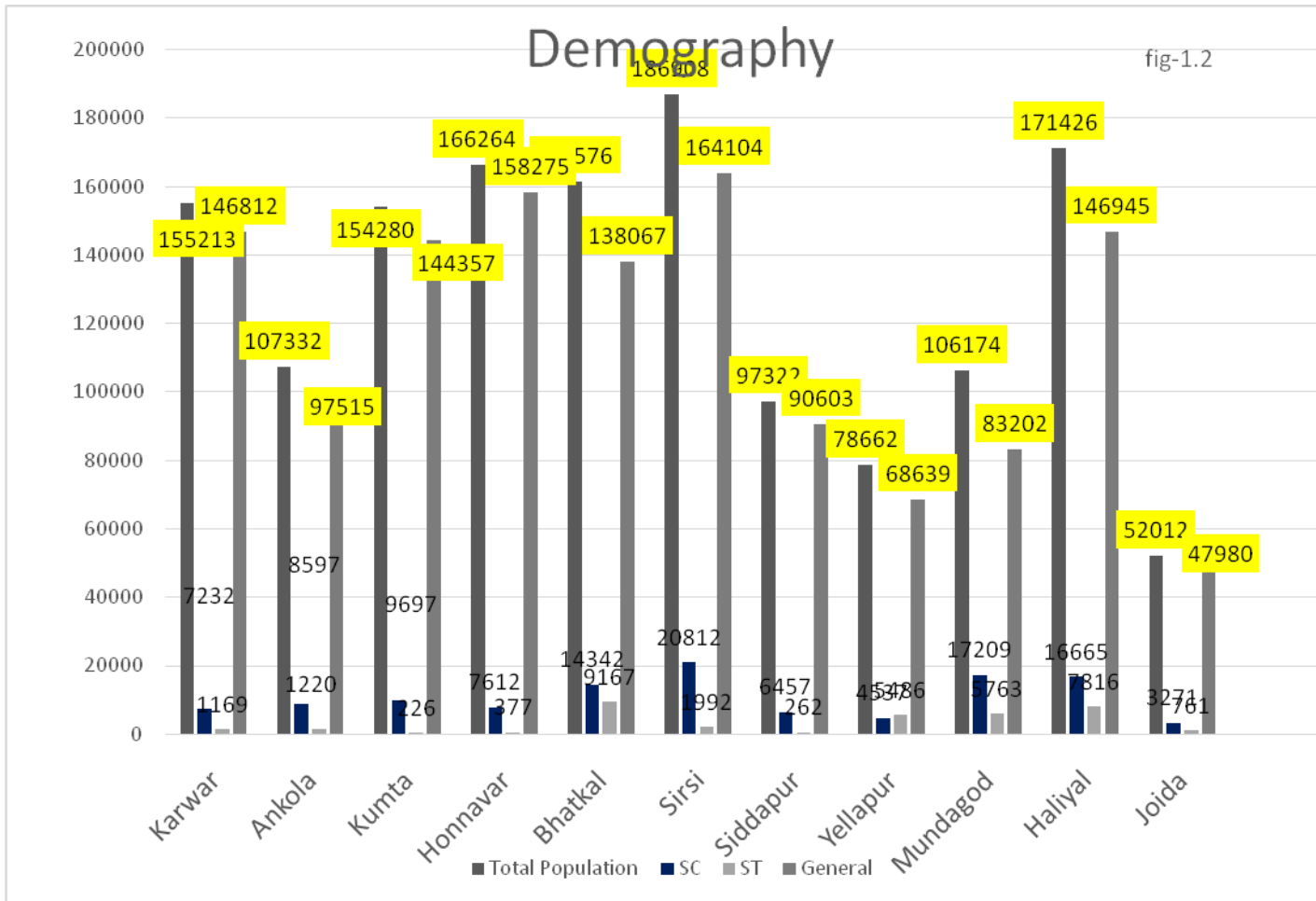


FIG-1.2 DEMOGRAPHY

1.5. Biomass and livestock:

Water plays an important role in livestock productivity. Livestock productivity in pastoral areas depends greatly on the 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 modelling 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. Total number of small animals in the district are 203628 and large animals are 260903. Total milk production in the district is 172020Ltr per day. Uttarakannada district has a total of 813595ha of forest cover which accounts 79.4% of the total geographical area.

table-1.5 Biomass and Livestock

Sl. No.	Taluk	Small Animals				Goats(Nos.)	Sheeps(No.s)	Indigenous Cow(No.s)	Habrid Cow(No.s)	Large Animals		
		Poultry(No.)	Ducks(No.s)	Pigs(No.s)	In descriptive Buffalo (No.s)					Hybrid Buffaloes (No.s)	Any other Milch or Meat Animal(No.s)	Draft Animal (Buffalo/Yak/Bulls/any other(NO.s)
1	Karwar	45620	8	233	108	12	12357	125	6423	0	0	138
2	Ankola	63561	2	0	25	0	24349	1645	5106	0	0	156
3	Kumta	61050	0	5	48	2	31913	2386	3578	0	0	174
4	Honnavar	59228	0	214	51	40	38092	2803	4982	0	0	294
5	Bhatkal	38126	2	283	198	97	19337	868	4295	0	0	55
6	Sirsi	86785	6	196	2224	1091	33598	16834	12478	0	0	599
7	Siddapur	29304	5	0	120	488	32127	8819	15048	0	0	589
8	Yellapur	46414	0	0	182	59	21320	8715	8505	0	0	92
9	Mundagod	23028	6	117	2864	2108	27358	2821	6553	0	0	232
10	Haliyal	28757	0	443	2632	474	31821	2001	14778	0	0	85
11	Joida	55164	0	0	509	412	17516	150	6070	0	0	127
Total		537037	29	1491	8961	4783	289788	47167	87816	0	0	2541

Source: Livestock Census of India

1.6 Agro Ecology, Climate, Hydrology and Topography:

Uttara Kannada is well known for its varied geographical features. Most of its area is hilly region and western part is coastal plain, all along 140 Km coast. The altitude varies from sea level in Bhatkal, Honnavar, Kumta, Ankola and Karwar taluks to 590m in Sirsi taluk.

The main geographic feature of the district is the Western Ghats or Sahyadri range, which runs from north to south through the district. Between the Sahyadris and the sea is a narrow coastal strip, known as the Payanghat, which varies from 8 to 24 kilometres in width. Behind the coastal plain are flat-topped hills from 60 to 100 meters in height, and behind the hills are the ridges and peaks of the Sahyadris. East of the Sahyadris is the Balaghat upland, part of the vast Deccan plateau. Moisture-bearing winds come from the west, and yearly rainfall averages 3,000 millimetres (120 inches) on the coast, and as high as 5,000 millimetres (200 inches) on the west-facing slopes of the Sahyadris. East of the crest is the rain shadow of the Sahyadris, which receive as little as 1,000 millimetres (39 inches) annually. Much of the rain falls in the June–September month. The important rivers flowing in the district are Kali river (Karwar,Supa(Joida) Taluk), Gangavali/Bedti river (Ankola, Yellapur Taluk), Aghanashini river (Kumta,Siddapur, Sirsi Taluk), Sharavati river (Honnavar Taluk), Venkatapur river (Bhatkal Taluk), Varada river (Sirsi Taluk),.The depth of these rivers ranges from 9' to 10' and the riverbank height is about 12' to 15'.These rivers form numerous waterfalls, the most famous of which is Jog falls, on upper reaches of the Sharavati in neighbouring Shivamogga district.

The area under forests is relatively higher in the taluks of Sirsi (1.03 lakh ha), Supa(1.66 lakh ha) and Yellapur (1.17 lakh ha) and lower in coastal taluks of Bhatkal (25433 ha) and Kumta (6331 ha) taluks. Even other taluks have substantial forest area. The geographical area of different taluks is proportional to forest area in each taluk. Smallest taluk of Bhatkal (35,500 ha), and geographically biggest taluk is Supa (1.91 lakh ha) are found respectively lowest and highest altitude in the district.

The forest area is 813595 ha out of geographical area of 1024679 ha in the whole of district. This accounts to 79.4%, one of the highest in the state. Net sown area is also compressed to 111538 ha (10.9%), one of the lowest in the state. All other categories of land use like fallows, cultivable wastes, pastures and other non-agricultural land are relatively too lesser than these two groups. The population has increased over years in all taluks, while the cultivable area is limited resulting in extreme pressure on cultivable land. This has resulted in either shifting of rural population to cities in search of jobs or illegal occupation of forest area for cultivation. Net sown area is maximum in Haliyal taluk (20040) followed by Sirsi taluk (17392 ha), Mundgod(14495) and Siddapur (11058). Other coastal taluks Ankola (7652ha), Bhatkal (5639), Karwar (3618) Kumta (8488) have relatively lesser net cultivated area. It is ironical that net cultivated area is higher in taluks with low population density and lower in taluks with higher population density, which explains clearly the acute shortage of labour in agricultural lands.

The district of Uttara Kannada is covered by two agro climatic zone namely, hilly zone (zone 9) and coastal zone (zone 10). Zone 9, comprising of Sirsi, Siddapur, Haliyal, Yellapur, Mundgod and Supa taluks, is characterised by single peak heavy rainfall (May to September), often to the extent of 1555 - 2835 mm annually as well as lateritic acid soils. The coastal taluks of Kumta, Bhatkal, Karwar, Honnavar and Ankola taluks are covered by Zone 10, characterised by single peak very heavy rainfall (May to September) often to the extent of 3220-4235mm as well as acidic coastal sandy soils. The whole of agriculture and horticulture is carried out in such high rainfall situations.

TABLE-1.6: AGRO ECOLOGY, CLIMATE, HYDROLOGY AND TOPOGRAPHY

1.6 Agro Ecology, Climate, Hydrology and Topography															Source: IMD, regional ICAR centre(s), SAUs, KVKs etc								
Sl.No.	Agro Ecological Zone Type	Type of Terrain	Block Area (ha)	Normal Annual Rainfall (mm)	Average Monthly Rain Fall (mm) 2015-16 (Jan to Dec)	No. of Rainy days (No.)	Maximum Rainfall Intensity (mm)			Average Weekly Temperature (*C)									Potential Evapo-Transpiration (PET)		Elevation		
							Upto 15 Min	Beyond 15 but upto 30 Min	Beyond 30 but upto 60 Min	Period									Period			Cumulative Total	
										Summer (Apr-May)			Winter (Oct-Mar)			Rainy (June-Sept)			Summer	Winter			Rainy Season
										Min	Max	Mean	Min	Max	Mean	Min	Max	Mean					
	Zone-9, Zone-10	Coastal plain and Westrngthat	1024679	2896.98	1.93	110	150m m/hr	100 mm/hr	75 mm/hr	24.26	33.97	-	23.77	33.1	-	22.87	31.1	-	36.63	28.5	29.76	94.89	300-800
					0																		
					27.77																		
					16.85																		
					98.03																		
					683.55																		
					561.91																		
					444.45																		
					261.65																		
					95.4																		
					43.87																		

1.7 Land use pattern in utara kannada district

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. Land use is a function of four variables, land, water, air and man. Each factor plays its own role. Land like a body of human being, 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. The land use shifts from agricultural uses to residential, industrial, transportation, neighbourhood retail and service activities due to urbanization. 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 intense and focused study of the details of land use puts us in a position to conserve the important elements of the nature. The gross cultivated area of the district is 122827 ha, indicating that only around 11289 ha out of net cultivated area is occupied by more than one+ crops. The intensity of cropping is relatively higher in Kumta(115%), Ankola (114.8%), Bhatkal (117.7%), Honnavar (117.13%) and Siddapur taluks (111.57%), while in all other taluks, it is ranging between 104-112%. As compared to plains. Hilly district of Uttara Kannada has relatively lesser cropping intensity, as most of land is occupied by perennial crops, where double cropping is hardly possible. Only in paddy fallows, second crop is taken in some regions. (Table1-7)

Forest area in the district is about 8 lakh ha. (80 % of the total geographical area). Percentage forest cover of the total geographical area is high in Joida(86.8%) and Less in Bhatkal (79.2%) taluk. Currently, there is considerably a large area (48766 ha) of waste land which can be brought back under cultivation.

Table.1.7 Land use pattern in uttarakannada district (ha)

Sl. No.	Taluk	Geographical area	Forest area	Land under non-agri. Use	Cultivable waste	Permanent pastures	Land under miscellaneous tree crops and groves	Current fallow	Other fallows	Net sown area	Gross cropped area	Cropping intensity (%)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Ankola	91872	75374	3785	1006	1382	552	740	1381	7652	8789	114.85
2	Bhatkal	34892	25433	1540	173	1130	702	120	155	5639	6637	117.70
3	Haliyal	84745	57819	3934	290	344	249	618	1451	20040	21289	106.23
4	Honnavar	75480	57632	5084	480	1432	1075	400	265	9112	10673	117.13
5	Karwar	73210	55104	4896	110	19	230	2140	7093	3618	3841	106.16
6	Kumta	58331	39641	5340	763	2075	0	890	1133	8488	9763	115.02
7	Mundagod	66809	48333	1800	1120	0	376	222	465	14495	15356	105.93
8	Siddapur	85928	68130	2201	50	3584	143	349	413	11058	12338	111.57
9	Sirsi	132233	103270	4534	646	5546	711	43	101	17382	19453	111.91
10	Supa (Joida)	191069	165873	15449	1043	420	337	764	1424	5759	6037	101.82
11	Yellapur	130110	116986	2218	769	693	431	253	465	8295	8651	104.29
Total		1024679	813595	50781	6450	16625	4806	6539	14346	111538	122827	110.12

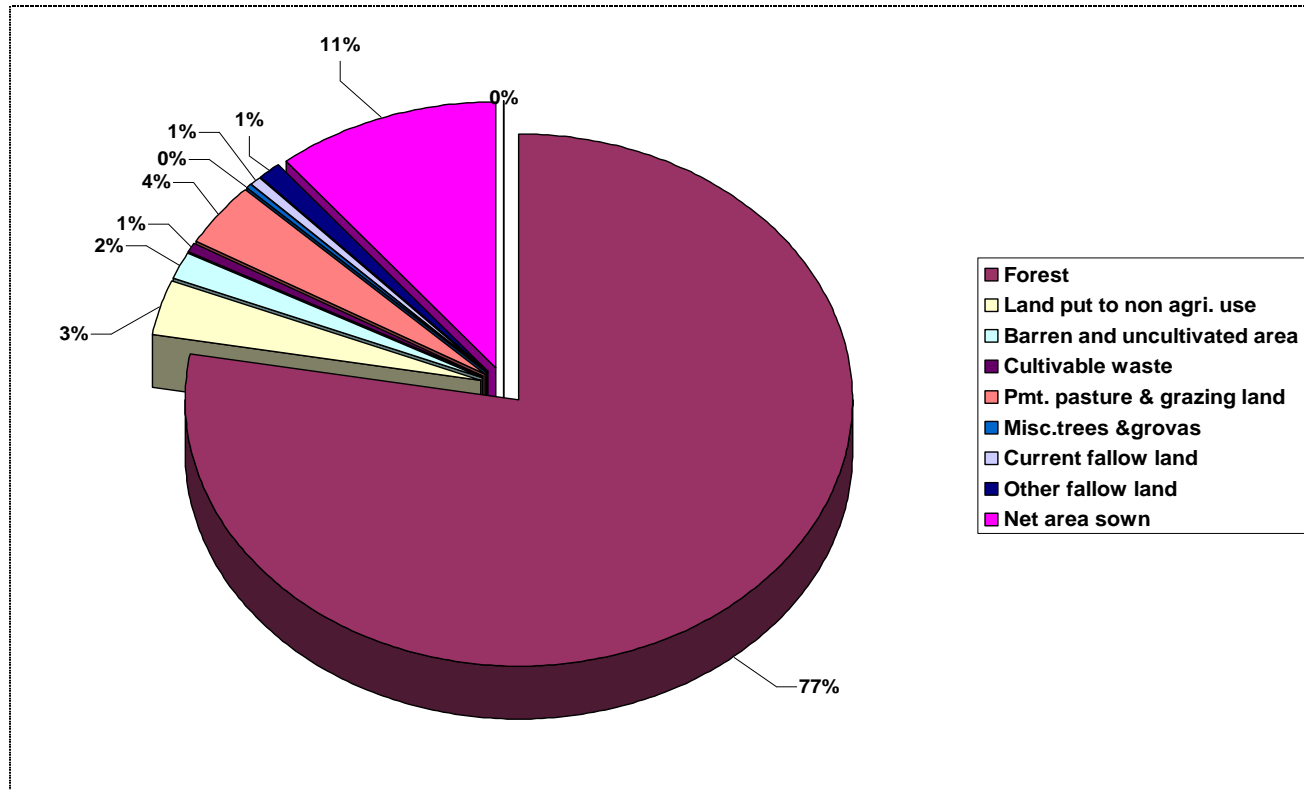


Fig:1.3LAND UTILIZATION

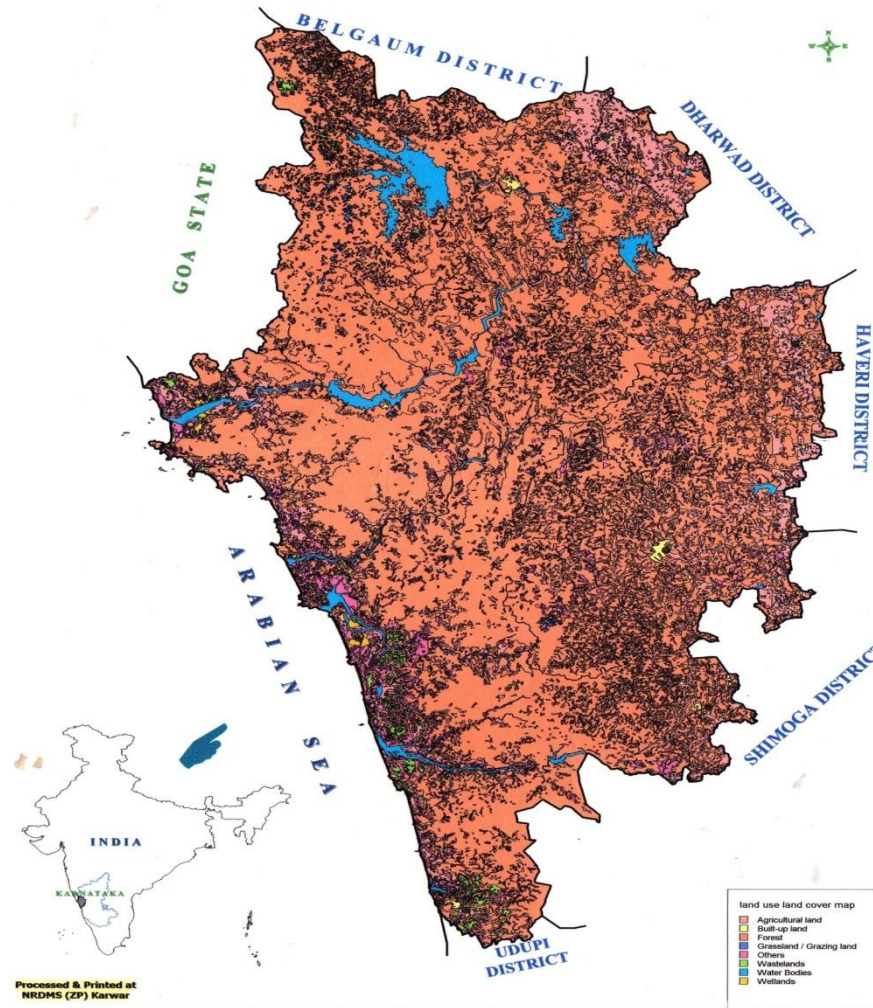


Fig 1.4 Uttarakanda district land cover Map

1.8 Soil Profile

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 weathering, the particles become ground smaller and smaller. As a whole, soil is made up from four constituents: mineral material, organic material, air and water. 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, farming 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.

Uttarakannada district is covered with three types of soils

- (i) Coastal alluvial
- (ii) Laterite
- (iii) Red lateritic soil.

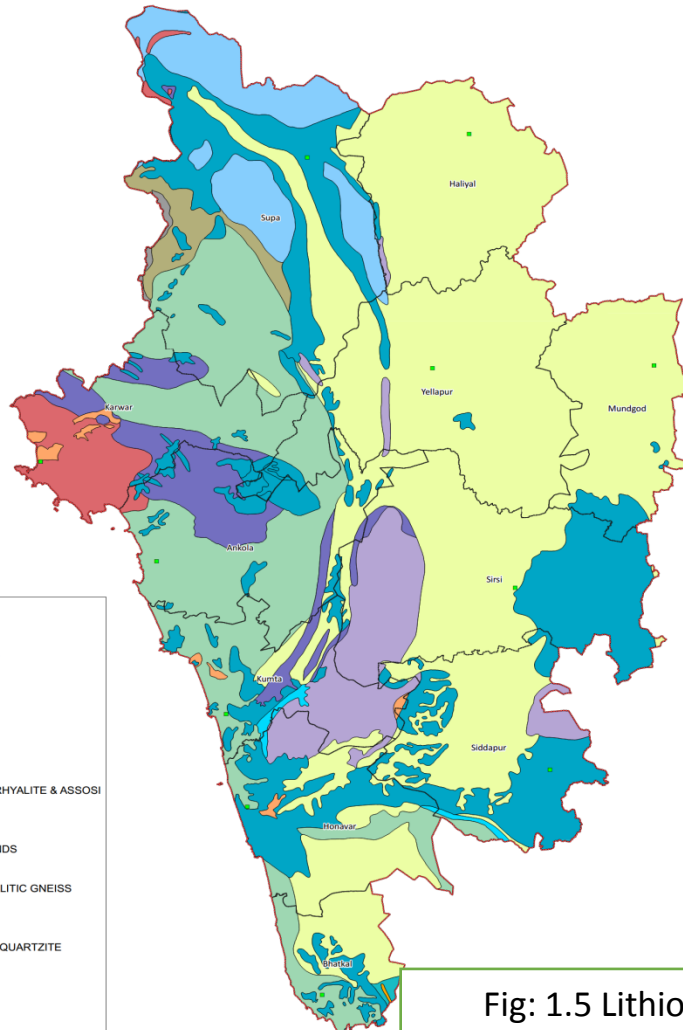
Soils of coastal zones are coastal alluvial, Laterite and red lateritic. Soils of hilly zone are Laterite and red lateritic also. In eastern parts of Mundgod and Haliyaltaluks have medium black soils. pH of the district is generally acidic in nature. Soils are rich in organic carbon, low in available phosphorus and medium in available potash. Zinc is deficient.

Most part of the district is rugged terrain and demarcates areas with slopes of less than 3%, 3 to 8%, 8-25% and more than 25%. About 44% of the district falls under 8 to 25% slope (Table 1.8)

Lithology Map of Uttara Kannada District



1:221,000



- Legend**
- Taluk/District HQ
 - ALLUVIUM / BEACH SAND, ALLUVIAL SOIL
 - GRANITE
 - GRANODIORITE AND GRANITE
 - GREYWACKE / ARGILLITE
 - LATERITE
 - LIMESTONE AND DOLOMITE
 - LOWER -META GREYWACKE
 - META BASALT THIN SUBORDINATE METARHYALITE & ASSOCI
 - META GREY WAKE ARGILLITE
 - METABASALT
 - METABASALT WITH FERROGENIOUS BANDS
 - METABASALT & TUFF
 - MIGMATITES AND GRANODIORITE - TONALITIC GNEISS
 - PINK & GREY GRANITE
 - PINK GRANULITE
 - QUARTZ CHLORITE SCHIST WITH ORTHOQUARTZITE
 - QUARTZITE / QUARTZ-SERICITE SCHIST
 - RED PHYLLITE
 - ULTRAMAFIC-MAFIC COMPLEX
 - Taluk Boundary
 - District Boundary

Fig: 1.5 Lithology Map



Soil Map of UttaraKannada District

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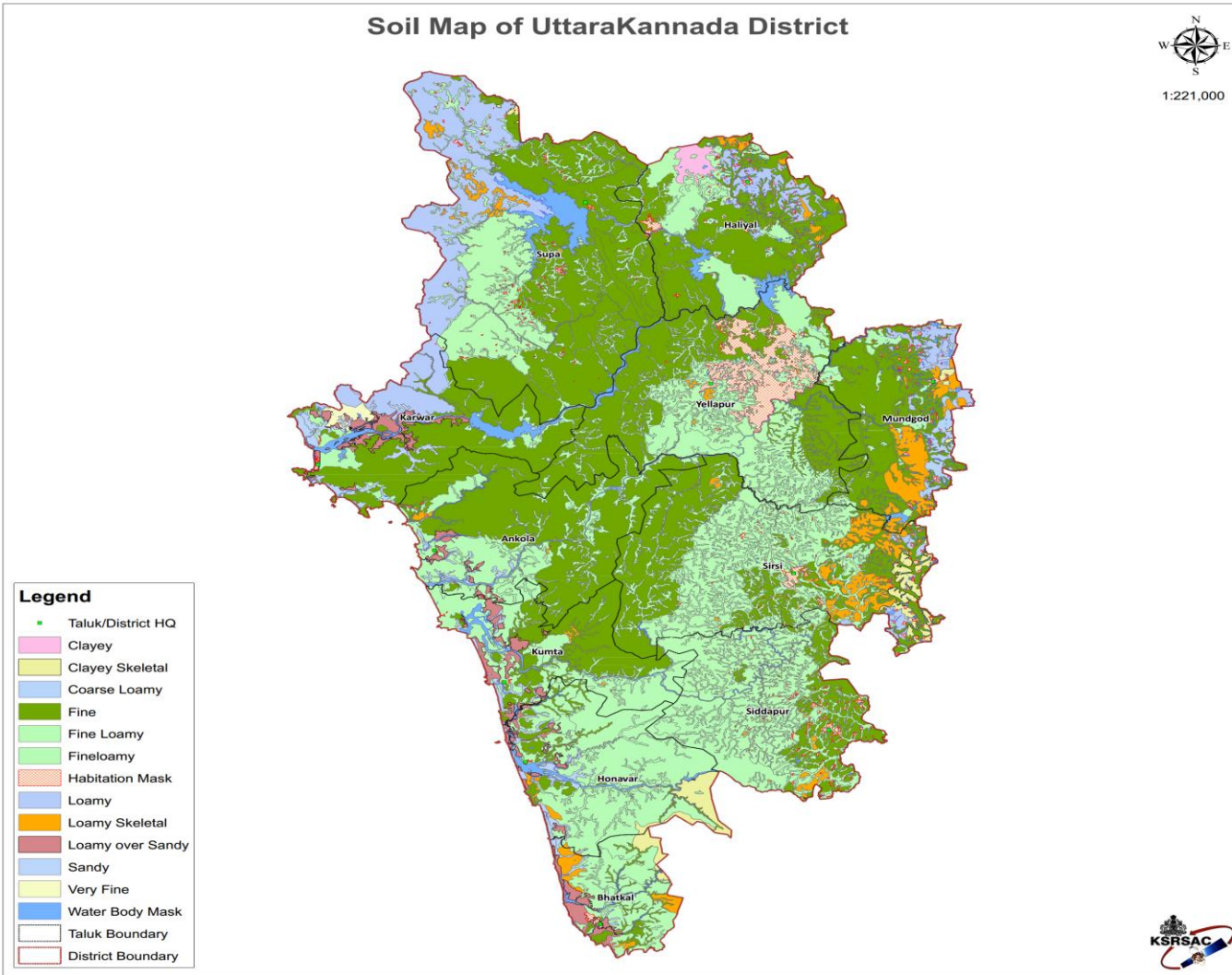
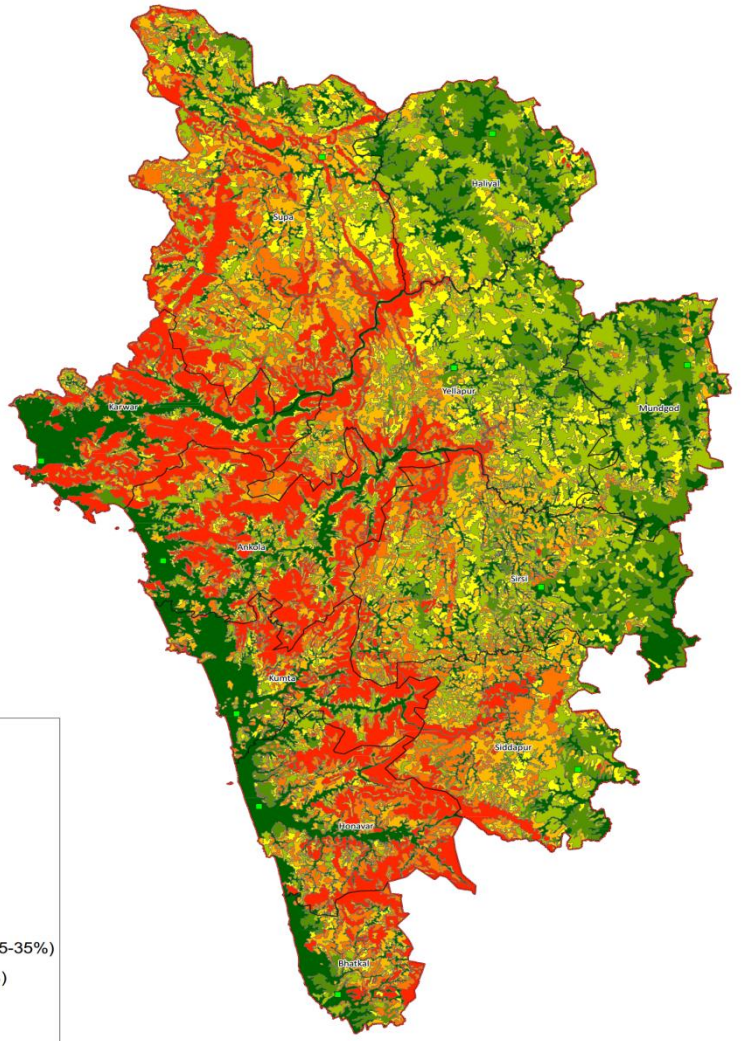
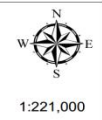


Fig: 1.6 SOIL MAP

1.8 Soil profile

	Source Type		Land Slope				
		Major Soil Classes	Area(ha)	0-3%(ha)	3-8%(ha)	8-25%(ha)	>25%(ha)
1	Karwar	coastal alluvial Lateritic, and Red Laterite	73210	9150	25184	34480	4396
2	Ankola		91872	11484	31600	43271	5517
3	Kumta		58331	7295	20065	27475	3496
4	Honnavar		75480	9435	25965	35550	4530
5	Bhatkal		34892	4562	12002	16430	2098
6	Sirsi		132233	16530	45488	6282	7933
7	Siddapur		85928	10741	29560	40470	5157
8	Yellapur		130110	16264	44756	61280	7810
9	Mundagod		66809	8352	22980	31468	4009
10	Haliyal		84745	10595	29154	39915	5081
11	Joida		191069	23884	65725	89994	11466
	Total		1024679	128292	352479	426615	61493

Slope Map of Uttara Kannada District



Legend

- Taluk/District HQ
- Nearly Level (0-1%)
- Very Gentle Slope (1-3%)
- Gentle Slope (3-5%)
- Moderate Slope (5-10%)
- Strong Slope (10-15%)
- Moderately Steep Slope (15-35%)
- Very steep slope (35 - 50%)
- Taluk Boundary
- District Boundary



Fig: 1.7 SLOPE MAP

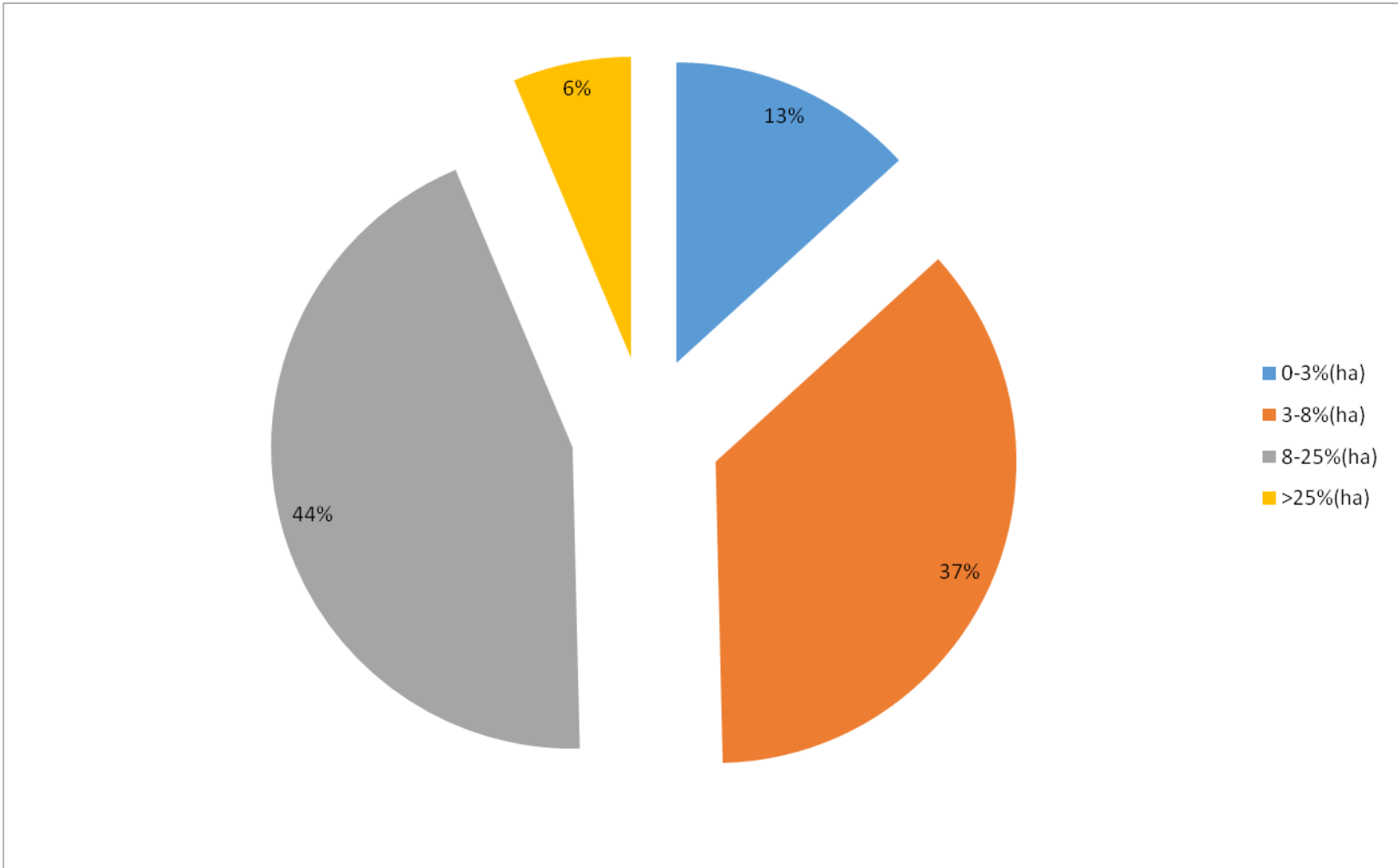


Fig: 1.8 SLOPE GRAPH

1.9 Soil Erosion and Run Off status

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, salinization, and soil acidity problems are other serious factors 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

Table 1.9: Soil Erosion and Run Off status

Name of the Micro Watershed	Name of the Sediment Monitoring Station	Longitude	Latitude	Soil Erosion (Tone/Ha)	Runoff						Drought Frequency
					Peak Rate (cum /hr)	Frequency of Peak (No. in Months)	Total Runoff Volume of Rainy Season (ha-m)	Time of return of Maximum flood			
								5 years	10 years	In years	
Kunjali 4D4A8LIA	Kunjali	14 ⁰ 22 ¹ 586"N	74 ⁰ 52 ¹ 52.5"E	0.55+1ha	-	-	-	-	-	-	-
	Kolasirsi G.P				-	-	-	-	-	-	

1.10 Rainfall

In general, great difference in climate is experienced between hilly and coastal taluks of the district. The coastal climate is characterised by high humidity throughout the year, associated with minimum fluctuation in temperatures across the seasons. The winters are milder and summers are not so severe, but relative humidity fluctuates little across the seasons. Hence, the evapo-transpiration will not vary drastically. But, in hilly taluks covered by zone -9, the temperatures can reach 38-39 o C during summer and drop down to 11 o C during winters. Similarly, in these taluks, the relative humidity may be reduced to 11 % during summer months, while in rainy season, it can reach even 90 %. The annual precipitation of the district is 2919 mm. However, the rainfall in taluks covered by zone-9 range between 1555 mm in Mundagod taluk to 2835 mm in Siddapur taluk. Mundagod and Haliyal taluks, adjoining to transitional zone zone-7) receive relatively lesser rainfall than other taluks. In general, coastal taluks receive higher annual rainfall than hilly taluks. Maximum annual rainfall of 4235 mm is received in Bhatkal taluk, while other coastal taluks receive the annual rainfall in the range of 3220 mm (Karwar taluk) to 3643mm (Honnavar taluk). Number of rainy days in the district vary from 90 days (Haliyal taluk) to 121 days (Bhatkal taluk).

Sl.No.	Taluk	Rainfall		Temperature		Humidity (%)	
		No. of rainy days	Average rainfall (mm)	Min. 0C	Max. 0C	Min	Max
1	2	3	4	5	6	7	8
1	Ankola	119	3508.9	11.9	38.5	11.3	90
2	Bhatkal	121	4235.4				
3	Haliyal	90	1873.1				
4	Honnavar	115	3643.5				
5	Karwar	115	3220.3				
6	Kumta	112	3552.4				
7	Mundagod	100	1555.0				
8	Siddapur	107	2835.1				
9	Sirsi	102	2379.1				
10	Supa (Joida)	119	2524.9				
11	Yellapur	107	2791.6				
Total		1207	2919.9				

Source: JDA,

GROUND WATER SCENARIO

1.11 Occurrence of Ground Water

Uttara Kannada district consists of rock formations of Archaean complex characterised by a system of ridges and a plateau on the west. Laterites occur overlying the schist and granites, and alluvial along the rivers and lagoons of the coast. Main aquifers in the study area are the weaker, weathered and fractured zones of metavolcanics, metasedimentaries, granites and gneisses, laterites, along with the alluvial patches found along the major stream courses. Since the hard rocks in the area do not possess the primary porosity, the secondary structures like joints, fissures and faults present in these formation act as a porous media. It is generally constitute a 3% of volume of formation to facilitate to house the ground water. The ground water under atmospheric influence is the phreatic zone, which generally occurs within the depth range of 3.00 to 30.00 mbgl .The fracture zones occur at various depth zones within the depth of 185.00mbgl are expected to be saturated with ground water. It is found that the water bearing characteristics of schistose rocks are more or less similar to that of gneisses and granites. But the weathered zones of schist's may not yield as granites and gneisses, because of their compact and fine-grained nature. Alluvium occurs along the river banks in few to 14.00 metros thickness, holds the bank storage. And occurs as narrow strip along the sea coast and the creeks occurs up to a depth of 50m. Ground water in the above aquifer material generally occurs under unconfined to semi-confined and confined conditions, in the shallower zones under phreatic condition and under semi-confined and confined condition in the deeper zones. The ground Water is being exploited from within the depth range of 3.00 to 31.00mbgl through dug wells and 30.00 to 200.00mbgl through dugcum-bore wells and Bore wells. The hydrogeological map depicting all Hydrogeological details of the area is presented as Figure- 1.10. The hilly tracks have thin weathered covers and the valley portions have thicker weathered zones.

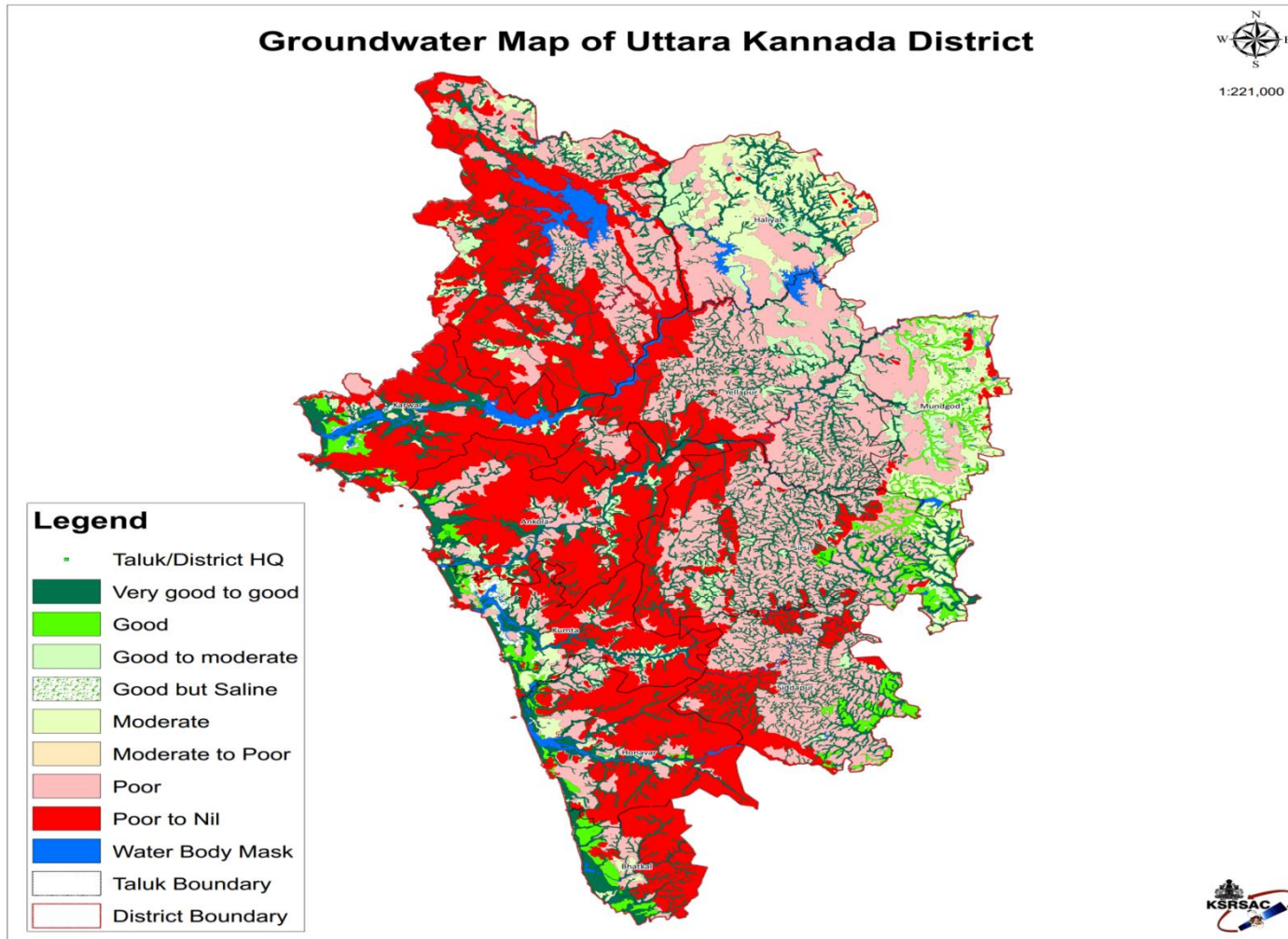


FIG -1.9: GROUND WATER MAP

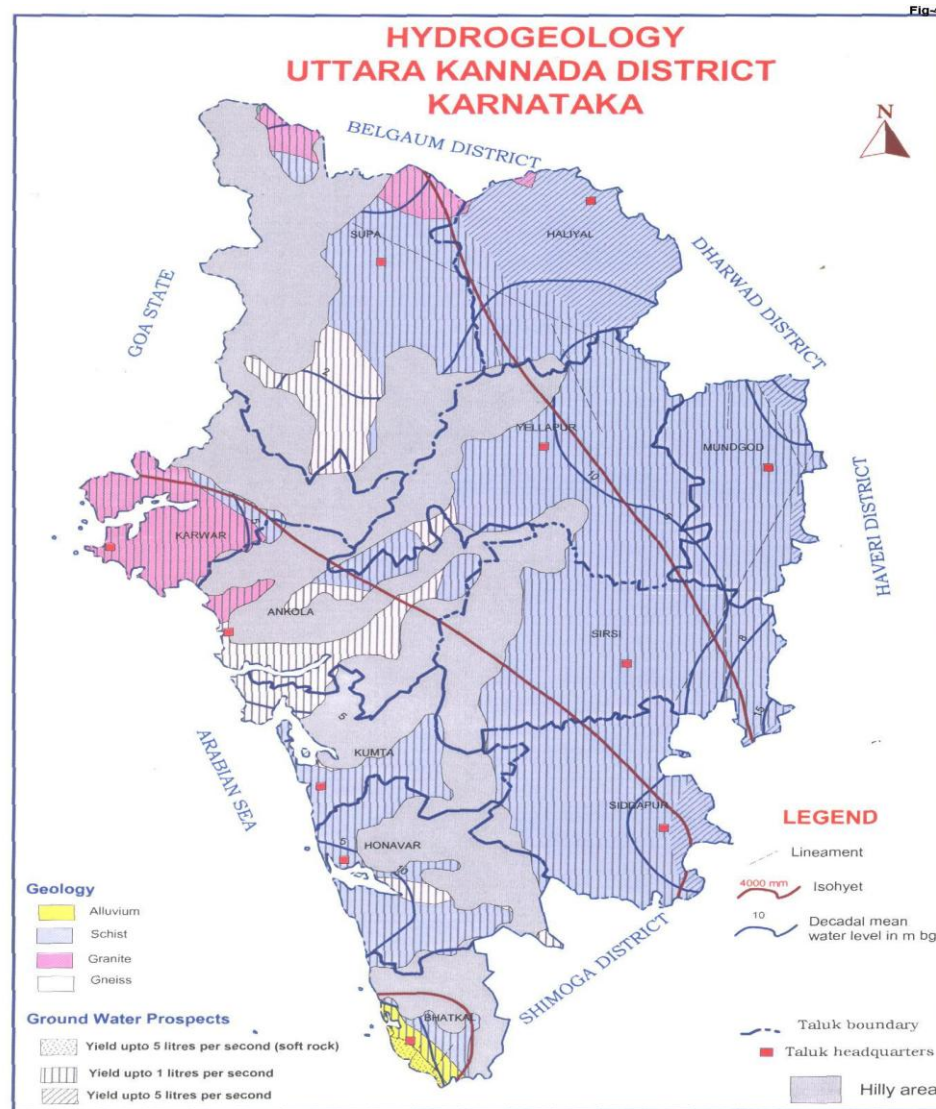


FIG-1.10: HYDROGEOLOGY

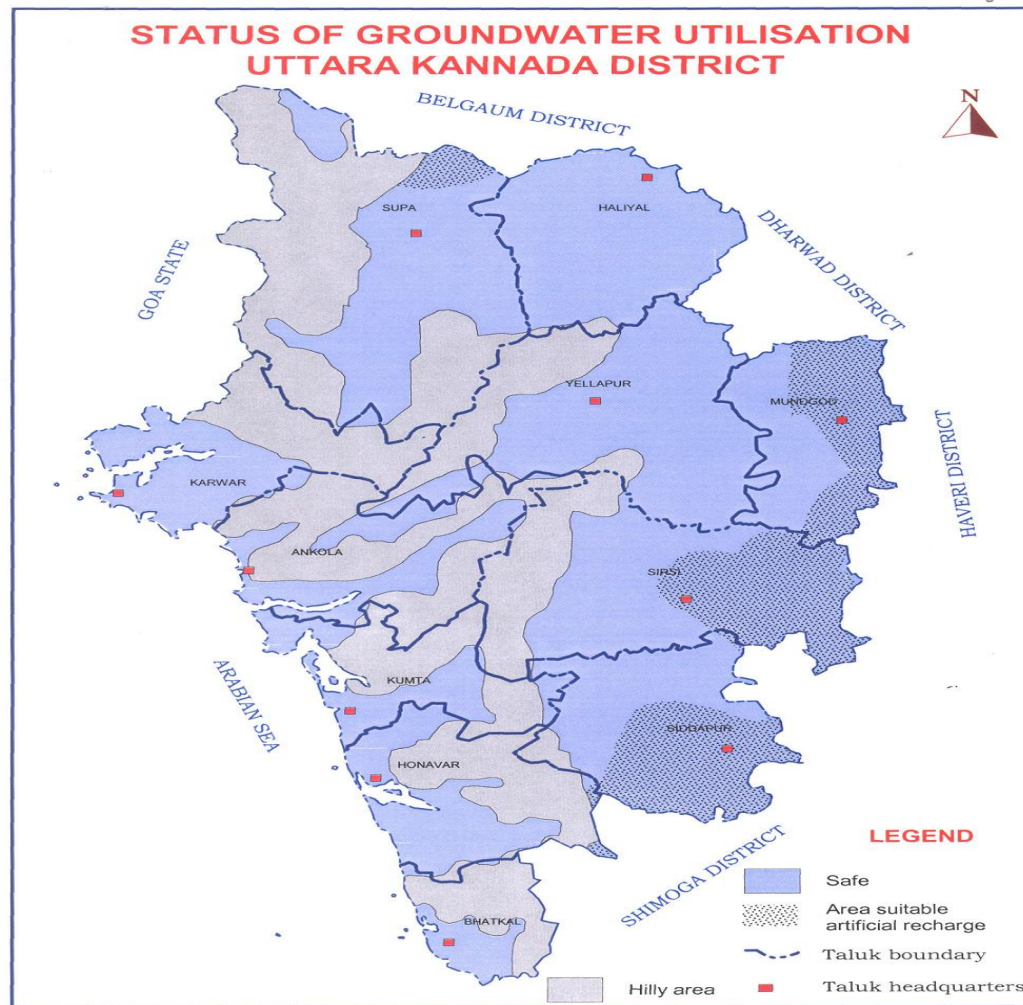


FIG-1.11 : STATUS OF GROUND WATER UTILISATION

Fig-5

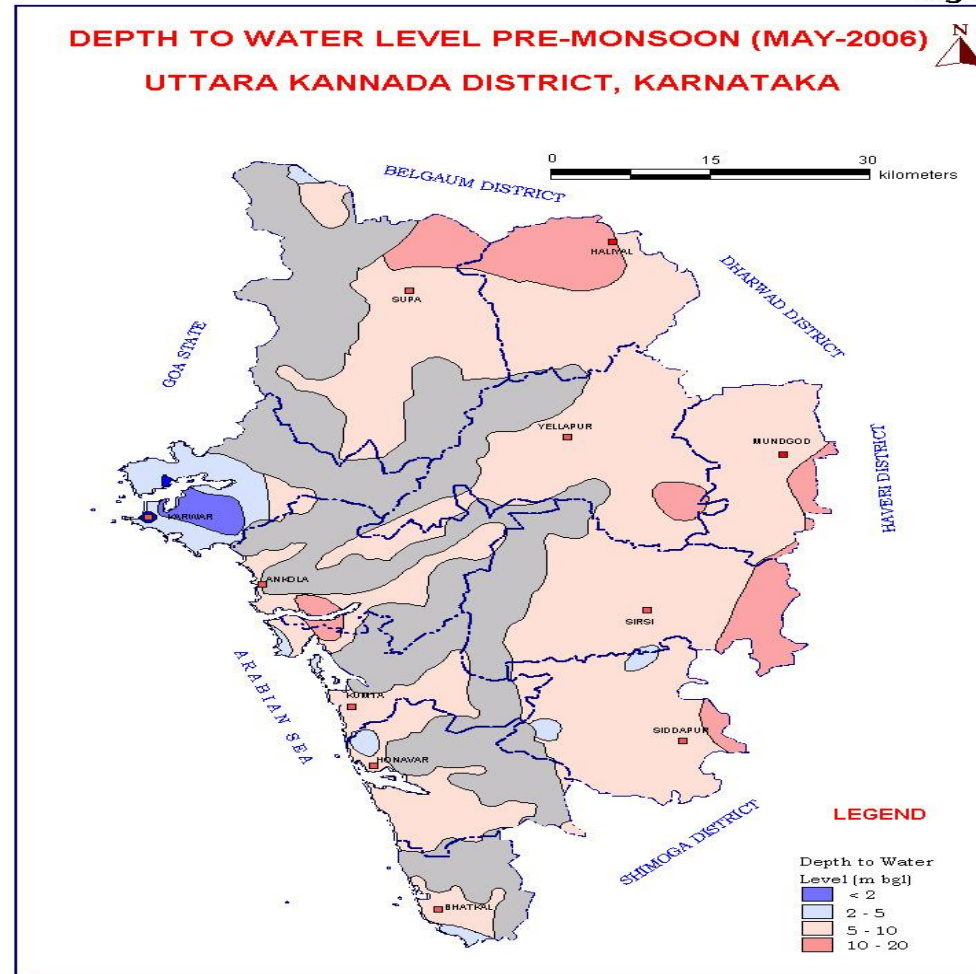


FIG-1.12 : DEPTH OF WATER LEVEL PRE MANSOON

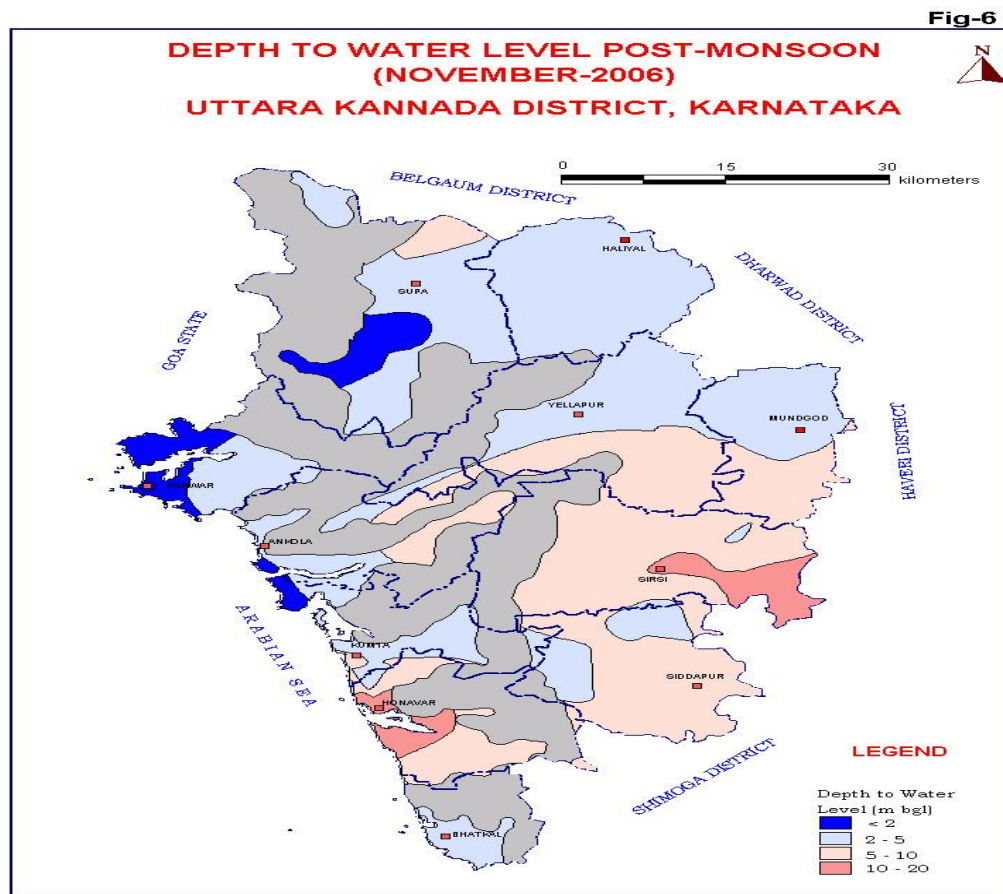


FIG-1.13 : DEPTH OF WATER LEVEL- POST MANSOON

CHAPTER-2

DISTRICT WATER PROFILE

In common words irrigation is the artificial application of water to the land or soil. It is used to assist in the growing of agricultural crops, maintenance of landscapes, and rejuvenation of vegetation in disturbed soils in dry areas and during the periods of inadequate rainfall. There is a great necessity of irrigation in Indian agriculture. India has 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 and is true with Karnataka also.

1. Uncertainty of Monsoon rainfall both in time and place.
2. Irregularity in **distribution** of rainfall throughout the year.
3. Excessive rainfall causing flood.
4. Draught is an annual event in some areas.
5. India is a land of Rabi Crops. But there is no rainfall in winter months.
6. Some soil need more water
7. Introduction of high yielding variety crops and multiple cropping need water throughout the year.

Types of irrigation mainly practiced Uttarakannada.

Traditional irrigation methods

1. Flood irrigation
2. Ridge and furrow
3. Furrow
4. Chuck and basin
5. Ring method etc.

Specialized methods of irrigations

1. Drip irrigation
2. Sprinkler irrigation

2.1 Area-wise, crop-wise Irrigation Status:

During kharif season paddy is grown in an area of 66800Ha under rainfed condition and if there is any shortfall of rainfall protective irrigation is given particularly in Haliyal, Mundgod and Banavasi hobli of Sirsi taluka. Maize is another major kharief crop of the district predominantly grown in transitional belt of Sirsi, Mundgod, Haliyal taluks under rain fed condition. Sugarcane is annual crop grown in almost all talukas under irrigated conditions through bore wells and open wells since sugarcane factory is located in Haliyal taluk so major area comes in Haliyal taluka and in other talukas sugarcane is grown only for domestic purposes. Cotton is another kharif crop grown in transitional belt of Yellapur, Mundgod and Haliyal talukas.

During rabi season pulses and oilseeds are also grown on paddy fallows by using residual moisture and if any scarcity found protective irrigation is given particularly to groundnut.

The major Horticultural crops are coconut and arecanut, Coconut in coastal talukas and arecanut in malenadu talukas and spices like black pepper, cardamom, and coco are taken in arecanut plantation as inter crop. Fruit crops like Mango, Banana and Pineapple are also grown in the district in substantial area.

2.1 Area-wise, crop-wise Irrigation Status Source: Department of Agriculture, Agriculture Statistics of State, Agrist													Horticulture & Planatation Crops(Area in ha)			
Crop type	Kharif (Area in ha)			Rabi (Area in ha)			Summer crop(Area in ha)			Total(Area in ha)						
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	
A) Cereals																
Paddy																
Karwar	0	2200	2200	25	0	25	100	0	100	125		2200	2325	1558	0	1558
Ankola	0	5200	5200	209	0	209	0	0	0	209		5200	5409	2270	0	2270
Kumta	0	5000	5000	500	0	500	0	0	0	500		5000	5500	4026	0	4026
Honnavar	0	3500	3500	600	0	600	0	0	0	600		3500	4100	5797	0	5797
Bhatkal	0	3900	3900	450	0	450	0	0	0	450		3900	4350	2059	0	2059
Sirsi	0	9200	9200	50	0	50	150	0	150	200		9200	9400	9103	0	9103
Siddapur	0	6200	6200	0	0	0	300	0	300	300		6200	6500	5601	0	5601
Yellapur	0	4500	4500	20	0	20	0	0	0	20		4500	4520	4176	0	4176
Mundagod	0	11000	11000	100	0	100	250	0	250	350		11000	11350	2627	0	2627
Haliyal	0	11100	11100	10	0	10	0	0	0	10		11100	11110	864	0	864
Joida	0	5000	5000	0	0	0	25	0	25	25		5000	5025	997	0	997
Total	0	66800	66800	1964	0	1964	825	0	825	2789		66800	69589	39078		39078
Maize																
Sirsi	0	200	200	25	0	25	0	0	0	25		200	225	0	0	0
Mundagod	0	2300	2300	150	0	150	0	0	0	150		2300	2450	0	0	0
Haliyal	0	3050	3050	100	0	100	0	0	0	100		3050	3150	0	0	0
Sugarcane																
Karwar	0	10	10	0	0	0	0	0	0	0		0	0	0	0	0
Ankola	0	40	40	0	0	0	0	0	0	0		0	0	0	0	0
Kumta	0	100	100	0	0	0	0	0	0	0		0	0	0	0	0
Honnavar	0	35	35	0	0	0	0	0	0	0		0	0	0	0	0
Bhatkal	0	20	20	0	0	0	0	0	0	0		0	0	0	0	0
Sirsi	0	140	140	0	0	0	0	0	0	0		0	0	0	0	0
Siddapur	0	50	50	0	0	0	0	0	0	0		0	0	0	0	0

Yellapur	0	110	110	0	0	0	0	0	0	0	0	0	0	0	0
Mundagod	0	220	220	0	0	0	0	0	0	0	0	0	0	0	0
Haliyal	0	5000	5000	0	0	0	0	0	0	0	0	0	0	0	0
Joida	0	160	160	0	0	0	0	0	0	0	0	0	0	0	0
C) Oil Seeds															
Cotton (Bt)															
Yellapur	0	450	450	0	0	0	0	0	0	0	0	0	0	0	0
Mundagod	0	500	500	0	0	0	0	0	0	0	0	0	0	0	0
Haliyal	0	350	350	0	0	0	0	0	0	0	0	0	0	0	0
D) Pulses															
Blackgram,Cowpea, horsegram															
Karwar	0	0	0	0	5	5	0	0	0	0	5	5	0	0	0
Ankola	0	0	0	0	50	50	0	0	0	0	50	50	0	0	0
Kumta	0	0	0	0	15	15	0	0	0	0	15	15	0	0	0
Honnavar	0	0	0	0	5	5	0	0	0	0	5	5	0	0	0
Bhatkal	0	0	0	0	25	25	0	0	0	0	25	25	0	0	0
Sirsi	0	0	0	0	0	0	0	250	250	0	250	250	0	0	0
Siddapur	0	0	0	0	0	0	0	75	75	0	75	75	0	0	0
Yellapur	0	0	0	0	0	0	0	20	20	0	20	20	0	0	0
Mundagod	0	0	0	0	40	40	0	100	100	0	140	140	0	0	0
Haliyal	0	0	0	0	600	600	0	0	0	0	600	600	0	0	0
Joida	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Groundnut															
Karwar	0	25	25	0	0	0	0	0	0	0	0	0	0	0	0
Ankola	0	675	675	0	0	0	0	0	0	0	0	0	0	0	0
Kumta	0	490	490	0	0	0	0	0	0	0	0	0	0	0	0
Honnavar	0	225	225	0	0	0	0	0	0	0	0	0	0	0	0
Bhatkal	0	530	530	0	0	0	0	0	0	0	0	0	0	0	0
E) Fibre															
F) Any other crops..															

2.2 Production and Productivity of major Crops: Average yield of Rice in utttarakannada district is 3141kg /ha which is higher compare to state average of 3110 kg/ha. Average maize crop yield is 4183 kg/ha.higher than state average yield of 3337 kg/ha. Among horticulture crops areca and coconut are the major crops. There is scope to increase the area and productivity of agricultural and plantation crops through irrigation.

2.2 Production and Productivity of major Crops																				Source:DAP, Agriculture Statistic			
Seasona	Crop Sown							Rainfed															
	Cereals	Coarse cereals	Pulses	Oil Seeds	Fiber Crops	Other crops	Area (Ha.)	Production (qtn/yr.)				Productivity or Yield (Qtl./ha)					Cost of Cultivation (Rs./ha)						
A. Kharif	Paddy			Cotton		S.cane		Maize	cotton	S.cane (t)	Paddy		Maize	cotton	S.cane (tonn)	Paddy	Maize	cotton	S.cane				
Karwar	2200	0	0	0	0	10	2210	0	0		30.5		0	0	75	35900	0	0	84500				
Ankola	5200	0	0	0	0	40	5240	0	0		32.5		0	0	78	35900	0	0	84500				
Kumta	5000	0	0	0	0	100	5100	0	0		33.5		0	0	78.5	35900	0	0	84500				
Honnavar	3500	0	0	0	0	35	3535	0	0		32		0	0	78.5	35900	0	0	84500				
Bhatkal	3500	0	0	0	0	20	3520	0	0		32		0	0	80	35900	0	0	84500				
Sirsi	9200	0	0	0	0	140	9540	8000	0		31		40	0	80	35900	24900	0	84500				
Siddapur	6200	0	0	0	0	50	6250	0	0		34.5		0	0	82	35900	0	0	84500				
Yellapur	4500	0	0	450	0	110	5060	0	9000		31		0	20	80	35900	0	26000	84500				
Mundagod	11000	0	0	500	0	220	14020	98900	10500		29.5		43	21	84	35900	24900	26000	84500				
Haliyal	11110	0	0	350	0	5000	19510	129625	7350		29		42.5	21	85	35900	24900	26000	84500				
Joida	5000	0	0	0	0	160	5160	0	0		30		0	0	83	35900	0	0	84500				
B. Rabi/Summer				G.nut				Pulses				Pulses											
Karwar	25	0	5	25		0		27.5	0		35	5.5	0	0	0	36000	0						
Ankola	209	0	50	675		0		275	0		38	5.5	0	0	0	36000	0						
Kumta	500	0	15	490		0		90	0		39	6	0	0	0	36000	0						
Honnavar	600	0	5	225		0		30	0		39	6	0	0	0	36000	0						
Bhatkal	450	0	25	530		0		150	0		36	6	0	0	0	36000	0						
Sirsi	200	0	0	0		0		0	1000		39.5	6	40	0	0	36000	24000						
Siddapur	300	0	0	0		0		0	0		37	6.5	0	0	0	36000	0						
Yellapur	20	0	0	0		0		0	0		36	6	0	0	0	36000	0						
Mundagod	400	0	40	0		0		280	6750		34	7	45	0	0	36000	24000						
Haliyal	10	0	600	0		0		4500	4500		34	7.5	45	0	0	36000	24000						
Joida	25	0	0	0		0		0	0		33	0	0	0	0	36000	0						

Total	69149	0	740	3245	0	5885	79145	5352.5	248775	26850		746	62	255.5	62	884	790900	146700	78000	929500
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2.3 Irrigation based Classification

In Uttara Kannada District total net irrigated area is only 32428 Ha and unirrigated area is 79110 Ha. There is much scope for bringing area under irrigation in the district.

TABLE -2.3 IRRIGATION BASED CLASSIFICATION.

2.3 Irrigation based Classification		Source:Agriuculture Statistics,Irrigation Statistics of CWC, Indian Statistic, Open Government Data platform			
Sl.No.	Taluk	Irrigated (Area in ha)		Rainfed (Area in ha)	
		Gross Irrigated Area	Net Irrigated Area	Partially Irrigated /Protective Irrigation	Un-Irrigated or Totally Rainfed or Totally Rainfed
1	Karwar	1128	1128	0	2490
2	Ankola	1478	1478	0	6174
3	Kumta	3338	3338	0	5150
4	Honnavar	5867	5859	0	3253
5	Bhatkal	1833	1833	0	3806
6	Sirsi	4543	4102	0	13280
7	Siddapur	1318	1285	0	9773
8	Yellapur	4400	3953	0	4342
9	Mundagod	3754	3222	0	11273
10	Haliyal	7554	5260	0	14780
11	Joida	970	970	0	4789
	Total	36183	32428	0	79110

CHAPTER-3

Water Availability

3.1 Status of Water Availability :

A total of 12.97571037 BCM of water is available in the district. Out of which 12.9728373 BCM is mainly harvested from minor irrigation tanks and lift irrigation. The other major contributors like open wells and tube wells

3.1 Status of Water Availability		Source: CWC, CGWB, District Irrigation and Agriculture office records				BCM
S.No	Sources	Kharif	Rabi	Summer	Total	
1	Surface Irrigation					
(i)	Canal (Major & Medium Irrigation)	-	-	-	0	
(ii)	Minor Irrigation tanks(including Hydroelectric projects)	8.443767	3.019179	0.0145	11.658333	
(iii)	Lift Irrigation/Diversion	1.31457	-	-	1.31457	
(iv)	Various Water Bodies including Rain Water Harvesting	-	-	-	0.000156	
(v)	Treated Effluent Received from STP	-	-	-	0.0000347	
(vi)	Untreated Effluent	-	-	-	0.0000030	
(vii)	Perennial sources of water				0	
2	Ground Water					
(i)	Open Well				0.11010	
(ii)	Deep Tube Well				0.07340	
(iii)	Medium Tube Well				0	
(iv)	Shallow Tube well				0	
TOTAL					12.97571037	

3.2 Status of Ground Water Availability: The ground water in the district is in safe condition as per Central Ground Water Board Notification. The total quantity of water drawn (Draft) is 0.18351BCM and recharge is 0.072931BCM per year in the District. The major draft (Use of ground water) is in Siddapur, Bhatkal, Haliyal and Sirsi.

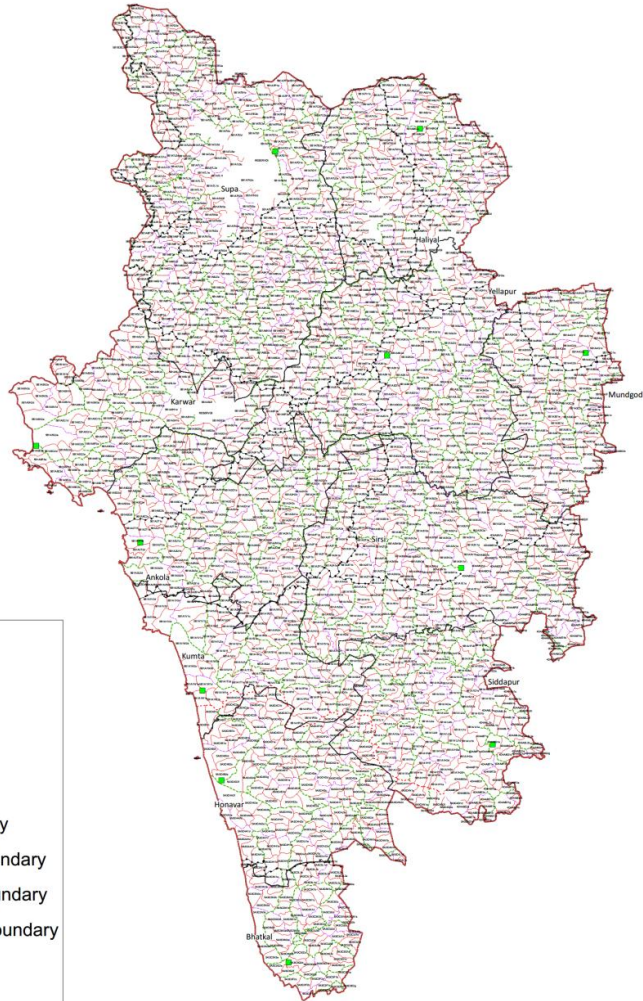
TABLE 3.2 Status of Ground Water Availability Source: CGWB

Sl no	Taluk	Recharge from rainfall during monsoon	Recharge from other sources during monsoon	Recharge from rainfall during non monsoon	Recharge from other sources during nonmonsoon	Total ground water availability	Total draft	Gap
1	Ankola	0.04683	0.00057	0.00468	0.0012	0.05328	0.00885	0.04443
2	Bhatkal	0.07804	0.00431	0.0079	0.00474	0.09499	0.02433	0.07066
3	Haliyal	0.01021	0.006	0.01039	0.00302	0.02962	0.01849	0.01113
4	Honnavar	0.03605	0.00062	0.00001	0.00132	0.038	0.00931	0.02869
5	Karwar	0.01506	0.00032	0.00149	0.0007	0.01757	0.00514	0.01243
6	Kumta	0.03997	0.00101	0.0006	0.00168	0.04326	0.01095	0.03231
7	Mundgod	0.04722	0.00502	0.0109	0.00262	0.06576	0.0143	0.05146
8	Siddapur	0.0664	0.00414	0.00098	0.0051	0.07662	0.03497	0.04165
9	Sirsi	0.08227	0.00679	0.009	0.00457	0.10263	0.03049	0.07214
10	Joida	0.09446	0.00119	0.00041	0.00245	0.09851	0.01496	0.08355
11	Yallapur	0.09257	0.00479	0.00974	0.00197	0.10907	0.01172	0.09735
	Total	0.60908	0.03476	0.0561	0.02937	0.72931	0.18351	0.5458

Watershed Map of Uttara Kannada District



1:221,000



- Legend**
- Taluk/District HQ
 - Region
 - Basin
 - Sub Catchment
 - Watershed boundary
 - Sub Watershed boundary
 - Mini Watershed boundary
 - Micro Watershed boundary
 - Taluk Boundary
 - District Boundary



FIG-3.1: WATERSHED MAP

3.3 Existing type of Irrigation:

There are 2371 tanks/ reservoir which are the main sources of irrigation in the district. Other source are openwells(8522), tubewells(518) and other sources(1577).

TABLE-3.4 :Existing type of Irrigation

3.4 Existing type of Irrigation														Source: NWDA, CGG					
Source of Irrigation	Taluk	surface Irrigation (1)					Ground Water (2)						Other Sources including Traditional WHS (3) VD	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 pump (5)	Others (6)	Irrigation sources (1+2+3)	Water extracting units (4+5+6)
		Govt. Canal	Community /Pvt. Canal	Community ponds including Small	individual/Pvt. Ponds	Gvt Reservoir/ Dams	Govt.	Pvt.	Community/Govt	Pvt.	Govt.	Pvt.							
No				Tanks															
1	Karwar	0	0	97		0			315			54		3603	35		466	3638	
2	Ankola	0	0	21		0			678			243		5032	110		942	5142	
3	Kumta	0	0	188		11			1752			72		8638	125		2023	8763	
4	Honnavar	0	0	893		35			1750			81		17458	76		2759	17534	
5	Bhatkal	0	0	132		0			862			193		5527	82		1187	5609	
6	Sirsi	0	0	172		214			2665			94		7435	118		3145	7553	
7	Siddapur	0	0	89		6			410			283		3947	125		788	4072	
8	Yellapur	0	0	248		8			43			254		3904	68		553	3972	
9	Mundagod	0	0	179		118			31			146		2635	78		474	2713	
10	Haliyal	0	0	352		126			0			29		4470	52		507	4522	
11	Joida	0	0	0		0			16			128		467	75		144	542	
	Total	0	0	2371		518			8522			1577		63116	944		12988	64060	

CHAPTER-4

Water Requirement/Demand:

Water is considered to be most important component for the survival of living being next to air. Water is required for multiple purpose such as agriculture, domestic, industrial use and Livestock. To make water available for various purposes, we have to know the requirement. This chapter focuses on present water demand and water demand by 2020 by various sectors in Uttarkannada district.

4.1 Domestic Water

The total population of Uttarakannada district is 1437169 and projected population by 2020 is 1525842. For 2020 the gross water demand is 0.139437BCM. The present water demand is 0.131142 BCM

4.1 Domestic water Demand Source: CWC, Department of Water Resources in Districts and Status Report

Taluks	Populatin in 2015	Projected Population in 2020	Present Water demand(BCM)	Gross Water Demand (BCM)
	1437169	1525842	0.131142	0.139233
Karwar	155213	162896	0.014163	0.014864
Sirsi	186908	199001	0.017055	0.018159
Bhatkal	161576	174809	0.014744	0.015951
Kumta	154280	163228	0.014078	0.014895
Ankola	107332	113439	0.009794	0.010351
Honnavar	166264	172416	0.015172	0.015733
Siddapur	97322	93896	0.008881	0.008568
Yellapur	78662	84192	0.007178	0.007683
Mundgod	106174	124234	0.009688	0.011336
Haliyal	171426	184660	0.015643	0.016850
supa(joida)	52012	55304	0.004746	0.005047
Total	1437169	1528076	0.131142	0.139437

4.2 Crop water requirement:

Important crops grown in Uttarakannada are paddy, Sugarcane, Maize, G.nut pulses, areca nut, coconut, banana, Mango, watermelon in the district total water potential required for paddy is **1.28022** BCM and the existing water potential is 0.05578 BCM, there is a need to create 1.22444 BCM of water potential for paddy. Water potential requires for maize is **0.0422** BCM and the existing water potential is **0.0022** BCM, there is need to create 0.04 BCM of water potential. There is no need to create water potential for other crops.

TABLE : -4.2 CROP WATER REQUIRMENT

Block	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)
					Rainfed	Irrigated		
Karwar	Paddy	2200	125	2000	0.0440	0.0025	0.0025	0.0415
Ankola		5200	209	2000	0.1040	0.0042	0.0042	0.0998
Kumta		5000	500	2000	0.1000	0.0100	0.0100	0.0900
Honnavar		3500	600	2000	0.0700	0.0120	0.0120	0.0580
Bhatkal		3900	450	2000	0.0780	0.0090	0.0090	0.0690
Sirsi		9200	200	2000	0.1840	0.0040	0.0040	0.1800
Siddapur		6200	300	2000	0.1240	0.0060	0.0060	0.1180
Yellapur		4500	20	2000	0.0900	0.0004	0.0004	0.0896
Mundagod		11000	350	2000	0.2200	0.0070	0.0070	0.2130
Haliyal		11100	10	2000	0.2220	0.0002	0.0002	0.2218
Joida		5000	25	2000	0.1000	0.0005	0.0005	0.0995
Total					1.3360	0.0558	0.0558	1.2802
Karwar	Maize							

Ankola								
Kumta								
Honnavar								
Bhatkal								
Sirsi		200	25	800	0.0016	0.0002	0.0002	0.0014
Siddapur					0.0000	0.0000		
Yellapur					0.0000	0.0000		
Mundagod		2300	150	800	0.0184	0.0012	0.0012	0.0172
Haliyal		3050	100	800	0.0244	0.0008	0.0008	0.0236
joida						0.0000		
Total					0.0444	0.0000	0.0022	0.0422
Karwar		25	25	600	0.0002	0.0002	0.0002	0.0000
Ankola	Groundnut	675	675	600	0.0041	0.0041	0.0041	0.0000
Kumta		490	490	600	0.0029	0.0029	0.0029	0.0000
Honnavar		225	225	600	0.0014	0.0014	0.0014	0.0000
Bhatkal		530	530	600	0.0032	0.0032	0.0032	0.0000
Sirsi								
Siddapur								
Yellapur								
Mundagod								
Haliyal								
joida								
Total					0.0117	0.0117	0.0117	0.0000
Karwar	Blackgram, Greengram, Horsegram, Cowpea	5	5	300	0.0000	0.0000	0.0000	0.0000
Ankola		50	50	300	0.0002	0.0002	0.0002	0.0000
Kumta		15	15	300	0.0000	0.0000	0.0000	0.0000
Honnavar		5	5	300	0.0000	0.0000	0.0000	0.0000
Bhatkal		25	25	300	0.0001	0.0001	0.0001	0.0000

Sirsi		250	250	300	0.0008	0.0008	0.0008	0.0000
Siddapur		75	75	300	0.0002	0.0002	0.0002	0.0000
Yellapur		20	20	300	0.0001	0.0001	0.0001	0.0000
Mundagod		140	140	300	0.0004	0.0004	0.0004	0.0000
Haliyal		600	600	300	0.0018	0.0018	0.0018	0.0000
Joida		5	5	300	0.0000	0.0000	0.0000	0.0000
Total					0.0036	0.0036	0.0036	0.0000
Karwar	Sugarcane	10	10	2000	0.0002	0.0002	0.0002	0.0000
Ankola		40	40	2000	0.0008	0.0008	0.0008	0.0000
Kumta		100	100	2000	0.0020	0.0020	0.0020	0.0000
Honnavar		35	35	2000	0.0007	0.0007	0.0007	0.0000
Bhatkal		20	20	2000	0.0004	0.0004	0.0004	0.0000
Sirsi		140	140	2000	0.0028	0.0028	0.0028	0.0000
Siddapur		50	50	2000	0.0010	0.0010	0.0010	0.0000
Yellapur		110	110	2000	0.0022	0.0022	0.0022	0.0000
Mundagod		220	220	2000	0.0044	0.0044	0.0044	0.0000
Haliyal		5000	5000	2000	0.1000	0.1000	0.1000	0.0000
Joida		160	160	2000	0.0032	0.0032	0.0032	0.0000
Total					0.1177	0.1177	0.1177	0.0000
Karwar	Arecanut	156	156	1500	0.0023	0.0023	0.0023	0.0000
Ankola		388	388	1500	0.0058	0.0058	0.0058	0.0000
Kumta		961	961	1500	0.0144	0.0144	0.0144	0.0000
Honnavar		2103	2103	1500	0.0315	0.0315	0.0315	0.0000
Bhatkal		477	477	1500	0.0072	0.0072	0.0072	0.0000
Sirsi		5609	5609	1500	0.0841	0.0841	0.0841	0.0000
Siddapur		4011	4011	1500	0.0602	0.0602	0.0602	0.0000
Yellapur		3127	3127	1500	0.0469	0.0469	0.0469	0.0000
Mundagod		645	645	1500	0.0097	0.0097	0.0097	0.0000

Haliyal		12	12	1500	0.0002	0.0002	0.0002	0.0000	
Joida		423	423	1500	0.0063	0.0063	0.0063	0.0000	
Total					0.2687	0.2687	0.2687	0.0000	
Karwar	Coconut	728	728	1000	0.0073	0.0073	0.0073	0.0000	
Ankola		683	683	1000	0.0068	0.0068	0.0068	0.0000	
Kumta		1586	1586	1000	0.0159	0.0159	0.0159	0.0000	
Honnavar		2234	2234	1000	0.0223	0.0223	0.0223	0.0000	
Bhatkal		856	856	1000	0.0086	0.0086	0.0086	0.0000	
Sirsi		738	738	1000	0.0074	0.0074	0.0074	0.0000	
Siddapur		289	289	1000	0.0029	0.0029	0.0029	0.0000	
Yellapur		407	407	1000	0.0041	0.0041	0.0041	0.0000	
Mundagod		94	94	1000	0.0009	0.0009	0.0009	0.0000	
Haliyal		21	21	1000	0.0002	0.0002	0.0002	0.0000	
Joida		148	148	1000	0.0015	0.0015	0.0015	0.0000	
Total					0.0778	0.0778	0.0778	0.0000	
Karwar		Banana	134	134	175	0.0002	0.0002	0.0002	0.0000
Ankola	141		141	175	0.0002	0.0002	0.0002	0.0000	
Kumta	229		229	175	0.0004	0.0004	0.0004	0.0000	
Honnavar	206		206	175	0.0004	0.0004	0.0004	0.0000	
Bhatkal	55		55	175	0.0001	0.0001	0.0001	0.0000	
Sirsi	949		949	175	0.0017	0.0017	0.0017	0.0000	
Siddapur	289		289	175	0.0005	0.0005	0.0005	0.0000	
Yellapur	224		224	175	0.0004	0.0004	0.0004	0.0000	
Mundagod	482		482	175	0.0008	0.0008	0.0008	0.0000	
Haliyal	34		34	175	0.0001	0.0001	0.0001	0.0000	
Joida	168		168	175	0.0003	0.0003	0.0003	0.0000	
Total					0.0051	0.0051	0.0051	0.0000	
Karwar	Watermelon	62	62	330	0.0002	0.0002	0.0002	0.0000	

Ankola		16	16	330	0.0001	0.0001	0.0001	0.0000
Kumta		6	6	330	0.0000	0.0000	0.0000	0.0000
Honnavar		25	25	330	0.0001	0.0001	0.0001	0.0000
Bhatkal		6	6	330	0.0000	0.0000	0.0000	0.0000
Sirsi		0	0	0	0.0000	0.0000	0.0000	0.0000
Siddapur		0	0	0	0.0000	0.0000	0.0000	0.0000
Yellapur		0	0	0	0.0000	0.0000	0.0000	0.0000
Mundagod		0	0	0	0.0000	0.0000	0.0000	0.0000
Haliyal		3	3	330	0.0000	0.0000	0.0000	0.0000
Joida		0	0	0	0.0000	0.0000	0.0000	0.0000
Total					0.0004	0.0004	0.0004	0.0000
Karwar	Mango	158	158	450	0.0007	0.0007	0.0007	0.0000
Ankola		230	230	450	0.0010	0.0010	0.0010	0.0000
Kumta		119	119	450	0.0005	0.0005	0.0005	0.0000
Honnavar		72	72	450	0.0003	0.0003	0.0003	0.0000
Bhatkal		38	38	450	0.0002	0.0002	0.0002	0.0000
Sirsi		191	191	450	0.0009	0.0009	0.0009	0.0000
Siddapur		47	47	450	0.0002	0.0002	0.0002	0.0000
Yellapur		37	37	450	0.0002	0.0002	0.0002	0.0000
Mundagod		1053	1053	450	0.0047	0.0047	0.0047	0.0000
Haliyal		515	515	450	0.0023	0.0023	0.0023	0.0000
Joida		54	54	450	0.0002	0.0002	0.0002	0.0000
Total					0.0113	0.0113	0.0113	0.0000
District total of all crops					1.8767	0.5520	0.5542	1.3224

4.3 Livestock Water Demand

In Uttarakannada district total number of livestock are 979613. The present water demand live stock is 0.08939BCM and water demand expected by is 2020 is 0.09162BCM. So water potential need to be created is 0.00223BCM.

4.3 Livestock Water Demand						
Block	Total number of live stock	Livestock population by 2020	Present water demand (BCM)	Water demand in 2020 (BCM)	Existing Water potential (BCM)	Water potential to be created (BCM)
Karwar	65024	66650	0.00593	0.00608	0.00593	0.00015
Ankola	94844	97215	0.00865	0.00887	0.00865	0.00022
Kumta	99156	101635	0.00905	0.00927	0.00905	0.00023
Honnavar	105704	108347	0.00965	0.00989	0.00965	0.00024
Bhatkal	63261	64843	0.00577	0.00592	0.00577	0.00014
Sirsi	153811	157656	0.01404	0.01439	0.01404	0.00035
Siddapur	86500	88663	0.00789	0.00809	0.00789	0.00020
Yellapur	85287	87419	0.00778	0.00798	0.00778	0.00019
Mundagod	65087	66714	0.00594	0.00609	0.00594	0.00015
Haliyal	80991	83016	0.00739	0.00758	0.00739	0.00018
Joida	79948	81947	0.00730	0.00748	0.00730	0.00018
Total	979613	1004103	0.08939	0.09162	0.08939	0.00223

4.4 Industrial water demand:

The main sources of water for the industrial sector are groundwater and surface water. The total number of industries registered in the district are 103 and the present water demand for these industries is 0.0037595 BCM. Industrial water demand for the year 2020 is estimated at 0.00563925 BCM.

TABLE : 4.4 INDUSTRIAL WATER DEMAND

4.4 Industrial Water Demand						
Block	Name of the industry	No of Industries	Water demand (BCM)	Water demand in 2020 (BCM)	Existing Water potential (BCM)	Water potential to be created (BCM)
Karwar	Aditya Birla, Chemicals, Binaga	1	0.001084	0.001626	0.001084	0.000542
	Domestic industries	18	0.000657	0.0009855	0.000657	0.0003285
Ankola	Domestic industries	9	0.0003285	0.00049275	0.0003285	0.00016425
Kumta	Domestic industries	19	0.0006935	0.00104025	0.0006935	0.00034675
Honnavar	Domestic industries	11	0.0004015	0.00060225	0.0004015	0.00020075
Bhatkal	Domestic industries	8	0.000292	0.000438	0.000292	0.000146
Sirsi	Domestic industries	13	0.0004745	0.00071175	0.0004745	0.00023725
Siddapur	Domestic industries	1	0.0000365	0.00005475	0.0000365	0.00001825
Yallapur	Domestic industries	4	0.000146	0.000219	0.000146	0.000073
Mundagod	Domestic industries	1	0.0000365	0.00005475	0.0000365	0.00001825
Haliyal	Westcoast paper Mill & EID Parry sugars	2	0.0376	0.0564	0.0376	0.0188
	Domestic industries	13	0.0004745	0.00071175	0.0004745	0.00023725
Joida	Domestic industries	3	0.0001095	0.00016425	0.0001095	0.00005475
Total	Domestic industries	103	0.0037595	0.00563925	0.0037595	0.00187975

4.5 Water Demand for Power Generation:

In Uttarakannada district 2909.51 MW of power generation requires 12.4836 BCM of water and there are no plans for new projects before 2020 so no need of additional water potential.

4.5 Water Demand for Power Generation

Block	Power requirement, MW	Water demand (BCM)	Water demand in 2020 (BCM) for 1 MU	Existing Water potential (BCM)	Water potential to be created (BCM)
Karwar - Kadra	214.48	3.1654	3.1654	3.1654	0.0000
Ankola			0.0000		0.0000
Kumta			0.0000		0.0000
Honnavar - Gerusoppa Dam	240.00	2.2128	2.2128	2.2128	0.0000
Bhatkal			0.0000		0.0000
Sirsi			0.0000		0.0000
Siddapur			0.0000		0.0000
Yellapur	201.41	2.5664	2.5664	2.5664	0.0000
Mundagod			0.0000		0.0000
Haliyal (Nagjhari)	1928.37	2.5127	2.5127	2.5127	0.0000
Joida - Supa,	325.25	2.0263	2.0263	2.0263	0.0000
	2909.51	12.4835	12.4835	12.4835	0.0000

4.6. Total Water Demand of the district for various sectors:

The total quantity of water required for different activities in the district is 13.26594BCM.of which highest quantity is consumed for power generation (12.4836 BCM). Crops in the district requires 0.55813BCM of water whereas for domestic purpose0.131142BCM of water is required. Similarly for 2020 water required for different activities in the district is 14.59688BCM.of whichagain highest quantity is consumed for power generation (12.4836 BCM). Crops in the district requires 1.87666BCM of water whereas for domestic purpose0.139437BCM of water is required.

4.6a Total Water Demand (Present)of the district for Various sectors							
S.No	Block	Components					Total, BCM
		Domestic	Crop	Livestock	Industrial	Power generation	
1	Karwar	0.01416	0.01364	0.00593	0.00871	3.16542	3.20786
2	Ankola	0.01706	0.02316	0.00865	0.00108		0.04996
3	Kumta	0.01474	0.04622	0.00905	0.00033		0.07034
4	Honnavar	0.01408	0.06872	0.00965	0.00069	2.21277	2.30590
5	Bhatkal	0.00979	0.02866	0.00577	0.00040		0.04463
6	Sirsi	0.01517	0.10179	0.01404	0.00029		0.13128
7	Siddapur	0.00888	0.07100	0.00789	0.00047		0.08825
8	Yellapur	0.00718	0.05419	0.00778	0.00004	2.56637	2.63556
9	Mundagod	0.00969	0.02922	0.00594	0.00015		0.04499
10	Haliyal	0.01564	0.10558	0.00739	0.01903	2.51267	2.66031
11	Joida	0.00475	0.01208	0.00730	0.00011	2.02631	2.05054
Total		0.13114	0.55424	0.08939	0.00376	12.48353	13.26205

4.6 Total Water Demand of the district for Various sectors(2020)

S.No	Block	Components					Total, BCM
		Domestic	Crop	Livestock (TCM)	Industrial	Power generation	
1	Karwar	0.014864	0.0551351	0.00608	0.002615	3.1654	3.24412
2	Ankola	0.018159	0.12298455	0.00887	0.00049275	0.0000	0.15051
3	Kumta	0.015951	0.13621605	0.00927	0.00104025	0.0000	0.16248
4	Honnavar	0.014895	0.126717	0.00989	0.00060225	2.2128	2.36487
5	Bhatkal	0.010351	0.09765705	0.00592	0.000438	0.0000	0.11436
6	Sirsi	0.015733	0.28318525	0.01439	0.00071175	0.0000	0.31402
7	Siddapur	0.008568	0.18899725	0.00809	0.00005475	0.0000	0.20571
8	Yellapur	0.007683	0.1437935	0.00798	0.000219	2.5664	2.72604
9	Mundagod	0.011336	0.259417	0.00609	0.00005475	0.0000	0.27690
10	Haliyal	0.016850	0.3509769	0.00758	0.005711	2.5127	2.89378
11	Joida	0.005047	0.111577	0.00748	0.00016425	2.0263	2.15057
Total		0.139437	1.87666	0.09162	0.00563925	12.4835	14.59688

4.7 Water Budget

Detailed analysis of present water status of the district shows that 13.26205 BCM of water is required for different sectors viz power generation, crops, livestock, domestic etc. By 2020 water demand from different sectors would be 14.59688BCM. There is a need to creat additional water source of 0.28624 BCM of water to meet the current water demand and 1.62117BCMto be created by 2020.

4.7 Water Budget							
Name of Blocks	Existing water availability (BCM)		Total (BCM)	Water Demand (BCM)		Water Gap (BCM)	
	Surface water	Ground water		Present	Projected (2020)	Present	Projected (2020)
Karwar	3.19789	0.00885	3.20674	3.20786	3.24412	0.00112	0.03738
Ankola	0.02193	0.02433	0.04626	0.04996	0.15051	0.00369	0.10424
Kumta	0.02787	0.01849	0.04636	0.07034	0.16248	0.02397	0.11612
Honnavar	2.13618	0.00931	2.14549	2.30590	2.36487	0.16041	0.21938
Bhatkal	0.03273	0.00514	0.03787	0.04463	0.11436	0.00675	0.07649
Sirsi	0.10870	0.01095	0.11965	0.13128	0.31402	0.01163	0.19436
Siddapur	0.08296	0.01430	0.09726	0.08825	0.20571	-0.00901	0.10845
Yellapur	2.59043	0.03497	2.62540	2.63556	2.72604	0.01016	0.10064
Mundagod	0.03000	0.03049	0.06049	0.04499	0.27690	-0.01550	0.21641
Haliyal	2.62720	0.01496	2.64216	2.66031	2.89378	0.01814	0.25161
Joida	1.93631	0.01172	1.94803	2.05054	2.15057	0.10251	0.20255
TOTAL	12.79221	0.18351	12.97572	13.26205	14.59688	0.28634	1.62117

CHAPTER -5 STRATEGIC ACTION PLAN

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 view of fast changing development scenario, it is emphasized that the key priorities and identified strategies cannot be considered as static and firm. These need to be reviewed and improved upon from time to time. In this regard a comprehensive “Strategic Plan for District Irrigation” has been prepared under different components of PMKSY.

1. AIBP : Accelerated Irrigation Benefit Programme
2. Har Keth Ko Pani
3. Per Drop More Crop
4. Watershed
5. Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGA)

Chapter V: Strategic Action Plan for Irrigation in District under PMKSY:

5 Strategic Action plan for Irrigation in District under PMKSY

S. No	Name of the Blocks/sub Districts	Concerned Ministry/ Department	Component	Activity			Total Number/Capacity (cum)	Command Area/Irrigation Potential (Ha)	Period of Implementation (5/7yrs)	Estimated cost (in lakhs.)
				Grama Panchayath	Village					
1		MoWR	AIBP	MoWR	AIBP	Major irrigation				0.00
2		MoWR		MoWR		Medium irrigation				0.00
3	Sirsi	MoWR	Har ket ko pani	MoWR	Har ket ko pani	Surface Minor irrigation				0.00
1)				Neggu	Bommannahalli	Construction of Bandara near Bommanalli at Neggu Panchayat	1	20.00	5 years	25.00
				Kangod	Jaganalli horale	Construction of Bandara near Jaganalli horale at Kangod Panchayat	1	40.00		50.00
					Mundigejaddihole	Construction of Bandara near Mundigejaddi hole	1	8.00		10.00
					Shigehalli	Construction of Bandara near Shigehalli	1	20.00		25.00
				Balagar	Construction of Bandara near Balagar at Kangod panchayat	1	25.00	10.00		
				Shivalli (Hegdekatta)	Kodemane shivgav	Construction of Bandara near Kodemane Shivagav	1	32.00		40.00
				Bairumbe	Halage	Construction of Bandara Halage village at Bairumbe Panchayat	1	80.00		100.00
					Hulekal halla	Construction of Bandara near	1	20.00		25.00

					Hulekal halla at Bairumbe Panchayat				
				Balgar	Construction of Bandara near Balgar at Bairumbe Panchayat	1	32.00		40.00
				Sadashivalli	Construction of Bandara near Sadashivalli at Bairumbe Panchayat	1	32.00		40.00
			Sugavi	Katribidar halla	Construction of Bandara near Katribidar halla at Sugavi Panchayat	1	32.00		40.00
				Madanakeri	Construction of Bandara near Marigudde (Madankeri) in Sugavi	1	24.00		30.00
				Kalasalli Marigundi	Construction of Bandara near Kalasalli Marigundi village	1	20.00		25.00
			Gudnapur	Hindlemidi hadalagi	Construction of Bandara near Hindlemidi Hadalagi village	1	8.00		10.00
			Kodnagadde	Kodnagadde	Construction of Bandara near Kodnagadde at Kodnagadde Panchayat	1	8.00		10.00
				Devarakoppa	Construction of Bandara near Devarakoppa	1	8.00		10.00
				Devatemane	Construction of Bandara near Devatemane	1	8.00		10.00
				Yedalli menasi	Construction of Bandara near Yadalli Menasi .	1	24.00		30.00
				Hakkigadde kambigar	Construction of Bandara across hakkigadde Kambigar Vatehole	1	32.00		40.00
			Dodnalli	Landakanahalli	Construction of Bandara across	1	32.00		40.00

					Landakanahalli village Kelagina esale halla				
					Construction of Bandara near Landakanahalli at Dodnalli Panchayat	1	32.00		40.00
			Unchalli	Kabbe	Construction of Bandara near Kabbe village at Unchalli Panchayat	1	40.00		50.00
			Bandal	Sutmane navilugar	Construction of Bandara near Sutmane Navilugar at Bandal Panchayat	1	28.00		35.00
				Jalagadde Ragihosalli	Construction of Bandara near Jalagadde Ragihosalli village	1	20.00		25.00
			Andagi	Andagihalla	Construction of Bandara near Andagi halla at Andagi Panchayat	1	28.00		35.00
			Isloor	Jambekoppa	Construction of Bandara near Jambekoppa halla at Isloor Panchayat	1	28.00		35.00
				Kalkaradi	Construction of Bandara near Kalkaradi village Tavadakoppa halla	1	36.00		45.00
			Sonda	Sonda	Construction of Bandara near Sonda village at Sonda Panchayat	1	32.00		40.00
				Rampura	Construction of Bandara near Ramapur in Sirsi Taluk, U. K. District.	1	24.00		30.00
			Devanalli	Mattighatta Kelaginakeri	Construction of Bandara Mattighatta Kelaginakeri at Devanalli Panchayat	1	40.00		50.00

					Construction of Bandara near Sallegadde at Devanalli Panchayat	1	24.00		30.00
			Hulekal	Mathadevala	Construction of Bandara Konesara halla Mathadevala village	1	24.00		30.00
					Construction of Bandara near Kalgar hole Sy No. 67 in Sirsi Taluk, U. K. District.	1	36.00		45.00
			Shivalli	Shivalli	Construction of Bandara near Shivalli village Bellada majre	1	8.00		10.00
			Yadalli	Sirsimakkihalla	Construction of Bandara Sirsimakki halla at Yadalli Panchayat	1	36.00		45.00
			Dasanako pp	Kuppegadde	Construction of Bandara near Kuppagadde at Dasanakoppa Panchayat	1	28.00		35.00
			Bankanala		Construction of Barrage Cum Bridge across Beelur Malagav road	1	32.00		40.00
			Unchalli	Kabbe	Construction of Barrage cum Bridge near Kabbe at Unchalli Panchayat	1	48.00		60.00
			Bandal	Chappar village kalakar halla	Construction of Barrage Cum Bridge across Chappar village	1	36.00		45.00
			Bankanala	Ummadi to Malagav	Construction of Barrage Cum Bridge across Ummadi to Malagav road	1	32.00		40.00
			Bisalakoppa	Koppa to Angod	Construction of Barrage cum Bridge across Koppa to Angod	1	24.00		30.00
			Salkani	Devatemane	Construction of Vented Dam near Devatemane at Salkani Panchayat	1	24.00		30.00

				Vanalli	Gopinamarihall a	Construction of Vented Dam near Gopinamari halla at Vanalli	1	24.00		30.00
					Harepal hole	Construction of Vented Dam near Harepal hole in Sirsi Taluk, U. K. District.	1	8.00		10.00
			Neggu	Ammachhi majrehalla	Construction of Vented Dam across Ammachhi majre halla Tataguni	1	16.00		20.00	
				Devanalli	Construction of Vented Dam near Devanalli in Sirsi Taluk, U. K. District.	1	24.00		30.00	
			Itaguli	Balegadde	Construction of Bented Dam near Balegadde village	1	24.00		30.00	
				Sadashivalli	Construction of Vented Dam across Sadashivalli	1	32.00		40.00	
			Bairumbe	Bailgadde	Construction of Kindi Anicut Bailgadde halla at Bairumbe Panchayat	1	56.00		70.00	
			Hulekal	Manihalli	Construction of Kindi Anicut near Manihalli at Hulekal Panchayat	1	16.00		20.00	
			Yadalli	Karasulli	Construction of Protection wall to Karsulli Bandara at Yadalli panchayat	1	10.00		15.00	
				Shivalli	Construction of Bandara near Kodlamane in Shivgav village at Shivalli	1	32.00		40.00	
				Yadalli	Construction of Bandara & canal near Yadalli in Sirsi Taluk, U. K.	1	32.00		40.00	

				District.					
				Tavadkoppa	Construction of Bandara to Tavadkoppa halla in Kalkardi village	1	32.00		40.00
			Shivalli	Hakkigadde kambigar	Construction of Bandara to Hakkigadde kambigar vate hole in Shivalli	1	32.00		40.00
			Unchalli	Kerekoppa	Construction of Bandara near Kerekoppa in Unchalli panchayat	1	40.00		50.00
			Bisalakoppa	Ullal	Construction of Bandara near Ullal in Bislakoppa panchayat in Sirsi	1	28.00		35.00
			Hulekel	Hancharata	Construction of Bandara in Hancharta village of Gaddeshinganhalli	1	8.00		10.00
			Kodanadadde	Gaddebail	Construction of Barrage cum bridge near Gaddebail in Kodnadadde	1	24.00		30.00
			Vanalli	Koligadde	Construction of Bandara near Koligadde to shedihole in Vanalli	1	24.00		30.00
				Mensihole	Construction of Bandara near Mensihole at Vanalli panchayat in Sirsi	1	24.00		30.00
			Kangod	Igodahalla	Construction of Bandara near Igodhalla in kangod Panchayat	1	24.00		30.00
			Targod	Kumbrigaddehalla	Construction of Bandara near Kumbrigadde halla in Targod Panchayat	1	40.00		50.00
				Gaddebail	Construction of Bandara near	1	32.00		40.00

						Gaddebail halla Targod Panchayat					
				Bisalakoppa	Bellad majire	Construction of Bandara in Bellad majire of Shivalli village in Bislakoppa	1	20.00		25.00	
				Salkani	Palyargadde	Construction of Bandara to Palyargadde holein Salkani Panchayat	1	24.00		30.00	
					Kalagar	Construction of Bandara in sy. No.1 across kalagar halla	1	25.00		90.00	
					Taluk Total			67.0	1816.0		2310.0
2)	Siddapur	MoWR	Har ket ko pani	Kavanchur	Ganagevigadde	Construction of Bandara near Ganagevigadde at Kavanchoor Panchayat	1	32.00	5 years	40.00	
						Arendur	Construction of Bandara near Arendoor Siddapur-Sagar road side	1		80.00	100.00
				Kyadagi	Naligar Katragar	Construction of Bandara near Naligar Katragar halla at Kyadagi	1	60.00		75.00	
						Kasagod	Construction of Bandara near Kasagod halla at Kyadagi Panchayat	1		40.00	50.00
						Mavinkodu	Construction of Bandara across Mavinakodu halla at Kyadagi Panchayat	1		40.00	50.00
				Kangod	Bellattihalla	Construction of Bandara near Bellatti halla at Kangod Panchayat	1	48.00		60.00	
						Mankodu	Construction of Bandara near Mankodu at Kangod Panchayth	1		64.00	80.00

			Vajgod	Danamava	Construction of Bandara near Danamava village Mundigenamane	1	24.00		30.00
			Analebail	Sarakuli	Construction of Bandara near Sarakuli at Analebail Panchayat	1	60.00		75.00
			Dodmane	Kudegodu	Construction of Bandara across Kudegodu village Sy No. 48/3	1	16.00		20.00
			Shiralagi	Shiralagi	Construction of Bandara across Shiralagi Sy No. 229 at Shiralagi	1	24.00		30.00
				Balikoppa	Construction of bandara near Balikoppa Vaddinagadde halla	1	20.00		25.00
			Bedkani	Hulimane	Rejuvenation of Tank near Hulimane, Melinakeri at Bedkani panchayat	1	15.00		9.00
						Construction of canal to Irase bandara	1	6.25	
			Manmane	Igodkoppa	Construction of Bandara near Igodakoppa at Manamane Panchayat	1	40.00		50.00
				Samshemath hole	Construction of Bandara near Samshemath hole at Manamane	1	32.00		40.00
				Kerekodi	Construction of Bandara in Manmane Kerekodi at Manamane	1	20.00		25.00
			Kavanchur	Kamanagadde	Construction of Bandara across Kallur Kamangadde halla at Kavanchur	1	40.00		50.00
				Basarmanehalla	Construction of Bandara across Kallur Basarmane halla at Kavanchur	1	40.00		50.00
				Hittlakoppa meankallu	Construction of Bandara near Hittalkoppa Meankallu at	1	16.00		20.00

					Kavanchur				
					Hittlakoppa birlehalla	Construction of Bandara near Hittalkoppa Birle halla at Kavanchur	1	20.00	25.00
					Nellur gundikeri ho;e	Construction of Bandara near Nellurgundikere hole at Kavanchur	1	12.00	15.00
					Kalyanpur halla	Construction of Bandara near Kalyanpur halla at Kavanchur Panchayat	1	40.00	50.00
					Gulgod	Construction of Bandara near Gulgod village at Kavanchur Panchayat	1	40.00	50.00
				Vajgod	Hosalamakki halla	Construction of Bandara near Shingumane Hosalamakki halla at Vajgod	1	28.00	35.00
					kanalli	Construction of Bandara across Hukkalige halla near Kanalli village	1	28.00	35.00
				Halageri	Byagaod halla	Construction of Bandara across Byagod halla near Mavingundi at Halgeri	1	40.00	50.00
					Halagadde halla	Construction of Bandara across Halgadde halla near Mavingundi	1	40.00	50.00
					Belatti	Construction of Bandara across Kabbinahole near Bellatti village	1	32.00	40.00
					Hemgar	Construction of Bandara near Hemgar at Halgeri Panchayat	1	32.00	40.00
				Dodmane	Martamakki	Construction of Bandara near Martamakki at Dodmane Panchayat	1	36.00	45.00
				Kangod	Morigundi halla	Construction of Bandara across Morigungi halla in nidgod village	1	28.00	35.00
					Vaddinagadde halla	Construction of Bandara across Vaddingadde halla in Balikoppa village	1	28.00	35.00
					Taluk Total		33	1121.25	1394.00

3)	Mundgod	MoWR	Har ket ko pani	Salagaon	Sanavalli	Construction of Vented dam near Yellappa Konanakeri Land	1	38.00	5 years	50.00
					Donihalla	Construction of Vented dam To Doni Halla near Sanavalli Salgaon	1	25.00		30.00
				Chowadalli	Thamyanakoppa	Construction of Vented dam near Thamyanakoppa village	1	15.00		35.00
					Kasurhalla	Construction of Vented dam near Kusur Halla in Mundgod Tq.	1	45.00		50.00
					Kyasankeri	Construction of Vented dam near Kyasanakere vaddinakeri	1	39.00		70.00
					Andalagi	Construction of Vented dam near Andalagi Halla, Chowdalli panchyath	1	50.00		50.00
				Kathur	Kallalli	Construction of Vented dam near Kallalli village, Kathur panchayath	1	46.00		50.00
					Singanahalli	Construction of Vented dam near Singnahalli Halla, Kathur panchayat	1	35.00		60.00
					Beerkoppa Kurbur	Construction of Vented dam Middle of Bachanaki Nysargi Halla	1	41.00		50.00
					Indiranagar halla	Construction of Vented dam near Indiranagar Halla in Mundgod Tq.	1	40.00		70.00
					Naganoor	Construction of bandhara near Basvaraj Mahadevappa Bagildavar	1	38.00		50.00
				Nandikatta	Ugginakeri	Construction of Bridge cum Barrage to Doni Halla, Ugginakeri village	1	35.00		50.00
					Ugginakeri	Construction of bandhara near Nandikatta Ugginakeri Sy No 9	1	45.00		40.00
					Erebail	Construction of bandhara near	1	40.00		40.00

					Erebail , Nandikatta panchayat				
					Sy. No. 6, Ugginaeri	Construction of bandhara near Iravva Kenchappa Irannavar Sy No 6	1	15.00	40.00
					Mullannavar land	Construction of bandhara near Mullannavar land	1	10.00	15.00
					Ugginaeri	Construction of bandhara near , Ugginaeri village	1	35.00	50.00
					Kendalageri	Construction of bandhara near Kendalageri village, Nandikatta	1	35.00	50.00
				Kathur	Badagihalla	Construction of Bridge cum Barrage near Badagi Halla	1	35.00	50.00
					Bidagihalla	Construction of Bridge cum bandhara near Bidagi halla	1	27.00	50.00
					Kallalli	Construction of bandhara near , kallalli village, Kathur panchayat	1	46.00	50.00
					Singanahalla	Construction of bandhara near , Singnahalli halla , Kathur panchayat	1	35.00	60.00
				Kodambi	Kodambihalla	Construction of bandhara near Kodambi halla	1	80.00	50.00
					Bharath mill	Construction of bandhara near Bharath mill	1	10.00	20.00
					Sy.No.12	Construction of bandhara near Geddappa Ramachandrappa	1	26.00	15.00
					Bharatmill	Construction of bandhara near Bharatmil	1	10.00	30.00
					Laxman land	Construction of bandhara near Laxman land, Kodambi in Mundgod Tq.	1	17.00	30.00
					Sy. No.28	Construction of bandhara near Durgavva Chennavva Contractor	1	11.00	15.00

					Bharatmill	Construction of bandhara near Bharatmil	1	17.00		30.00
					Lamnd of Halappa	Construction of bandhara near land of Halappa, Kodambi panchayat	1	8.00		30.00
					Nilavva Lakshayya	Construction of bandhara near land of Nilavva Lakshayya Ilagera	1	45.00		50.00
				Bachanaki	Nyasargi palekar land	Construction of bandhara near Nyasargi Palekar land	1	35.00		30.00
					Nyasargi halla	Construction of bandhara near Nyasargi halla, Bachanaki panchayat	1	15.00		30.00
					Indiranagar	Construction of bandhara near Durgappa land, Indiranagar	1	15.00		30.00
					Land of Ingaleyavar	Construction of bandhara near land of Ingaleyavar,	1	10.00		40.00
					Berappa kurbur	Construction of bandhara near land of Berappa Kurubar , Nyasargi	1	41.00		50.00
					Mahadevappa munagi koppa	Construction of bandhara near , Mahadevappa Mungai koppa	1	15.00		30.00
					Indiranagar halla	Construction of bandhara near , Indiranagar Halla , Bachanaki	1	16.00		50.00
				Chigalli	Chigalli	Construction of bandhara near Sangoormath, Chigalli village	1	40.00		30.00
					Chigalli halla	Construction of bandhara near Chigallai Halla, at Siddanakoppa	1	10.00		20.00
					Kumaragowda Patil	Construction of bandhara near land of Kumargowda Patil, at Mudalai	1	35.00		50.00
				Hunagund	Thayaanaahalla	Construction of bandhara near Thayavvanahalla (Ashok palekar)	1	25.00		30.00

				a					
				Gunjavathi	Kusur	Construction of bandhara near Kusur village	1	15.00	20.00
				Bedasagon	Karadihalla	Construction of bandhara near Karadi Halla, Bedsgaon panchayt	1	20.00	30.00
					Kanchikoppahalla	Construction of bandhara near Kanchikoppa Halla	1	9.00	35.00
				Salagaon	Rajeshwari mallige halla	Construction of bandhara near Rajewada Majjige halla, Salgaon	1	15.00	40.00
					Sanavalli	Construction of bandhara near land of Yellappa Konanakeri	1	38.00	50.00
					Sanavalli	Construction of bandhara & canal near sanavalli, Salgaon panchayat	1	25.00	45.00
				Chowdalli	Malavalli halla	Construction of bandhara near Malvalli Halla, Chowdalli	1	15.00	30.00
					Basavanakoppa	Construction of bandhara near land of Basavanneppa Huttagannavar	1	15.00	40.00
					Kalakeri	Construction of bandhara near Kalakeri village ,	1	25.00	50.00
					Thamayyana koppa	Construction of bandhara near , Thamyanakoppa village, Chowdalli	1	15.00	40.00
					Thamayyana koppa	Construction of bandhara near , Thamyanakoppa village, Kusur Halla,	1	45.00	45.00
					Kyasanakeri vaddanakeri	Construction of bandhara near , Kysanakeri Vaddinakeri, Chwodalli	1	39.00	70.00
						Construction of bandhara near ,	1	50.00	50.00

					Andlagi halla, Chwodalli panchayat				
			Nandolli	Jambesala halla	Construction of Bandhara near , Jambesala Halla	1	8.00		30.00
			Ummachagi	Hiresara halla	Construction of Bandhara near , Hiresara Halla , Ummachagi	1	12.00		35.00
			Hittlalli	Kolipade halla	Construction of Bandhara near , Kolipade Halla , at Tolgod	1	13.00		30.00
			Mavinamane	Hosagadde halla	Construction of Bandhara near , Hosagadde Halla ,Mavinamane	1	12.00		25.00
			Bedsagaon	Kalagadde	Construction of Bridge cum bandhara near Kalagadde	1	20.00		25.00
			Salagaon	Jogeshwari halla	Construction of Bridge cum bandhara Jogeshwari halla	1	45.00		40.00
			Ummachagi	Narasira halla	Construction of Bridge cum Bandhara near , Narisara Halla	1	23.00		45.00
			Chowdalli	Thamyanakoppa	Construction of Protection wall at Thamyanakoppa, Chwodalli	1	15.00		35.00
			Salagaon	Salagoan tank	Construction of Protection wall at Salgaon Tank, Salgaon i panchayat	1	10.00		25.00
			Gunjavathi	Gunjavti sullalli	Construction of Protection wall near Gunjavati Sullali in Mundgod Tq.	1	16.00		50.00
				Attangi	Construction of canala near Kampagatti halla, at Attanagi village	1	50.00		50.00
			Vajralli	Appegundi	Construction of canal near , Appegundi bandhara , Vazralli	1	12.00		25.00
					TalukTotal	67	1813.00		2680.00

4)	Yella pur	MoWR	Har ket ko pani	Kiravatti	Karkundehalla	Construction of Vented dam near Karkunde Halla, Kiravatti panchayat	1	80.00	5 years	50.00
				Hasanagi	Baichgod halla	Construction of Vented dam near Baichgod Halla, Hasanagi panchayat	1	18.00		20.00
				Angod	Guddanhonda	Construction of Vented dam near Guddan Honda, Angod panchayat	1	12.00		20.00
				Idagundi	Kasabe	Construction of Vented dam near Kasabe, Idagundi Panchayat	1	9.00		20.00
					Gullapur halla	Construction of Vented dam near Gullapur Halla, Idagundi Panchayat	1	28.00		20.00
				Ummachagi	Hiresara	Construction of Vented dam near Hiresara, Ummachagi Panchayth	1	12.00		20.00
					Kolipade halla	Construction of Vented dam near Tolagod, Kolipade Halla in YellapurTq.	1	13.00		20.00
					Terehalla	Construction of Vented dam near Vamanabalur Gadde, Janchu halla	1	12.00		15.00
					Kannenahalli	Construction of Vented dam at Kannenahalla village,	1	15.00		20.00
				Mavinamane	Hosagaddehalla	Construction of Vented dam near Hosagadde Halla, Mavinmane	1	12.00		15.00
					Jogaekere	Construction of Vented dam near Jogalekere, at Tangajji mane	1	10.00		15.00
				Nandolli	Sutagar	Construction of Vented dam near Sutagar, Nandolli panchayat in YellapurTq.	1	20.00		25.00
				Kampli	Somanahalli	Construction of Vented dam near Somanahalli School, Kampli	1	14.00		20.00
				Kundargi	Gowdatikoppad	Construction of Vented dam near Gowdatikoppad, Kundargi	1	16.00		25.00

					panchayat				
					Bellambihalla	Construction of Vented dam near Bellambi Halla, at Bellambi village	1	14.00	25.00
			Mavinama ne		Geral halla	Construction of bandhara near Geral Halla, Mavinamane panchayat	1	11.00	15.00
					Jummanagadde kattina	Construction of bandhara near Jummanagadde Kattina	1	10.00	15.00
					Haranagadde madival	Construction of bandhara near Haranagadde madival tank,	1	15.00	30.00
			Hasanagi		Bilagihalla	Construction of bandhara & canal near Bilagi Halla, Hasanagi	1	40.00	25.00
			Angod		Savagadde	Construction of bandhara near Savagadde, Angod Panchayat in YellapurTq.	1	9.00	10.00
					Kodagihall	Construction of bandhara near Kodagi Halla, Angod panchayat	1	8.00	10.00
					Hulimundige	Construction of bandhara near Hulimundige, Angod panchayat	1	25.00	30.00
					Balagemane	Construction of bandhara near balagemane (Habbanapal) House	1	10.00	15.00
					Habbanapal halla	Construction of bandhara near habbanapal Halla, Angod panchayat	1	24.00	20.00
			Kundargi		Ullalahalla	Construction of bandhara near Ullala Halla, Kundargi panchayat	1	11.00	15.00
					Harahari halla	Construction of bandhara near Harahari Halla, Kundargi panchayat	1	10.00	15.00
					Hemareddi shantahgowdar	Construction of bandhara near Hemmadi Shanthagowdar House	1	10.00	15.00
					Baregrama	Construction of bandhara near	1	8.00	10.00

					Kanchinmane Halla-1,				
					Kannurhalla	Construction of bandhara near Kannur Halla, Kundargi Panchayat	1	11.00	15.00
					Bellambihalla	Construction of bandhara near Bellambi Halla, Kundargi panchayat	1	13.00	25.00
					Doddabenehall a	Construction of Bridge cum bandhara near Doddabena halla	1	8.00	20.00
				Ummacha gi	Hunsemahall a	Construction of bandhara near Hunsemahalla, Ummachagi	1	10.00	20.00
					Kelaginaummac hagihalla	Construction of bandhara near Kelagina Ummachagi halla	1	10.00	10.00
				Kampli	Chikkotti halligadde	Construction of bandhara near Chikkotti Halli Gadde	1	13.00	15.00
					Kamplihalla	Construction of bandhara near Kampli Halla	1	12.00	15.00
				Idagundi	Marakuli	Construction of bandhara near Marakuli, Idagundi panchayat	1	10.00	15.00
					Hansanagadde halla	Construction of bandhara near Hansanagadde Halla	1	10.00	15.00
					Shankaragadde halla	Construction of bandhara near Shankaragadde Halla	1	11.00	15.00
					Tumballi	Construction of bandhara near Donagar Tumballi, Idagundi	1	10.00	10.00
					Gullapur	Construction of bandhara near Gullapur, Idagundi panchayat	1	12.00	15.00
					Kalligadde	Construction of bandhara near Kalligadde, Idagundi panchayat	1	8.00	10.00
					Domagerihalla	Construction of bandhara near Domageri halla in Yellapur Tq.	1	8.00	10.00
					Kesinmane	Construction of bandhara near	1	25.00	30.00

					Kesinmane (Biragadde)				
					Mollegadde	Construction of bandhara near Mollegadde, Idagundi panchayat	1	10.00	10.00
					Donagemundigodi	Construction of bandhara near Donagae Mundigodi House	1	20.00	30.00
					Kodlagadde	Construction of bandhara near Kodlagadde, Idagundi panchayat	1	12.00	15.00
					Gopadamne arehalli	Construction of bandhara near Gopadamne Arehalli	1	10.00	10.00
					Kodlagadde kabbinahakkalu	Construction of canal near Kodlagadde Kabbinahakkalu	1	15.00	25.00
					Bhatrapal	Construction of bandhara near Bhatrapal, Idagundi panchayat	1	15.00	25.00
					Arebail sunjog	Construction of bandhara near Arbail Sunjog, Idagundi panchayat	1	15.00	20.00
					Dabaguli	Construction of canal near Dabaguli, Idagundi panchayat	1	5.00	10.00
				Vajralli	Honnegadde	Construction of bandhara near Honnegadde , Vazralli panchayat	1	10.00	10.00
					Seleman	Construction of bandhara near Seleman, Vazralli panchayat	1	10.00	10.00
					Pentemane house	Construction of bandhara near Pentemane House, Vazralli panchayat	1	9.00	10.00
					Appegundi	Construction of canal near Appegundi, Vazralli panchayat	1	10.00	10.00
					Hosabele	Construction of canal near Hosabele, Vazralli panchayat	1	16.00	25.00
					Baginakatta Gowrala	Construction of bandhara & canal near Baginakatta Gowrala	1	23.00	10.00

				Nandolli	Mavinapal	Construction of bandhara near Mavinapal , Nandolli panchayat	1	18.00		20.00
					Hunballi	Construction of bandhara near Hunballi, Nandolli panchayat	1	10.00		70.00
					Belkanda	Construction of bandhara near Belkanda, nandolli panchayat	1	8.00		10.00
					Hutkanda	Construction of bandhara near Hutkanda, Nandolli panchayat	1	10.00		10.00
					Uralbail	Construction of bandhara near Uralbail, Nandolli panchayat	1	8.00		20.00
					Magodhalasina mane	Construction of bandhara near Magod Halsinamane	1	10.00		15.00
				Madnoor	Hulgodhalla	Construction of bandhara near Hulgod halla , Madnoor panchayat	1	15.00		50.00
				Kannigeri	Kolikeri basavannanagar	Construction of bandhara near Kolikeri Basavanna Nagar	1	12.00		10.00
					Kalligadde	Construction of bandhara near Kalligadde	1	15.00		25.00
					Ilaguli	Construction of canal near lalaguli, Kannigeri panchayat	1	25.00		40.00
					Jamaguli halla	Construction of bandhara near Jamaguli halla, Kannigeri panchayat	1	18.00		10.00
				Dehalli	Kechanal	Construction of bandhara near Kechanal, Dehalli panchayat	1	15.00		30.00
					Gudamatte	Construction of bridge cum bandhara near Gudamatte	1	20.00		75.00
				Maviamente	Nelapalahalla	Construction of Bridge cum bandhara & canal near Nelapal halla,	1	22.00		30.00

				Jogalekere	Construction of Bridge cum canal near Jogalekere, Mavinamane	1	13.00		16.00
				Mundagimaneh alla	Construction of Bridge cum bandhara near Mundagi mane Halla	1	13.00		30.00
				Honnagadde	Construction of Bridge cum bandhara near Honnagadde	1	16.00		20.00
			Kuchagao nhalla		Construction of Bridge cum bandhara near kuchgaon halla,	1	15.00		50.00
			Kampli	Kodigadde halla	Construction of Bridge cum bandhara near Kodigadde halla	1	11.00		20.00
			Vajralli		Construction of bandhara & canal near Sutremane, Vazralli panchayat	1	11.00		20.00
			Ummacha gi	Balegadde	Construction of bandhara & canal near Balegadde Sheshu Bhat House	1	12.00		20.00
			Kampli	Balakal	Construction of bandhara & canal near Balakal, Kampli panchayat	1	15.00		25.00
			Vajralli	Upparige	Construction of bandhara & canal near targara Upparige house	1	14.00		20.00
			Kundargi	Kyadagesara	Construction of Bridge cum barrage near Kyadagesara	1	55.00		90.00
			Ummacha gi	Narisarhalla	Construction of Bridge cum barrage near narisar Halla, Ummachagi	1	23.00		30.00
					Taluk Total	82	1231.00		1771.00
5	Haliy) al	MoWR	har ket ko pani	Alur	Construction of Bandhara near Alur	1	30.00	5 years	50.00
				Hosur Tatvanagi	Construction of Bandhara near Hosur Tatwanagi	1	50.00		50.00
				Nagashettikopp a	Construction of Bandhara near Nagashettikoppa.	1	20.00		50.00
				B.K. Halli	Construction of Bandhara near	1	30.00		50.00

					B.K.Halli				
				Sankanakoppa	Construction of Bandhara near Sankankoppa	1	45.00		50.00
				Mugadakoppa	Construction of Bandhara near Mugadakoppa	1	40.00		50.00
				Magawad	Construction of Bandhara near Magawad.	1	30.00		50.00
				Ajagaon	Construction of Bandhara near Ajagaon	1	50.00		100.00
				Agasalakatta	Construction of Bandhara near Agasalkatta	1	50.00		100.00
				Dusagi	Construction of Bandhara near Dusagi	1	50.00		100.00
				Halasi	Construction of Bandhara near Halasi	1	50.00		150.00
				Tatagera	Construction of Bandhara near Tatagera	1	40.00		100.00
				Vitnal	Construction of Bandhara near Vitnal	1	50.00		80.00
				Shivapur	Construction of Bandhara near Shivapur	1	40.00		50.00
				Belavatagi	Construction of Bandhara near Belavatagi	1	60.00		100.00
				Kenchalaapur	Construction of Bandhara near Kenchalapura	1	30.00		75.00
				Durgadhalla	Improvements to Durgadhalla Tank	1	300.00		200.00
				Ambadga	Improvements to Ambadga Tank	1	150.00		200.00
				Kumbarkere	Improvements to Kumbarkere Tank	1	100.00		100.00

				Hunswad	Improvements to Hunswad Tank	1	50.00		100.00	
				Kawalwada	Improvements to Kawalwada Tank	1	70.00		100.00	
				Belvatagi	Improvements to Belvatagi Tank	1	70.00		100.00	
				Gadiyal	Improvements to Gadiyal Tank	1	100.00		200.00	
				Mavinkoppa	Improvements to Mavinkoppa Tank	1	150.00		200.00	
				Jataga	Improvements to Jataga Tank	1	70.00		100.00	
				Harwall	Improvements to Harwalli Tank	1	70.00		100.00	
				Doddakere	Improvements to Doddakere Tank	1	150.00		200.00	
				Adakinaka	Improvements to Adakinakal Tank	1	70.00		100.00	
				Sambrani	Improvements to Sambrani Tank	1	70.00		100.00	
				Hulatti	Improvements to Hulatti Tank	1	70.00		100.00	
					Filling up of Minor irrigation Tanks	41	9427.00		14400.00	
					Taluk Total	71	11582		17505.0	
6	Joida	MoWR	har ket ko pani	Peeregali	Peeregali	Construction of Bandhara near Peeregali	1	50.00	5 years	100.00
)				Marasangal	Marasangal	Construction of Bandhara near Marasangal	1	20.00		40.00
				Akheti	Dusagi	Construction of Bandhara near Dusagi(Akethi Panchayat)	1	60.00		100.00
					Konasheth	Construction of Bandhara near	1	25.00		50.00

					Konasheth				
					Kamara	Construction of Bandhara near Kamara (Phatharband)	1	30.00	50.00
					Limboli	Construction of Bandhara near Limboli	1	40.00	80.00
					Janalpet	Construction of Bandhara near Janalpet	1	30.00	50.00
				Aveda	Mavalangi	Construction of Bandhara near Mavalangi (Aveda Panchayat)	1	70.00	100.00
					Kasarali	Construction of Bandhara near Kasarali	1	30.00	50.00
					Devalli	Construction of Bandhara near Devalli	1	60.00	100.00
					Koodalgaon	Construction of Bandhara near Koodalgaon	1	60.00	100.00
					Palda	Construction of Bandhara near Palda	1	30.00	50.00
					Ramanagar	Construction of Bandhara near Ramanagar	1	30.00	100.00
					Akashi	Construction of Bandhara near Akashi	1	30.00	50.00
					Karambal	Construction of Bandhara near Karambal	1	25.00	40.00
					Panasoli	Construction of Bandhara near Panasoli S.No.26/27	1	30.00	50.00
					Veernoli	Construction of Bandhara near Veernoli (Bamaniwada)	1	30.00	50.00
					Birampali	Construction of Bandhara near Birampali(Suntankarwada)	1	30.00	50.00

					Akheti	Construction of Bandhara near Akethi Bandahara repair	1	30.00		75.00
						Construction of LIS in Singaragaon	1	50.00		250.00
						Construction of LIS Mawlangi	1	70.00		200.00
						Taluk Total	21	830.00		1735.00
7)	Karwar	MoWR	Har Ketko pani	Gotegali	Kharpoyee halla	Construction of KLS at Kharpoyee Halla near Bhaire at Gotegali	1	150.00	5 years	100.00
				Shirwad	Bonajihalla	Construction of KLS at Shirwad Panchayat near Bonaji Halla in Karwar Taluka.	1	60.00		50.00
				Ghadsai	Pastahalla	Construction of KLS at Pasta Halla near Bolshitta Ghadsai	1	100.00		50.00
				Mudgeri	Venkatraman halla	Construction of Check Dam Venkatraman Halla in Mudgeri Panchayat	1	60.00		50.00
					Makeri	Construction of Bandara Sahyadri Halla near Makeri in Shirwad	1	150.00		150.00
				Todur	Reconstruction of Todur Bandara in Karwar Taluka.	1	40.00	60.00		
				Chendiya	Construction of Retaining wall at Chandiya Idur near church in Karwar Taluka.	1	100.00	150.00		
				Channamma temple	Construction of pitching near Channamma temple at Karwar Taluka.	1	80.00	100.00		

						Taluk Total	8	740.00		710.00
8)	Anko la	MoWR	Har ket ko pani		Poojageri	Construction of Bandhara to Poojgeri Halla near Poojgeri village	1	100.00	5 years	100.00
				Hattikeri	Hattikeri	Construction of Bandhara to Hattikeri Halla at Hattikeri village	1	100.00		250.00
					Sakalabena halla	Construction of Bandhara to Sakalbena Halla near Aversa Bridge	1	60.00		30.00
					Shiragunji	Construction of Check Dam to Gangavali River near Shirgunji	1	108.00		600.00
					Kantri alageri halla	Construction of pitching near Kantri Algeri halla in Ankola Tq	1	15.00		30.00
						Construction of pitching near Bellekeri halla in Ankola Tq	1	20.00		300.00
					Jugadevi temple	Construction of River bank protection work along right bank of Gangavali	1	70.00		100.00
					Aragona	Construction of River bank protection work along right bank of Agragona	1	50.00		100.00
					Harwad halla	Construction of River bank protection work along right bank of Harwad	1	20.00		50.00
						Construction of Bandhara near Chandumath village in Ankola Taluka.	1	50.00		30.00
					Shirgunji	Construction of salt water exclusion dam to Shirgunji LIS at Shirgunji	1	108.00		600.00
					Hattikeri	Construction of Bandhara to Hattikeri halla at Hattikeri village in	1	100.00		250.00

						Ankola Taluka.					
					Sakalben halla	Construction of Bandhara to Sakalben halla near Avarsa bridge at Hattikeri Panchayat in Ankola Taluka.	1	60.00		30.00	
					Manjuguni	Construction of Checkdam	1	66.67		10.00	
				Honnebail	Gonnebail	Construction of Checkdam	1			75.00	
					Hundgoda	Construction of Checkdam	4			100.00	
					Singanamakki	Construction of Checkdam	1			20.00	
					Manjuguni	Construction of Checkdam	6			220.00	
						Taluk Total	26	927.67		2895.00	
9	Kum	MoWR			Devagiri	Salukatta to Mudnalli	Construction of Kharland from Salukatta to Mudnalli of Devgiri.	1	75.00		50.00
)	ta					Mudnalli to Goshalr	Construction of Kharland from Mudnalli to Goshale of Devgiri	1	60.00		50.00
						Horbag Pursu	Construction of Kharland from Horbag Pursu Hrikantra House	1	60.00		50.00
						Horneeru Uoorkeri	Construction of Kharland from Goshale to Horneeru Uoorkere of Devgiri	1	80.00	5	50.00
						Aghanashini	Construction of Check Dam to Khaire Nala at Agnashini Junction	1	60.00	years	50.00
						Yana nala	Construction of Check Dam to Yana Nala in Kumta Taluka.	1	60.00		50.00
				Har ket ko pani							

						Improvements to Badgani river basin inKumta Taluka.	1	160.00		2000.00
						Taluk Total	7	555.00		2300.00
1 0)	Hon nava r	MoWR	Har ket ko pani		Balkur	Construction of Bandhara at Balkur in Honnavar Taluka.	1	80.00	5 years	50.00
					Kankishitta	Construction of Bandhara at KankiShitta in Honnavar Taluka.	1	60.00		50.00
					Martarhalla	Construction of Bandhara at Martarhalla in Honnavar Taluka.	1	75.00		60.00
					Hotarhalla	Construction of Bandhara at Hotar halla in Honnavar Taluka.	1	65.00		50.00
					Bhattarkeri	Construction of Bandhara at Sharavati river Nala near Bhattar Keri	1	70.00		50.00
					Olkadi halla	Construction of Bandhara at Balkur Olkodi Halla	1	80.00		100.00
				Chikkankod	Gundibail	Construction of Retaining at Gundibail of Chikkankod	1	80.00		100.00
				Hosapattana	Kasarkod	Construction of KLS at Kasarkod Hosapattana	1	80.00		100.00
				Karki	Heggadehittlu KLS	Construction of Heggadehittlu KLS at Karki	1	120.00		150.00
				Kelginoor	Mudtara Bandhara	Construction of Mudtara Bandhara at Kelginoor	1	80.00		100.00
					Badagani	Construction Retaining wall L/B & R/B Badagani river	1	800.00		1000.00
					Tarebagilu	Construction of bund at R/B of Tarebagilu Nala	1	480.00		600.00
	Shedkuli	Construction of KLS at Shedkuli to	1	160.00	200.00					

						Rameshwar Kambi				
					Bankankattu	Construction of Retaining wall to Bankankattu	1	480.00		600.00
					Kotagimakki	Construction of Kotagimakki Bandhara in Honnavar Taluka.	1	80.00		100.00
					Handigadde	Construction of Bandara across Handigadde Halla	1	50.00		50.00
						Taluk Total	16	2840.00		3360.00
1	Bhat	MoWR	Har Ket Ko pani		Koppahaller	Construction of Bandhara at Koppahaller in Bhatkal Taluka.	1	70.00	5 years	60.00
1	kal				Heralli	FCP at Heralli Halla near Nagappa Narayan Naik's House	1	40.00		50.00
)					Hadingatti	Construction of Retaining wall at Hadingatti Honda to Muraligadde	1	80.00		100.00
					Gudankattu	Construction of Retaining wall at Gudankattu Elbar Halla	1	80.00		100.00
					Yelwadi	Construction of Retaining wall at Yelwadi Bandhara to Konur	1	80.00		100.00
					Herur	Construction of Retaining wall at Herur Bandhara to Bettibelur	1	80.00		100.00
					Kumbharkattu	Construction of Retaining wall at Kumbharkattu to Kasmudi Katta	1	160.00		200.00
					Sankada	Construction of Retaining wall at Sankada Hole	1	160.00		200.00
					Kadavinkatta	Construction of Retaining wall at side pitching Kadavinkatta Hole	1	40.00		50.00
					Mundalli	Construction of Bandhara at Mundalli sharabi river	1	64.00		80.00

				Belke	Ganjikere	Construction of Retaining wall at Belke Ganjikere Hologadde Bandhara	1	48.00		60.00	
					Belke	Construction of Bandhara at Bandhara at Belke Shiranji's House	1	48.00		60.00	
					Ganjukeri	Construction of Bandhara at Ganjukeri near Timma Mastayya's House	1	48.00		60.00	
					Shettikeri	Construction of Shettikeri Bandhara near Belke Panchayat	1	48.00		60.00	
					Alvekodi	Construction of KLS at Alvekodi Bridge to Sannabhavi Bridge	1	160.00		200.00	
					KAIKINI BENGRE	Construction of Canal for recharge of Tanks at KAIKINI BENGRE, SHIRALI BY KADAVINKATTA DAM	1	640.00		800.00	
					Taluk Total	16	1846.00		2280.00		
					District Total	414	25301.92		38940.00		
4		MOA&FW DAC&FW	Per dro p mor e crop (sup			Non- DPAP DRIP- Horticulture	2510	2500	5 years	1241.1	
5							Non-DPAP- Drip Agriculture	1500	1500	5 years	1152.9
6								Non- DPAP Sprinkler	1000 0	10000	5 years

			plementary water management activities)									
8	S	DOLR-MORD	PMKSY Watershed			Newly created WHS						
1	Karwar					Check Dams						
						Amdalli		Amdalli	3	98.67	5 years	14.80
						Toduru		Toduru	3	100.00		15.00
						Shirvad		Shirvad	2	66.67		10.00
						Kadwad		Kadwad	2	53.33		8.00
						Wailwada		Siddar	3	95.33		14.30
								Wailwada	1	30.00		4.50
						Kinnar		Kinnar	2	57.33		8.60
						Devalmak		Bargal	5	166.67		25.00

			ki					
					Beluru	6	173.33	26.00
					Naggekove	4	132.00	19.80
					Devalmakki	3	100.00	15.00
					Shirve	7	233.33	35.00
			Kerodi		Kadiye	2	53.33	8.00
			Kerodi		Kerodi	2	60.00	9.00
			Mallapur		Mallapur	3	100.00	15.00
					Virje	3	100.00	15.00
					Kuchegar	7	200.00	30.00
					Hartuga	4	133.33	20.00
					Kaiga (Haruru)	5	166.67	25.00
			Kadra		Kadra	2	66.67	10.00
			Gotegali		Gotegali	2	66.67	10.00
					Baire	6	200.00	30.00
					Lande	1	33.33	5.00
			Hankon		Maigini	3	100.00	15.00
					Gotegali	4	133.33	20.00
					Gopshitta	3	100.00	15.00
					Arav	1	33.33	5.00
					Kanasgeri	1	33.33	5.00
					Total	90	2887	433.00
					Farm Pond			
			Amdalli		Amdalli	2	6.67	1.00
			Toduru		Toduru	2	6.00	0.90
			Shirvad		Shirvad	2	6.00	0.90
			Kadwad		Kadwad	2	5.33	0.80

			Wailwada	Siddar	4	10.67	1.60
				Wailwada	2	5.33	0.80
			Kinnar	Kinnar	2	5.33	0.80
			Devalmakki	Bargal	5	16.67	2.50
				Beluru	5	16.67	2.50
				Naggekove	10	33.33	5.00
				Devalmakki	4	13.33	2.00
				Shirve	10	33.33	5.00
			Kerodi	Kadiye	3	10.00	1.50
			Kerodi	Kerodi	2	6.67	1.00
			Mallapur	Mallapur	2	5.33	0.80
				Virje	4	13.33	2.00
				Kuchegar	5	16.67	2.50
				Hartuga	2	6.67	1.00
				Kaiga (Haruru)	3	10.00	1.50
			Kadra	Kadra	2	6.67	1.00
				Balemane	2	6.67	1.00
			Gotegali	Gotegali	2	6.67	1.00

				Baire	5	16.67		2.50
				Kamargav	5	16.67		2.50
				Lande	2	6.67		1.00
			Hankon	Maigini	3	10.00		1.50
				Hankon	2	6.67		1.00
				Gotegali	4	13.33		2.00
				Gopshitta	4	13.33		2.00
				Hankonjog	2	6.67		1.00
			Asnoti	Madyewada	2	5.33		0.80
				Savantwada	2	6.67		1.00
				Kolage	2	5.33		0.80
				Arav	2	6.67		1.00
			Mudageri	Mudgeri	2	6.67		1.00
				Angadi	1	3.33		0.50
				Hosali	2	5.33		0.80
			Majali	Majali	2	5.33		0.80
			Chittakul	Chittakul	2	5.33		0.80
				Kanasgeri	2	5.33		0.80
			Chendia	Chendia	2	5.33		0.80
				Araga	2	5.33		0.80

				Gadsai		Gadsai	2	5.33		0.80	
						Ulaga	2	5.33		0.80	
						Halgejog	1	2.67		0.40	
						Total	132	416.67		62.50	
						Taluk Total	222	3303.33		495.5	
2)	Bhatkal	DOLR-MORD	PMKSY Watershed			Check Dams					
					Marukeri		Marukeri	7	115		23.50
					Haduvalli		Haduvalli	13	125		50.00
					Konar		Konar	10	178		34.00
					Shirali		Shirali	3	47		10.00
					Kaikini		Kaikini	3	47		10.00
					Bengre		Bengre	1	21		3.50
					Mundalli		Mundalli	5	89		17.00
					Muttalli		Muttalli	5	89		17.00
					Bailuru		Bailuru	1	21		3.50
					Mavalli		Mavalli	2	26		6.50
					Koppa		Koppa	2	26		6.50
					Yalvad ikavuru		Yalvad ikavuru	4	52		13.00
					Jaali		Jaali	6	126		21.00
					Heble		Heble	1	21		3.50
					Belke		Belke	6	78		19.50
				Mavinakurve		Mavinakurve	3	63		10.50	

				Total	72	1124	249.00
				Farm Pond			
			Marukeri	Marukeri	2	10	1.00
			Haduvalli	Haduvalli	4	20	2.00
			Konar	Konar	3	15	1.50
			Shirali	Shirali	2	10	1.00
			Kaikini	Kaikini	1	5	0.50
			Bengre	Bengre	2	10	1.00
			Mundalli	Mundalli	2	10	1.00
			Muttalli	Muttalli	2	10	1.00
			Bailuru	Bailuru	1	5	0.50
			Mavalli	Mavalli	1	5	0.50
			Koppa	Koppa	1	5	0.50
			Yalvad ikavuru	Yalvad ikavuru	2	10	1.00
			Jaali	Jaali	3	15	1.50
			Heble	Heble	1	5	0.50
			Belke	Belke	2	10	1.00
				Total	29	145	14.50
				Naala Bunds			
			Marukeri	Marukeri	1	5	2.00
			Haduvalli	Marukeri	2	10	4.00
			Konar	Haduvalli	3	15	6.00
			Shirali	Konar	1	5	2.00
			Kaikini	Shirali	1	5	2.00
			Bengre	Kaikini	1	5	2.00
			Mundalli	Bengre	1	5	2.00

			Muttalli		Mundalli	1	5		2.00
			Koppa		Muttalli	1	5		2.00
			Yalvad ikavuru		Mavalli	1	5		2.00
			Jaali		Koppa	1	5		2.00
			Heble		Yalvad kavur	2	10		4.00
			Belke		Heble	1	5		2.00
			Bailuru		Belke	1	5		2.00
					Total	18	90		36.00
					Percolation Tanks/ Gokatte				
			Kaikini		Kaikini	1	10		2.20
			Bengre		Bengre	1	10		2.20
			Mavalli		Bailoor	1	10		2.20
			Marukeri		Mavalli	1	10		2.20
			Haduvalli		Marukeri	1	10		2.20
			Konar		Haduvalli	2	20		4.40
					Konar	1	10		2.20
					Total	8	80		17.60
					Taluk Total	127	1439		317.1
3	Honna var	DOLR-MORD			Check Dams				
					Kadnir	1	26.67	5 years	4.00
					Mallapur	2	53.33		8.00
					Hodkeshiruru	1	26.67		4.00
			Kadle		Kadle	2	53.33		8.00
					Vandoor	2	53.33		8.00
					Nilkod	1	26.67		4.00
			Haldipur		Haldipur	1	26.67		4.00

				sankolli	2	53.33		8.00
			Karki	Karki -1	2	53.33		8.00
				Karki -2	2	53.33		8.00
				Salkod	2	53.33		8.00
			Hosakuli	Hosakuli	2	53.33		8.00
			Mugwa	Mugwa	2	53.33		8.00
				Nagre	1	26.67		4.00
				Arolli	1	26.67		4.00
			Hadinbal	Hadinbal	2	53.33		8.00
				Mutta	2	53.33		8.00
				Baranki	2	53.33		8.00
			Chikkankod	Chikkankod	1	26.67		4.00
				Hirebail	1	26.67		4.00
				Hosagod	2	53.33		8.00
				Jankadkal	2	53.33		8.00
			Kharwa	Kharwa	1	26.67		4.00
				Kudla	2	53.33		8.00
			Mavinkurve	Mavinkurve	2	53.33		8.00
			Jalavalli	Jalavalli	1	26.67		4.00
				Keravalli	2	53.33		8.00
				Tumboli	1	26.67		4.00
			Herangadi	Herangadi	1	26.67		4.00
			Upponi	Upponi	1	26.67		4.00
				Saralagi	1	26.67		4.00
				Mahime	3	80.00		12.00

				Kasarkod		Kasarkod	4	106.67		16.00
						Hosapattan	1	26.67		4.00
				Kelaginoor		Kelaginoor	1	26.67		4.00
						Apsarkonda	1	26.67		4.00
						Gunavanthe	2	53.33		8.00
				Idagunji		Idagunji	1	26.67		4.00
						Malakod	2	53.33		8.00
				Balkur		Balkur	1	26.67		4.00
						Heggar	1	26.67		4.00
						Hinnuru	1	26.67		4.00
				Kodani		Kodani	1	26.67		4.00
						Anilgod	1	26.67		4.00
				Magod		Magod	1	26.67		4.00
				Chittar		Chittar	2	53.33		8.00
						Dabbod	1	26.67		4.00
						Adukal	1	26.67		4.00
						Hadikal	1	26.67		4.00
						Asikere	1	26.67		4.00
				Manki (Halemath)		Manki	1	26.67		4.00
				Manki		Manki	2	53.33		8.00
						Kucchodi	2	53.33		8.00
						Herali	1	26.67		4.00
						Kota	2	53.33		8.00
						Tumbilu	5	133.33		20.00
						Total	88	2346.6		352.00

									7		
						farm Pond					
			chandava			chandavar	12	24.00			3.60
			r			Kadnir	6	12.00			1.80
						Mallapur	7	14.00			2.10
						Hodkeshiruru	6	12.00			1.80
			Kadatoka			Kadatoka	6	12.00			1.80
						Kekkar	12	24.00			3.60
						Anansalli	14	28.00			4.20
			Kadle			Kadle	13	26.00			3.90
						Vandoor	13	26.00			3.90
						Nilkod	6	12.00			1.80
			Haldipur			Haldipur	6	12.00			1.80
						sankolli	12	24.00			3.60
			Karki			Karki -1	12	24.00			3.60
						Karki -2	12	24.00			3.60
			Salkod			Salkod	12	24.00			3.60
			Hosakuli			Hosakuli	12	24.00			3.60
			Mugwa			Mugwa	5	10.00			1.50
						Nagre	3	6.00			0.90
						Arolli	3	6.00			0.90
			Hadinbal			Hadinbal	6	12.00			1.80
						Mutta	5	10.00			1.50
						Baranki	5	10.00			1.50
			Chikkankod			Chikkankod	5	10.00			1.50
						Hirebail	8	16.00			2.40
						Hosagod	8	16.00			2.40

				Jankadkal	8	16.00		2.40
			Kharwa	Kharwa	5	10.00		1.50
				Kudla	6	12.00		1.80
			Mavinkurve	Mavinkurve	8	16.00		2.40
			Jalavalli	Jalavalli	8	16.00		2.40
				Keravalli	8	16.00		2.40
				Tumboli	5	10.00		1.50
			Herangadi	Herangadi	7	14.00		2.10
				Mudkani	10	20.00		3.00
			Upponi	Upponi	4	8.00		1.20
				Saralagi	3	6.00		0.90
				Mahime	10	20.00		3.00
			Nagarbastikeri	Nagarbastikeri	15	30.00		4.50
			Kelaginoor	Kelaginoor	6	12.00		1.80
				Gunavanthe	8	16.00		2.40
			Idagunji	Idagunji	5	10.00		1.50
				Malakod	10	20.00		3.00
			Balkur	Balkur	3	6.00		0.90
				Heggar	5	10.00		1.50
				Hinnuru	5	10.00		1.50
			Kodani	Kodani	5	10.00		1.50
				Anilgod	4	8.00		1.20
			Magod	Magod	10	20.00		3.00
			Kudrige	Kudrige	10	20.00		3.00
			Chittar	Chittar	5	10.00		1.50

					Dabbod	5	10.00		1.50
					Adukal	5	10.00		1.50
					Hadikal	10	20.00		3.00
					Asikere	10	20.00		3.00
			Manki (Halemat h)		Manki	2	4.00		0.60
			Manki		Manki	3	6.00		0.90
			Anantava di		Manki	10	20.00		3.00
					Kucchodi	10	20.00		3.00
					Herali	10	20.00		3.00
					Kota	10	20.00		3.00
					Tumbilu	10	20.00		3.00
					Total	467	934.00		140.10
					Shallow Wells				
			chandava r		chandavar	7	38.27		5.74
					Kadnir	6	32.80		4.92
					Mallapur	2	10.93		1.64
					Hodkeshiruru	2	10.93		1.64
			Kadatoka		Kadatoka	6	32.80		4.92
					Kekkar	7	38.27		5.74
			Navilgon e		Navilgone	7	38.27		5.74
					Vandoor	4	21.87		3.28
			Haldipur		Haldipur	12	65.60		9.84
			Karki		Karki -1	4	21.87		3.28
					Karki -2	4	21.87		3.28

				Salkod		Salkod	2	10.93		1.64
				Hosakuli		Hosakuli	5	27.33		4.10
						Baranki	2	10.93		1.64
				Mavinkurve		Mavinkurve	5	27.33		4.10
				Kasarkod		Kasarkod	2	10.93		1.64
						Hosapattan	2	10.93		1.64
						Apsarkonda	3	16.40		2.46
						Malakod	1	5.47		0.82
						Kucchodi	2	10.93		1.64
						Kota	2	10.93		1.64
						Tumbilu	2	10.93		1.64
						Total	89	486.53		72.98
						Taluk Total	644	3767.2		565.08
						Check Dams				
				Divagi		Divagi	1	20.00		3.00
						Antravalli	3	68.33		10.25
						Manaki	4	86.67		13.00
				Mirjan		Mirjan	2	45.00		6.75
						Mugvekhanvadi	4	91.67		13.75
						Nagur	6	141.67		21.25
						Yalavalli	3	65.00		9.75
					Chatrakurve	1	21.67		3.25	
				Kodkani		Kodkani	3	83.33		12.50
				Bargi		Bargi	1	25.00		3.75
						Kurigadde	3	71.67		10.75
						Betkuli	1	20.00		3.00
4)	Kumta	DOLR-MORD	PMKSY Watershed						5 Years	

				Hiregutti	Hiregutti	4	81.67		12.25
				Hiregutti	Kolimanjaguni	2	41.67		6.25
				Hiregutti	Morab	2	43.33		6.50
			Alakod		Hebbail	5	130.00		19.50
					Bellangi	3	70.00		10.50
					Alakod	4	93.33		14.00
					Anagundi	2	50.00		7.50
					Shiragunji	3	73.33		11.00
					Uppin Pattana	2	48.33		7.25
				Muroor	Muroor	3	78.33		11.75
			Kallabbe		Kallabbe	3	78.33		11.75
					Kandavalli	5	113.33		17.00
					Hosad	1	25.00		3.75
			Santeguli		Divalli	2	50.00		7.50
					Ullur Mata	3	78.33		11.75
					Hindabail	1	25.00		3.75
					Haravalli	1	23.33		3.50
					Abballi	1	23.33		3.50
			Soppin Hosalli		Soppin Hosalli	2	48.33		7.25
					Basolli	3	80.00		12.00
					Kalave	3	66.67		10.00
					Chimmolli	3	73.33		11.00
					Mudanalli	2	46.67		7.00
			Kujalli	Kujalli	4	95.00		14.25	
			Valagalli		Valagalli	1	25.00		3.75
					Harodi	1	25.00		3.75
					Kalakeri	1	25.00		3.75

			Devagiri	Devagiri	1	25.00		3.75
				Holegadde	1	25.00		3.75
				Halakar	1	23.33		3.50
			Hegade	Hegade	2	46.67		7.00
				TOTAL	104	2471.66		370.75
				farm Pond				
			Divagi	Divagi	5	16.67		2.50
				Antravalli	5	16.67		2.50
				Manaki	10	33.33		5.00
			Mirjan	Mirjan	5	16.67		2.50
				Mugvekhanvadi	10	33.33		5.00
				Nagur	20	66.67		10.00
				Yalavalli	10	33.33		5.00
				Chatrakurve	2	6.67		1.00
			Kodkani	Kodkani	3	10.00		1.50
			Bargi	Bargi	5	16.67		2.50
				Kurigadde	10	33.33		5.00
				Betkuli	10	33.33		5.00
			Hiregutti	Hiregutti	5	16.67		2.50
				Kolimanjaguni	5	16.67		2.50
				Morab	3	10.00		1.50
			Alakod	Hebbail	10	33.33		5.00
				Bellangi	10	33.33		5.00
				Alakod	10	33.33		5.00
				Anagundi	5	16.67		2.50
				Shiragunji	5	16.67		2.50

				Uppin Pattana	5	16.67		2.50
			Muroor	Muroor	10	33.33		5.00
				Alavalli	10	33.33		5.00
			Kallabbe	Kallabbe	10	33.33		5.00
				Kandavalli	10	33.33		5.00
				Hosad	10	33.33		5.00
			Santeguli	Divalli	10	33.33		5.00
				Ullur Mata	10	33.33		5.00
				Hindabail	5	16.67		2.50
				Haravalli	5	16.67		2.50
				Abballi	5	16.67		2.50
			Soppin Hosalli	Soppin Hosalli	4	13.33		2.00
				Basolli	4	13.33		2.00
				Kalave	10	33.33		5.00
				Chimmolli	10	33.33		5.00
				Mudanalli	5	16.67		2.50
			Kujalli	Kujalli	10	33.33		5.00
				Konalli	5	16.67		2.50
			Valagalli	Valagalli	5	16.67		2.50
				Harodi	5	16.67		2.50
				Kalakeri	5	16.67		2.50
			Devagiri	Devagiri	4	13.33		2.00
				Haranir	5	16.67		2.50
				Holegadde	4	13.33		2.00
			Kalabag	Kalabag	4	13.33		2.00
			Holana gadde	Holanagadde	2	6.67		1.00
				Halakar	4	13.33		2.00

			Kagal		Kagal	4	13.33		2.00
			Hegade		Hegade	5	16.67		2.50
					TOTAL	333	1110.00		166.50
					Open Well				
			Divagi		Divagi	5	41.67		6.25
				Antravalli	5	41.67		6.25	
				Manaki	5	41.67		6.25	
			Mirjan		Mirjan	5	41.67		6.25
				Mugvekhanvadi	5	41.67		6.25	
				Nagur	5	41.67		6.25	
				Yalavalli	4	33.33		5.00	
					Chatrakurve	4	33.33		5.00
			Kodkani		Kodkani	4	33.33		5.00
			Bargi		Bargi	4	33.33		5.00
				Kurigadde	4	33.33		5.00	
				Betkuli	4	33.33		5.00	
			Hiregutti		Hiregutti	5	41.67		6.25
				Kolimanjaguni	5	41.67		6.25	
				Morab	4	33.33		5.00	
			Alakod		Hebbail	4	33.33		5.00
				Bellangi	4	33.33		5.00	
				Alakod	4	33.33		5.00	
				Anagundi	4	33.33		5.00	
				Shiragunji	3	25.00		3.75	
				Uppin Pattana	2	16.67		2.50	
			Muroor		Muroor	2	16.67		2.50

				Alavalli	2	16.67		2.50
			Kallabbe	Kallabbe	2	16.67		2.50
				Kandavalli	3	25.00		3.75
				Hosad	3	25.00		3.75
				Divalli	3	25.00		3.75
			Santeguli	Ullur Mata	2	16.67		2.50
				Hindabail	2	16.67		2.50
				Haravalli	2	16.67		2.50
				Abballi	2	16.67		2.50
			Soppin Hosalli	Soppin Hosalli	2	16.67		2.50
				Basolli	2	16.67		2.50
				Kalave	4	35.00		5.25
				Chimmolli	3	25.00		3.75
				Mudanalli	2	16.67		2.50
			Kujalli	Kujalli	2	16.67		2.50
				Konalli	3	25.00		3.75
			Valagalli	Valagalli	2	16.67		2.50
				Harodi	2	16.67		2.50
				Kalakeri	2	16.67		2.50
			Devagiri	Devagiri	2	16.67		2.50
				Haranir	2	16.67		2.50
				Holegadde	2	16.67		2.50
			Kalabag	Kalabag	3	25.00		3.75
			Holana gadde	Holanagadde	4	35.00		5.25
				Halakar	4	35.00		5.25
			Baad	Baad	5	41.67		6.25
			Kagal	Kagal	5	41.67		6.25
			Hegade	Hegade	4	35.00		5.25

					TOTAL	167	1398.33		209.75
					Taluk Total	604	4980		747
5)	Siddapur	DOLR-MORD	PMKSY Watershed		Check dams				
					Igodu	1	26.67		4.00
					Nidagodu	2	53.33		8.00
					Bellatte	1	26.67		4.00
					Balekoppa	4	106.67		16.00
					Kalluru	2	53.33		8.00
				Kolsirsi	Kolasirsi	2	53.33		8.00
					Kunaje	2	53.33		8.00
				Bidrakan	Bidrakana	1	26.67		4.00
					Muttige	2	53.33		8.00
				Bedkani	Badkani	2	53.33		8.00
					Bankuli	1	26.67		4.00
					muttige	1	26.67		4.00
				Manmane	Manmane	2	53.33		8.00
					Malalavalli	2	53.33		8.00
					Hasvante	1	26.67		4.00
				Korlakai	Korlakai	2	53.33		8.00
					MalvaJiddi	2	53.33		8.00
					Musavalli	1	26.67		4.00
					Heggekoppa	2	53.33		8.00
				Halageri	Halageri	2	53.33		8.00
					Husur	1	26.67		4.00
					Menasi	2	53.33		8.00
					Padavanabailu	1	26.67		4.00
					kilara	1	26.67		4.00
				Bilagi	Bilagi	2	53.33		8.00
hosamanju	1	26.67			4.00				

5 years

					Sovinakoppa	2	53.33		8.00
				Sovinakoppa	Chapparamane	2	53.33		8.00
					Tarkhanda	1	26.67		4.00
					Neeragaru	1	26.67		4.00
				Itagi	Taragodu	1	26.67		4.00
					Itagi	1	26.67		4.00
					Gunjagodu	1	26.67		4.00
				Dodmane	Bilegodu	2	53.33		8.00
					Kodigadde	1	26.67		4.00
					Dodmane	2	53.33		8.00
					Kalakai	1	26.67		4.00
					Kounsale	1	26.67		4.00
					Neergodu	2	53.33		8.00
					Gijaguni	1	26.67		4.00
					Kibale	1	26.67		4.00
				Kyadagi	Kyadagi	2	53.33		8.00
					Mavinkodu	1	26.67		4.00
					Begar	1	26.67		4.00
					Sasiguli	1	26.67		4.00
					Ilimane	1	26.67		4.00
					Balagodu	1	26.67		4.00
					Hoovinamane	1	26.67		4.00
				Vazgodu	Vazgodu	2	53.33		8.00
					Danamav	1	26.67		4.00
					Kudagunda	1	26.67		4.00
					Suttalamane	1	26.67		4.00
					Kelaginamane	1	26.67		4.00
					Talekere	1	26.67		4.00
					Alavalli	2	53.33		8.00

					Hukkali	1	26.67		4.00
					Muttalli	2	53.33		8.00
			Harshikatta		Sampagodu	2	53.33		8.00
					Bhandarakeri	2	53.33		8.00
					Harsikatta	1	26.67		4.00
					Tyagali	1	26.67		4.00
			Thyagali		Kalenalli	1	26.67		4.00
					Moodalli	1	26.67		4.00
					Sheluru	1	26.67		4.00
					Kansoor	2	53.33		8.00
			Kansoor		Girigadde	1	26.67		4.00
					Arehalla	1	26.67		4.00
					Devisara	1	26.67		4.00
					Ghattikai	1	26.67		4.00
			Hasaragodu		Kodsara	1	26.67		4.00
					karjagi	1	26.67		4.00
					Balesara	1	26.67		4.00
					Halkani	1	26.67		4.00
			Herur		Umbalamane	1	26.67		4.00
					Analebailu	1	26.67		4.00
					Attimurdu	1	26.67		4.00
					Heggarane	1	26.67		4.00
			Heggarane		Hegge	1	26.67		4.00
					Hullunde	1	26.67		4.00
					Taresara	1	26.67		4.00
					Harigar	1	26.67		4.00
					hostota	1	26.67		4.00
			Nilkunda		Nilkunda	2	53.33		8.00
					Mulagunda	1	26.67		4.00

					Neeragan	1	26.67		4.00
					Kanchikai	1	26.67		4.00
					Manigar	1	26.67		4.00
			Thandagu ndi		Thandagundi	1	26.67		4.00
					Handyanematha	2	53.33		8.00
					Shivalamane	1	26.67		4.00
					Hukkali	1	26.67		4.00
					Total	122	3253.33		488.00
					farm Pond				
			Kangod		Kangod	12	24.00		3.60
					Igodu	6	12.00		1.80
					Nidagodu	7	14.00		2.10
					Bellatte	6	12.00		1.80
			Shiralagi		Shiralagi	6	12.00		1.80
					Kolagi	12	24.00		3.60
					Balekoppa	20	40.00		6.00
					Bikkalase	6	12.00		1.80
					mugaduru	6	12.00		1.80
					Kalluru	6	12.00		1.80
			Kolsirsi		Kolasirsi	6	12.00		1.80
					Kunaje	13	26.00		3.90
					Heggodmane	6	12.00		1.80
					Avaraguppa	6	12.00		1.80
			Bidrakan		Bidrakana	6	12.00		1.80
					Muttige	6	12.00		1.80
			Bedkani		Badkani	12	24.00		3.60
					Bankuli	12	24.00		3.60
					tyarsi	6	12.00		1.80
					muttige	6	12.00		1.80

					Manmane	12	24.00		3.60
				Manmane	Malalavalli	6	12.00		1.80
					Hosahalli	6	12.00		1.80
					Hasvante	6	12.00		1.80
				Korlakai	Korlakai	12	24.00		3.60
					MalvaJiddi	6	12.00		1.80
					Musavalli	6	12.00		1.80
					Heggekoppa	5	10.00		1.50
				Halageri	Halageri	5	10.00		1.50
					Husur	6	12.00		1.80
					Menasi	5	10.00		1.50
					Padavanabailu	6	12.00		1.80
					kilara	6	12.00		1.80
					hosamanju	3	6.00		0.90
					Kattekai	3	6.00		0.90
					Tarkhanda	3	6.00		0.90
					Neeragaru	2	4.00		0.60
				Itagi	Taragodu	3	6.00		0.90
					Itagi	3	6.00		0.90
					Gunjagodu	6	12.00		1.80
				Dodmane	Bilegodu	3	6.00		0.90
					Kodigadde	3	6.00		0.90
					Kalakai	3	6.00		0.90
					Kounsale	3	6.00		0.90
					Neergodu	3	6.00		0.90
				Kyadagi	Kyadagi	3	6.00		0.90
					Mavinkodu	2	4.00		0.60
					Gubbagodu	3	6.00		0.90
					Begar	3	6.00		0.90

					Sasiguli	3	6.00		0.90	
					Balagodu	3	6.00		0.90	
					Hoovinamane	3	6.00		0.90	
			Vazgodu		Vazgodu	3	6.00		0.90	
					Alavalli	2	4.00		0.60	
					Keremane	3	6.00		0.90	
					Hukkali	3	6.00		0.90	
			Harshikatt a		Muttalli	2	4.00		0.60	
					Sampagodu	2	4.00		0.60	
					Sheluru	3	6.00		0.90	
			Kansoor		Kansoor	3	6.00		0.90	
						Girigadde	2	4.00		0.60
						Arehalla	2	4.00		0.60
						Devisara	2	4.00		0.60
						Gavinagudda	2	4.00		0.60
						Kalkatte hunasekoppa	2	4.00		0.60
					Analebailu	3	6.00		0.90	
					Hullunde	3	6.00		0.90	
					Shivalamane	3	6.00		0.90	
					Huttagar	3	6.00		0.90	
					Total	354	708.00		106.20	
					Shallow Well					
			Kangod		Kangod	7	38.27		5.74	
						Igodu	6	32.80		4.92
						Nidagodu	2	10.93		1.64
						Bellatte	2	10.93		1.64
			Shiralagi		Shiralagi	6	32.80		4.92	
						Kolagi	7	38.27		5.74
						Balekoppa	7	38.27		5.74

					Bikkalase	6	32.80		4.92
					mugaduru	6	32.80		4.92
			Kavanchur		Kavanchur	7	38.27		5.74
					Arendur	7	38.27		5.74
					Nejjur	5	27.33		4.1
					Akkunje	5	27.33		4.1
					Kalluru	5	27.33		4.1
					Kolasirsi	5	27.33		4.1
			Kolsirsi		Kunaje	4	21.87		3.28
					Heggodmane	5	27.33		4.1
					Avaraguppa	5	27.33		4.1
					kasturu	5	27.33		4.1
					Bidrakan	12	65.60		9.84
			Bidrakan		Muttige	6	32.80		4.92
					Badkani	4	21.87		3.28
					Bankuli	4	21.87		3.28
					tyarsi	4	21.87		3.28
			Bedkani		muttige	4	21.87		3.28
					Manmane	2	10.93		1.64
					Malalavalli	5	27.33		4.1
					Hosahalli	5	27.33		4.1
					Hasvante	5	27.33		4.1
			Manmane		Korlakai	5	27.33		4.1
					MalvaJiddi	5	27.33		4.1
					Musavalli	2	10.93		1.64
					Heggekoppa	14	76.53		11.48
			Korlakai		Halageri	5	27.33		4.1
					Husur	5	27.33		4.1
					Menasi	5	27.33		4.1
			Halageri						

					Padavanabailu	5	27.33		4.1
					kilara	3	16.40		2.46
			Bilagi		Bilagi	5	27.33		4.1
					hosamanju	2	10.93		1.64
					Katte kai	4	21.87		3.28
					Sovinakoppa	6	32.80		4.92
			Sovinakoppa		Chapparamane	5	27.33		4.1
					Tarkhanda	2	10.93		1.64
					Neeragaru	3	16.40		2.46
			Itagi		Taragodu	2	10.93		1.64
					Itagi	5	27.33		4.1
					Gunjagodu	2	10.93		1.64
			Dodmane		Bilegodu	2	10.93		1.64
					Kodigadde	2	10.93		1.64
					Dodmane	6	32.80		4.92
					Kalakai	5	27.33		4.1
					Kounsale	5	27.33		4.1
					Neergodu	5	27.33		4.1
					Gijaguni	5	27.33		4.1
					Kibale	7	38.27		5.74
			Kyadagi		Kyadagi	5	27.33		4.1
					Mavinkodu	2	10.93		1.64
					Gubbagodu	2	10.93		1.64
					Begar	2	10.93		1.64
					Sasiguli	2	10.93		1.64
					Ilimane	2	10.93		1.64
					Balagodu	5	27.33		4.1
					Hoovinamane	3	16.40		2.46
			Vazgodu		Vazgodu	5	27.33		4.1

					Danamav	2	10.93		1.64
					Kudagunda	2	10.93		1.64
					Suttalamane	2	10.93		1.64
					Kelaginamane	2	10.93		1.64
					Talekere	2	10.93		1.64
					Alavalli	5	27.33		4.1
					Keremane	5	27.33		4.1
					Hukkali	4	21.87		3.28
				Harshikatt a	Muttalli	5	27.33		4.1
					Sampagodu	5	27.33		4.1
					Bhandarakeri	5	27.33		4.1
					Harsikatta	5	27.33		4.1
				Thyagali	Tyagali	5	27.33		4.1
					Kalenalli	2	10.93		1.64
					Sheegehalli	2	10.93		1.64
					Moodalli	2	10.93		1.64
					Sheluru	5	27.33		4.1
					Kodigadde	2	10.93		1.64
				Kansoor	Kansoor	2	10.93		1.64
					Girigadde	2	10.93		1.64
					Arehalla	2	10.93		1.64
					Devisara	2	10.93		1.64
					Gavinagudda	2	10.93		1.64
					Ghattikai	2	10.93		1.64
					Kalkatte hunasekoppa	2	10.93		1.64
				Hasaragod u	Kodsara	2	10.93		1.64
					Hasaragodu	7	38.27		5.74
					karjagi	2	10.93		1.64
					Balesara	2	10.93		1.64

					Halkani	2	10.93		1.64
			Herur		Umbalamane	2	10.93		1.64
					Balekoppa	2	10.93		1.64
					Analebailu	2	10.93		1.64
					Attimurdu	5	27.33		4.1
					Hegnuru	2	10.93		1.64
					Heggarane	2	10.93		1.64
				Heggarane		Hegge	2	10.93	
					Hullunde	2	10.93		1.64
					Taresara	2	10.93		1.64
					Harigar	2	10.93		1.64
					hostota	5	27.33		4.1
			Nilkunda		Nilkunda	5	27.33		4.1
					Mulagunda	2	10.93		1.64
					Neeragan	2	10.93		1.64
					Kanchikai	2	10.93		1.64
					Manigar	2	10.93		1.64
			Thandagundi		Thandagundi	5	27.33		4.1
					Handyanematha	5	27.33		4.1
					Shivalamane	5	27.33		4.1
					Hukkali	4	21.87		3.28
					Huttagar	5	27.33		4.1
					Total	459	2509.20		376.38
					Taluk Total	935	6470.53		970.58
6)	Haliya I				Check dams				
			Aralwad		Arlwad	1	27	5 years	4.00
					Hunswad	1	27		4.00
					Mundki	1	27		4.00
				Havagi	Havagi	1	27		4.00

				Magwad	1	27	4.00
				Guttigeri	1	27	4.00
				Muttalmuri	1	27	4.00
			Mangalwad	Ambodaga	1	27	4.00
			Belwatgi	Belwatagi	2	53	8.00
				Guledkoppa	1	27	4.00
			Buzurkanchanalli	Banasageri	2	45	6.70
				Hullatti	6	138	20.73
			Chibbalgeri	Alolli	4	93	13.95
				Chibbalgeri	3	59	8.81
				Guttibail	1	27	4.00
				Khamdolli	2	53	8.00
				Malwadi	2	39	5.92
			Janaga	Basawalli	2	53	8.00
			Kawalwad	Kawalwad	2	53	8.00
			Murukwad	Khurd Kanchanalli	1	27	4.00
			Nagashettikoppa	Dongrikop	1	27	4.00
				Golehalli	1	27	4.00
				Shivapur	2	53	8.00
			Tatwanagi	Jogankoppa	1	22	3.35
				Tatwanagi	3	48	7.18
			Gundolli	Ajminal	2	53	8.00
				Arshingeri	1	27	4.00
				Kalginkoppa	1	27	4.00

				Pura	2	53		8.00
			Kesarolli	Gadagera	1	27		4.00
				Gardolli	1	27		4.00
				Halasi	5	110		16.50
			Tattigeri	Tattigeri	2	53		8.00
				Bedarshirgur	1	27		4.00
			Bhagvati	Balshettikop	1	27		4.00
				Chotakanshirda	1	27		4.00
				Narnalli	1	27		4.00
				Rayapattan	1	27		4.00
			Modalgera	Ramapur	1	27		4.00
				Handli	1	27		4.00
			Ambewadi	Ambewadi	1	27		4.00
				Total	67	1648		247.14
				farm Pond				
			Aralwad	Arlwad	3	6		0.90
				Hunswad	2	4		0.60
				Mundki	3	6		0.90
				Satnalli	2	4		0.60
			Havagi	Havagi	2	4		0.60
				Kerwad	6	12		1.80
				Magwad	1	2		0.30
				Guttigeri	1	2		0.30
			Madnalli	Antrolli	2	4		0.60
				Dusagi	3	6		0.90
				Homnalli	2	4		0.60
				Madnalli	2	4		0.60
				Muttalmuri	1	2		0.30

			Mangalwad		Kalasapur	1	2		0.30
					Malwad	1	2		0.30
					Mangalwad	1	2		0.30
					Pala	1	2		0.30
			Tergaon		Tergaon	5	10		1.50
			Belwatgi		Belwatagi	2	4		0.60
					Guledkoppa	1	2		0.30
			Buzurkanchanalli		Banasageri	8	16		2.40
					Buzurkanchanalli	12	24		3.60
					Hullatti	6	12		1.80
					Gudnapur	1	2		0.30
					Chatranal	1	2		0.30
			Chibbalgeri		Alolli	4	8		1.20
					Chibbalgeri	2	4		0.60
					Khamdolli	2	4		0.60
					Malwadi	10	20		3.00
					Tegnalli	7	14		2.10
			Janaga		Basawalli	1	2		0.30
					Doddakoppa	1	2		0.30
					Janaga	1	2		0.30
					Nandigadda	1	2		0.30
					Benachinakoppa	1	2		0.30
			Kawalwad		Hampiholi	2	4		0.60
					Kawalwad	2	4		0.60
			Murukwad		Khurd Kanchanalli	2	4		0.60

				Mugadkoppa	1	2	0.30
				Murkwad	2	4	0.60
			Nagashett ikoppa	Golehalli	1	2	0.30
				Mundwad	2	4	0.60
				Nagshetikoppa	2	4	0.60
				Shivapur	2	4	0.60
			Tatwanagi	Ammankoppa	2	4	0.60
				Ghadiyal	2	4	0.60
				Jogankoppa	8	16	2.40
				Tatwanagi	7	14	2.10
			Gundolli	Ajminal	1	2	0.30
				Arshingeri	1	2	0.30
				Gundolli	3	6	0.90
				Kalginkoppa	2	4	0.60
				Kumbarkoppa	1	2	0.30
				Pura	1	2	0.30
				Tippingeri	4	8	1.20
			Kesarolli	Agasalkatta	1	2	0.30
				Ajgaon	1	2	0.30
				Domagera	1	2	0.30
				Gardolli	1	2	0.30
				Halasi	2	4	0.60
				Kesrolli	2	4	0.60
				Kurigadde	1	2	0.30
				Niralaga	2	4	0.60
			Sambrani	Bukkankoppa	5	10	1.50
				Karlkatta	2	4	0.60
				Nilwani	1	2	0.30

				Sambrani	12	24		3.60
			Tattigeri	Tattigeri	2	4		0.60
				Jatgahosur	1	2		0.30
			Alur	Alur	1	2		0.30
				Bedarshirgur	1	2		0.30
				Kerwad (Dandeli)	1	2		0.30
				Tatgera	1	2		0.30
			Ambikana gar	Ambikanagara	2	4		0.60
				Kegdai	1	2		0.30
			Bhagvati	Balshettikop	1	2		0.30
				Bhagawati	1	2		0.30
				Rayapattan	1	2		0.30
			Yadoga	Baloga	1	2		0.30
				Jawalli	2	4		0.60
				Satmani	1	2		0.30
				Harvalli	1	2		0.30
				Yadoga	2	4		0.60
			Modalger a	Bidrolli	2	4		0.60
				Ramapur	1	2		0.30
				Handli	1	2		0.30
				Modalgera	1	2		0.30
			Badakhan shirda	Harnoda	1	2		0.30
				Total	205	410		61.5
				Shallow Well				
			Aralwad	Mundki	1	5		0.82
			Mangalwa	Pala	1	5		0.82

				d						
				Tergaon		Tergaon	1	5		0.82
				Belwatgi		Belwatagi	1	5		0.82
				Buzurkanc hanalli		Buzurkanchanalli	1	5		0.82
						Kawalwad	1	5		0.82
				Nagashett ikoppa		Shivapur	1	5		0.82
				Tatwanagi		Tatwanagi	1	5		0.82
				Ambikana gar		Bommanalli	1	5		0.82
						Total	9	49		7.38
						Gokatte				
				Buzurkanc hanalli		Buzurkanchanalli	2	40.47		6.07
						Hullatti	1	27.67		4.15
						Chatranal	1	27.67		4.15
				Chibbalge ri		Malwadi	1	27.67		4.15
				Gundolli		Gundolli	2	25.67		3.85
						Pura	1	27.67		4.15
				Kesarolli		Halasi	3	82.73		12.41
				Sambrani		Karlkatta	1	12.87		1.93
						Total	12	272.40		40.9
						Taluk Total	293	2379.2		356.88
						Check dams				
7)	Yellap ur					Yallargadde	3	46.67	5 years	7.00
				Angod		angod	3	35.00		5.25
						Shistmudi	2	53.33		8.00

					Kallar	1	6.67		1.00	
					Darbekumbri	1	33.33		5.00	
					Kelaginpal	1	26.67		4.00	
					Angod	17	493.33		74.00	
					Bisgod	7	186.67		28.00	
			Chandaguli		Chandaguli	16	513.33		77.00	
					Hutkand	6	166.67		25.00	
			Madnur		Madnur	19	666.67		100.00	
						Domageri	5	113.33		17.00
						Kalsur	2	60.00		9.00
						Manganatavaregere	5	166.67		25.00
						Somanalli	1	25.33		3.80
						Hutkand	1	26.67		4.00
						Heggapur	2	40.00		6.00
			Hasanagi		Bommanalli	7	173.33		26.00	
						Malakoppa	4	106.67		16.00
						Bilki	4	106.67		16.00
						Anegundi	1	26.67		4.00
						Hasanagi	21	353.33		53.00
			Ummachagi		Jaddigadde	1	13.33		2.00	
						Balegadde	1	13.33		2.00
						Totadkallalli	1	13.33		2.00
						Hunasemane	1	13.33		2.00
						Mastibena	2	66.67		10.00
						Kanengahalli	2	66.67		10.00
						Sheegemane	2	66.67		10.00
						Kotemane	2	66.67		10.00
						Ummachagi	2	53.33		8.00
						Chavatti	1	33.33		5.00

					Haratekoppa	1	33.33		5.00
					Kangod	1	33.33		5.00
					Tarehalli	1	33.33		5.00
					Balegadde	1	33.33		5.00
					Belagundli	1	33.33		5.00
				Idagundi	Arabail (Beeragadde)	3	100.00		15.00
					Arabail	5	166.67		25.00
					Kodlagadde	9	200.00		30.00
					Kalase	6	200.00		30.00
					Idagundi	4	133.33		20.00
					Donagar	2	66.67		10.00
					Hansanagadde	2	66.67		10.00
					Gullapur	3	100.00		15.00
				Kannigeri	Kannadagal	3	69.60		10.44
					Chikkamavalli	4	66.67		10.00
					Belgeri	1	28.33		4.25
				Pattan panchayat	Yellapur	15	312.13		46.82
					Sahasralli	3	33.33		5.00
				DEHALLI	KEECHNALA	1	26.67		4.00
					DABBESAL	2	53.33		8.00
					KEECHNALA	1	33.33		5.00
					DABBESAL	1	33.33		5.00
					BALGAR	1	26.67		4.00
					DEVAS	2	66.67		10.00
					ATTOLI	1	33.33		5.00
					APPANNAMANE	2	66.67		10.00
					KURALMANE	1	33.33		5.00
					KUMBRAL	2	35.00		5.25
					AREGULI	2	35.00		5.25

					KOMBE	2	35.00		5.25
					GADDEMNAE	2	35.00		5.25
					DUGGANMANE	1	33.33		5.00
					DODDEREGULI	1	33.33		5.00
					BAJEBENA	1	33.33		5.00
					BAJEMANE	2	35.00		5.25
					MUDDEPAL	2	35.00		5.25
					HEGADEPAL	1	33.33		5.00
					UDDAMAKKI	2	33.33		5.00
					KARKINBAIL	2	33.33		5.00
					DEVAEGADDE	2	35.00		5.25
					BALKODL	2	33.33		5.00
					SARASUMANE	2	33.33		5.00
					HIRYALA	2	33.33		5.00
				MAVINMA NE	BAARE	3	80.00		12.00
					BENADGULE	1	33.33		5.00
					MAVINMANE	1	33.33		5.00
					BARE	4	120.00		18.00
					MAVINMANE	4	106.67		16.00
					MARAHALLI	2	60.00		9.00
					MAVINMANE	2	60.00		9.00
					BANADAGULE	1	26.67		4.00
					MAVINMANE	3	100.00		15.00
					BARE	3	86.67		13.00
				MAVINMANE	5	166.67		25.00	
				VAJRALLI	HONNAGADDE	1	26.67		4.00
					JOGALEPAL	1	26.67		4.00
					TELANGAR	2	53.33		8.00
					HONNAGADDE	1	33.33		5.00

					CHIMNALLI	2	66.67		10.00
					TELANGAR	4	133.33		20.00
					AMBAGAV	1	33.33		5.00
					TARGAAR	2	66.67		10.00
					BAGINKATTA	2	66.67		10.00
			Chandaguli		Hutkand	1	66.67		10.00
					Total	295	7908.73		1186.31
					Staggelled Trench				
			Angod		angod	1	3.33		0.50
					Shistmudi	5	16.67		2.50
					Kallar	1	3.33		0.50
					Bisgal	1	3.33		0.50
					Donigadde	1	3.33		0.50
					Gaveguli	1	3.33		0.50
					Kombemane	1	3.33		0.50
					Angod	49	163.33		24.50
					Honnebail	1	3.33		0.50
					Bisgod	5	13.33		2.00
					Tatagar	2	6.67		1.00
					savagadde	1	3.33		0.50
				Chandaguli		Chandaguli	8	26.67	
					Hutkand	2	6.67		1.00
					Malalagaon	3	10.00		1.50
			Madnur		Madnur	4	56.67		8.50
					Manganatavaregere	2	6.67		1.00
					Heggapur	1	13.33		2.00
			Hasanagi		Bommanalli	3	20.00		3.00
					Bilki	4	20.00		3.00

					Hasanagi	1	6.67		1.00
			Idagundi		Idagundi	2	6.67		1.00
					Hansanagadde	2	6.67		1.00
					Kannadagal		6.67		1.00
			Kannigeri		Chikkamavalli	1	3.33		0.50
					Mavalli	1	3.33		0.50
					Telageri	1	3.33		0.50
					Kodase	2	3.33		0.50
					BALAGAR	3	10.00		1.5
			DEHALLI		VADAMAV	3	10.00		1.50
					SHINDRAMANE	4	13.33		2.00
					KASHIMANE	6	20.00		3.00
					KEDAAR	5	16.67		2.50
					MULETOTA	6	20.00		3.00
					ATTOLI	3	10.00		1.50
					ATTAGAR	4	13.33		2.00
					DEVAS	5	16.67		2.50
					KALMANE	5	16.67		2.50
					SHALEGUDDE	5	16.67		2.50
					BELLIGUDDE	4	13.33		2.00
					MARIMANE	3	10.00		1.50
					VASEMANE	5	16.67		2.50
					HALLIMANE	6	20.00		3.00
					KURALMANE	4	13.33		2.00
					SHIDRAMANE	4	13.33		2.00
					GUDDETOTA	4	13.33		2.00
				UJALBAIL	4	13.33		2.00	
				KANCHINGADDE	8	26.67		4.00	
				JAGALIMANE	3	10.00		1.50	

					KESANKUMBRI	5	16.67		2.50
					HIREMATH	4	13.33		2.00
					ANGADIGUDDE	5	16.67		2.50
					GUDMATTI	3	10.00		1.50
					KATTIGADDE	5	16.67		2.50
					KUMBRAL	6	20.00		3.00
					KOTEMANE	8	26.67		4.00
					GUMMANIMANE	10	33.33		5.00
					TAMADIMANE	9	30.00		4.50
					NUKANGADDE	4	13.33		2.00
					BALEKODLA	4	13.33		2.00
					MENASUMANE	5	16.67		2.50
					SATODDI	4	13.33		2.00
					HUDLEGADDE	6	20.00		3.00
					HOLIYAL	8	26.67		4.00
					AREGULI	6	20.00		3.00
					KOMBE	9	30.00		4.50
					GADDEMNAE	12	40.00		6.00
					DUGGANMANE	15	50.00		7.50
					DODDEREGULI	5	16.67		2.50
					BAJEBENA	6	20.00		3.00
					BAJEMANE	4	13.33		2.00
					MUDDEPAL	12	40.00		6.00
					HEGADEPAL	8	26.67		4.00
					UDDAMAKKI	6	20.00		3.00
					KARKINBAIL	8	26.67		4.00
					GERAL	4	13.33		2.00
					GHATKIMANE	6	20.00		3.00
					DEVAEGADDE	9	30.00		4.50

					BALKODL	10	33.33		5.00
					MAINS CAMP	5	16.67		2.50
					SARASUMANE	6	20.00		3.00
					HULIPAL	5	16.67		2.50
					HIRYALA	2	6.67		1.00
					BAARE	1	3.33		0.50
					BENADGULE	2	6.67		1.00
				MAVINMA NE	MAVINMANE	4	13.33		2.00
					BARE	1	3.33		0.50
					MAVINMANE	1	3.33		0.50
					BARE	2	6.67		1.00
					BENADAGULE	1	3.33		0.50
					Total	436	1526.67		229.00
					Gyabin dam				
				Angod	Bisgod	1			0.00
				Madnur	Manganatavaregere	2			2.00
				Hasanagi	Hasanagi	3			9.00
					Total	6			11
					Taluk Total	737	9435		1426
					Check Dam				
8)	Ankola				Gundabal	16	492.67		73.90
				Hillur	Hillur	4	133.33		20.00
					Mogata	1	25.93		3.89
				Mogata	Moralli	4	82.53		12.38
					Kenkanishivapura	6	120.13	5 years	18.02
					Belase	1	33.13		4.97
				Belase	Talagadde	4	130.33		19.55
					Shiroor	3	66.67		10.00
				Alageri	Bogribail	4	133.33		20.00

				Baleguli	1	30.00	4.50
				Berade	1	30.00	4.50
			Agasur	Adlur	2	63.33	9.50
			Vasarkudr agi	Shirgunji	2	66.67	10.00
			Sunkasal	Sunkasal	7	208.33	31.25
				Hebbula	3	90.00	13.50
				kodlagadde	5	144.00	21.60
				Hebbul	6	175.00	26.25
			Haravada	Haravada	3	100.00	15.00
			Manjahun i	Manjaguni	3	133.33	20.00
			Dongri	Dongri	10	305.00	45.75
				Halavalli	4	105.33	15.80
				Kalleshwara	3	90.00	13.50
				Bidralli	5	161.67	24.25
				Heggarmakkigadde	6	194.53	29.18
				Chikkanahalli	2	60.00	9.00
				Heggarani	4	63.33	9.50
			Achave	Achave	6	169.33	25.40
				Kuntakani	2	63.33	9.50
				Mabagi	1	30.00	4.50
				Manigadde	4	107.33	16.10
				Vaidya heggar	2	66.67	10.00
			Agasur	Marugadde	3	100.00	15.00
			Belase	Talagadde	4	130.33	19.55
			Vasarkudr agi	Vasre	1	33.33	5.00
				Mavinagadde	1	33.33	5.00
				Kudrige	1	33.33	5.00

					MelinguLi	1	33.33		5.00
					Total	136	4039		605.84
					Form pound				
			Hillur		Gundabal	10	28.69		4.3036
					Open Well				
			Mogata		Kenkanishivapura	3	16.00		2.40
			Haravada		Haravada	1	33.33		5.00
			Manjahun i		Manjaguni	4	106.67		16.00
					Total	8	156.00		23.4
					Recharge pit				
			Mogata		Kenkanishivapura	6	20.40		3.06
					Disilting				
			Haravada		Haravada	6	192.67		28.90
			Belambar		Honnebail	1	33.33		5.00
			Harawada		Harawada	2	62.67		9.40
			Vasarkudr agi		MelinguLi	9	287.33		43.10
			Manjahun i		Manjaguni	2	66.67		10.00
					Total	20.00	642.67		96.40
					Taluk Total	180.0 0	4886.69		733.00
9)	Sirsi				Farms Ponds				
			Unchalli		Uppalekoppa	5	16.67	5 years	2.50
				Unchalli	5	16.67	2.50		
				Kabbe	5	16.67	2.50		
				Kanakoppa	5	16.67	2.50		
				Mariguddi	5	16.67	2.50		

				Kalli	5	16.67		2.50
				Koppa	5	16.67		2.50
			Bankanal.	Gonur	5	16.67		2.50
				Ummadi	5	16.67		2.50
			Sugavi	Gadigeri	5	16.67		2.50
				Sugavi	5	16.67		2.50
				Hallikoppa	5	16.67		2.50
				Gadihalli	5	16.67		2.50
			Banavasi	Kadgod	5	16.67		2.50
			Bisalkopp a	Bisalkoppa	5	16.67		2.50
				Hudelkoppa	5	16.67		2.50
				Kuppalli	5	16.67		2.50
				Benagi	5	16.67		2.50
			Gudnapur	Gudnapur	5	16.67		2.50
			Bhairumb e	Belale	5	16.67		2.50
				Malenalli	5	16.67		2.50
				Bhairumbe	5	16.67		2.50
				Sadashivalli	5	16.67		2.50
				Devarakopp	5	16.67		2.50
			Taragod	Dasanagadde	5	16.67		2.50
			Itaguli	Itaguli	5	16.67		2.50
			MelinaOni keri	Singanalli	4	13.33		2.00
			Sonda	Sonda	5	16.67		2.50
			Hulekal	Hulekal	5	16.67		2.50
				Nakshe	4	13.33		2.00
			Vanalli	Vanalli	5	16.67		2.50
				Guruvalli	5	16.67		2.50
			Kodanaga	Kodanagadde	4	13.33		2.00

			dde		Sonagimane	5	16.67		2.50
			Kanagod		Balagar	5	16.67		2.50
					Taddalase	4	13.33		2.00
					Hosagadde	5	16.67		2.50
					Kokke	5	16.67		2.50
				Hutgar		Manajavalli	5	16.67	
			Neggu		Bommanalli	5	16.67		2.50
					Kodgibail	5	16.67		2.50
					Hallusargi	5	16.67		2.50
					Neggu	5	16.67		2.50
			Hunsekop pa		HutanJanmane	5	16.67		2.50
					Hanumanthi	5	16.67		2.50
					Hunasekoppa	5	16.67		2.50
					YHD	5	16.67		2.50
					Kalave	5	16.67		2.50
			Bandal		Badagi	5	16.67		2.50
					Balekoppa	5	16.67		2.50
			Manjaguni		Khoorse	5	16.67		2.50
					Teppar	5	16.67		2.50
					Manjaguni	5	16.67		2.50
			Dodnalli		Achanalli	5	16.67		2.50
					Dodnalli	5	16.67		2.50
					Husari	5	16.67		2.50
					Byagadde	5	16.67		2.50
					Landakanalli	4	13.33		2.00
					Bachagoan	4	13.33		2.00
			Isalur		Isalur	5	16.67		2.50
					Hebballi	5	16.67		2.50
			Kanagod		Kangod	4	13.33		2.00

				Harugar	4	13.33		2.00
				Ajjibal	4	13.33		2.00
			Kulve	Kulave	4	13.33		2.00
				Terakanalli	4	13.33		2.00
			Yadalli	Yadalli	4	13.33		2.00
				Baroor	4	13.33		2.00
				Total	327	1090.00		163.50
				Percolation Tanks				
			Unchalli	Uppalekoppa	1	3.33		0.5
				Unchalli	1	3.33		0.5
				Kabbe	1	3.33		0.5
				Kanakoppa	1	3.33		0.5
				Mariguddi	1	3.33		0.5
				Kalli	1	3.33		0.5
				Koppa	1	3.33		0.5
			Bankanal.	Gonur	1	3.33		0.5
			Sugavi	Gadigeri	1	3.33		0.5
				Sugavi	1	3.33		0.5
				Gadihalli	1	3.33		0.5
			Banavasi	Kadgod	1	3.33		0.5
			Bisalkoppa	Bisalkoppa	1	3.33		0.5
				Hudelkoppa	1	3.33		0.5
			Bhairumb	Belale	1	3.33		0.5
				Malenalli	1	3.33		0.5
			Taragod	Dasanagadde	1	3.33		0.5
			Itaguli	Itaguli	1	3.33		0.5
			MelinaOnikeri	Singanalli	1	3.33		0.5
			Sonda	Sonda	1	3.33		0.5

Hulekal	Hulekal	1	3.33	0.5
	Nakshe	1	3.33	0.5
Vanalli	Vanalli	1	3.33	0.5
	Guruvalli	1	3.33	0.5
Kodanagadde	Kodanagadde	1	3.33	0.5
Neggu	Bommanalli	1	3.33	0.5
	Kodgibail	1	3.33	0.5
	Hallusargi	1	3.33	0.5
	Neggu	1	3.33	0.5
Hunsekoppa	HutanJanmane	1	3.33	0.5
	Hanumanthi	1	3.33	0.5
	Hunasekoppa	1	3.33	0.5
	YHD	1	3.33	0.5
	Kalave	1	3.33	0.5
Bandal	Badagi	1	3.33	0.5
	Balekoppa	1	3.33	0.5
Manjaguni	Khoorse	1	3.33	0.5
	Teppar	1	3.33	0.5
	Manjaguni	1	3.33	0.5
Dodnalli	Achanalli	1	3.33	0.5
	Dodnalli	1	3.33	0.5
	Husari	1	3.33	0.5
	Byagadde	1	3.33	0.5
	Landakanalli	1	3.33	0.5
	Bachagoan	1	3.33	0.5
Isalur	Isalur	1	3.33	0.5
	Hebballi	1	3.33	0.5
Kanagod	Kangod	1	3.33	0.5

					Harugar	1	3.33		0.5	
					Ajjibal	1	3.33		0.5	
			Kulve		Kulave	1	3.33		0.5	
					Terakanalli	1	3.33		0.5	
			Yadalli		Yadalli	1	3.33		0.5	
					Baroor	1	3.33		0.5	
					Total	54	180.00		27.00	
					Other Ground Water Recharge Structure					
			Unchalli		Uppalekoppa	1	6.67		1.00	
						Unchalli	1	6.67		1.00
						Kabbe	1	6.67		1.00
						Kanakoppa	1	6.67		1.00
						Mariguddi	1	6.67		1.00
						Kalli	1	6.67		1.00
						Koppa	1	6.67		1.00
			Bankanal.		Gonur	1	6.67		1.00	
			Sugavi		Gadigeri	1	6.67		1.00	
						Sugavi	1	6.67		1.00
						Gadihalli	1	6.67		1.00
			Banavasi		Kadgod	1	6.67		1.00	
			Bisalkoppa		Bisalkoppa	1	6.67		1.00	
						Hudelkoppa	1	6.67		1.00
			Bhairumb e		Belale	1	6.67		1.00	
						Malenalli	1	6.67		1.00
			Taragod		Dasanagadde	1	6.67		1.00	
			Itaguli		Itaguli	1	6.67		1.00	
			MelinaOni keri		Singanalli	1	6.67		1.00	

			Sonda		Sonda	1	6.67		1.00
			Hulekal		Hulekal	1	6.67		1.00
					Nakshe	1	6.67		1.00
			Vanalli		Vanalli	1	6.67		1.00
					Guruvalli	1	6.67		1.00
			Kodanagadde		Kodanagadde	1	6.67		1.00
			Neggu		Bommanalli	1	6.67		1.00
					Kodgibail	1	6.67		1.00
					Hallusargi	1	6.67		1.00
					Neggu	1	6.67		1.00
			Hunsekoppa		HutanJanmane	1	6.67		1.00
					Hanumanthi	1	6.67		1.00
					Hunasekoppa	1	6.67		1.00
					YHD	1	6.67		1.00
					Kalave	1	6.67		1.00
			Bandal		Badagi	1	6.67		1.00
					Balekoppa	1	6.67		1.00
			Manjaguni		Khoorse	1	6.67		1.00
					Teppar	1	6.67		1.00
					Manjaguni	1	6.67		1.00
			Dodnalli		Achanalli	1	6.67		1.00
					Dodnalli	1	6.67		1.00
					Husari	1	6.67		1.00
					Byagadde	1	6.67		1.00
					Landakanalli	1	6.67		1.00
					Bachagoan	1	6.67		1.00
			Isalur		Isalur	1	6.67		1.00
					Hebballi	1	6.67		1.00

				Kanagod	Kangod	1	6.67		1.00
					Harugar	1	6.67		1.00
					Ajjibal	1	6.67		1.00
				Kulve	Kulave	1	6.67		1.00
					Terakanalli	1	6.67		1.00
				Yadalli	Yadalli	1	6.67		1.00
					Baroor	1	6.67		1.00
						Total	54	360.00	54.00
						Fishery ponds/cattle pond			
				Unchalli	Uppalekoppa	1	26.67		4.00
					Unchalli	1	26.67		4.00
					Kabbe	1	26.67		4.00
					Kanakoppa	1	26.67		4.00
					Mariguddi	1	26.67		4.00
					Kalli	1	26.67		4.00
					Koppa	1	26.67		4.00
				Bankanal.	Gonur	1	26.67		4.00
				Sugavi	Gadigeri	1	26.67		4.00
					Sugavi	1	26.67		4.00
					Gadihalli	1	26.67		4.00
				Banavasi	Kadgod	1	26.67		4.00
				Bisalkoppa	Bisalkoppa	1	26.67		4.00
					Hudelkoppa	1	26.67		4.00
				Bhairumb e	Belale	1	26.67		4.00
					Malenalli	1	26.67		4.00
				Taragod	Dasanagadde	1	26.67		4.00
				Itaguli	Itaguli	1	26.67		4.00
MelinaOni keri	Singanalli	1	26.67		4.00				

			Sonda		Sonda	1	26.67		4.00
			Hulekal		Hulekal	1	26.67		4.00
					Nakshe	1	26.67		4.00
			Vanalli		Vanalli	1	26.67		4.00
					Guruvalli	1	26.67		4.00
			Kodanagadde		Kodanagadde	1	26.67		4.00
			Neggu		Bommanalli	1	26.67		4.00
					Kodgibail	1	26.67		4.00
					Hallusargi	1	26.67		4.00
					Neggu	1	26.67		4.00
			Hunsekoppa		HutanJanmane	1	26.67		4.00
					Hanumanthi	1	26.67		4.00
					Hunasekoppa	1	26.67		4.00
					YHD	1	26.67		4.00
					Kalave	1	26.67		4.00
			Bandal		Badagi	1	26.67		4.00
					Balekoppa	1	26.67		4.00
			Manjaguni		Khoorse	1	26.67		4.00
					Teppar	1	26.67		4.00
					Manjaguni	1	26.67		4.00
			Dodnalli		Achanalli	1	26.67		4.00
					Dodnalli	1	26.67		4.00
					Husari	1	26.67		4.00
					Byagadde	1	26.67		4.00
					Landakanalli	1	26.67		4.00
					Bachagoan	1	26.67		4.00
			Isalur		Isalur	1	26.67		4.00
					Hebballi	1	26.67		4.00

Kanagod	Kangod	1	26.67	4.00
	Harugar	1	26.67	4.00
	Ajjibal	1	26.67	4.00
Kulve	Kulave	1	26.67	4.00
	Terakanalli	1	26.67	4.00
Yadalli	Yadalli	1	26.67	4.00
	Baroor	1	26.67	4.00
	Total	54	1440.00	216.00
	Check Dams/VD's			
	Kanakoppa	3	100.00	15.00
	Mariguddi	4	133.33	20.00
	Kalli	2	66.67	10.00
	Koppa	2	66.67	10.00
Bankanal.	Gonur	3	100.00	15.00
	Ummadi	2	66.67	10.00
	Sugavi	4	133.33	20.00
	Hallikoppa	2	66.67	10.00
Banavasi	Kadgod	1	33.33	5.00
Bisalkopp a	Bisalkoppa	3	100.00	15.00
	Hudelkoppa	1	33.33	5.00
	Kuppalli	2	66.67	10.00
	Benagi	2	66.67	10.00
Gudnapur	Gudnapur	2	66.67	10.00
Bhairumb e	Belale	1	33.33	5.00
	Bhairumbe	4	133.33	20.00
	Sadashivalli	1	33.33	5.00
	Devarakopp	2	66.67	10.00
Taragod	Dasanagadde	1	33.33	5.00
MelinaOni	Singanalli	2	66.67	10.00

			keri					
			Sonda	Sonda	5	166.67		25.00
			Vanalli	Vanalli	2	66.67		10.00
				Guruvalli	1	33.33		5.00
			Kanagod	Balagar	2	66.67		10.00
				Hosagadde	2	66.67		10.00
				Kokke	1	33.33		5.00
			Hutgar	Manajavalli	2	66.67		10.00
			Neggu	Bommanalli	2	66.67		10.00
				Kodgibail	2	66.67		10.00
				Hallusargi	1	33.33		5.00
				Hanumanthi	1	33.33		5.00
				Hunasekoppa	1	33.33		5.00
				YHD	1	33.33		5.00
				Kalave	3	100.00		15.00
			Manjaguni	Khoorse	1	33.33		5.00
				Teppar	1	33.33		5.00
			Shivalli	Kanalli	1	33.33		5.00
				Shvalli	8	266.67		40.00
				Kambigar	2	66.67		10.00
			Dodnalli	Achanalli	1	33.33		5.00
				Dodnalli	2	66.67		10.00
				Husari	1	33.33		5.00
				Byagadde	1	33.33		5.00
				Landakanalli	1	33.33		5.00
				Bachagoan	1	33.33		5.00
			Isalur	Isalur	2	66.67		10.00
				Hebballi	1	33.33		5.00
			Kanagod	Kangod	1	33.33		5.00

				Kulve		Kulave	2	66.67		10.00
						Total	96	3200.00		480.00
						Taluk Total	585	6270		940.5
1	Joida					Check Dams			5	
0)				Akheti		Akheti	1	26.67	years	4.00
						Anamod	2	26.67		4.00
						Devulli(Tinai)	3	53.33		8.00
						Karambal	1	26.67		4.00
						Palada	2	26.67		4.00
						Payasavadi	2	53.33		8.00
						Rangarook	1	26.67		4.00
						Varlewadi	1	26.67		4.00
						Viranjol	1	26.67		4.00
						Vatla	1	26.67		4.00
				Anshi		Anshi	1	26.67		4.00
						Badpoli	2	53.33		8.00
						Nigundi	1	26.67		4.00
						Nujji	2	53.33		8.00
				Asu		Asu	1	26.67		4.00
						Boregali	1	26.67		4.00
						Bori	1	26.67		4.00
						Chadawadi	1	26.67		4.00
						Chapali	1	26.67		4.00
						Durg	1	26.67		4.00
						Kamra	1	26.67		4.00
						Konshet	1	26.67		4.00
						Shindholi	1	26.67		4.00
						Varande	1	26.67		4.00
				Aveda		Ambeli	1	26.67		4.00

					Aveda	1	26.67		4.00
					Badgund	2	53.33		8.00
					Mavalinge	2	53.33		8.00
			Bajarkona		Asulli	4	106.67		16.00
			nga		Bajarkonanga	2	53.33		8.00
					Bandoda	2	53.33		8.00
					Diggi	1	26.67		4.00
					Tadaki	2	53.33		8.00
			Jagalbet		Bamanawadi	2	53.33		8.00
					Jagalbet	1	26.67		4.00
					Kumbral	4	106.67		16.00
					Timbholi	3	80.00		12.00
					Vaini	3	80.00		12.00
			Joida		Choukanagali	1	26.67		4.00
					Chikalme	1	26.67		4.00
					Biroda	1	26.67		4.00
					Mulavati	1	26.67		4.00
					Nagarabavi	1	26.67		4.00
					Sitegali	1	26.67		4.00
					Santri	1	26.67		4.00
					Gouliwada	1	26.67		4.00
					Goudiwada	1	26.67		4.00
					Hudasa	1	26.67		4.00
					Ambratpali	1	26.67		4.00
					Bamanawadi	1	26.67		4.00
			Kalamboli		Kalambuli	3	80.00		12.00
					Kunigini	2	53.33		8.00
			Kateli		Deriya	4	106.67		16.00
					Kiravatti	3	80.00		12.00

					Teloli	4	106.67		16.00
					Godset	4	106.67		16.00
					Kalasai	2	53.33		8.00
					Kateli	2	53.33		8.00
					Gundre	2	53.33		8.00
				Nagoda	Katoli	1	26.67		4.00
					Patriwada	1	26.67		4.00
					Pakariwada	1	26.67		4.00
					Chapoli	1	26.67		4.00
					Sandve	1	26.67		4.00
					Chapakhanda	1	26.67		4.00
					Panjeli	1	26.67		4.00
					Nagoda	1	26.67		4.00
					Samjoida	1	26.67		4.00
					Titagali	1	26.67		4.00
				Nandigadde	Avurli	7	186.67		28.00
					Bedasagadde	5	133.33		20.00
					Chinchkhamd	4	106.67		16.00
					Gund	12	320.00		48.00
					Kariyadi	6	160.00		24.00
					Nandigadde	4	106.67		16.00
					Shevali	4	106.67		16.00
					Tammanagi	5	133.33		20.00
					Balagar	5	133.33		20.00
					Yaramukha	7	186.67		28.00
				Pradhani	Amagaom	2	53.33		8.00
					Birampali	2	53.33		8.00
					Gavegali	2	53.33		8.00
					Phansoli	5	133.33		20.00

					Pradhani	2	53.33		8.00
					Virnoli	3	80.00		12.00
				Ramanagar	Ramanagar	10	266.67		40.00
			Shingaraganv		Amshet	2	53.33		8.00
					Donshet	1	26.67		4.00
					Kasarwadi	2	53.33		8.00
					Kudalgaon	2	53.33		8.00
					Kurandi	2	53.33		8.00
					Malamba	2	53.33		8.00
					Mirashi Kumbeli	2	53.33		8.00
					Pusheli	1	26.67		4.00
					Shingargaon	2	53.33		8.00
					Vaijagaon	2	53.33		8.00
					Volif Kumbeli	2	53.33		8.00
				Ulvi		Amboli	2	53.33	
					Hebbel	1	26.67		4.00
					Kodthalli	2	53.33		8.00
					Neturga	1	26.67		4.00
					Shivapur	2	53.33		8.00
					Tulasgeri	1	26.67		4.00
					Ulavi	2	53.33		8.00
					Vadkal	1	26.67		4.00
			Gangoda		Gangoda	2	53.33		8.00
					Karambali	1	26.67		4.00
					Ambarda	1	26.67		4.00
					Ramdali	1	26.67		4.00
					Tinaikanda	1	26.67		4.00
					Anekanda	1	26.67		4.00

					Kambegali	1	26.67		4.00
					Devulli	1	26.67		4.00
					Gotakai	1	26.67		4.00
					Total	233	6213.33		932.00
					Go-Katte				
					Devulli(Tinai)	2	53.33		8.00
					Varlewadi	1	26.67		4.00
			Bajarkona		Asulli	2	53.33		8.00
			nga		Bajarkonanga	1	26.67		4.00
					Diggi	1	26.67		4.00
			Jagalbet		Bamanawadi	1	0.00		0.00
					Durgi	1	26.67		4.00
					Santri	1	26.67		4.00
			Kalamboli		Kalambuli	1	26.67		4.00
			Kateli		Deriya	1	26.67		4.00
					Teloli	1	26.67		4.00
					Godset	1	26.67		4.00
			Nagoda		Katoli	2	53.33		8.00
					Phansoli	2	53.33		8.00
			Ramanaga		Ramanagar	2	53.33		8.00
			r						
			Shingarag		Amshet	1	26.67		4.00
			anv		Usoda	1	26.67		4.00
					Vaijagaon	2	53.33		8.00
					Total	23	613.33		92.00
					Farm Ponds				
					Durgi	2	2.67		0.40
					Sitegali	1	1.33		0.20
			Kalamboli		Kalambuli	2	2.67		0.40

				Kateli	Deriya	1	1.33		0.20
					Kiravatti	1	1.33		0.20
					Teloli	1	1.33		0.20
					Godset	1	1.33		0.20
				Nagoda	Katoli	5	6.67		1.00
				Nandigadde	Avurli	8	16.00		2.40
					Bedasagadde	4	8.00		1.20
					Chinchkhamd	2	4.00		0.60
					Gund	15	30.00		4.50
					Kariyadi	5	10.00		1.50
					Nandigadde	5	10.00		1.50
					Shevali	6	12.00		1.80
					Tammanagi	6	10.67		1.60
					Balagar	7	14.00		2.10
					Yaramukha	7	14.00		2.10
					Phansoli	1	1.33		0.20
				Ramanagar	Ramanagar	10	13.33		2.00
				Shingaraganv	Amshet	3	4.00		0.60
					Kudalgaon	2	2.67		0.40
					Malamba	3	4.00		0.60
					Vaijagaon	2	2.67		0.40
					Total	100	175.33		26.30
					Taluk Total	356	7002		1050.3
1	Mundagod	DOLR			Farm Ponds			5	
1)				Bachanaki	Arishingeri	20	153.33	5	23.00
					Arishingeri				
					Arishnigeri				
				Nandikatt	Basapura	25	200.00		30.00

			a	Shivapura	4	33.33		5.00
			Indoor	Indoor	10	80.00		12.00
			Gunjavati	Baddigeri -I	25	200.00		30.00
				Baddigeri II				
			Pala	Koppadahalla -I	25	200.00		30.00
				Koppadahall II				
			Bachanaki	Bachanki II	18	140.00		21.00
			Indoor	Koppa	17	133.33		20.00
			Mundgod	Malaganakoppa	7	53.33		8.00
				Kalaganakoppa	15	120.00		18.00
			Chavadalli	Tamayanakoppa	10	80.00		12.00
			Gunjavati	Karavalli (Kusur)	10	80.00		12.00
			Chavadalli	Choudalli I (Teginakoppa)	10	80.00		12.00
				Choudalli -II				
				Andalgi	12	93.33		14.00
			Naganur	Hanumapura	12	93.33		14.00
				Kallahalli	15	120.00		18.00
			Bedsagan v	Shanavalli II	25	200.00		30.00
				Shanavalli II				
				Belambi I	23	180.00		27.00
				Sampekoppa				
				Belambi III				
				Chalageri	10	80.00		12.00
				Gandahalli	8	66.67		10.00
				Gandahalli I				
				Honnalli	8	66.67		10.00
				Hotgeri				
				Hotgeri II				

				Kyatanalli	8	66.67		10.00			
			Katuru	Alahalli (East)	15	120.00		18.00			
				Alahalli II (East)							
				Alahalli III (East)							
				Alahalli							
				Mudasali	10	80.00		12.00			
				Chigalli II	12	93.33		14.00			
				Chigalli I							
				Margadi	15	120.00		18.00			
				Margadi							
				Singnalli			8		66.67		10.00
				Katur			8		66.67		10.00
			Chigalli	Hirehalli	8	66.67		10.00			
			Naganur	Nagnur II	20	160.00		24.00			
				Nagnur I							
				Nagnur III							
				Oralagi	4	33.33		5.00			
				Hoskoppa							
				Kopparasikoppa							
			Pala	Pala	20	160.00		24.00			
				Total	437	3486.67		523.00			
				Check DAM							
			Bachanaki	Arishingeri	12	340.00		51.00			
				Arishingeri							
				Arishigeri							
			Nandikatt a	Basapura	6	173.33		26.00			
				Shivapura	3	86.67		13.00			
			Indoor	Indoor	3	86.67		13.00			

Gunjavati	Baddigeri -I	12	340.00	51.000
	Baddigeri II			
Pala	Koppadahalla -I	12	340.00	51.000
	Koppadahall II			
Bachanaki	Bachanki II	3	86.67	13.00
Indoor	Koppa	3	86.67	13.00
Mundgod	Malaganakoppa	2	60.00	9.00
	Kalaganakoppa	2	60.00	9.00
Chavadalli	Tamayanakoppa	2	60.00	9.00
Gunjavati	Karavalli (Kusur)	3	93.33	14.00
Chavadalli	Choudalli I (Teginakoppa)	4		17.00
	Choudalli -II			
	Andalgi	3	93.33	14.00
Naganur	Hanumapura	2	60.00	9.00
	Kallahalli	3	93.33	14.00
Bedsagan v	Shanavalli II	4		18.00
	Shanavalli II			
	Belambi I	4	120.00	18.00
	Sampekoppa			
	Belambi III			
Ummachigi	5	153.33	23.00	
Bedsagan v	Tenkal	2	60.00	9.00
	Kesinkodi	3	93.33	14.00
Katuru	Alahalli (East)	48.00		192.00
	Alahalli II (East)			
	Alahalli III (East)			
	Alahalli			

				Mudasali	3	93.33		14.00
				Singnalli	2	60.00		9.00
				Katur	3	93.33		14.00
			Chigalli	Hirehalli	2	60.00		9.00
				Oralagi	16.00	426.67		64.00
				Hoskoppa				
			Pala	Kopparasikoppa				
				Total	167.00	3220.00		710.00
				Cattle pond				
			Bachanaki	Arishingeri	5	1341		23
			Nandikatt a	Basapura	2	601.48		9
				Shivapura	1	306		0.5
			Gunjavati	Baddigeri -I	3	1570		14
			Pala	Koppadahalla -I	3	1324		14
			Bachanaki	Bachanki II	2	681		9
			Indoor	Koppa	2	844		9
			Mundgod	Malaganakoppa	2	574		9
				Kalaganakopp	3	702.91		14
			Chavadalli	Tamayanakoppa	3	563		14
			Gunjavati	Karavalli (Kusur)	3	461		14
			Chavadalli	Choudalli I (Teginakoppa)	3	680		14
				Andalgi	2	382		9
			Naganur	Hanumapura	2	396		9
				Kallahalli	3	436		14
			Bedsagan v	Shanavalli II	4	444		18
				Belambi I	4	448		18
				Ummachigi	5	634		23
			Bedsagan	Tenkal	3	516		14

				v	Kesinkodi	2	477		9	
				Naganur	Uchgeri	2	614		9	
					Chalageri	2	479		9	
					Gandahalli	3	636		14	
					Honnalli	2	540		9	
					Kyatanalli	2	517		9	
					Katuru	Alahalli (East)	2	170		9
				Mudasali		3	416		14	
					Chigalli II	3	563		14	
					Margadi	3	488		14	
					Singnalli	3	358		14	
					Katur	3	352		14	
				Chigalli	Hirehalli	4	517.6		18	
				Naganur	Nagnur II	4	425		18	
					Pala	4	350		18	
					Total	97	19807		440.5	
					Taluk Total	701.00	26513.66		1673.50	
District Total						5384	76447		9275.754	
1)	Bhatka I	DORD-MORD	Convergence with MGNREGA		Newly created			5 years		
						Water Conservation				
						Check Dams				
						Marukeri	1		5	3.00
						Haduvalli	1		5	3.00
						Hejjilu	1		5	3.00
						Kotakhanda	1		5	3.00
						Hutkala	1		5	3.00
						Kurandaruru	1		5	3.00
						Onibagilu	1		5	3.00
						Kuntavani	1		5	3.00

					Murakodu	1	5		3.00	
					Hudilu	1	5		3.00	
					Total	10	50		30.00	
					Farm Pond					
					Haduvalli	2	10		6.00	
					Haduvalli	1	5		1.00	
					Total	3	15		7.00	
					Taluk Total	13	65		37.00	
2)	Honna var	DORD-MORD	Convergence with MGNREGA		farm Pond			5		
				chandavar	chandavar	3			years	0.30
					Kadnir	4				0.40
					Mallapur	5				0.50
					Hodkeshiruru	4				0.40
				Kadatoka	Kadatoka	4				0.40
					Kekkar	3				0.30
				Kadle	Kadle	4				0.40
					Vandoor	4				0.40
					Nilkod	5				0.50
				Haldipur	Haldipur	5				0.50
					sankolli	5				0.50
				Karki	Karki -1	3				0.30
					Karki -2	3				0.30
				Salkod	Salkod	3				0.30
				Hosakuli	Hosakuli	3				0.30
				Mugwa	Mugwa	5				0.50
					Nagre	2				0.20
					Arolli	2				0.20
				Hadinbal	Hadinbal	3				0.30

				Mutta	3		0.30
				Baranki	2		0.20
		Chikkankod		Chikkankod	2		0.20
				Hirebail	2		0.20
				Hosagod	2		0.20
				Jankadkal	3		0.30
		Kharwa		Kharwa	2		0.20
				Kudla	3		0.30
		Mavinkurve		Mavinkurve	2		0.20
		Jalavalli		Jalavalli	2		0.20
				Keravalli	2		0.20
				Tumboli	2		0.20
		Herangadi		Herangadi	3		0.30
				Mudkani	2		0.20
		Upponi		Upponi	2		0.20
				Saralagi	2		0.20
				Mahime	2		0.20
		Nagarbastikeri		Nagarbastikeri	5		0.50
		Kelaginoor		Kelaginoor	2		0.20
				Gunavanthe	2		0.20
		Idagunji		Idagunji	2		0.20
				Malakod	2		0.20
		Balkur		Balkur	1		0.10
				Heggar	1		0.10

				Hinnuru	1		0.10
			Kodani	Kodani	1		0.10
				Anilgod	1		0.10
			Magod	Magod	3		0.30
			Kudrige	Kudrige	3		0.30
			Chittar	Chittar	2		0.20
				Dabbod	1		0.10
				Adukal	2		0.20
				Hadikal	2		0.20
				Asikere	2		0.20
			Manki (Halemat h)	Manki	1		0.10
			Manki	Manki	1		0.10
			Anantava di	Manki	3		0.30
				Kucchodi	2		0.20
				Herali	2		0.20
				Kota	2		0.20
				Tumbilu	2		0.20
				Total	154		15.40
				Shallow Well			
			chandava r	chandavar	3	6.60	0.99
				Kadnir	4	8.80	1.32
				Mallapur	2	4.40	0.66
				Hodkeshiruru	2	4.40	0.66
			Kadatoka	Kadatoka	4	8.80	1.32
				Kekkar	3	6.60	0.99

				Navilgone		Navilgone	3	6.60		0.99	
						Vandoor	4	8.80		1.32	
				Haldipur		Haldipur	3	6.60		0.99	
				Karki		Karki -1	4	8.80		1.32	
						Karki -2	4	8.80		1.32	
				Salkod		Salkod	2	4.40		0.66	
				Hosakuli		Hosakuli	5	11.00		1.65	
				Mavinkurve		Mavinkurve	5	11.00		1.65	
				Kasarkod		Kasarkod	2	4.40		0.66	
						Hosapattan	2	4.40		0.66	
						Apsarkonda	2	4.40		0.66	
						Malakod	1	2.20		0.33	
						Kucchodi	2	4.40		0.66	
						Kota	2	4.40		0.66	
						Tumbilu	2	4.40		0.66	
						Total	61	134.20		20.13	
						Taluk Total	215	134.2		35.53	
3)	Siddapur	DOLR MORD	Convergence with MGNREGA			farm Pond			5		
					Kangod		Kangod	3	4.00	years	0.60
							Igodu	4	5.33		0.80
							Nidagodu	5	6.67		1.00
							Bellatte	4	5.33		0.80
					Shiralagi		Shiralagi	4	5.33		0.80
							Kolagi	3	4.00		0.60
							Balekoppa	5	6.67		1.00
							Bikkalase	4	5.33		0.80
							mugaduru	4	5.33		0.80
						Kalluru	4	5.33		0.80	

			Kolsirsi		Kolasirsi	4	5.33		0.80
					Kunaje	4	5.33		0.80
					Heggodmane	5	6.67		1.00
					Avaraguppa	5	6.67		1.00
			Bidrakan		Bidrakana	5	6.67		1.00
					Muttige	5	6.67		1.00
			Bedkani		Badkani	3	4.00		0.60
					Bankuli	3	4.00		0.60
					tyarsi	5	6.67		1.00
					muttige	5	6.67		1.00
			Manman e		Manmane	3	4.00		0.60
					Malalavalli	5	6.67		1.00
					Hosahalli	5	6.67		1.00
					Hasvante	5	6.67		1.00
			Korlakai		Korlakai	3	4.00		0.60
					MalvaJiddi	5	6.67		1.00
					Musavalli	4	5.33		0.80
					Heggekoppa	3	4.00		0.60
			Halageri		Halageri	3	4.00		0.60
					Husur	5	6.67		1.00
					Menasi	4	5.33		0.80
					Padavanabailu	4	5.33		0.80
					kilara	4	5.33		0.80
					hosamanju	2	2.67		0.40
					Kattekai	2	2.67		0.40
					Tarkhanda	2	2.67		0.40
					Neeragaru	2	2.67		0.40
			Itagi		Taragodu	2	2.67		0.40

					Itagi	2	2.67		0.40
					Gunjagodu	5	6.67		1.00
			Dodmane		Bilegodu	2	2.67		0.40
					Kodigadde	2	2.67		0.40
					Kalakai	2	2.67		0.40
					Kounsale	2	2.67		0.40
					Neergodu	2	2.67		0.40
			Kyadagi		Kyadagi	2	2.67		0.40
					Mavinkodu	2	2.67		0.40
					Gubbagodu	2	2.67		0.40
					Begar	2	2.67		0.40
					Sasiguli	2	2.67		0.40
					Balagodu	2	2.67		0.40
					Hoovinamane	2	2.67		0.40
			Vazgodu		Vazgodu	2	2.67		0.40
					Alavalli	2	2.67		0.40
					Keremane	2	2.67		0.40
					Hukkali	2	2.67		0.40
			Harshikatta		Muttalli	2	2.67		0.40
					Sampagodu	2	2.67		0.40
					Sheluru	2	2.67		0.40
			Kansoor		Kansoor	2	2.67		0.40
					Girigadde	2	2.67		0.40
					Arehalla	2	2.67		0.40
					Devisara	2	2.67		0.40
					Gavinagudda	2	2.67		0.40
					Kalkatte hunasekoppa	2	2.67		0.40
					Analebailu	2	2.67		0.40

		Hullunde	2	2.67	0.40
		Shivalamane	2	2.67	0.40
		Huttagar	2	2.67	0.40
		Total	212	282.67	42.40
		Shallow Well			
Kangod		Kangod	3	6.60	0.99
		Igodu	4	8.80	1.32
		Nidagodu	2	4.40	0.66
		Bellatte	2	4.40	0.66
Shiralagi		Shiralagi	4	8.80	1.32
		Kolagi	3	6.60	0.99
		Balekoppa	3	6.60	0.99
		Bikkalase	4	8.80	1.32
		mugaduru	4	8.80	1.32
Kavanchur		Kavanchur	3	6.60	0.99
		Arendur	3	6.60	0.99
		Nejjur	5	11.00	1.65
		Akkunje	5	11.00	1.65
		Kalluru	5	11.00	1.65
Kolsirsi		Kolasirsi	5	11.00	1.65
		Kunaje	4	8.80	1.32
		Heggodmane	5	11.00	1.65
		Avaraguppa	5	11.00	1.65
		kasturu	5	11.00	1.65
Bidrakan		Bidrakana	3	6.60	0.99
		Muttige	4	8.80	1.32
Bedkani		Badkani	4	8.80	1.32
		Bankuli	4	8.80	1.32

				tyarsi	4	8.80		1.32
				muttige	4	8.80		1.32
		Manmane		Manmane	2	4.40		0.66
				Malalavalli	5	11.00		1.65
				Hosahalli	5	11.00		1.65
				Hasvante	5	11.00		1.65
		Korlakai		Korlakai	5	11.00		1.65
				MalvaJiddi	5	11.00		1.65
				Musavalli	2	4.40		0.66
				Heggekoppa	6	13.20		1.98
		Halageri		Halageri	5	11.00		1.65
				Husur	5	11.00		1.65
				Menasi	5	11.00		1.65
				Padavanabailu	5	11.00		1.65
				kilara	1	2.20		0.33
		Bilagi		Bilagi	5	11.00		1.65
				hosamanju	2	4.40		0.66
				Kattekai	4	8.80		1.32
		Sovinakoppa		Sovinakoppa	4	8.80		1.32
				Chapparamane	5	11.00		1.65
				Tarkhanda	2	4.40		0.66
				Neeragaru	3	6.60		0.99
		Itagi		Taragodu	2	4.40		0.66
				Itagi	5	11.00		1.65
				Gunjagodu	2	4.40		0.66
		Dodmane		Bilegodu	2	4.40		0.66
				Kodigadde	2	4.40		0.66

				Dodmane	4	8.80		1.32
				Kalakai	5	11.00		1.65
				Kounsale	5	11.00		1.65
				Neergodu	5	11.00		1.65
				Gijaguni	5	11.00		1.65
				Talekere	2	4.40		0.66
				Alavalli	5	11.00		1.65
				Keremane	5	11.00		1.65
				Hukkali	4	8.80		1.32
		Harshikatta		Muttalli	5	11.00		1.65
				Sampagodu	5	11.00		1.65
				Bhandarakeri	5	11.00		1.65
				Harsikatta	5	11.00		1.65
		Thyagali		Tyagali	5	11.00		1.65
				Kalenalli	2	4.40		0.66
				Sheegehalli	2	4.40		0.66
				Moodalli	2	4.40		0.66
				Sheluru	4	8.80		1.32
				Kodigadde	2	4.40		0.66
		Kansoor		Kansoor	2	4.40		0.66
				Girigadde	2	4.40		0.66
				Arehalla	2	4.40		0.66
				Devisara	2	4.40		0.66
				Gavinagudda	2	4.40		0.66
				Ghattikai	2	4.40		0.66
				Kalkatte hunasekoppa	2	4.40		0.66
		Hasaragodu		Kodsara	2	4.40		0.66

				Hasaragodu	3	6.60		0.99
				karjagi	2	4.40		0.66
				Balesara	2	4.40		0.66
				Halkani	2	4.40		0.66
			Herur	Umbalamane	2	4.40		0.66
				Balekoppa	2	4.40		0.66
				Analebailu	2	4.40		0.66
				Attimurdu	5	11.00		1.65
				Hegnuru	2	4.40		0.66
				Heggarane	2	4.40		0.66
			Heggarane	Hegge	2	4.40		0.66
				Hullunde	2	4.40		0.66
				Taresara	2	4.40		0.66
				Harigar	2	4.40		0.66
				hostota	5	11.00		1.65
			Nilkunda	Nilkunda	5	11.00		1.65
				Mulagunda	2	4.40		0.66
				Neeragan	2	4.40		0.66
				Kanchikai	2	4.40		0.66
				Manigar	2	4.40		0.66
			Thandagundi	Thandagundi	5	11.00		1.65
				Handyanematha	5	11.00		1.65
				Shivalamane	5	11.00		1.65
				Hukkali	4	8.80		1.32
				Huttagar	5	11.00		1.65
				Total	397	873.40		131.01
				Taluk Total	609	1156.07		173.41

4)	Sirsi	DOLR MORD	Convergence with MGNREGA		Shallow Wells			5 years	
				Unchalli	Uppalekoppa	1	10.00		1.50
					Unchalli	1	10.00		1.50
					Kabbe	1	10.00		1.50
					Kanakoppa	1	10.00		1.50
					Mariguddi	1	10.00		1.50
					Kalli	1	10.00		1.50
					Koppa	1	10.00		1.50
				Bankanal.	Gonur	1	10.00		1.50
				Sugavi	Gadigeri	1	10.00		1.50
					Sugavi	1	10.00		1.50
				Bhairumb e	Malenalli	1	10.00		1.50
					Belale	1	10.00		1.50
				Taragod	Targod	1	10.00		1.50
				Itaguli	Itaguli	1	10.00		1.50
				MelinOni keri	Singanalli	1	10.00		1.50
				Sonda	Sonda	1	10.00		1.50
				Hulekal	Hulekal	1	10.00		1.50
					Nakshe	1	10.00		1.50
				Vanalli	Vanalli	1	10.00		1.50
				Neggu	Bommanalli	1	10.00		1.50
					Kodgibail	1	10.00		1.50
					Hallusargi	1	10.00		1.50
	Neggu	1	10.00	1.50					
Bandal	Badagi	1	10.00	1.50					
Hunsekop pa	HutanJanmane	1	10.00	1.50					

				Hanumanthi	1	10.00	1.50
				Hunasekoppa	1	10.00	1.50
				YHD	1	10.00	1.50
				Kalave	1	10.00	1.50
			Dodnalli	Husari	1	10.00	1.50
				Byagadde	1	10.00	1.50
				Achanalli	1	10.00	1.50
				Dodnalli	1	10.00	1.50
			Isalur	Isalur	1	10.00	1.50
				Hebballi	1	10.00	1.50
			Kanagod	Kangod	1	10.00	1.50
			Kulve	Kulave	1	10.00	1.50
				Terakanalli	1	10.00	1.50
			Kanagod	Harugar	1	10.00	1.50
				Ajjibal	1	10.00	1.50
			Yadalli	Yadalli	1	10.00	1.50
				Baroor	1	10.00	1.50
			Dodnalli	Landakanalli	1	10.00	1.50
				Bachagoan	1	10.00	1.50
				Total	44	440.00	66.00
				Farma Pond			
			Unchalli	Uppalekoppa	5	16.67	2.50
				Unchalli	5	16.67	2.50
				Kabbe	5	16.67	2.50
				Kanakoppa	5	16.67	2.50
				Mariguddi	5	16.67	2.50
				Kalli	5	16.67	2.50
				Koppa	5	16.67	2.50
			Bankanal.	Gonur	5	16.67	2.50

			Sugavi	Gadigeri	5	16.67	2.50
				Sugavi	5	16.67	2.50
			Bhairumbe	Malenalli	5	16.67	2.50
				Belale	5	16.67	2.50
			Taragod	Targod	5	16.67	2.50
			Itaguli	Itaguli	5	16.67	2.50
			MelinOni keri	Singanalli	5	16.67	2.50
			Sonda	Sonda	5	16.67	2.50
			Hulekal	Hulekal	5	16.67	2.50
				Nakshe	5	16.67	2.50
			Vanalli	Vanalli	5	16.67	2.50
			Neggu	Bommanalli	5	16.67	2.50
				Kodgibail	5	16.67	2.50
				Hallusargi	5	16.67	2.50
				Neggu	5	16.67	2.50
			Bandal	Badagi	5	16.67	2.50
			Hunsekop pa	HutanJanmane	5	16.67	2.50
				Hanumanthi	5	16.67	2.50
				Hunasekoppa	5	16.67	2.50
				YHD	5	16.67	2.50
				Kalave	5	16.67	2.50
			Dodnalli	Husari	5	16.67	2.50
				Byagadde	5	16.67	2.50
				Achanalli	5	16.67	2.50
				Dodnalli	5	16.67	2.50
			Isalur	Isalur	5	16.67	2.50
				Hebballi	5	16.67	2.50

			Kanagod		Kangod	5	16.67		2.50
			Kulve		Kulave	5	16.67		2.50
					Terakanalli	5	16.67		2.50
			Kanagod		Harugar	5	16.67		2.50
					Ajjibal	5	16.67		2.50
			Yadalli		Yadalli	5	16.67		2.50
					Baroor	5	16.67		2.50
			Dodnalli		Landakanalli	5	16.67		2.50
					Bachagoan	5	16.67		2.50
					Total	220	733.33		110.00
					Gokatte				
			Unchalli		Uppalekoppa	1	13.33		2.00
					Unchalli	1	13.33		2.00
					Kabbe	1	13.33		2.00
					Kanakoppa	1	13.33		2.00
					Mariguddi	1	13.33		2.00
					Kalli	1	13.33		2.00
			Bankanal.		Gonur	1	13.33		2.00
			Sugavi		Gadigeri	1	13.33		2.00
					Sugavi	1	13.33		2.00
					Total	9	120.00		18.00
					Check Dams/VD's				
			Unchalli		Uppalekoppa	2	66.67		10.00
					Unchalli	2	66.67		10.00
					Kabbe	2	66.67		10.00
					Kanakoppa	2	66.67		10.00
					Mariguddi	2	66.67		10.00
					Kalli	2	66.67		10.00
					Koppa	2	66.67		10.00

				Bankanal.	Gonur	2	66.67		10.00	
				Sugavi	Gadigeri	2	66.67		10.00	
					Sugavi	2	66.67		10.00	
				Bhairumbe	Malenalli	2	66.67		10.00	
					Belale	2	66.67		10.00	
				Taragod	Taragod	2	66.67		10.00	
				Itaguli	Itaguli	2	66.67		10.00	
				MelinOni keri	Singanalli	2	66.67		10.00	
				Sonda	Sonda	2	66.67		10.00	
				Hulekal	Hulekal	2	66.67		10.00	
					Nakshe	1	33.33		5.00	
					Total	35	1166.67		175.00	
					Taluk total	308	2460		369.00	
5)	Kumta	DOLR MORD	Convergence with MGNREGA		Check dam			5		
						Divagi	1	20.00	years	3.00
						Antravalli	1	25.00		3.75
						Mirjan	1	25.00		3.75
						Nagur	2	48.33		7.25
						Kodkani	1	26.27		4.00
						Bargi	1	25.00		3.75
						Betkuli	1	23.33		3.50
						Hiregutti	1	23.33		3.50
						Kolimanjaguni	1	23.33		3.50
						Total	10	239.59		36.00
						Farma Pond				
						Divagi	5	16.67		2.50

					Antravalli	5	16.67		2.50
					Mirjan	5	16.67		2.50
					Kodkani	2	6.67		1.00
					Bargi	5	16.67		2.50
					Hiregutti	5	16.67		2.50
					Morab	2	6.67		1.00
					Kolimanjaguni	5	16.67		2.50
					Total	34	113.36		17.00
					Taluk total	44	352.95		53.00
6)	Haliyal	DOLR MORD	Convergence with MGNREGA		Farma Pond				
				Aralwad	Arlwad	1	1.33		0.20
					Hunswad	1	1.33		0.20
					Mundki	1	1.33		0.20
					Satnalli	1	1.33		0.20
				Havagi	Havagi	1	1.33		0.20
					Kerwad	1	1.33		0.20
					Magwad	1	1.33		0.20
				Madnalli	Antrolli	1	1.33		0.20
					Madnalli	1	1.33		0.20
					Muttalmuri	1	1.33		0.20
					Malwad	1	1.33		0.20
					Mangalawad	1	1.33		0.20
					Pala	1	1.33		0.20
				Tergaon	Tergaon	2	2.67		0.40
				Belwatgi	Belwatagi	1	1.33		0.20
				Buzurkan chanalli	Banasageri	1	1.33		0.20
					Buzurkanchanalli	1	1.33		0.20
					Hullatti	1	1.33		0.20

				Chibbalgeri	1	1.33	0.20
				Khamdolli	1	1.33	0.20
				Malwadi	1	1.33	0.20
				Tegnalli	1	1.33	0.20
			Janaga	Basawalli	1	1.33	0.20
				Doddakoppa	1	1.33	0.20
				Janaga	1	1.33	0.20
				Jataga	1	1.33	0.20
				Nandigadda	1	1.33	0.20
				Benachinakoppa	1	1.33	0.20
			Kawalwad	Hampiholi	1	1.33	0.20
				Kawalwad	1	1.33	0.20
			Murukwad	Khurd Kanchanalli	1	1.33	0.20
				Mugadkoppa	1	1.33	0.20
				Murkwad	1	1.33	0.20
			Nagashet tikoppa	Golehalli	1	1.33	0.20
				Mundwad	1	1.33	0.20
				Nagshetikoppa	1	1.33	0.20
				Shivapur	2	2.67	0.40
			Tatwanag i	Ammankoppa	1	1.33	0.20
				Ghadiyal	1	1.33	0.20
				Jogankoppa	1	1.33	0.20
				Tatwanagi	1	1.33	0.20
			Gundolli	Gundolli	1	1.33	0.20
				Kalginkoppa	1	1.33	0.20
			Kesarolli	Agasalkatta	1	1.33	0.20
				Gardolli	1	1.33	0.20

					Halasi	1	1.33		0.20
					Kesrolli	1	1.33		0.20
					Kyatangera	1	1.33		0.20
					Niralaga	1	1.33		0.20
				Sambrani	Karlkatta	1	1.33		0.20
					Nilwani	1	1.33		0.20
					Sambrani	1	1.33		0.20
				Tattigeri	Tattigeri	1	1.33		0.20
				Alur	Alur	1	1.33		0.20
					Bedarshirgur	1	1.33		0.20
				Ambikana gar	Bommanalli	1	1.33		0.20
					Kegdai	1	1.33		0.20
				Bhagvati	Bhagawati	1	1.33		0.20
				Yadoga	Jawalli	1	1.33		0.20
					Satmani	1	1.33		0.20
				Modalger a	Bidrolli	1	1.33		0.20
					Total	63	84		12.6
					Taluk total	63	84		12.6
					Farm Pond				
7)	Yellap ur	DOLR MORD	with Convergence with MGNREGA	Angod	Yallargadde	10	33.33	5 years	5.00
					angod	5	16.67		2.50
					Shistmudi	8	30.00		4.50
					Donigadde	1	6.67		1.00
					Angod	15	50.00		7.50
					Bisgod	2	6.67		1.00
				Chandagu li	Chandaguli	19	63.33		9.50

			Madnur		Madnur	9	83.33		12.50
					Domageri	13	86.67		13.00
					Heggapur	1	6.67		1.00
			Kundaragi		Kundaragi	10	66.67		10.00
					Bharatnalli	1	6.67		1.00
					Kannur	1	6.67		1.00
					Hemmadi	2	13.33		2.00
					bellambi	2	13.33		2.00
					uchageri	2	13.33		2.00
			Hasanagi		Bendegeri	2	13.33		2.00
					Bommanalli	5	33.33		5.00
					Malakoppa	1	6.67		1.00
					Bilki	1	6.67		1.00
					Hasanagi	1	6.67		1.00
			Ummachagi		Savane	1	3.33		0.50
					Jaddigadde	1	3.33		0.50
			Idagundi		Arabail (Beeragadde)	2	6.67		1.00
					Chikkumane	2	13.33		2.00
					Idagundi	2	26.67		4.00
					Donagar	3	20.00		3.00
					Hansanagadde	12	40.00		6.00
					Komadi	1	3.33		0.50
					Jogadamane	1	3.33		0.50
					Gullapur	1	3.33		0.50
			Kannigeri		Kannadagal	2	2.45		0.37
			Pattan panchayat		Yellapur	23	37.79		5.67
			DEHALLI		KANCHINGADDE	2	53.33		8

				HIRYALA	1.00	26.67		4.00
			MAVINM ANE	BARE	1	26.67		4.00
				MARAHALLI	1	26.67		4.00
				BARE	1	26.67		4.00
			VAJRALLI	HONNAGADDE	6	160.00		24.00
				AMBAGAV	2	26.67		4.00
				CHIMNALLI	3	80.00		12.00
				TELANGAR	5	133.33		20.00
				KALACHE	11	293.33		44.00
				Total	195	1586.92		238.04
				Gokatte				
			Angod	Bisgod	1	3.33		0.50
			Nandolli	Nandolli	1	13.33		2.00
				Magod	1	13.33		2.00
			Madnur	Madnur	9	140.00		21.00
				Kalsur	2	26.67		4.00
				Manganatavaregere	3	40.00		6.00
				Somanalli	1	13.33		2.00
				Hutkand	1	13.33		2.00
				Heggapur	1	13.33		2.00
			Hasanagi	Bilki	1	10.00		1.50
				Hasanagi	1	6.67		1.00
			Kannigeri	Kannadagal	1	32.61		4.89
			Pattan panchaya t	Yellapur	1	1.67		0.25
				Sahasralli	1	1.67		0.25
			DEHALLI	ANGADIGUDDE	2	26.67		4.00

		SHALEGUDDE	2	26.67	4.00
		HIREMATH	2	26.67	4.00
		MARIMANE	2	26.67	4.00
		KESANKUMBRI	2	26.67	4.00
		KUMBRAL	2	26.67	4
		MENASUMANE	3	40.00	6
		GUMMANIMANE	2	26.67	4
		KOTEMANE	2	26.67	4
		Total	44	582.612	87.39
		Mini percolation Tank			
Madnur		Madnur	4	10.00	1.50
		Kalsur	6	45.00	6.75
		Manganatavaregere	2	33.33	5.00
Hasanagi		Bommanalli	1	8.00	1.20
		Bilki	1	8.00	1.20
		Hasanagi	1	8.00	1.20
IDAGUND I		Kodlagadde	4	32.00	4.80
		Chikkumane	1		1.20
		Gullapur	1	8.00	1.20
Kannigeri		Kannadagal	8	28.30	4.24
DEHALLI		KUMBRAL	2	16.00	2.4
Vajralli		BAGINKATTA	1	8.00	1.20
		CHIMNALLI	2	16.00	2.40
		Total	34.00	221	34.29
		Daggout fond			
Madnur		Manganatavaregere	2	26.67	4.00
		Total	2.00	26.67	4.00
		Taluk total	275.00	2416.82	363.72

8)	Ankola	DOLR MORD	Convergence with MGNREGA			Form pond			5 years	
				Hilluru		Gundbala	6	17.20		2.58
						Check dam				
				Hilluru		Gundbala	4	113.33		17
						Recharge pit				
				Mogata		Kenkani shivpur	3	10.13		1.52
						Check dam				
				Mogata		Kenkani shivpur	2	51.87		7.78
				Total		Total	15	193		28.88
		Taluk total	15	193	29					
9)	Mundagod	DOLR MORD	Convergence with MGNREGA			Form pond			5 years	
				Bachanki		Arishinageri	30	299		6.00
						Arishinageri		664		
						Arishinageri		378		
				Nandikatta		Basapura	20	601		4.00
						Shivapura	12	306		2.00
				Indoor		Indoor	7	459		1.00
				Gunjavati		Baddigeri-I	30	872		6.00
				Pala		Koppadahalla-II	30	662		6.00
				Bachanki-2		Bavchanki-II	20	681		4.00
				Indoor		Koppa	30	844		6.00
				Mundagod		Malaganakopp	10	574		2.00
						Kalaganakoppa	20	702		4.00
				Chawdalli		Thyamanakoppa	6	562.97		1.00
Gunjavathi		Karavalli	8	461	2.00					

		Chawdalli	Chawdalli-I	15	435	3.00
			Andalagi	12	381	2.00
		Naganur	Hanumapura	15	396	3.00
			Kallahalli	12	436.72	2.00
		Bedasagav	Shanavalli-II	10	444	2.00
			Shanavalli-II		379	
			Belambi-I	20	441	4.00
			Sampekoppa		378	
			Belambi-III		463	
			Ummachagi	15	634	3.00
			Tenkal	10	516	2.00
			Kesinkodi	10	477	2.00
		Katuru	Uchageri		614	
			Alahalli-I (East)	15	170	3.00
		Chigalli	Chigalli-II	8	543	2.00
		Katur	Margadi	8	950	2.00
			Singanalli	10	358	2.00
			Katur	8	352	2.00
		Chigalli	Hirehalli	10	518	2.00
		Naganur	Naganur -I	20	491	4.00
		Malgai	Hosakoppa	8	45	2.00
		Pala	Pala	12	678	2.00
			Total	441	18165.7	88.00
			Dug Well			
		Bachanki	Arishinageri	18	299	15.00
		Nandikatta	Basapura	10	306	8.00
		Indoor	Indoor	8	459	7.00
		Gunjavati	Baddigeri-I	20	872	16.00
		Pala	Koppadahalla-I	18	602	15.00

			Bachanki-2		Bavchanki-II	10	681		8.00
			Indoor		Koppa	20	844		16.00
			Mundagod		Malaganakopp	4	574		3.00
					Kalaganakoppa	12	702		10.00
			Chawdalli		Thyamanakoppa	8	562.97		7.00
			Gunjavathi		Karavalli	10	461		8.00
			Chawdalli		Chawdalli-I	15	435		12.00
					Chawdalli-II	2	245		2.00
					Andalagi	4	381		3.00
			Naganur		Hanumapura	2	396		2.00
					Kallahalli	4	436.72		3.00
			Bedasagav		Shanavalli-II	15	444		12.00
					Belambi-I	20	441		16.00
					Ummachagi	15	634		12.00
					Tenkal	4	516		3.00
					Kesinkodi	4	477		3.00
			Katuru		Uchageri	2	614		2.00
					Chalageri	2	479		2.00
					Gandahalli	2	637		2.00
					Gandahalli-I	2	557		2.00
			Naganur		Hotageri	2	605		2.00
					Kyatanahalli	2	517		2.00
					Alahalli-I (East)	10	170		8.00
					Mudsali	4	412		3.00
			Chigalli		Chigalii-I	4	246		3.00
					Margadi	4	950		3.00
					Singanalli	4	358		3.00
					Katur	4	352		3.00
					Hirehalli	6	518		5.00

				Naganur		Naganur -I	12	491		10.00
				Malagi		Hosakoppa	8	45		7.00
				Pala		Pala	10	678		8.00
						Total	301	18397.7		246.00
						Taluk Total	742	36563.4		334.00
District Total							2284.00	43424.95		1407.14
						Drinking water supply and Sewage water treatment works-DUDC				
				CMC		Gangavali river	1.00		5 years	1594.00
				CMC		Gangavali river	1.00			536.00
				TMC		Aghnashini	1.00			732.00
				TP		Aghnashini	1.00			478.00
				TMC		Venktapur River	1.00			800.00
				TP		Venktapur River	1.00			348.00
				CMC		Marigadde Jackwell, Kengre Jackwell	1.00			1572.00
				TP		Arendoor Nala	1.00			256.00
				TP		Bedthi River+ Borewell	1.00			368.00
				TP		Sanvalli Tank+ Borewell	1.00			340.00
				TMC		Kali River	1.00			436.00
				CMC		Kali River	1.00			1303.00
District Total							12	0	0	8763
Grand Total of the district										62543.894

Plan of action

Based on the soil type, climatic condition and cropping system prevailing in taluka of the uttarakannada district the following recommendations may be prefaced for safe and judicious usage of water.

- Agriculture is one such sector where we are badly facing the shortage of water hence strict and appropriate water conservation measures based on the soil type, slope, rainfall and crop adoption. Utilization of urban waste water may be practiced at least per urban culture.
- The major and important concern is the most efficient use of available water. These can be achieved by adopting drip and sprinkler irrigation than the traditional irrigation methods.
- The vented dams are the most effective soil and water conservation structures in heavy rainfall areas to conserve the seepage water which can be used for protective irrigation. The other water conservation structure like recharge pits and desilting of tanks can be taken up in coastal and malenad areas of the district.

Implimenting Agency wise Action Plan for Disrtict Irrigation Pain

(Rs in lkahs)

SI No	Component	IMPLEMENTING AGENCY	Works(No/Ha)	Year wise financial allocation					
				2016-17	2017-18	2018-19	2019-20	2020-2021	Total
1	AIBP	Major irrigation	0	0.00	0.00	0.00	0.00	0.00	0.00
2	Har ket ko pani	Minor Irrigation	414	7800.00	7800.00	7800.00	7800.00	7740.00	38940.00
3	Per drop more crop	Non- DPAP DRIP- Horticulture	2510	250.00	250.00	250.00	250.00	241.10	1241.10
4	Per drop more crop	Non-DPAP- Drip Agriculture	1500	230.00	230.00	230.00	230.00	232.90	1152.90
5	Per drop more crop	Non- DPAP Sprinkler	10000	350.00	350.00	350.00	350.00	364.00	1764.00
6	Convergence with MGNREGA	Agriculture	2284	280.00	280.00	280.00	280.00	287.14	1407.14
7	PMKSY watershed	Agriculture	5384	1850.00	1850.00	1850.00	1850.00	1875.75	9275.75
8	Water Treatment	Urban localbody	12	1750.00	1750.00	1750.00	1750.00	1763.00	8763.00
	Total		22104	12510.00	12510.00	12510.00	12510.00	12503.89	62543.89