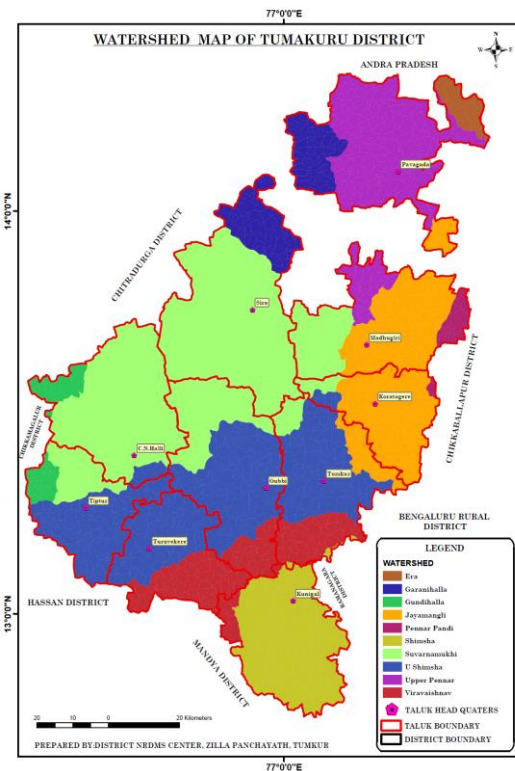




# Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)



**DISTRICT IRRIGATION PLAN**

**TUMAKURU DISTRICT**

**District Administration  
&  
Zilla Panchayat**

**Department of Agriculture, KARNATAKA STATE**

**2016**

GOVERNMENT OF KARNATAKA



Sri. Mohan Raj.K.P, IAS  
Deputy Commissioner

**Foreword**

“Hon’ble President in his address to the Joint Session of Parliament of 16<sup>th</sup> Lok Sabha indicated that each drop of water is precious and launched Pradhana Mantri Krishi Sinchayee Yojana (PMKSY), with a major objective 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. It will complete the long pending irrigation projects on priority. Micro-irrigation will be popularized to ensure Per Drop More Crop.

Tumakuru district has an average normal annual rainfall of 697 mm with an average 46 rainy days. Over 18 percent of annual rainfall occurs during the pre monsoon season. The monsoon season is from June to September. Monsoon season yields nearly 52 per cent of the annual precipitation in the district. The post monsoon period is from October to December which contributes around 30 percent of annual rainfall.

The net sown area of the district is 5.20 lakh ha, of which 48.8 % (2.55 lakh ha) is irrigated and the rest (51.2 %) is rainfed. Tumakuru district is one of the most drought prone districts of the State. Gross irrigated area in the district is 3.35 lakh ha, the Major source of irrigation in the district is through tube/bore-wells which provide irrigation to 1.49 lakh ha, other sources are from Hemavathy Canal i.e., 0.91 lakh ha, in Turuvekere, Kunigal, Gubbi, Tiptur & Tumkur talukas and through open wells and tanks is about 0.95 lakh ha.

The total water available from various sources in the district is 2.13 BCM (75.48 TMC) and present water demand for various sectors is 2.37 BCM (83.85 TMC) thus we have a deficit of -0.23 BCM (-8.39 TMC) which needs to be bridged by taking up various irrigation related activities.

The present planning should give impetus on utilizing water for expansion of irrigated area, through Upper Bhadra Project and diversion from West flowing rivers, establishment of new industries and creation of special economic zone, so that the district can be model to the

entire State. This provides additional job opportunities leading to economic growth of the district.

Under PMKSY, it is proposed to take up various developmental activities to improve irrigation facilities in the district and also proposed to create an irrigation potential of 4.09 lakh ha by 2020 with a budgetary support of Rs.10700.63 crores. This will help in intensive cultivation of crops, taking up of multiple crops, judicious use of water, increased water use efficiency, change of cropping pattern which will create additional employment and income to farming community.

At the outset, I appreciate the efforts of the Department of Agriculture, particularly Joint Director and their team in collection of information from various departments and organizing District Level meetings which has led to finalization of this report. I thank all the line department officials viz., Chief Engineer, Hemavathy Canal Zone, Executive Engineer - Minor Irrigation department, Executive Engineer- PRED-Tumkur & Madhugiri division, Executive Engineer -Rural Water Supply, Geologist, Executive Engineer -Upper Bhadra, Executive Engineer-Yettinahole Project, Commissioner -City Corporation & Commissioners - Town Municipal Councils, Panchayats, Joint Director Industries, KIADB, CADA, Deputy Director, Horticulture, Deputy Director -Sericulture, Deputy Director-Veterinary & animal Health Services Department, DCF-Territorial Forest, DCF-Social Forest, Sr.Asst Director-Fisheries, Lead Bank Manager, Manager -NABARD, NGO's -Abhivruddhi Revolution Forum & BAIF, UAS-GKVK Scientists, KVK Coordinators for providing timely information on their concerned templates.

I also appreciate Chief Executive Officer Zilla Panchayat, for providing necessary insights for the whole project.

I also express my deep sense of gratitude to Sri T.B.Jayachandra, Hon'ble Minister for Law and Parliamentary affairs & Minor Irrigation, Govt. of Karnataka and MP/MLA for providing valuable suggestions.

I also thank Dr. Raghavendra Rao, Udupi for providing the initial draft and the President and members of PLUS TRUST, Bangalore for compilation, analysis and printing of the District Irrigation Plan in an exhaustive and excellent manner.

I hope this report will be useful in planning and efficient management of precious water resource of Tumakuru district.

Date:

  
Deputy Commissioner  
Tumakuru District.



## **Executive Summary**

### **Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)**

#### **District Irrigation Plan –Tumkur District**

District Irrigation Plan is the cornerstone for planning and implementation of PMKSY, which consists of 4 main components viz., Accelerated Irrigation Benefit Program (AIBP), HarKhetKoPani, Watershed Development and Per Drop More Crop.

District Irrigation Plan will identify gaps in irrigation infrastructure vis-a-vis irrigation infrastructure currently available and resources that would be added from ongoing schemes.

In Tumakuru District, Pennar, Lower Cauvery and Lower Tungabhadra drain the district. Pennar basin is comprised of three watersheds viz., 4C3H2, H3 & H4 is drained by Jayamangala and Kumudavathi rivers which are tributaries of North Pinakini River. River Shimsha drain the area falling in Lower Cauvery basin in the district and is comprised of five watersheds viz 4B3C1, C2, C3, C4 and 4B3D5. Lower Tungabhadra basin is drained by Vedavathi and Suvarnamukhi River in the district. Lower Tungabhadra basin is comprised of four watersheds viz 4D3D6, D7, D8 and 4D3E1.

There are no perennial rivers in the district. The rivers and streams originate from small watersheds and empty into number of tanks scattered in the district. The drainage pattern in the area can be described as semi dendritic to dendritic.

Tumakuru district is located between 12°.45" and 14°.20" North latitude and between 76°20" and 77° 31" East longitude. District has 10 Talukas, 50 Hoblis, 331 Gram Panchayath, 2715 villages have a total household 640081 and total population of 2678980. Annual rainfall is 743mm and average numbers of rainy days are 46.

Total Livestock are 4665192 mainly consists of sheep, cows and poultry birds. Land slope is less,501235 Ha are in 0-3% and 3-8% is 511897 Ha. District is drought prone and occurs once in every 2-3 years.

Gross cropped area in the district is 676471 Ha and net sown area is 520202 Ha cropping in intensity of 114.83%. Area under watershed is 326000 Ha.

Majority of cropping area falls in Kharif season-4.44 lakhs Ha, in Rabi season- 0.071 lakhs Ha, in summer season- 0.0975 lakhs Ha and Horticulture crops occupies 2.148 lakhs Ha.

Overall production from rainfedcrops is 69,38,410 quintals per year and from Irrigated crops 58,98,703 quantity. Productivity is less compared to state and national averages.



Groundwater is over exploited in Madhugiri, Koratagere&Chikkanayakanahally and is critical in Pavagada and SiraTalukas.

Total gross irrigated area 3.349 lakhs Ha, Net irrigated area 2.54 lakhs Ha and total rainfed gross area is 4.52 lakhs Ha.

Canal command area developed in 89796 Ha out of allocated 90804 Ha. Another 19215 canal command area is under development by Upper Bhadra project and there are 1530 tanks and irrigated area from these tanks is 75245.18 Ha, total irrigated area from 223543 Bore wells is 1.48 lakh Ha.

Domestic water demand for a population of 26.78 lakhs is 0.132 BCM and for projected population of 29.30 lakhs in 2020 is 0.1444 BCM. For a total 6.74 lakhs Ha of crops 2.163239 BCM water is needed, and projected for 2020 is 2.37956 BCM, for livestock for present population is 0.027097 BCM, and projection for 2020 is 0.03159 BCM and for industries for present is 0.0397 BCM and projection for 2020 is 0.044178 BCM and no power plants in the district no water is required and other requirement for present is 0.0132 BCM and projection for 2020 is 0.0144415 BCM. Thus, total water requirement for various sectors at present is 2.37525 BCM (83.88 TMC) and for 2020 it is 2.614188 BCM (92.32 TMC). Existing water available from surface water is 1.29697 BCM and from Ground water 0.841 BCM and totally 2.1378 BCM is available from all sources.

The main strategies to bridge the above gaps are

1. Changing cropping pattern from more water demanding to less water demand crops which are also remunerative.
2. Increases water use efficiency through sprinkler and drip irrigation.
3. Conserving soil moisture through watershed activities
4. Repair, renovation and restoration of water bodies.
5. New construction of Channels, Check dam, Farm ponds, Barrages etc.

Various structures like Check Dams, Nala Bunds, Percolation Tanks, Strengthening of Gokatte, De-siltation of tanks, Bore well Recharge, Construction of Barrages, Pickups, Water Harvesting structures have been planned for implementation.

A total of Rs. 1070063.6 lakhs action plan has been proposed of which AIBP- Rs. 526086.15 lakhs, HarKhetKoPani- Rs. 210082.26 lakhs, Per Drop More Crop- Rs. 39198.32 lakhs, PMKSY watershed-Rs. 156290.05 and convergence with MGNREGA is Rs. 138406.81 lakhs.

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## **PRADHAN MANTRIKRISHI SINCHAYEE YOJANA (PMKSY)**

### **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 will be to adopt a ‘decentralized State level planning and projectised execution’ structure that will allow States to draw up their own irrigation development plans based on District Irrigation Plan (DIP) and State Irrigation Plan (SIP). It will be operative as convergence platform for all water sector activities including drinking water & sanitation, MGNREGA, application of science & technology etc. Through comprehensive plan. State Level Sanctioning Committee (SLSC) chaired by the Chief Secretary of the State with the authority to oversee its implementation and sanction of projects.

The programme will be supervised and monitored by an Inter-Ministerial National Steering Committee (NSC) will be constituted under the Chairmanship of Prime Minister with

Union Ministers from concerned Ministries. A National Executive Committee (NEC) constituted under the Chairmanship of Vice Chairman, NITI Aayog to oversee programme implementation, allocation of resources, inter-ministerial coordination, monitoring & performance assessment, addressing administrative issues etc.

Components and responsible Ministries/ Departments are as follows:

1. AIBP by MoWR, RD & GR: To focus on faster completion of on-going Major and Medium Irrigation including National Projects.
2. PMKSY (Har Khet Ko Pani) 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 carrying capacity of traditional water sources, construction rain water harvesting structures (Jal Sanchay); Command area development, strengthening and creation of distribution network from source to the farm. To facilitate improvement in water management and distribution system for water bodies to take advantage of available sources, which is not utilised to its fullest capacity (deriving benefits from low hanging fruits).
3. PMKSY (Watershed) by Dept. of Land Resources, MoRD Water harvesting structures such as check dams, nala bund, 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. 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 MGNREGA for activities like lining inlet, outlet, silt traps distribution systematic.

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 MGNREGA.

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

periodsthrough effective on-farm water management Water lifting devices like diesel/ electric/ solar pump-sets including water carriage pipes.

Extension activities for promotion of scientific moisture conservation and agronomicmeasures including cropping alignment to maximise use of available water including rainfalland minimise irrigation requirement.

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 Plans (DIPs)**

District Irrigation Plan (DIP) shall be the cornerstone for planning and implementation of PMKSY. DIP will identify the gaps in irrigation infrastructure after takinginto 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 Act (MGNREGA), 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 be used in preparation of DIP. DIPs will present holistic irrigation development perspective of the district outlining medium to long term development plans integrating three components viz. water sources, distribution network and water use applications incorporating all usage of water like drinking& domestic use, irrigation and industry. Preparation of DIP will be taken up as joint exercise of all participating departments. DIP will form the compendium of all existing and proposed water resource network system in the district.

The DIPs may be prepared at two levels, the block and the district. Keeping in view the convenience of map preparation and data collection, the work would be primarily done at block level. Block wise irrigation plan is to be prepared depending on the available and potential water resources and water requirement for agriculture sector prioritising the activities based on

socio-economic and location specific requirement. In case of planning is made based on basin/sub basin level, the comprehensive irrigation plan may cover more than one district. The activities identified in the basin/sub-basin plan can be further segregated into district/block level action plans.

### **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 141 m. Ha of net area sown in the country, about 65 million hectare (or 45%) is presently covered under irrigation. Substantial dependency on rainfall makes cultivation in un-irrigated 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 (Har Khet ko pani).
- 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 rain fed 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.

## CHAPTER – I

### GENERAL INFORMATION OF THE DISTRICT

#### 1.1 District Profile:

Tumakuru (formerly Tumkur) is the district headquarters of Tumakuru district, an industrial city located about 70kms towards North-West of Bangalore. Tumakuru plays host for India's first mega food park, which is a project of the Ministry of food processing. This has been selected as one of the hundred Indian cities to be developed as a smart city under PM Narendra Modiji's flagship Smart Cities Mission.

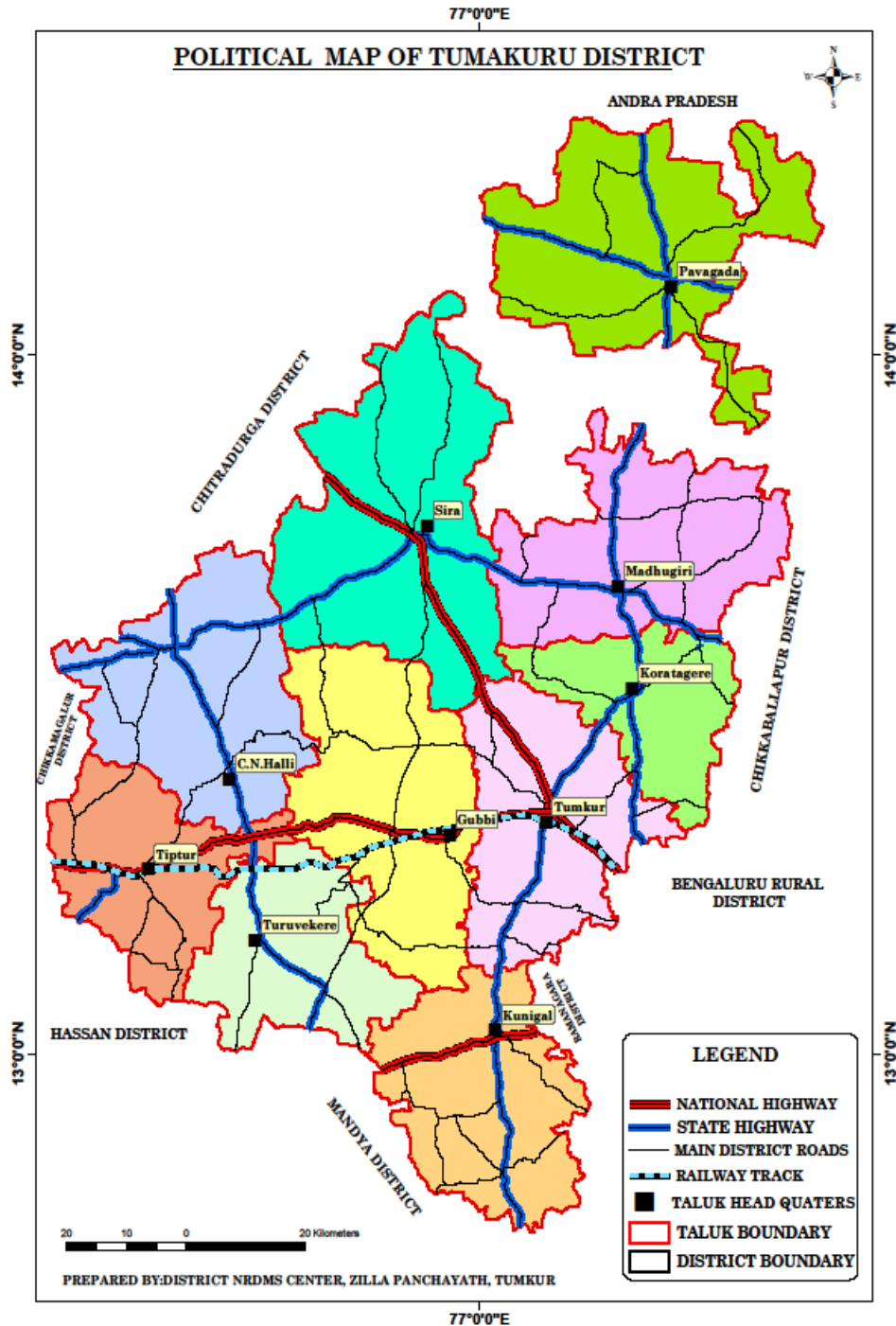
Etymologically, the name “Tumakuru” is believed to have been derived from "Tumbeooru" because of the abundance of Tumble plant, a common fragrant herb, *Leucasaspera* in this area. Another story says that during the rule of cholas, Guler was their capital, since Tumakuru is at high elevation the guards used to be there on any hill with Tumaki (a folk percussion instrument) and used to make sound in case of any alerts; hence the name. The Indian central government approved the request to officially rename the Tumkur as "Tumakuru" on November 1, 2014.



The district is situated between 12°.45" and 14°.20" North latitude and between 76°20" and 77° 31" East longitude. Tumakuru district is the third largest in geographical area in the state and occupies an area of about 10,598 km<sup>2</sup>. This district is surrounded by Bangalore, Mandya, Hassan, Chitradurga, Kolar districts and the state of Andhra Pradesh (Fig. 1.1). Location map of Tumakuru district (within the country and the State) is shown in Fig. 1.2.

Tumakuru district consists chiefly of elevated land intersected by river valleys. A range of hills rising to nearly 4,000 feet (1,200 m) crosses it from north to south, forming the watershed between the systems of the Krishna and the Kaveri. The principal streams are the Jayamangala and the Shimsha. The mineral wealth of Tumakuru is considerable; iron is obtained in large quantities from the hillsides; and excellent building-stone is quarried. The slopes of the Devarayanadurga hills are clothed with forests. Wildlife such as leopards, bears and wild boar have been recorded here. Although, tigers were recorded from these forests as late as the 1950s, most recent reports of stray sightings of tigers need confirmation.

**Fig1.1: Political Map of Tumakuru District**



The known history of the Tumakuru district begins with the Gangas. The Ganga family ruled over the southern and eastern districts of the state from early in the Christian era to 1025 A.D. The earliest record of the Ganga family found in this district belongs to about 400 A.D. After the Gangas, Tumakuru was ruled by the Rastrakutas and the Chalukyas. The Nolambas under these rulers ruled the area for a long time. The cholas also ruled some parts of the

District. The Vijayanagara Empire ruled Tumakuru for the latter part of the 13th to 17th century. During 18th and 19th Century, Tumakuru was ruled by the Wodeyars of Mysore until independence. The Tumakuru town municipality was set up by the Mysore Wodeyars in the 1920s. Self-rule of the residents of Tumakuru started after the setting up of the municipality. Tumakuru was converted into a city corporation only in 2010 by adding 22 villages adjoining the city. The district comprises 10 administrative subdivisions *viz.*, Tumakuru, Sira, Madhugiri, Gubbi, Pavagada, Kunigal, Tiptur, Chiknayakanhalli, Turuvekere and Koratagere Taluks.

**Table 1.1: District Profile**

1.	District Code	571
2.	Latitude and Longitude	12°.45" and 14°.20" North latitude and between 76°20" and 77° 31" East longitude.
3.	Total Number of block	10
4.	Total Number of Grama Panchayat	331
5.	Total No. of Hoblies	50
6.	Total Number of Villages	2715
7.	Total Population	2678980
8.	Total Male Population	1350594
9.	Total Female Population	1328386
10.	Total Rural Population	2079902
11.	Total Urban Population	599078
12.	Total Child population	265742
13.	Total SC Population	506901
14.	Total ST Population	212855
15.	Geographical Area	1064755 ha
16.	Net Sown Area	520202 ha
17.	Gross Cropped Area	676471 ha
18.	Net Irrigated	254627 ha
19.	Gross Rainfed	468587 ha
20.	Area under Forest	112565.78 ha
21.	Total Livestock	2160101
22.	Total Poultry	2505091



## 1.2 Demography

### 1.2a. Population:

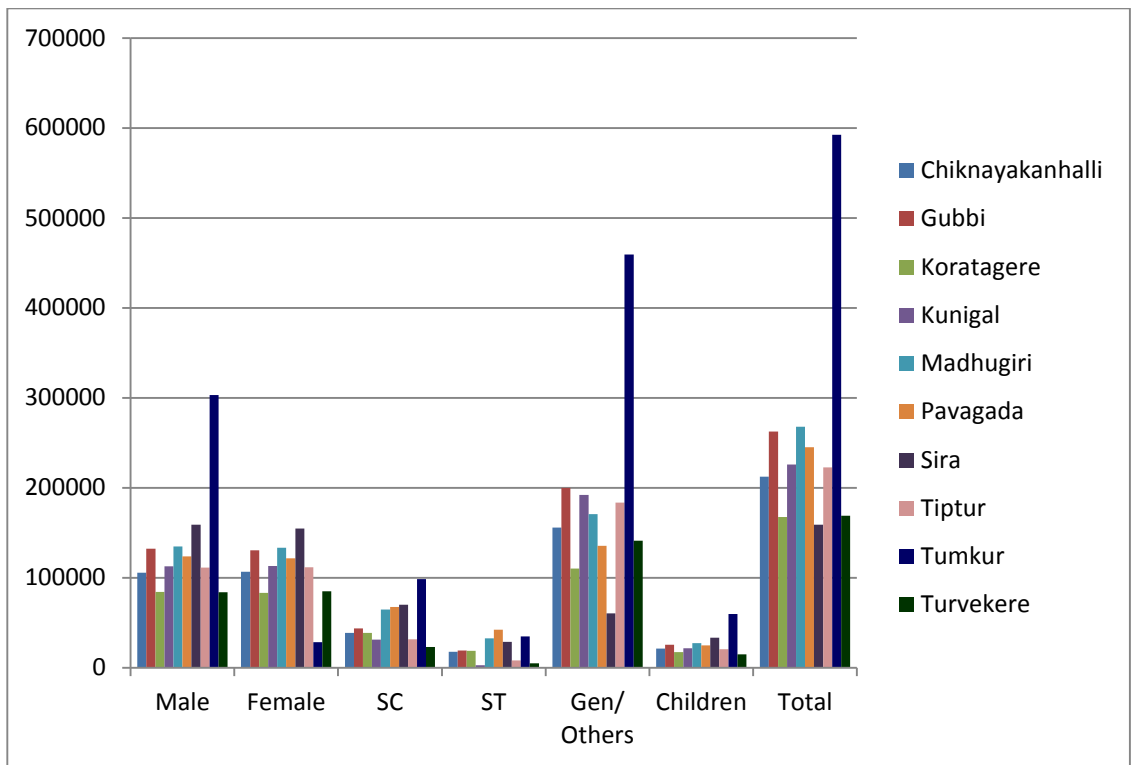
The total population of Tumakuru district is 2678980 comprising of 1350594 males and 1328386 females. Tumakuru taluk has the highest population in the district and shares 22 percent of the total population of the district. Gubbi and Madhugiri taluks share around 10 per cent of the district population. The Scheduled caste and scheduled tribe together share 26.74 per cent of the district population. The share of Scheduled caste and scheduled tribe population varies from 18 per cent in Kunigal taluk to 62 per cent in Sira taluk. The details about taluk-wise population is presented in Table 1.2. The gender and caste-wise population of the district is shown in Fig 1.3 and taluk-wise population by caste and gender is shown in Fig1. 4 and demographic map of the district is presented in Fig 1.5.

**Table 1.2: Taluk wise population of Tumakuru District**

Sl. No.	Block/Taluk	Population			SC	ST	Gen/ Others	Children
		Male	Female	Total				
1	Chiknayakanhalli	105583	106547	212130	38805	17654	155671	21271
2	Sira	158978	154780	158978	69930	28770	60278	33174
3	Pavagada	123680	121514	245194	67427	42268	135499	24631
4	Madhugiri	134670	133196	267866	64608	32648	170610	27324
5	Koratagere	84349	83242	167591	38500	18831	110260	17340
6	Tumakuru	303197	28200	592397	98531	34755	459111	59472
7	Gubbi	132102	130416	262518	43596	19154	199768	25606
8	Tiptur	111282	111467	222749	31371	8054	183324	20466
9	Turvekere	83950	85044	168994	23010	4700	141284	14938
10	Kunigal	112803	112980	225783	31123	2725	191935	21520
	<b>Total</b>	<b>1350594</b>	<b>1328386</b>	<b>2678980</b>	<b>506901</b>	<b>209559</b>	<b>1962520</b>	<b>265742</b>

Source: District Population Census 2011

**Fig 1.3: Gender & Caste wise Population of Tumakuru District**



**Fig 1.4: Talukwise Population of Tumakuru District**

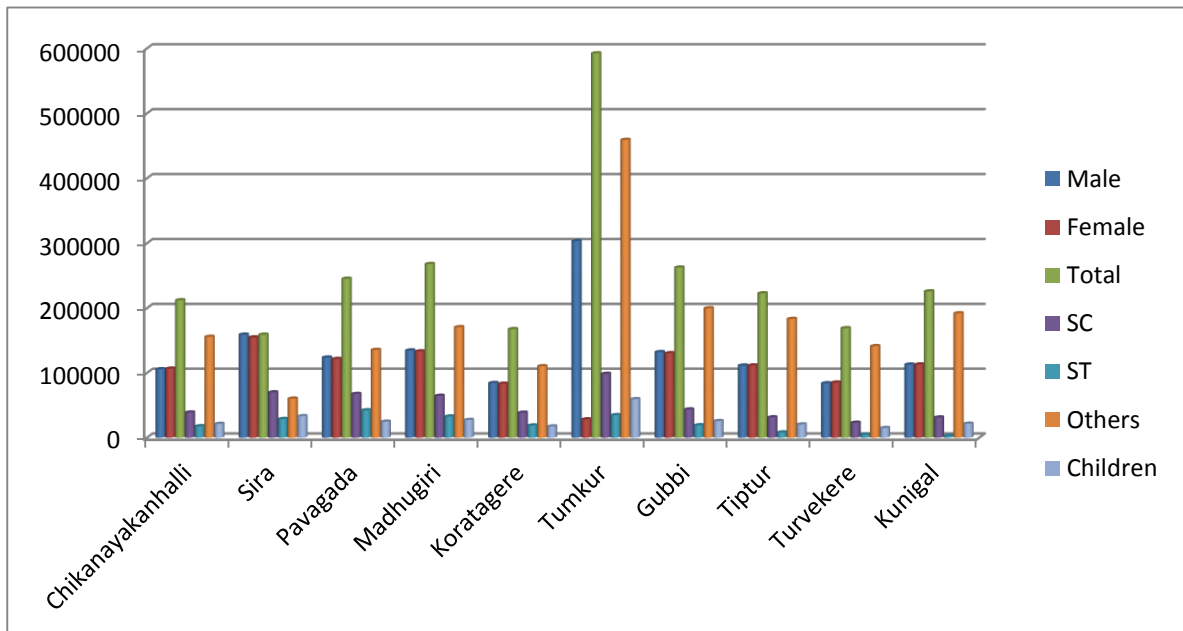
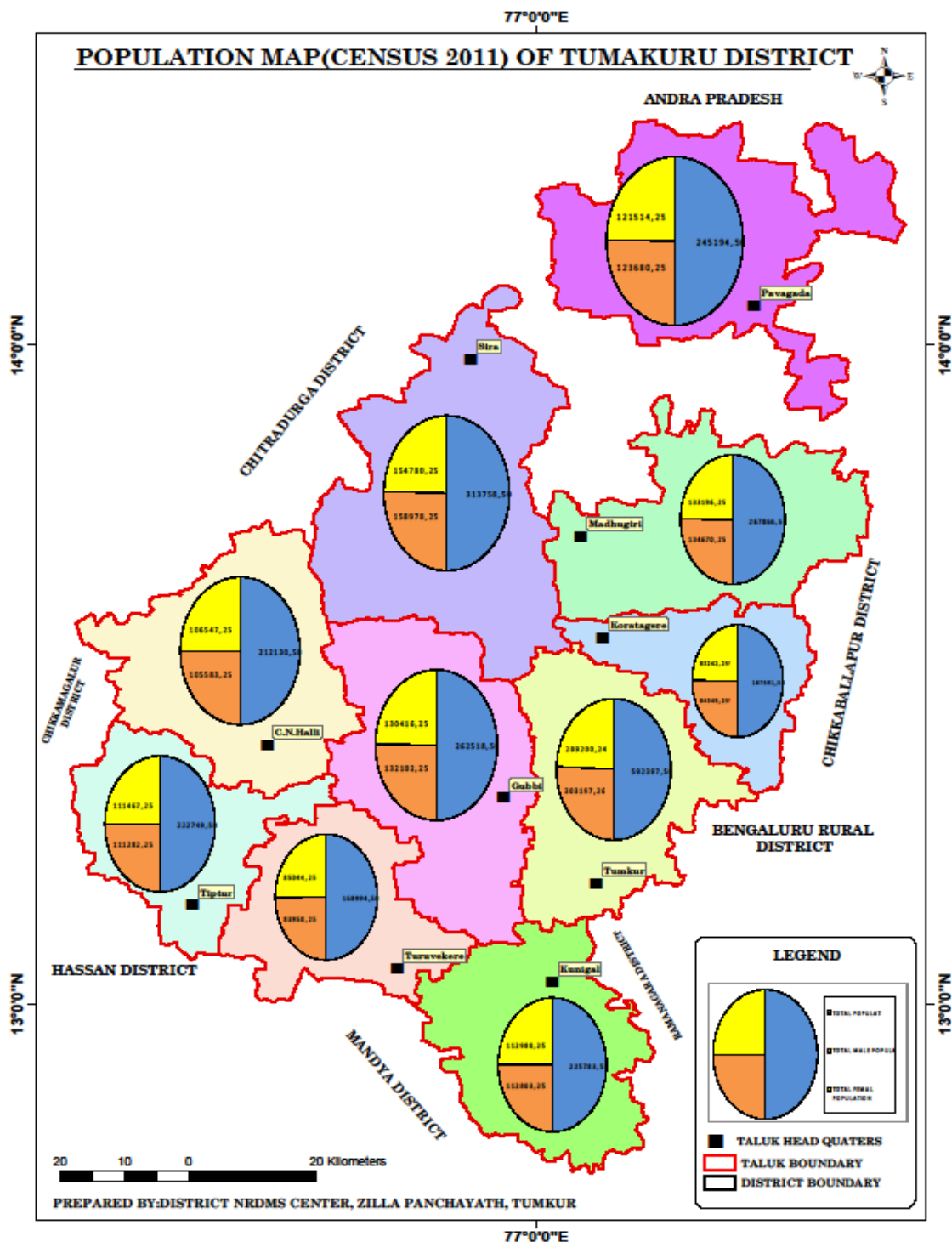


Fig1.5: Demographic Map of Tumakuru



### 1.2b. Rural and Urban Population:

As per 2011 population census, total population of Tumakuru is 2678980 and comprises of 20,79,902 rural population accounting roughly for 78 per of the total district population, indicating agrarian nature of the district. As expected, Tumakuru taluk has the highest number of urban population followed by Tiptur, Kunigal and Sira taluks. The



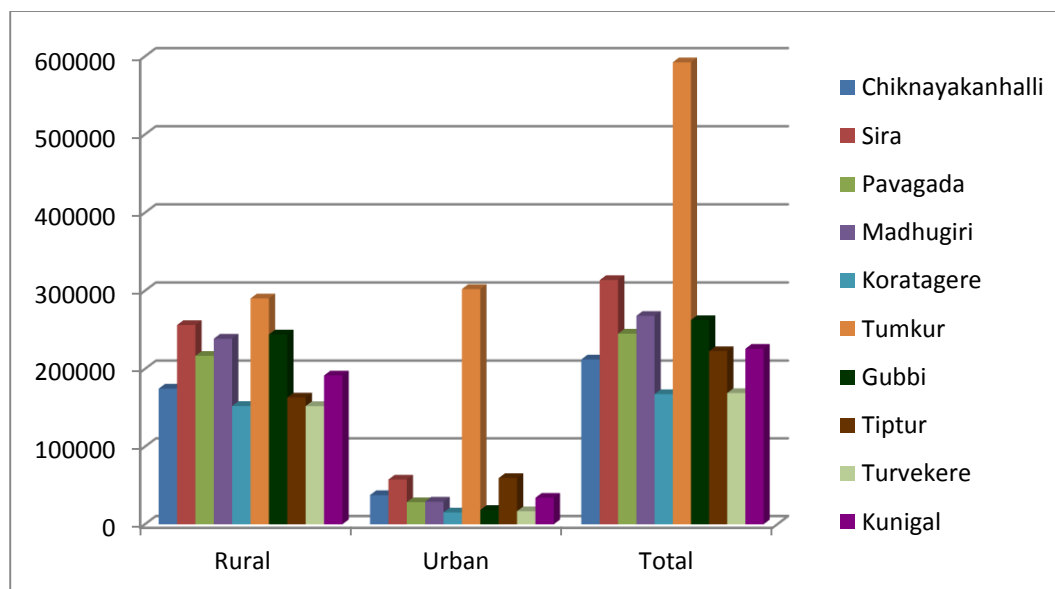
composition of rural and urban population is shown in Table. 1.3 and Fig 6. The taluk-wise rural urban population is depicted in Fig.1.7.

**Table 1.3: Rural and Urban Population**

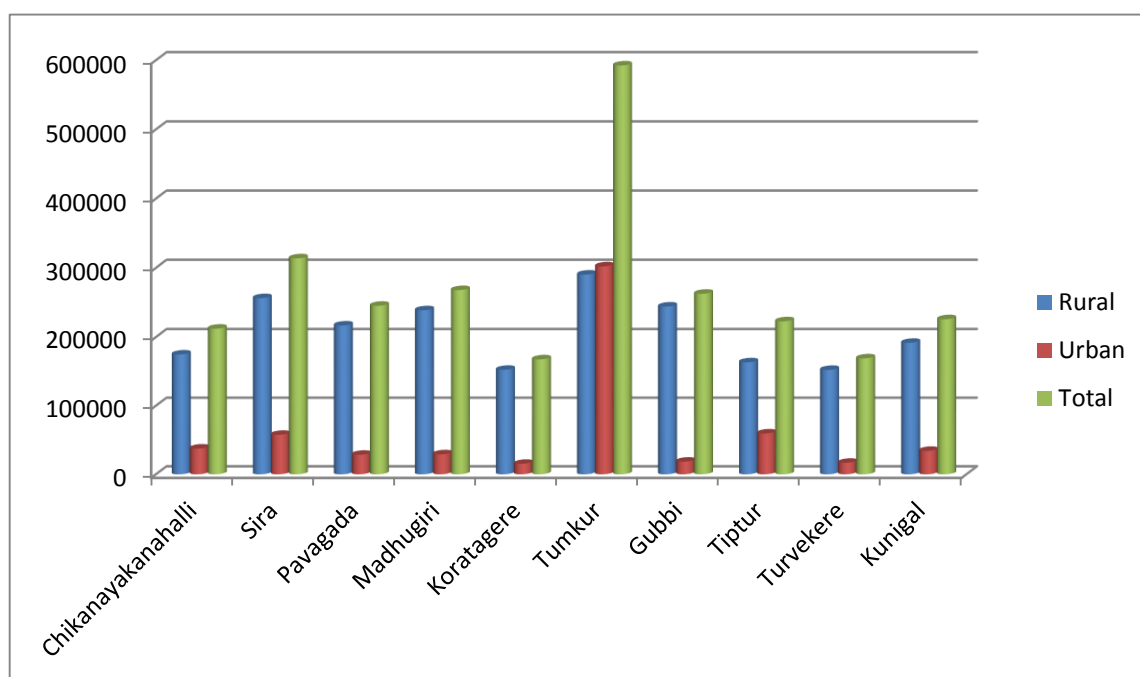
Sl. No.	Block/Taluk	Population		
		Rural	Urban	Total
1	Chiknayakanhalli	174620	37510	212130
2	Sira	256204	57554	313758
3	Pavagada	216708	28486	245194
4	Madhugiri	238707	29159	267866
5	Koratagere	152326	15265	167591
6	Tumakuru	290254	302143	592397
7	Gubbi	244072	18446	262518
8	Tiptur	163206	59543	222749
9	Turvekere	152177	16817	168994
10	Kunigal	191628	34155	225783
<b>Total</b>		<b>2079902</b>	<b>599078</b>	<b>2678980</b>

Source: District Population Census 2011

**Fig: 1.6: Rural and Urban Population of Tumakuru district**



**Fig: 1.7: Taluk wise Rural and Urban Population of Tumakuru district**



### 1.2c. Number of House Holds in Tumakuru district.

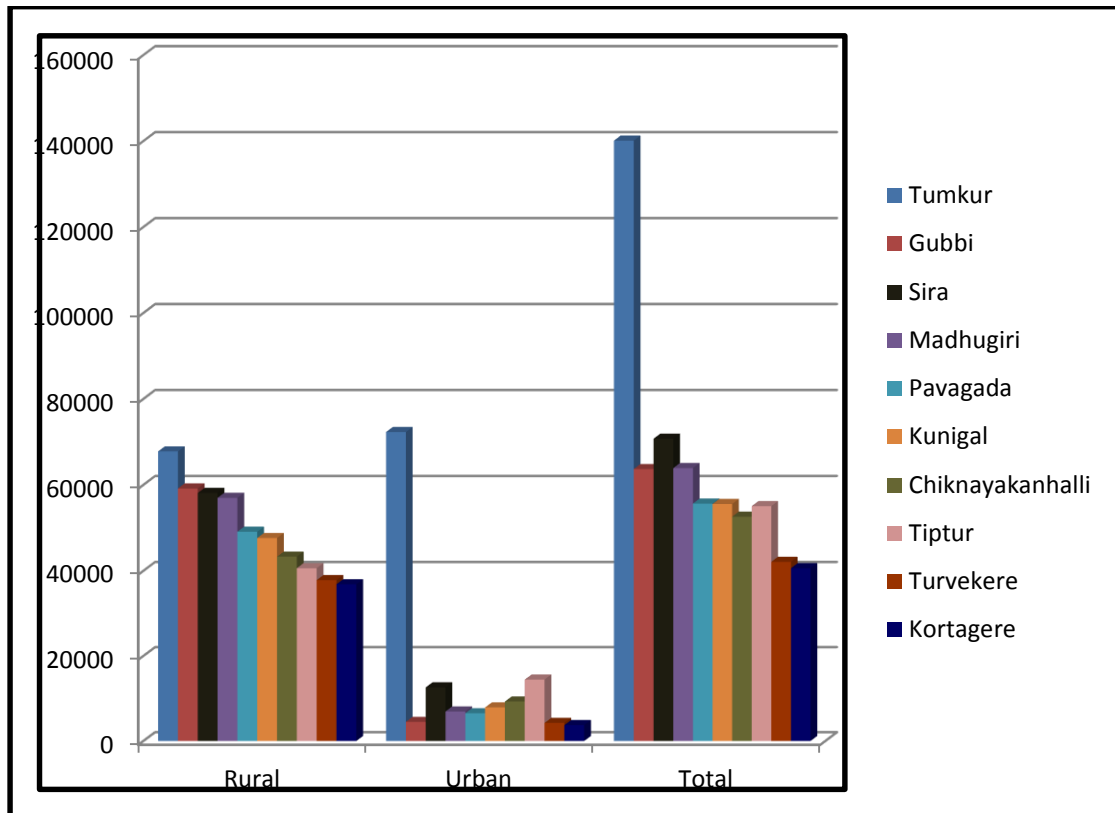
There are 6.40 lakh households in the district of which 4.97 reside in villages of rural areas of Tumakuru district and the remaining 1.43 lakh resides in urban centres of the district (Table 1.4). The distribution of the households across the taluks is shown in Figure 1.8. The household map of Tumakuru district has been presented in Fig 1.9.

**Table.1.4: Number of Rural and Urban Households in Tumakuru District**

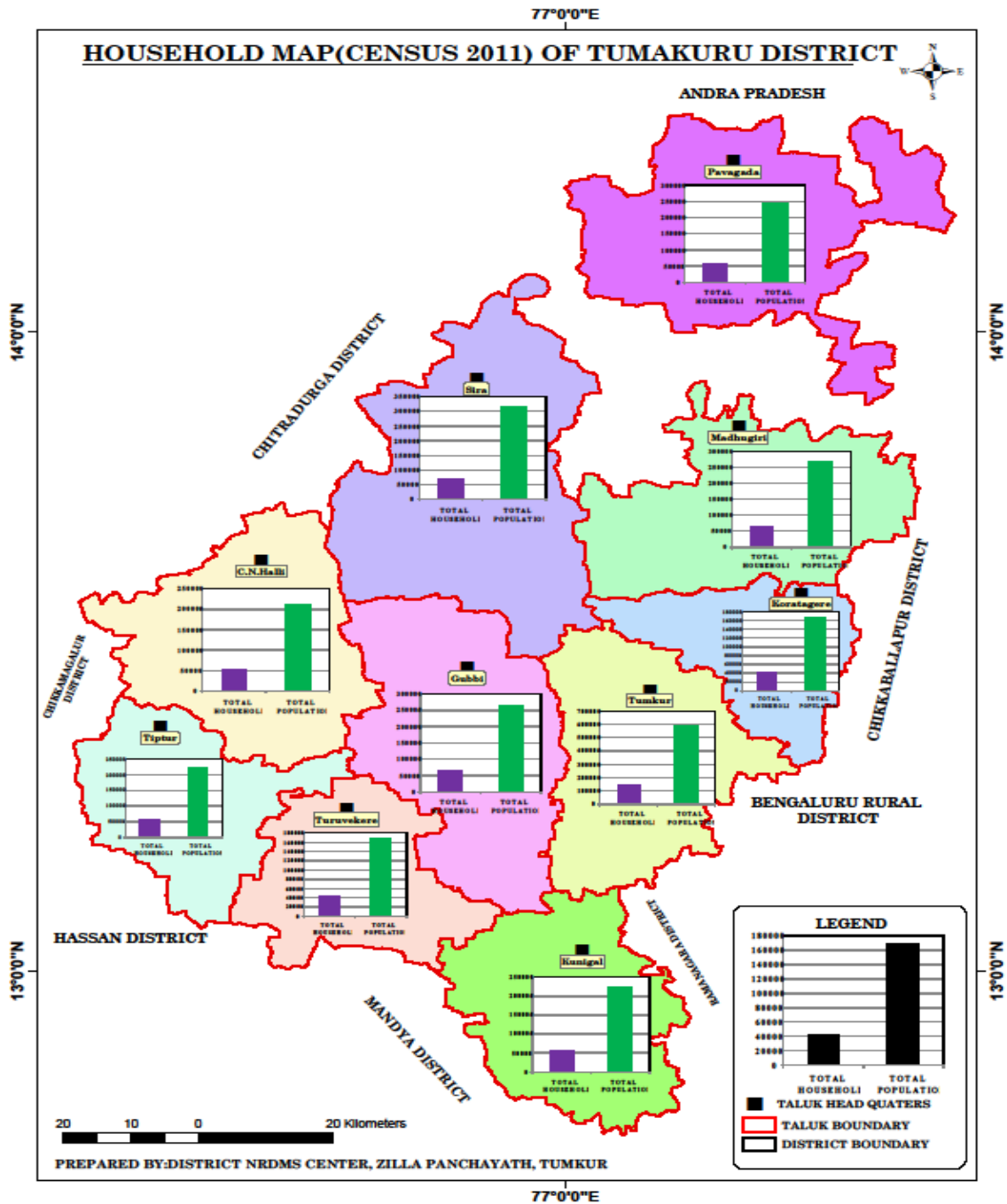
SI No	Block/Taluk	Households		
		Rural	Urban	Total
1	Tumakuru	67797	72300	140097
2	Gubbi	59182	4506	63688
3	Sira	58138	12616	70754
4	Madhugiri	56986	6938	63924
5	Pavagada	49118	6534	55652
6	Kunigal	47648	7911	55559
7	Chiknayakanhalli	43313	9299	52612
8	Tiptur	40624	14451	55075
9	Turvekere	37841	4260	42101
10	Kortagere	36874	3745	40619
<b>Total</b>		<b>497521</b>	<b>142560</b>	<b>640081</b>

Source: District Census Handbook Tumakuru District 2011

**Fig 1.8: Taluk-wise Number of Rural and Urban Households in Tumakuru district**



**Fig1.9: Household Map of Tumakuru District**



### 1.3. 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. Tumakuru district

has a total of 45177 ha of forest cover. Apart from this area, district has 67539 ha of barren and un-cultivable land which can also be utilized for production of biomass.

Domestication of animals along with agriculture is an important activity of rural population. This activity is providing additional employment and also supplements to the income of the farming community. The district has 5.27 lakh cows, 1.81 lakh buffaloes. Small ruminants like sheep and goats is another important livestock activity of the district. Information pertaining to biomass and livestock is presented in Table 1.5 and Fig.1.10. The cows and buffaloes add up to 7.08 lakh animals. Kunigal taluk has the highest number of cows and buffaloes followed by Tumakuru and Gubbi taluks.

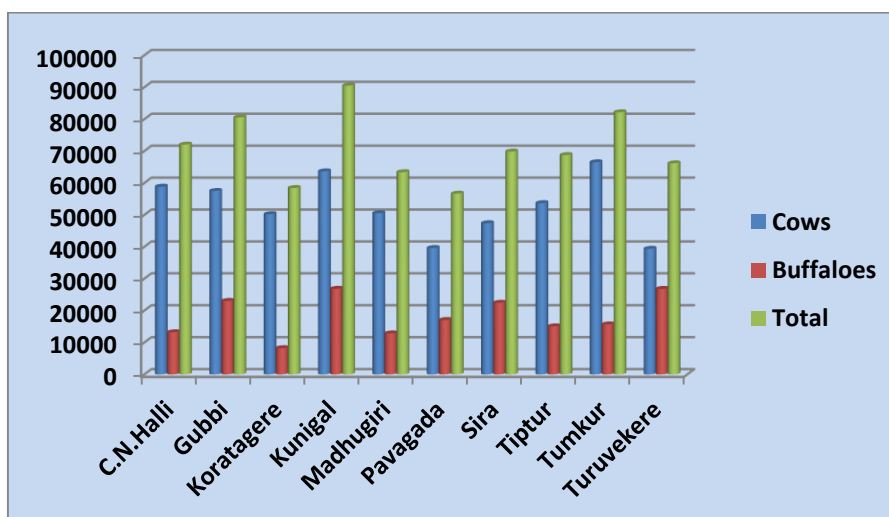
**Table 1.5: Cattle & Buffaloes Population of Tumakuru District**

In Numbers

Sl. No	Taluk	Cattle	Buffaloes	Total
1	C.N.Halli	58804	13202	72006
2	Gubbi	57483	23023	80506
3	Koratagere	50188	8220	58408
4	Kunigal	63629	26832	90461
5	Madhugiri	50501	12852	63353
6	Pavagada	39596	17041	56637
7	Sira	47382	22436	69818
8	Tiptur	53662	15059	68721
9	Tumakuru	66470	15656	82126
10	Turuvekere	39352	26797	66149
<b>Total</b>		<b>527067</b>	<b>181118</b>	<b>708185</b>

Source: District Livestock Census 2012

**Fig 1.10: Number of Milch Animals (Cows and Buffaloes) by Taluks**



In addition to milch animals, small ruminants like sheep and goats as well as other small animals like dogs, ducks, rabbits, poultry birds like broilers and layers are also reared by the households as a supplementary / complementary activity to augment the household income. The taluk-wise number of small animals and poultry birds is shown in Table 1.6. The number of small animals and poultry birds by taluks are presented in Fig. 1.11 and Fig 1.12 respectively.

**Table :1.6: Small Ruminants and Other Animals in Tumakuru District.**

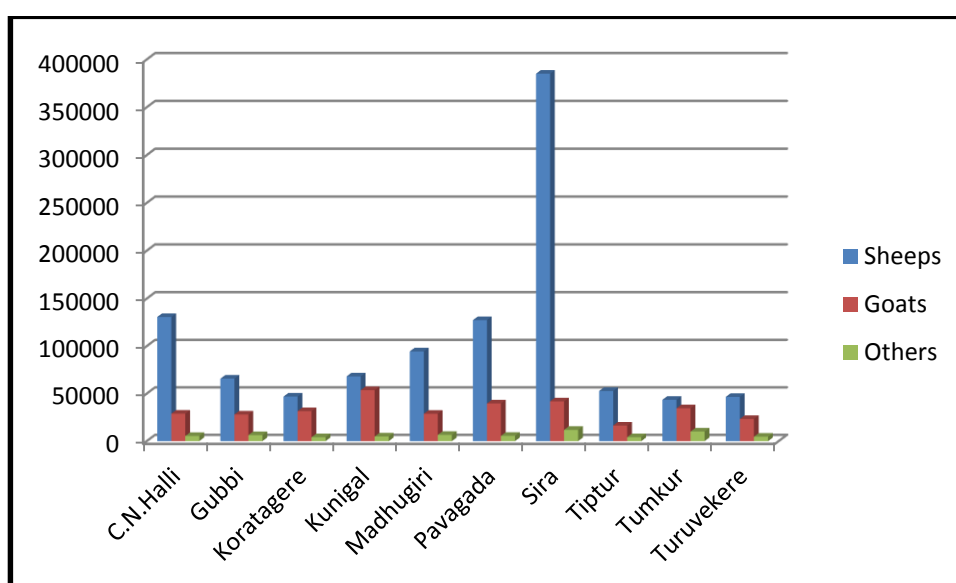
In Numbers

SL. NO	TALUK	Sheeps	Goats	Others(Dogs, Horses, rabbits etc.,)	Total poultry	Grand Total*
1	C.N.Halli	130702	28900	5383	69948	306939
2	Gubbi	65801	28066	6359	612472	793204
3	Koratagere	46888	31537	4189	125162	266184
4	Kunigal	68161	53705	4904	356640	573871
5	Madhugiri	94463	28820	6543	118125	311304
6	Pavagada	127377	39696	5608	99734	329052
7	Sira	385069	41845	11847	176316	684895
8	Tiptur	52799	16389	4130	147684	289723
9	Tumakuru	43491	34649	10092	586118	756476
10	Turuvekere	46579	23283	4641	212892	353544
<b>Total</b>		<b>1061330</b>	<b>326890</b>	<b>63696</b>	<b>2505091</b>	<b>4665192</b>

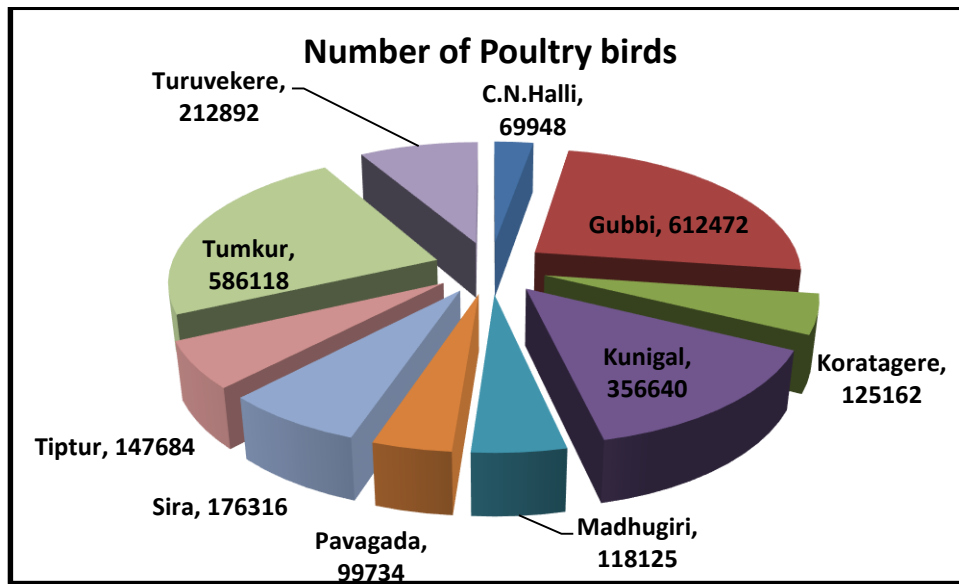
NOTE: \*: includes Large, Small animals & Poultry

Source: District Livestock Census 2012

**Fig 1.11: Number of Small Animals by Taluks in Tumakuru District (Numbers)**



**Fig 1.12: Number of Poultry Birds by Taluks in Tumakuru District**



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

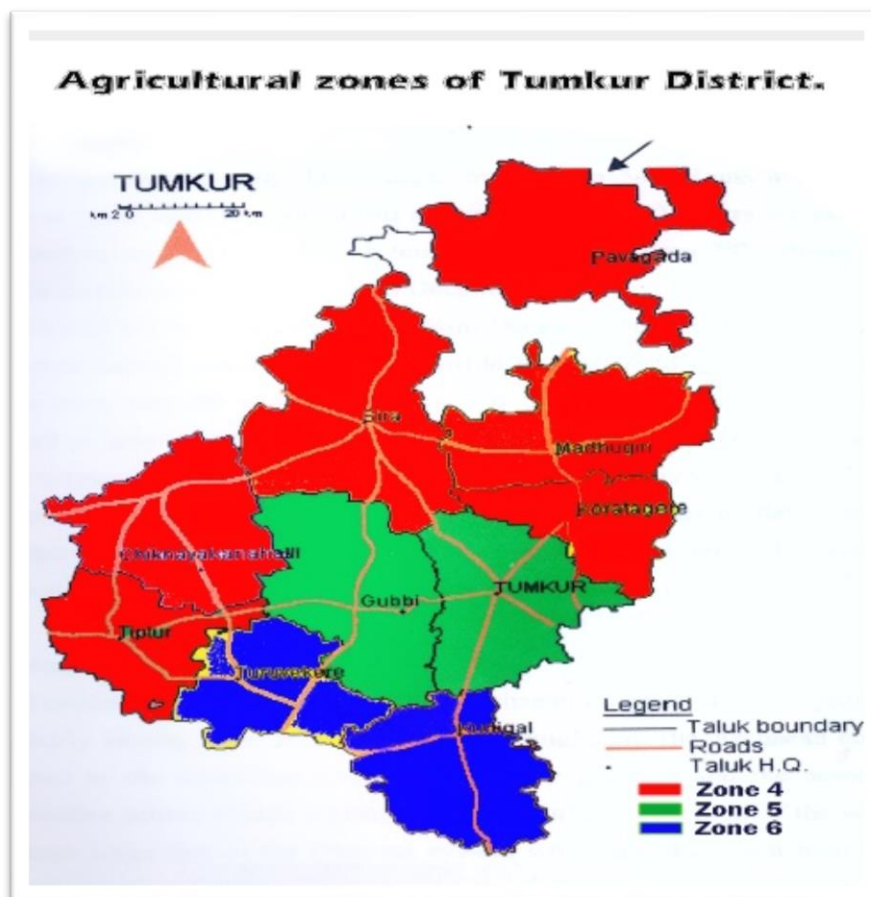
Tumakuru district comprises of 3 Agro climatic zones (Table 1.4a and Fig.1.13), viz., (1.) Central dry zone (Zone-4) covering Pavagada, Madhugiri, Koratagere, Sira, Chikkanayakanahally and Tiptur taluks. (2.) Eastern dry zone (Zone-5) covering Tumakuru and Gubbi taluks and (3.) Southern dry zone (Zone-6) covering Kunigal and Turuvekere taluk.

The temperature in the district start rising from January to peak in May and hovers around 40<sup>0</sup>celcius (Table 1.7). Thereafter, it declines during the monsoon period. The humidity is lowest during the dry season and highest during the monsoon period. The winds are predominantly south westerly during the summer monsoon and north easterly during the winter monsoon. The annual potential evapotranspiration is 497.33 mm during summer,373.08 mm during winter and 691.21 mm during monsoon (Table 1.8).Although the district has 3 Agro-climatic zones, but the soil and rainfall characteristics remain almost similar with minor differences in respect of land-slope. All the taluks have Alfisols with shallow depth and red sandy soils.

The year may broadly be classified into four seasons. The dry season is from January to February. It is followed by hot weather from March to May. Over 18 percent of annual rainfall occurs during the pre monsoon season. The monsoon season is from June to September. Monsoon season yields nearly 52 per cent of the annual precipitation in the district (Fig. 14).

The post monsoon period is from October to December which contributes around 30 percent of annual rainfall. On an average, annually over 743 mm rainfall occurs in nearly 46 rainy days. The district is generally, an open tract except in the south of Kunigal taluk, where the area is covered with intensive thick forests with hills. The other parts consist of mainly undulating plains interspersed with clumps of tall and well grown trees. To the east of Tumakuru and north of Devarayana Durga, the region presents beautiful scenery of hill ranges intersected by cultivated valleys. Long ranges of hills running roughly south-south east direction occupy the western part of the district. A narrow range of granitic hills grouped under closepet granites occupies the eastern part. These hills pass through the taluks of Pavagada, Madhugiri, Koratagere and northern parts of Tumakuru. In the eastern part, the hills comprising of schistose rocks passes through Chikkanayakanahalli, Sira, and Gubbi taluks. The prominent hills in the eastern range of hills are Kamandadurga (1077 m), Nidugal (1148m), Madhugiridurga (1199 m), Channarayadurga (1138 m) Koratagiri (879m), Devarayanadurga (1187m), Nijogal (1086m), Hutridurga (1130) and Huliyardurga (844m) above mean sea level. The landmass in the plains ranges between 450 to 840 m above msl. While hilly areas range between 840 to 1500 m above msl.

**Fig. 1.13: Agro-Climatic Zones of Tumakuru district**





**Table 1.7: Agro Ecological Zones of Tumakuru District**

<b>Sl. No.</b>	<b>Taluk</b>	<b>Agro ecological zone</b>	<b>Area (ha)</b>	<b>Normal Annual Rainfall (mm)</b>	<b>No of Rainy Days</b>
1	C.N.Halli	Central Dry Zone-4	112998	755	46
2	Sira	Central Dry Zone-4	122057	789	49
3	Pavagada	Central Dry Zone-4	70919	763	46
4	Madhugiri	Central Dry Zone-4	99110	829	52
5	Koratagere	Central Dry Zone-4	112119	708	44
6	Tumakuru	Eastern Dry Zone -5	135849	604	37
7	Gubbi	Eastern Dry Zone -5	155377	625	38
8	Tiptur	Central Dry Zone-4	76510	713	45
9	Turvekere	Southern Dry Zone-6	103852	878	53
10	Kunigal	Southern Dry Zone-6	75964	762	46
<b>Total</b>			<b>1064755</b>	<b>743</b>	<b>46</b>

Source: KSNDMC

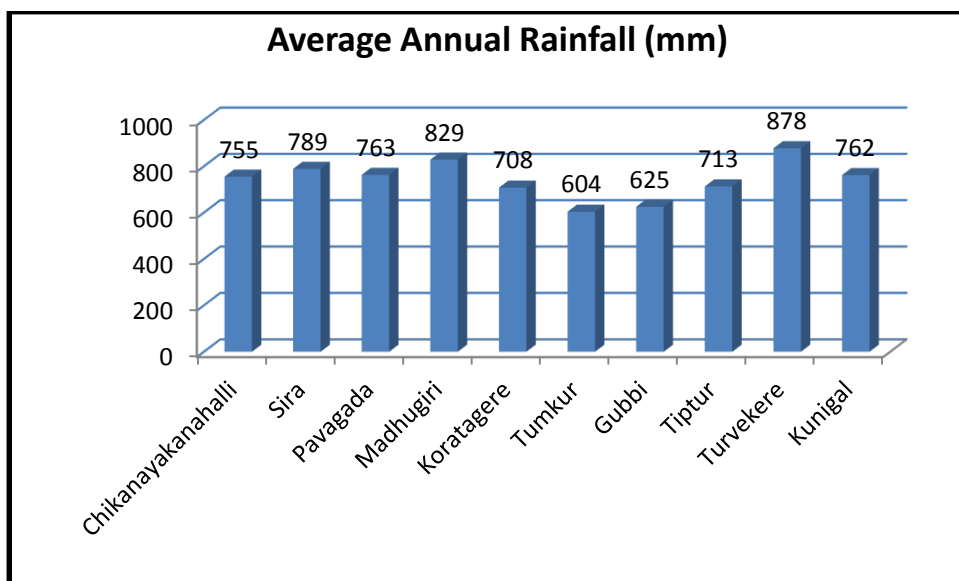
**Table 1.8: Agro-Ecology, Climate, Hydrology and Topography of the District**

Sl. No	Taluk	Average Weekly Temperature (°C)					
		Period					
		Summer(April-May)		Winter (Oct-Mar.)		Rainy (June-Sept.)	
		Min	Max	Min	Max	Min	Max
1	Chikanayakanahalli	22	36	20	34	21	32
2	Sira	19	33	14	31	19	31
3	Pavagada	19	36	15	32	20	32
4	Madhugiri	18	36	14	32	18	32
5	Koratagere	19	36	15	32	20	32
6	Tumakuru	17	37	12	33	16	35
7	Gubbi	17	37	12	33	16	35
8	Tiptur	20	36	16	33	20	31
9	Turvekere	19	33	14	31	19	31
10	Kunigal	19	33	14	31	19	31
	<b>Total</b>	<b>19</b>	<b>35</b>	<b>15</b>	<b>32</b>	<b>19</b>	<b>32</b>

**Table 1.9: Agro-Ecology, Climate, Hydrology and Topography of the District**

Sl. No	Taluk	Potential Evapo-Transpiration (PET-mm)			Cumulative total	Elevation (m.M.S.L)		
		Summer	Winter	Rainy season		Min	Max	Mean
1	Chikanayakanahalli	474	372	679	<b>1525</b>	552	978	765
2	Sira	476	374	687	<b>1536</b>	616	865	741
3	Pavagada	532	369	659	<b>1560</b>	611	1138	875
4	Madhugiri	473	377	712	<b>1562</b>	564	1130	847
5	Koratagere	506	381	779	<b>1665</b>	535	1199	867
6	Tumakuru	523	376	680	<b>1579</b>	396	1148	772
7	Gubbi	476	375	662	<b>1512</b>	501	810	656
8	Tiptur	463	359	814	<b>1635</b>	667	930	799
9	Turvekere	480	382	660	<b>1522</b>	669	1187	928
10	Kunigal	571	365	581	<b>1518</b>	646	848	747
<b>Total</b>		<b>497</b>	<b>373</b>	<b>691</b>	<b>1562</b>	<b>576</b>	<b>1023</b>	<b>800</b>

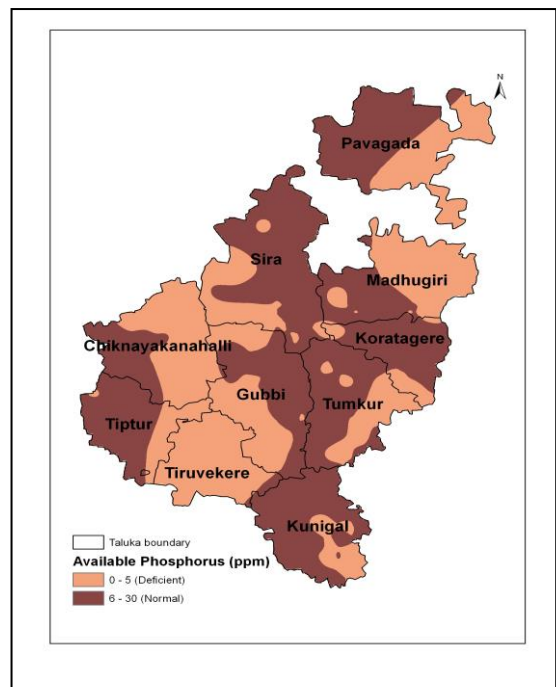
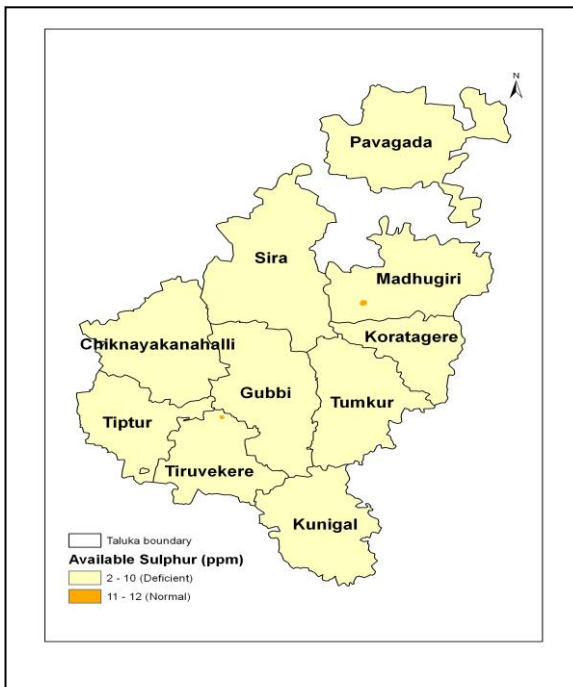
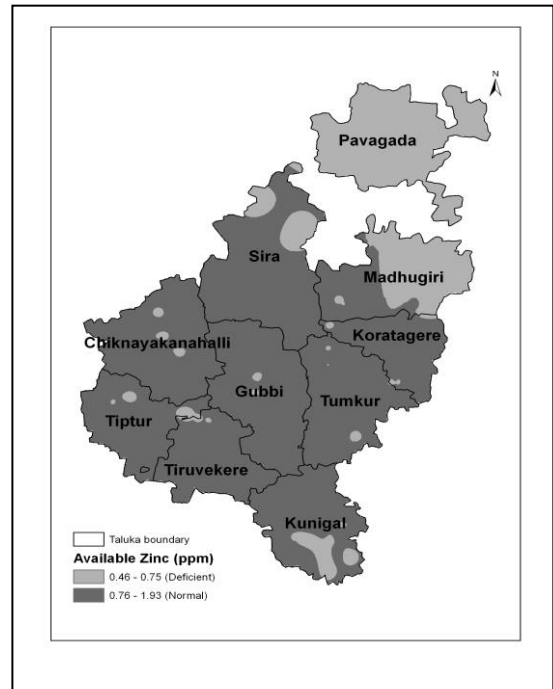
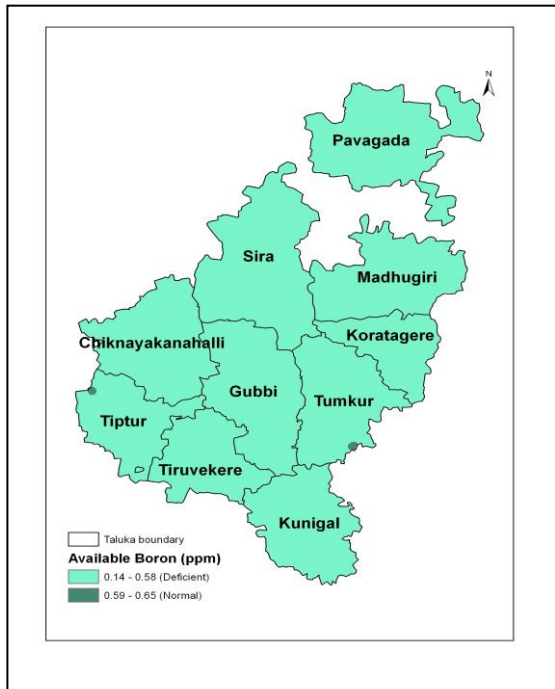
**Fig. 1.14: Taluk-wise Average Annual Rainfall in Tumakuru District**

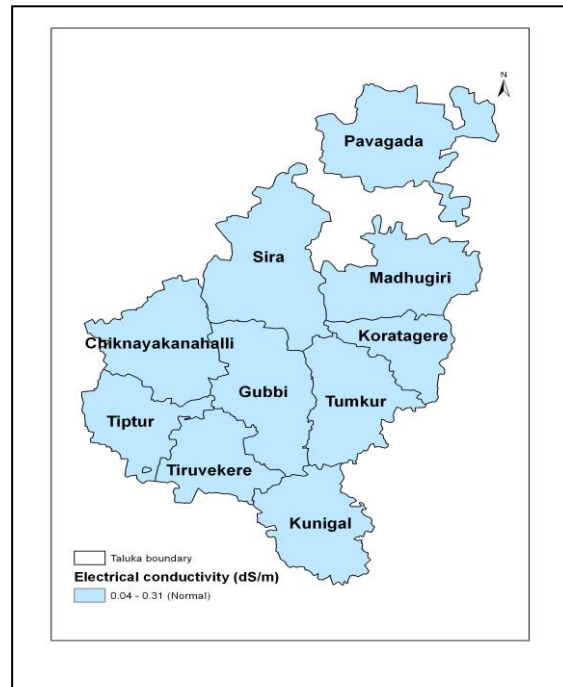
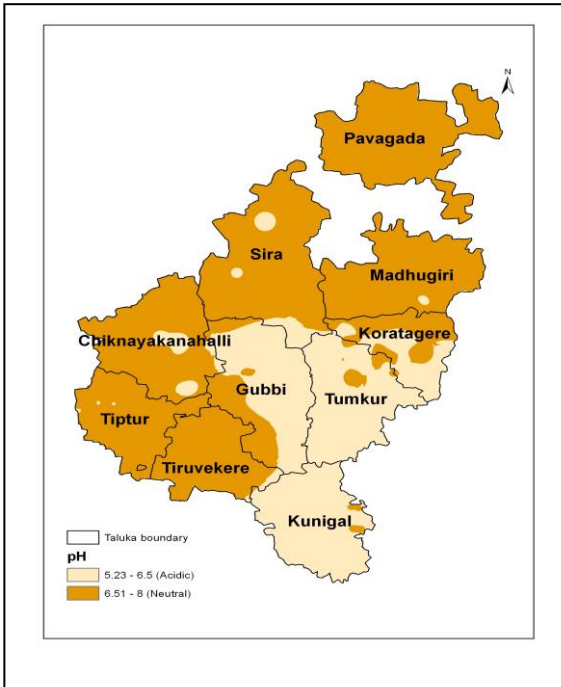
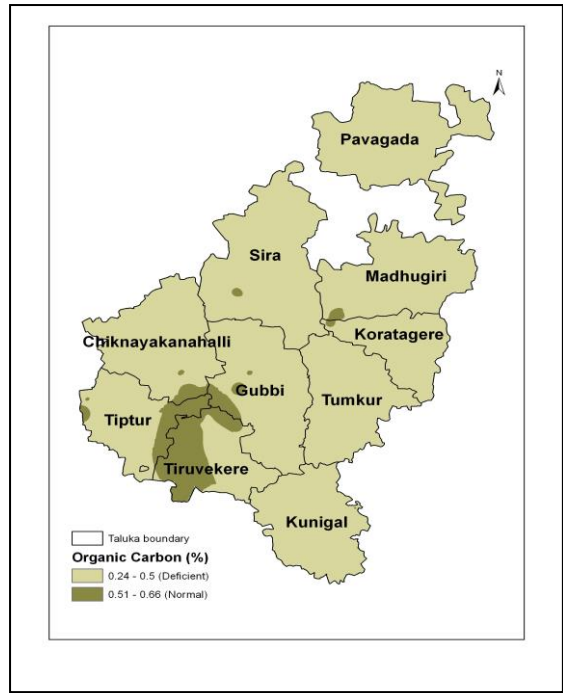
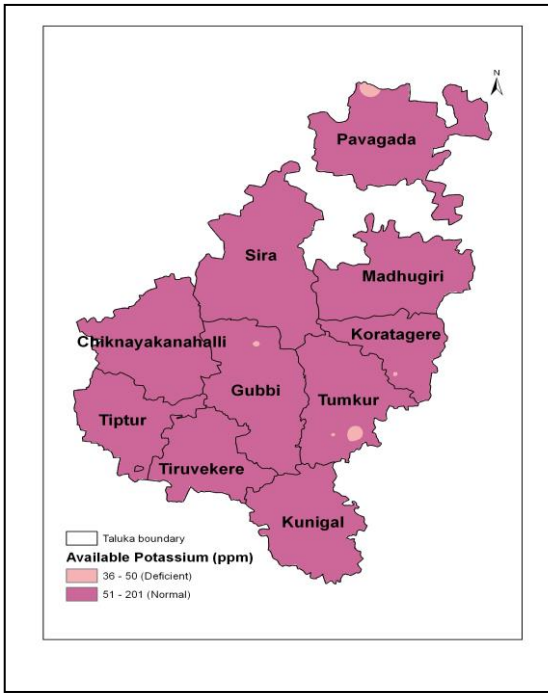


### 1.5 Soil Profile

Soils are moderately eroded, shallow in depth and well drained to excessively drained. 43 percent of the area is red clay, 20 percent is red gravelly loam, 13 percent soil is red gravelly clay and 12 percent is loamy alluvial. Major portion of the soil is 1-3 % sloppy. In Kunigal, Turuvekere, Koratagere and Madhugiri taluks, soils are nearly slopy (5-10 %). Very steep (10-15%) lands are found in parts of Pavagada, Koratagere, Madhugiri, Sira and Chikkanayakanahalli taluks. The soil pH is neutral in C.N.Halli. Tiptur, Turuvekere, Madhugiri, Sira, Pavagada and parts of Koratagere and Gubbi, while it is acidic in Tumakuru, Kunigal, major parts of Gubbi and Koratagere. The E.C. (0.8 dS/m) is normal, while the organic carbon status is deficient (<0.5%) in major part of the district and sufficient (>0.5%) in certain parts of Tiptur, Turuvekere, Gubbi, C.N.Halli and Madhugiri. Major parts of Tiptur, Kunigal, Tumakuru, Sira, Gubbi, Pavagada, Madhugiri, Koratagere and C.N.Halli are sufficient (>5 ppm) in available Phosphorous, while Turuvekere and the remaining parts are deficient (<5 ppm). The district as whole is sufficient in Available Potassium and Available Sulphur. Tumakuru, Tiptur, Turuvekere, C.N.Halli, Gubbi, Koratagere and part of Sira and Kunigal are sufficient (>0.75 ppm) in available zinc while Pavagada and parts of Madhugiri and Sira are deficient (<0.75 ppm). Tumakuru district as a whole is deficient (<0.58 ppm) in Available Boron. A detailed information on soil profile is presented in Table 1.5 and soil fertility status for important micro nutrients is shown in Fig.1. 15. Soil map of Tumakuru district is shown in Fig.1.16. The soils of the district with traditional names are presented in Fig.1.17.

**Fig 1.15: Fertility Status and pH of Soils in Tumakuru district**

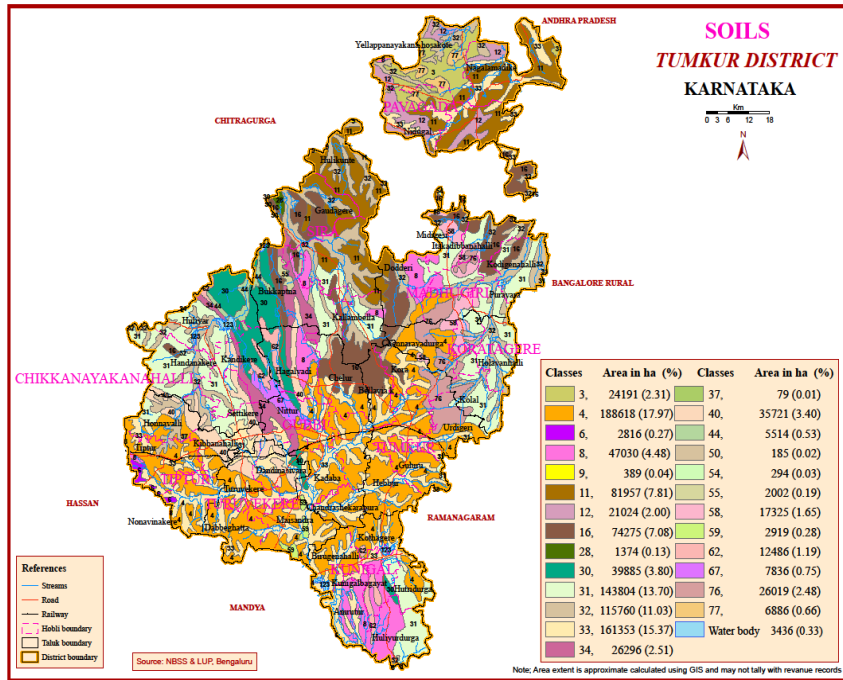




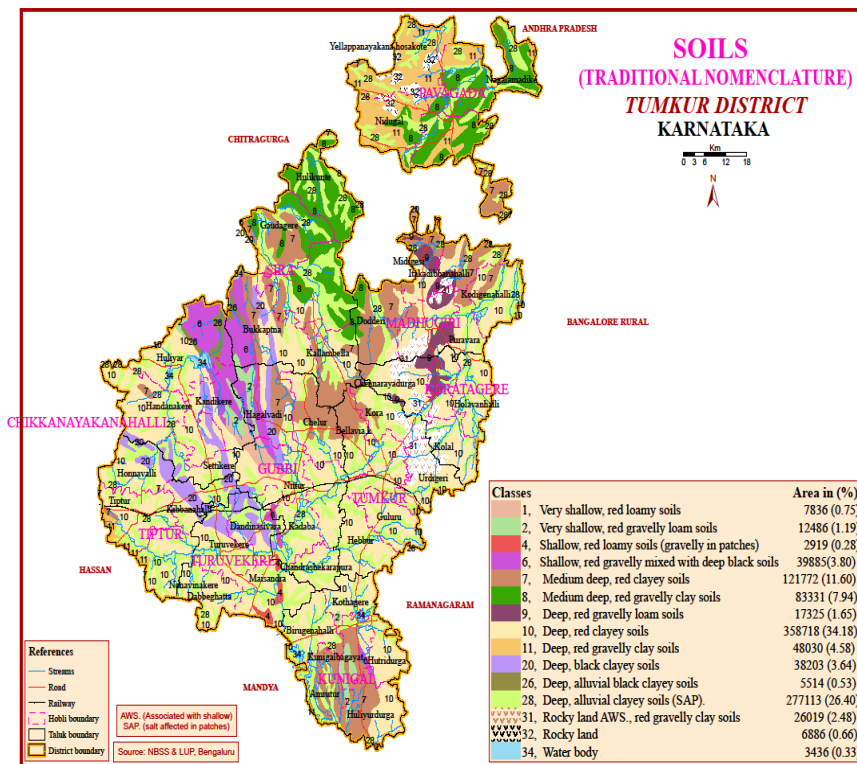
**Table 1.10: Soil Profile**

Soil Type		% Land Slope & Area in ha	
Major Soil Classes	Area (ha)	0-3%	3-8%
Very Shallow, red loamy soils	7836	501235	
Very Shallow, red gravelly loam soils	12486		511897
Shallow, red loamy soils (gravelly in patches)	2919		
Shallow, red gravelly mixed with deep black soils	39885		
Medium deep, red clayey soils	121772		
Medium deep, red gravelly clay soils	83331		
Deep, red gravelly loam soils	17325		
Deep, red clayey soils	358718		
Deep, red gravelly clay soils	48030		
Deep, black clayey soils	38203		
Deep, Alluvial black clayey soils	5514		
Deep, Alluvial clayey soils (SAP)	277113		
Rocky Land AWS, Red gravelly clay soils	26019		
Rocky Land	6886		
Water Body	3436		
<b>Total</b>	<b>1049473</b>	<b>501235</b>	<b>511897</b>

**Fig.1.16: Soil Map of Tumakuru District**



**Fig.1.17: Map of Traditional Names of Soils in Tumakuru District**



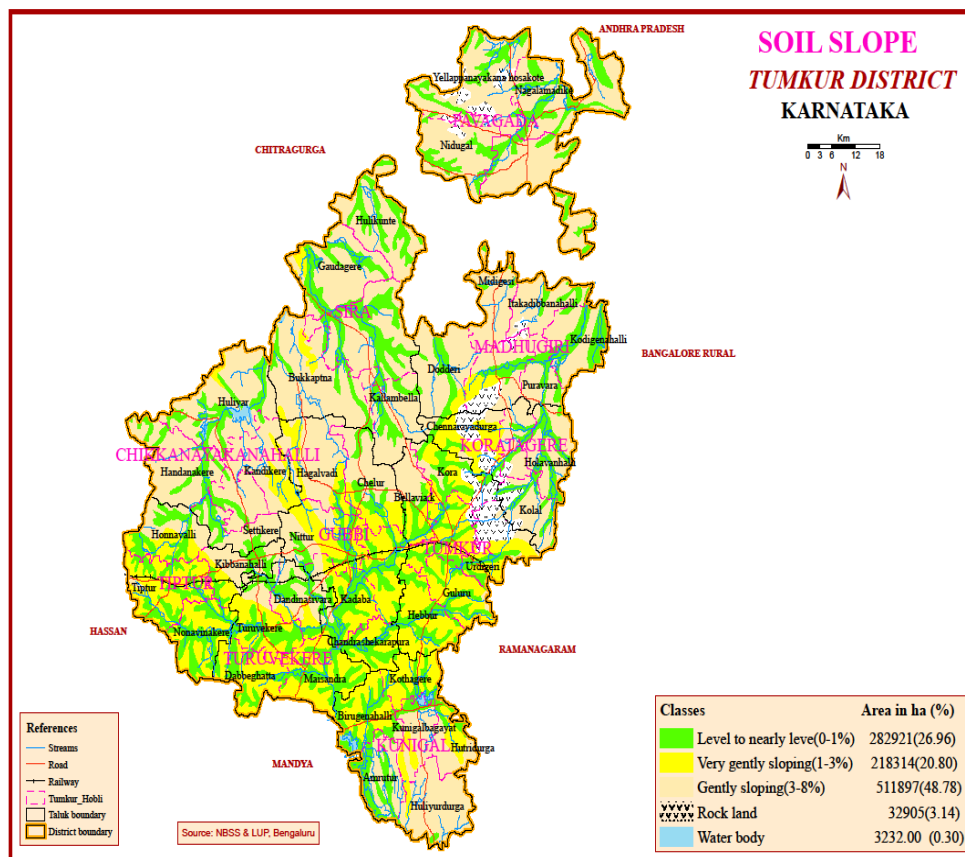
**Terrain Type:** The district is generally, an open tract except in the south of Kunigal taluk, where the area is covered with intensive thick forests with hills. The other parts consist of mainly undulating plains interspersed with clumps of tall and well grown trees. To the east of



Tumakuru and north of Devarayana Durga, the region presents beautiful scenery of hill ranges intersected by cultivated valleys.

Long ranges of hills running roughly south-south east direction occupy the western part of the district. A narrow range of granitic hills grouped under closepet granites occupies the eastern part. These hills pass through the taluks of Pavagada, Madhugiri, Koratagere and northern parts of Tumakuru. In the eastern part, the hills comprising of schistose rocks passes through Chikkanayakanahalli, Sira and Gubbi taluks. The prominent hills in the eastern range of hills are Kamandadurga (1077 m), Nidugal (1148m), Madhugiridurga (1199 m), Channarayadurga (1138 m) Koratagiri (879m), Devarayanadurga (1187m), Nijogal (1086m), Hutridurga (1130) and Huliyardurga (844m) above mean sea level. The landmass in the plains ranges between 450 to 840 m above msl. While hilly areas range between 840 to 1500 m above msl. The slope of the soils in Tumakuru district is shown in Fig.1.18.

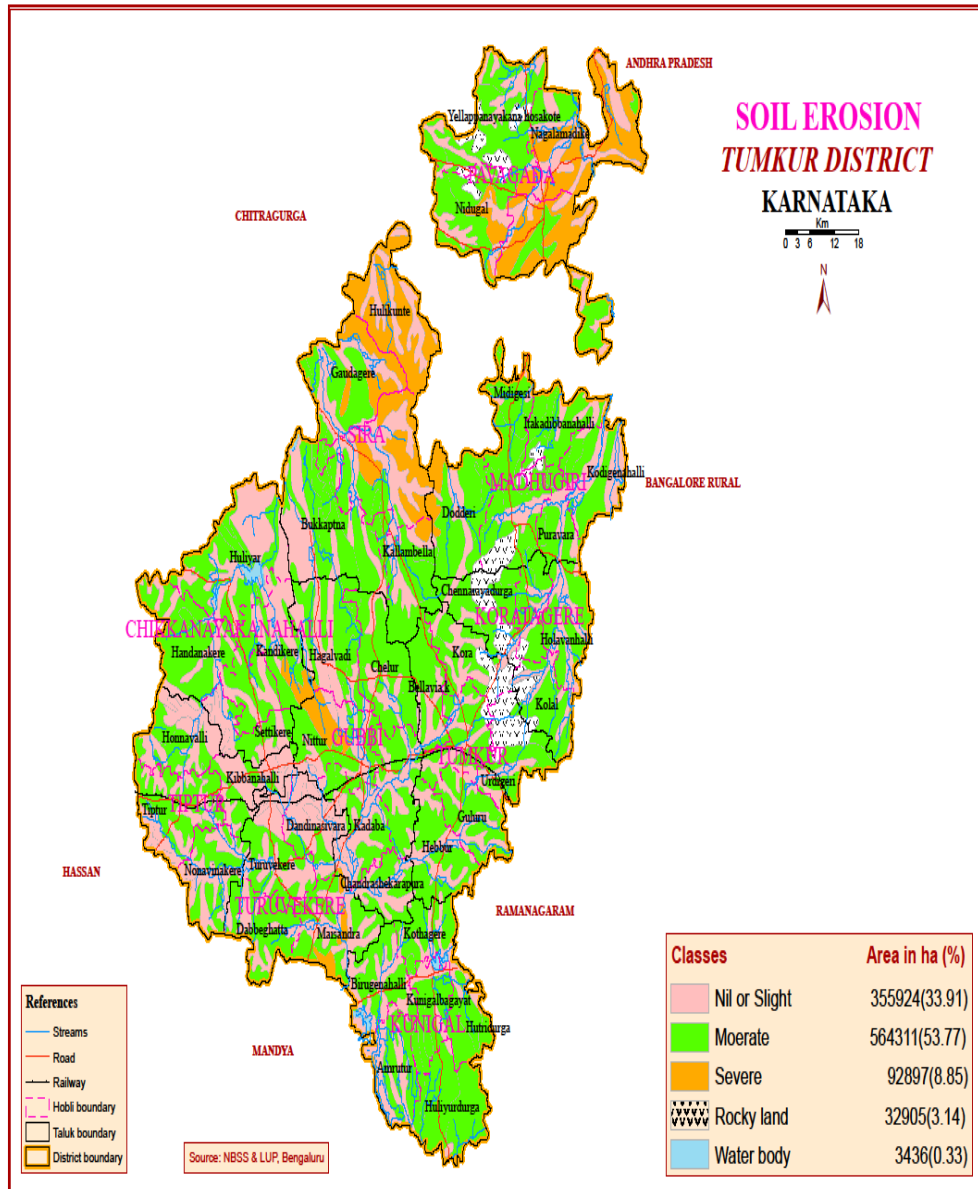
**Fig1.18: Slope of the Soils in Tumakuru District**



## 1.6 Soil Erosion and Runoff Status

Various Watershed programmes are being implemented by different departments and agencies to check soil erosion particularly water /run-off erosion, conserve moisture and to maintain soil fertility. The details about various watershed programmes being implemented in the district are shown in Table 1.6 and Soil erosion map of Tumakuru district is presented in Fig 1.19.

**Fig1.19: Soil Erosion Map of Tumakuru District**



**Table 1.11: Drought Frequency Status**

<b>Name of the Micro Watershed</b>	<b>Area of the watershed (Ha)</b>	<b>Name of the Talukas covered</b>	<b>Drought Frequency</b>
IWMP -1/09-10	2700.98	C.N.Halli	Once in three years
IWMP -'2/09-10	2426.87	Gubbi	Once in three years
3/09-10	2452.86	Sira	Once in three years
4/09-10	2424.42	Pavagada	Once in three years
5/09-10	2286.30	Madhugiri	Once in three years
6/09-10	2734.75	Koratagere	Once in three years
7/09-10	2481.27	Tumakuru	Once in three years
8/09-10	2785.13	Tiptur	Once in three years
9/10-11	2635.00	Pavagada	Once in three years
10/10-11	4928.25	Madhugiri	Once in three years
11/10-11	3500.20	Sira	Once in three years
12/10-11	3671.00	Koratagere	Once in three years
13/10-11	4450.40	Turuvekere	Once in three years
14/10-11	4524.10	Gubbi	Once in three years
15/10-11	3621.00	Tiptur	Once in three years
16/10-11	4977.00	Tumakuru	Once in three years
17/10-11	3503.01	C.N.Halli	Once in three years
18/10-11	4155.00	Kunigal	Once in three years
19/11-12	5400.20	Madhugiri	Once in three years
20/11-12	5116.46	Pavagada	Once in three years
21/11-12	5791.80	Sira	Once in three years
22/11-12	4818.18	Koratagere	Once in three years
23/11-12	4616.52	Turuvekere	Once in three years
24/11-12	3785.00	Tiptur	Once in three years
25/12-13	4232.83	Kunigal	Once in three years
26/12-13	4998.00	Sira	Once in three years
27/12-13	5034.00	Gubbi	Once in three years
28/12-13	6211.79	C.N.Halli	Once in three years
29/13-14	5452.00	Madhugiri	Once in three years
30/13-14	5375.35	Pavagada	Once in three years
31/13-14	5002.75	Tumakuru	Once in three years
32/13-14	5642.07	Gubbi	Once in three years
33/13-14	5021.00	Sira	Once in three years
34/13-14	4791.95	Kunigal	Once in three years
35/14-15	4000.00	Madhugiri	Once in three years

<b>Name of the Micro Watershed</b>	<b>Area of the watershed (Ha)</b>	<b>Name of the Talukas covered</b>	<b>Drought Frequency</b>
36/14-15	4138.59	Pavagada	Once in three years
37/14-15	4214.61	Gubbi	Once in three years
38/14-15	4028.00	Sira	Once in three years
39/14-15	4830.33	Turuvekere	Once in three years
40/14-15	4985.57	C.N.Halli	Once in three years
	<b>167744.54</b>		

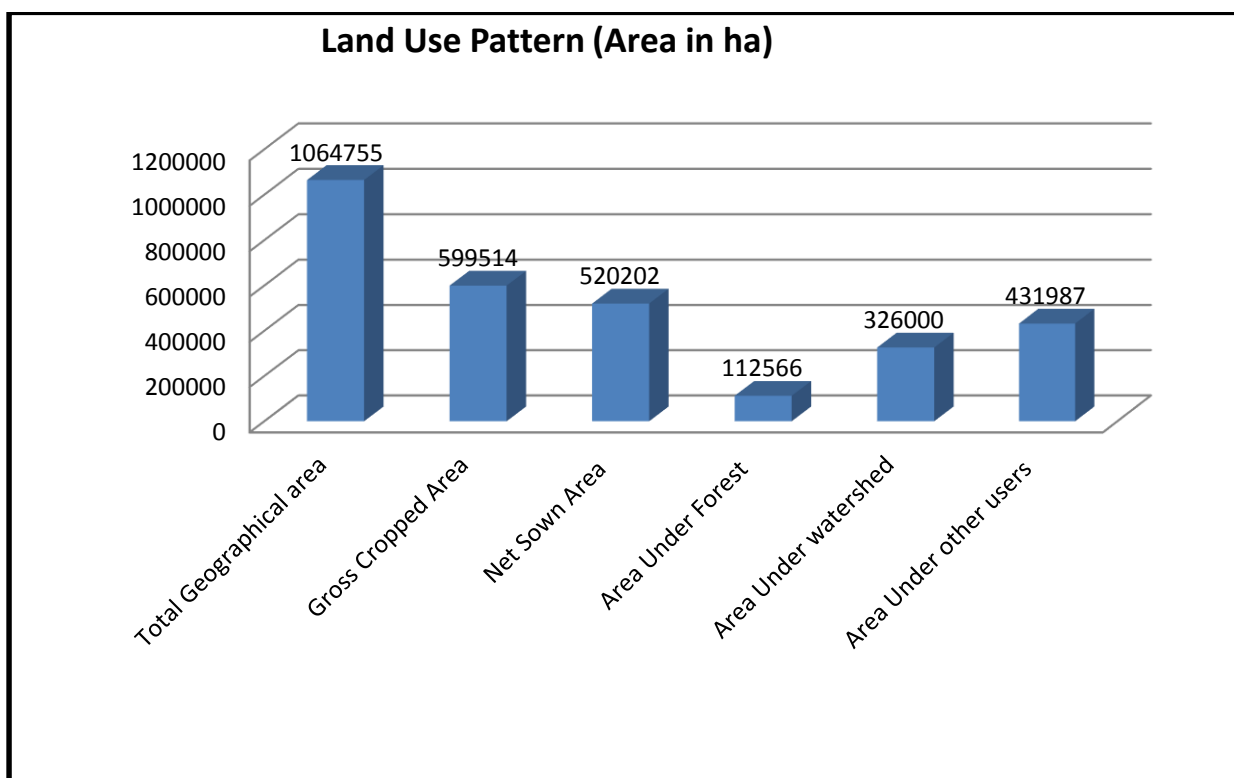
**1.7 Land Use Pattern:** The information pertaining to Land use pattern of Tumakuru district is given in Table 1.12

**Table: 1.12. Land Use Pattern (Area in Ha)**

Sl No	Name of the Taluk	No.of Gram Panchayats	No.of Villages covered	Total Geographical area in ha	Area Under Agriculture & Horticulture(ha)				Area Under Forest	Area Under waste land	Area Under other users
					Gross Cropped Area (1)	Net Sown Area (2)	Area Sown more than once (1-2)	Cropping Intensity (%)			
1	Chikkanayakanahalli	28	233	112998	75516	63557	11959	118.82	7990	36530	4921
2	Gubbi	34	346	122057	83245	72271	10974	115.18	19024	24101	6661
3	Koratagere	24	251	70919	39876	37745	2131	105.65	9512	19307	4355
4	Kunigal	36	314	99110	51007	44006	7001	115.91	10081	38553	6470
5	Madhugiri	39	322	112119	43110	38295	4815	112.57	17161	47605	9058
6	Pavagada	34	153	135849	61158	54990	6168	111.22	10711	62207	7941
7	Sira	42	249	155377	68192	57850	10342	117.88	22987	55541	18999
8	Tiptur	26	231	76510	66377	53582	12795	123.88	3350	12089	7489
9	Tumakuru	41	373	103852	55528	51032	4496	108.81	10151	32903	9766
10	Turuvekere	27	243	75964	55505	46874	8631	118.41	1599	18341	9150
<b>Total</b>		<b>331</b>	<b>2715</b>	<b>1064755</b>	<b>599514</b>	<b>520202</b>	<b>79312</b>	<b>114.83</b>	<b>112566</b>	<b>347177</b>	<b>84810</b>

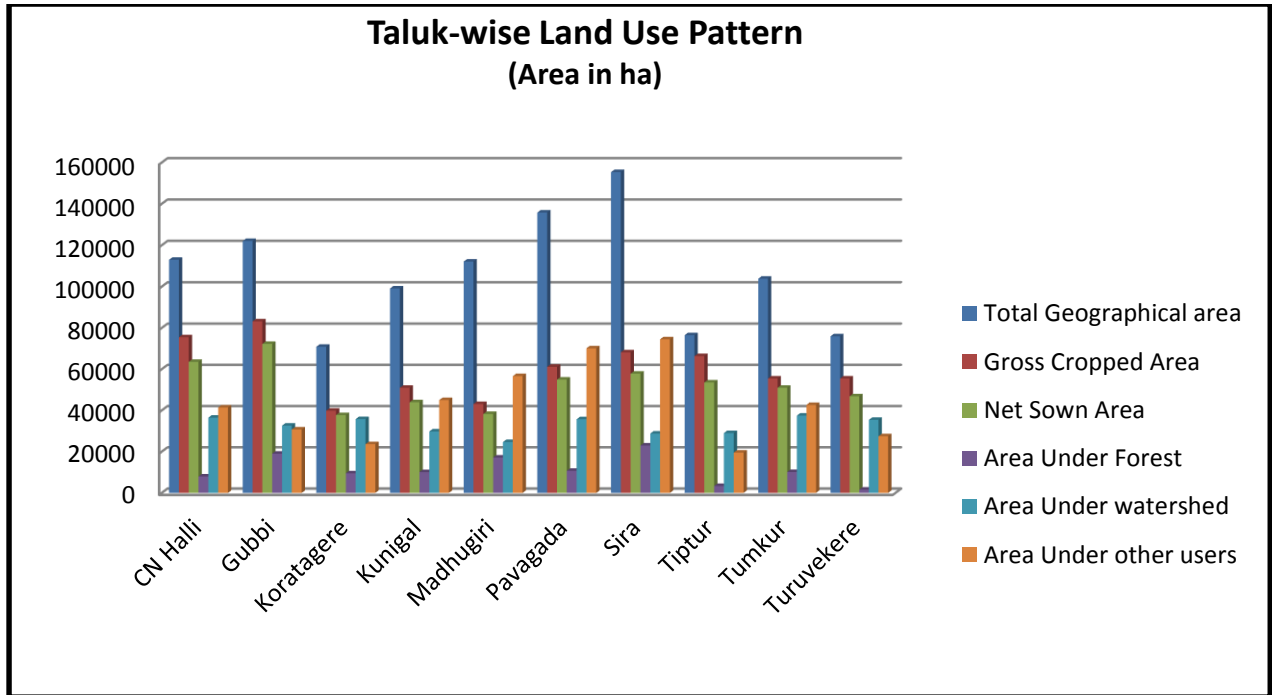
**Land Use Pattern:** As shown in Table 1.12, the total geographical area of Tumakuru district is 1064755 ha spread over 2715 villages of 10 taluks of the district. The net sown area is 520202 ha accounting for nearly half (48.86 per cent) of the geographical area of the district. About 15 per cent of the net sown area is sown more than once. Area under forest is 112566 ha sharing 10.57 per cent of the geographical area of Tumakuru district. The land put to non-agricultural uses, barren land, fallow land, pastures and grazing land etc, adds up to 431987 ha or 40.57 per cent of the geographical area. The Land use pattern of Tumakuru district is shown in Fig.1.20.

**Fig 1.20: Land use pattern of Tumakuru District**



Land use pattern varies across the taluks due to various reasons such as topography, area under forests, availability of irrigation facilities, rainfall and also population pressure. Taluk-wise land use is depicted in Fig.1.21.

**Fig 1.21: Taluk-wise Land use pattern of Tumakuru District**



### 1.8 Land Use Capability of Tumakuru District

Land use capability classification indicates the suitability of various kinds of soil for economic uses, mainly agriculture (P. Tiwari: <http://www.geographynotes.com/articles/land-capability-classification-of-india/962>). The classification devised for Indian conditions draws heavily from the classificatory approach followed by the United States Department of Agriculture. The guiding principles for this classification are the limitations imposed on the sustained use of soils by the basic characteristics of soils in combination with climate, topography, surface drainage, vegetation cover, erodibility and other natural hazards.

There are eight land capability classes which are indicated by Roman numbers I to VIII. Then, there are capability sub-classes and capability units. The classes I to IV include lands suited for cultivation and should be maintained under natural vegetation of forests or grasses. This scheme of land capability classification is based on economic returns in terms of agricultural output because agriculture is the most widespread and basic occupation in India.

## **The various classes and their characteristic features are as follows:**

### **Class I:**

Soils in this class are very good. The soils are deep, productive and easily worked and nearly level. They are not subject to overflow (runoff) damage. However, they are subject to variations of fertility and puddle erosion. Soils of this class have slight or no risk of damage. These are the most productive parts of our country and are to be found in flood-plain regions of the country. Class-I soils used for crops need practices' to maintain soil fertility and soil structure. These practices involve use of fertilisers, cover cropping, green manure crop and crop rotation.

### **Class-II:**

As far as natural conditions are concerned, the land is excellent, but some limitation is possible, which may restrict the choice of crops to some extent. Soils of this group can be cultivated with easily applied practices, and a majority of crops can be grown. They are, however, subject to moderate risk of damage. Soils of this group have gentle slopes and are subject to moderate erosion. They are also subject to moderate overflows. These are areas of specialised cropping and are commercially one of the most suitable parts of our land. These soils may require special practices, such as contour tillage, crop rotation and water-control devices.

### **Class III:**

These are moderately good soils. They can be used regularly for crops. These soils have steep slopes and suffer from either some ecological problem (as soil erosion) or climatic problem (rainfall irregularity) which inhibits intensive commercial exploitation. Also, these soils are inherently low in fertility. These soils require cropping systems that produce adequate plant cover. The cover is needed to protect the soil from erosion. It also helps protect the soil structure. Also, proper surface drainage should be ensured and practices like contour tillage undertaken.

### **Class IV:**

These soils are affected by severe permanent hazards like waterlogging and water deficiency. They occur frequently on steep slopes which are vulnerable to erosion. The soils are low in fertility. Commercial exploitation is nearly absent. Subsistence farming is practised and mainly coarse grains are grown on these soils. These soils should be kept in pastures. A



grain crops may be grown once in five or six years. Soil and moisture conservation measures, like water disposal of terraces, contour tillage and stabilisation of gullies, should be undertaken.

**Class V:**

These soils are found in foothills or in mountain valleys and are suitable for grasses, shrubs, etc. These soils should be used for pasture or forestry operations. Cultivation is not feasible because these soils are wet and stony. The land is nearly level and subject only to slight erosion by wind or water, if properly managed. There are few permanent limitations. Grazing should be regulated in these soils.

**Class VI:**

These soils have moderate permanent limitations and are unsuitable, for cultivation. These soils should be used for grazing and forestry. They are steep and shallow and more prone to erosion than class V soils. Grazing should not be permitted in these soils. They suffer from certain environmental constraints as well and are the environmentally fragile zones of our country.

**Class VII:**

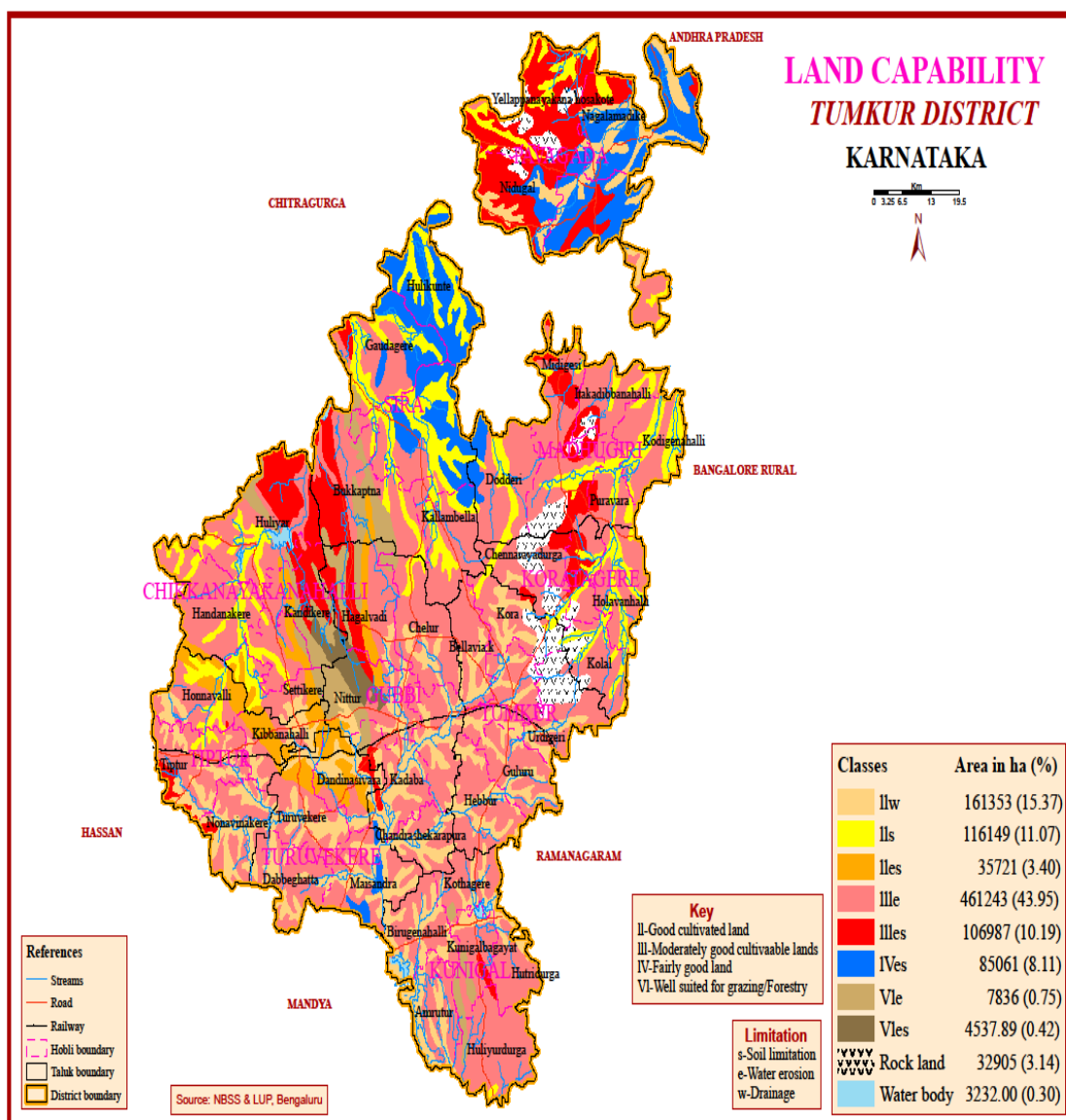
The severity of environmental constraints is much greater in these soils, compared to class VI soils. As a result, these soils are subject to severe permanent hazards. They are fair to poor for grazing or forestry. These soils are steep, eroded, shallow or swampy and are completely unsuitable for cultivation. Strict management should be applied to these soils.

**Class VIII:**

These occur in those parts which have no direct potential for exploitation for living. These soils can serve the purposes of preserving some rare species or acting as a water catchment zone. Soils of this class are extremely rough, arid or swampy and are unsuitable for cultivation. They are not suited for forestry or grazing. They may be used for wildlife sanctuaries, recreation or watershed uses.

As discussed above, land capability influences the use of land for different purposes or its limitation for agriculture use. The land use capability map of Tumakuru district is shown in Fig.1 22.

**Fig1.22: Land Use Capability of Tumakuru District**



## **CHAPTER – II**

### **District Water Profile**

Water resources are used in various ways including direct consumption, livestock, irrigation, fisheries, hydro-power, industrial production etc. Water has sources and supplies, economic, social, and political characteristics which make it a unique and challenging natural resource to manage. Agriculture consumes about 70% of fresh water worldwide. The increasing demands placed on the global water supply threaten bio-diversity and the supply of water for food production and other vital human needs. According to current estimates, out of the 142 million hectares of agricultural land in India, only about 45 per cent has any arrangement for artificial irrigation. The rest of the agricultural farm is dependent solely on rainfall for its water needs. A delay in rainfall or a failure spells disaster for the farmers and shortfall in crop production is the natural consequence.

In this chapter, the area wise, crop wise irrigation status and irrigation based classification of Tumakuru District are discussed.

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

In Tumakuru district, field crops occupy 68.3 % (4.61 lakh ha) out of total net cropped area of 6.76 lakh ha. Among field crops, cereals occupy 2.35 lakh ha of area, out of which finger-millet is grown on 1.71 lakh ha. followed by maize on 31262 ha. and paddy on 18762 ha. Pulses occupy an area of 69920 ha, out of which dry land pulses like-red gram occupies a major area 21280 ha, followed by horse gram 16425 ha 35250 ha followed by green-gram (13200 ha) and avare 11605 Ha. The total area of oil-seeds in the district is 142871 ha. of which groundnut occupies a lion's share of 128729 ha.

The cropping intensity of the district is 114.83 % indicating that the gross cropped area is 599514 ha. Productivity of all the crops is low as compared to state averages, since the crops are grown mostly under rainfed conditions. Nevertheless, there is very good scope to increase the productivity of many crops such as maize, ragi, red-gram, groundnut and cotton.

Horticulture sector is one of the important sector in the district. The total area of horticultural crops in the district is around 2.148 lakh with increasing trend every year due to high yield potential and higher income. Major fruit crops grown in the district are mango, sapota, papaya, banana, pomegranate and vegetables like tomato, onion and chillies. The district has huge area under plantation crops (1.77 lakh ha.) mainly coconut and arecanut.

**Table 2.1: Area-wise, Crop-wise Irrigation Status in Tumakuru District**

Name of the Block:Tumkur Dt															
Crop Type	Kharif (Area in ha)			Rabi (Area in ha)			Summer Crop (Area in ha)			Total (Area in ha)			Horticulture & Plantation Crops (Area in ha)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
A) cereals	27780	198664	226444	990	630	1620	7090	0	7090	35860	199294	235154	0	0	0
B) Coarse Cereals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C) Pulses	230	69690	69920	0	5269	5269	175	0	175	405	74959	75364	0	0	0
D) Oil Seeds	2422	140449	142871	20	70	90	2490	0	2490	4932	140519	145451	0	0	0
E) Fibre	1350	150	1500	150	0	150	0	0	0	1500	150	1650	0	0	0
F)Sericulture Crops(Mulberry)	3958.08	0	3958.08	0	0	0	0	0	0	3958.08	0	3958.08	0	0	0
G) Horticulture Crops	0	0	0	0	0	0	0	0	0	0	0	0	161228.88	53665.09	214893.97
<b>Total</b>	<b>35740.08</b>	<b>408953</b>	<b>444693</b>	<b>1160</b>	<b>5969</b>	<b>7129</b>	<b>9755</b>	<b>0</b>	<b>9755</b>	<b>46655.08</b>	<b>414922</b>	<b>461577</b>	<b>161228.88</b>	<b>53665.09</b>	<b>214893.97</b>

**Name of the Block: C N Hally**

Crop Type	Kharif (Area in ha)			Rabi (Area in ha)			Summer Crop (Area in ha)			Total (Area in ha)			Horticulture & Plantation Crops (Area in ha)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
A) cereals	170	27262	27432	0	90	90	105	0	105	275	27352	27627	0	0	0
B) Coarse Cereals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C) Pulses	0	9350	9350	0	530	530	20	0	20	20	9880	9900	0	0	0
D) Oil Seeds	0	1420	1420	0	0	0	50	0	50	50	1420	1470	0	0	0
E) Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F)Sericulture Crops(Mulberry)	94.45	0	94.45	0	0	0	0	0	0	94.45	0	94.45	0	0	0
G) Horticulture Crops	0	0	0	0	0	0	0	0	0	0	0	0	21689.97	8306.03	29996.00
<b>Total</b>	<b>264.45</b>	<b>38032</b>	<b>38296.5</b>	<b>0</b>	<b>620</b>	<b>620</b>	<b>175</b>	<b>0</b>	<b>175</b>	<b>439.45</b>	<b>38652</b>	<b>39091.5</b>	<b>21689.97</b>	<b>8306.03</b>	<b>29996.00</b>

**Name of the Block: Gubbi**

Crop Type	Kharif (Area in ha)			Rabi (Area in ha)			Summer Crop (Area in ha)			Total (Area in ha)			Horticulture & Plantation Crops (Area in ha)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
A) cereals	2205	28780	30985	120	20	140	1560	0	1560	3885	28800	32685	0	0	0
B) Coarse Cereals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C) Pulses	150	7950	8100	0	740	740	20	0	20	170	8690	8860	0	0	0
D) Oil Seeds	10	1440	1450	0	0	0	100	0	100	110	1440	1550	0	0	0
E) Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F)Sericulture Crops(Mulberry)	53.70	0	53.7	0	0	0	0	0	0	53.7	0	53.7	0	0	0
G) Horticulture Crops	0	0	0	0	0	0	0	0	0	0	0	0	34707.19	10616.81	45324.00
<b>Total</b>	<b>2418.7</b>	<b>38170</b>	<b>40588.7</b>	<b>120</b>	<b>760</b>	<b>880</b>	<b>1680</b>	<b>0</b>	<b>1680</b>	<b>4218.7</b>	<b>38930</b>	<b>43148.7</b>	<b>34707.19</b>	<b>10616.81</b>	<b>45324.00</b>

**Name of the Block: Kunigal**

Crop Type	Kharif (Area in ha)			Rabi (Area in ha)			Summer Crop (Area in ha)			Total (Area in ha)			Horticulture & Plantation Crops (Area in ha)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
A) cereals	8420	27157	35577	80	0	80	1200	0	1200	9700	27157	36857	0	0	0
B) Coarse Cereals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C) Pulses	0	7565	7565	0	694	694	5	0	5	5	8259	8264	0	0	0
D) Oil Seeds	222	1297	1519	0	0	0	150	0	150	372	1297	1669	0	0	0
E) Fibre	650	0	650	0	0	0	0	0	0	650	0	650	0	0	0
F)Sericulture Crops(Mulberry)	888.78	0	888.78	0	0	0	0	0	0	888.78	0	888.78	0	0	0
G) Horticulture Crops	0	0	0	0	0	0	0	0	0	0	0	0	8906.15	2907.85	11814.00
<b>Total</b>	<b>10180.78</b>	<b>36019</b>	<b>46199.8</b>	<b>80</b>	<b>694</b>	<b>774</b>	<b>1355</b>	<b>0</b>	<b>1355</b>	<b>11615.78</b>	<b>36713</b>	<b>48328.8</b>	<b>8906.15</b>	<b>2907.85</b>	<b>11814.00</b>

**Name of the Block: Tiptur**

Crop Type	Kharif (Area in ha)			Rabi (Area in ha)			Summer Crop (Area in ha)			Total (Area in ha)			Horticulture & Plantation Crops (Area in ha)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
A) cereals	410	21140	21550	0	40	40	1220	0	1220	1630	21180	22810	0	0	0
B) Coarse Cereals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C) Pulses	0	6600	6600	0	250	250	0	0	0	0	6850	6850	0	0	0
D) Oil Seeds	0	620	620	0	0	0	0	0	0	0	620	620	0	0	0
E) Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F)Sericulture Crops(Mulberry)	75.32	0	75.32	0	0	0	0	0	0	75.32	0	75.32	0	0	0
G) Horticulture Crops	0	0	0	0	0	0	0	0	0	0	0	0	23470.96	9703.04	33174.00
<b>Total</b>	<b>485.32</b>	<b>28360</b>	<b>28845.3</b>	<b>0</b>	<b>290</b>	<b>290</b>	<b>1220</b>	<b>0</b>	<b>1220</b>	<b>1705.32</b>	<b>28650</b>	<b>30355.3</b>	<b>23470.96</b>	<b>9703.04</b>	<b>33174.00</b>

**Name of the Block: Turuvekere**

Crop Type	Kharif (Area in ha)			Rabi (Area in ha)			Summer Crop (Area in ha)			Total (Area in ha)			Horticulture & Plantation Crops (Area in ha)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
A) cereals	1000	17550	18550	50	200	250	1600	0	1600	2650	17750	20400	0	0	0
B) Coarse Cereals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C) Pulses	0	5550	5550	0	500	500	20	0	20	20	6050	6070	0	0	0
D) Oil Seeds	0	1250	1250	0	0	0	0	0	0	0	1250	1250	0	0	0
E) Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F)Sericulture Crops(Mulberry)	87.25	0	87.25	0	0	0	0	0	0	87.25	0	87.25	0	0	0
G) Horticulture Crops	0	0	0	0	0	0	0	0	0	0	0	0	25686.5	9956.47	35642.97
<b>Total</b>	<b>1087.25</b>	<b>24350</b>	<b>25437.3</b>	<b>50</b>	<b>700</b>	<b>750</b>	<b>1620</b>	<b>0</b>	<b>1620</b>	<b>2757.25</b>	<b>25050</b>	<b>27807.3</b>	<b>25686.5</b>	<b>9956.47</b>	<b>35642.97</b>

**Name of the Block: Koratagere**

Crop Type	Kharif (Area in ha)			Rabi (Area in ha)			Summer Crop (Area in ha)			Total (Area in ha)			Horticulture & Plantation Crops (Area in ha)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
A) cereals	4050	23970	28020	80	30	110	385	0	385	4515	24000	28515	0	0	0
B) Coarse Cereals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C) Pulses	80	1130	1210	0	325	325	10	0	10	90	1455	1545	0	0	0
D) Oil Seeds	230	3885	4115	10	0	10	70	0	70	310	3885	4195	0	0	0
E) Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F)Sericulture Crops(Mulberry)	343.75	0	343.75	0	0	0	0	0	0	343.75	0	343.75	0	0	0
G) Horticulture Crops	0	0	0	0	0	0	0	0	0	0	0	0	5039.11	1531.89	6571.00
<b>Total</b>	<b>4703.75</b>	<b>28985</b>	<b>33688.8</b>	<b>90</b>	<b>355</b>	<b>445</b>	<b>465</b>	<b>0</b>	<b>465</b>	<b>5258.75</b>	<b>29340</b>	<b>34598.8</b>	<b>5039.11</b>	<b>1531.89</b>	<b>6571.00</b>

**Name of the Block: Madhugiri**

Crop Type	Kharif (Area in ha)			Rabi (Area in ha)			Summer Crop (Area in ha)			Total (Area in ha)			Horticulture & Plantation Crops (Area in ha)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
A) cereals	4450	15950	20400	100	150	250	475	0	475	5025	16100	21125	0	0	0
B) Coarse Cereals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C) Pulses	0	7450	7450	0	890	890	20	0	20	20	8340	8360	0	0	0
D) Oil Seeds	1050	15827	16877	10	10	20	650	0	650	1710	15837	17547	0	0	0
E) Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F)Sericulture Crops(Mulberry)	800.78	0	800.78	0	0	0	0	0	0	800.78	0	800.78	0	0	0
G) Horticulture Crops	0	0	0	0	0	0	0	0	0	0	0	0	4593.61	1306.39	5900.00
<b>Total</b>	<b>6300.78</b>	<b>39227</b>	<b>45527.8</b>	<b>110</b>	<b>1050</b>	<b>1160</b>	<b>1145</b>	<b>0</b>	<b>1145</b>	<b>7555.78</b>	<b>40277</b>	<b>47832.8</b>	<b>4593.61</b>	<b>1306.39</b>	<b>5900.00</b>

**Name of the Block: Pavagada**

Crop Type	Kharif (Area in ha)			Rabi (Area in ha)			Summer Crop (Area in ha)			Total (Area in ha)			Horticulture & Plantation Crops (Area in ha)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
A) cereals	2050	380	2430	440	50	490	285	0	285	2775	430	3205	0	0	0
B) Coarse Cereals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C) Pulses	0	6300	6300	0	1020	1020	10	0	10	10	7320	7330	0	0	0
D) Oil Seeds	700	63835	64535	0	60	60	1450	0	1450	2150	63895	66045	0	0	0
E) Fibre	0	0	0	100	0	100	0	0	0	100	0	100	0	0	0
F)Sericulture Crops(Mulberry)	964.95	0	964.95	0	0	0	0	0	0	964.95	0	964.95	0	0	0
G) Horticulture Crops	0	0	0	0	0	0	0	0	0	0	0	0	3021.09	626.91	3648.00
<b>Total</b>	<b>3714.95</b>	<b>70515</b>	<b>74230</b>	<b>540</b>	<b>1130</b>	<b>1670</b>	<b>1745</b>	<b>0</b>	<b>1745</b>	<b>5999.95</b>	<b>71645</b>	<b>77645</b>	<b>3021.09</b>	<b>626.91</b>	<b>3648.00</b>



**Name of the Block: Sira**

Crop Type	Kharif (Area in ha)			Rabi (Area in ha)			Summer Crop (Area in ha)			Total (Area in ha)			Horticulture & Plantation Crops (Area in ha)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
A) cereals	2100	9330	11430	0	0	0	100	0	100	2200	9330	11530	0	0	0
B) Coarse Cereals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C) Pulses	0	12150	12150	0	0	0	50	0	50	50	12150	12200	0	0	0
D) Oil Seeds	210	48635	48845	0	0	0	0	0	0	210	48635	48845	0	0	0
E) Fibre	700	150	850	50	0	50	0	0	0	750	150	900	0	0	0
F)Sericulture Crops(Mulberry)	522.32	0	522.32	0	0	0	0	0	0	522.32	0	522.32	0	0	0
G) Horticulture Crops	0	0	0	0	0	0	0	0	0	0	0	0	14662.70	3491.28	18153.98
<b>Total</b>	<b>3532.32</b>	<b>70265</b>	<b>73797.3</b>	<b>50</b>	<b>0</b>	<b>50</b>	<b>150</b>	<b>0</b>	<b>150</b>	<b>3732.32</b>	<b>70265</b>	<b>73997.3</b>	<b>14662.70</b>	<b>3491.28</b>	<b>18153.98</b>

**Name of the Block: Tumakuru**

Crop Type	Kharif (Area in ha)			Rabi (Area in ha)			Summer Crop (Area in ha)			Total (Area in ha)			Horticulture & Plantation Crops (Area in ha)		
	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total	Irrigated	Rainfed	Total
A) cereals	2925	27145	30070	120	50	170	160	0	160	3205	27195	30400	0	0	0
B) Coarse Cereals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C) Pulses	0	5645	5645	0	320	320	20	0	20	20	5965	5985	0	0	0
D) Oil Seeds	0	2240	2240	0	0	0	20	0	20	20	2240	2260	0	0	0
E) Fibre	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
F)Sericulture Crops(Mulberry)	126.78	0	126.78	0	0	0	0	0	0	126.78	0	126.78	0	0	0
G) Horticulture Crops	0	0	0	0	0	0	0	0	0	0	0	0	19451.60	5218.42	24670.02
<b>Total</b>	<b>3051.78</b>	<b>35030</b>	<b>38081.8</b>	<b>120</b>	<b>370</b>	<b>490</b>	<b>200</b>	<b>0</b>	<b>200</b>	<b>3371.78</b>	<b>35400</b>	<b>38771.8</b>	<b>19451.60</b>	<b>5218.42</b>	<b>24670.02</b>

The taluk wise, season wise and crop wise irrigation status of Tumakuru district is presented in Table 2.1. Out of total cultivable area of 6.76 lakh ha of area, 4.44 lakh ha area is cultivated during kharif, 7129 ha area is cultivated during rabi and 9755 ha is cultivated during summer. Horticultural crops are grown on an area of 2.14 lakh ha. Out of this, 1.61 lakh ha is irrigated and 0.53 lakh ha is rainfed.

## **2.2 Production and Productivity of Major Crops**

The production of agricultural crops in kharif under rainfed condition is 48.32 lakh Q/year and during rabi it is 0.37 lakh Q/year. The productivity of agricultural crops under rainfed condition in kharif is 1182 kg/ha and that in rabi is 498 Kg/ha.

The production of agricultural crops in kharif under irrigated condition is 8.25 lakh qtls, during rabi it is 0.235 lakh qtls and during summer it is 2.40 lakh qtls. The productivity of agricultural crops under irrigated condition in kharif is 2597 kg/ha and that in rabi and summer are 1999 and 2516 Kg/ha, respectively.

The production of horticultural crops under rain fed condition is 20.63 lakh qtls/year. The cost of cultivation of horticultural crops under rain fed condition is Rs.20910 /Ha. The production of horticultural crops (value of output) under irrigated condition is 47.71 lakh Q/year. The productivity of horticultural crops vary across crop groups. The cost of cultivation of horticultural crops under irrigated condition is Rs 35780 /Ha.

**Table 2.2 : Area, Production & Productivity of Crops during Kharif Season**

Sl. No.	Crops	Irrigated area (Ha)	Productivity Kgs/Ha)	Production (Quintals)	Rainfed area (Ha)	Productivity (Kgs/Ha)	Production (Quintals)
1	Rice	18300	2934	537501	462	516	5835
2	Jowar	0	0	0	1690	870	15744
3	Ragi	4125	2209	96290	167325	1540	2993575
4	Maize	5355	3019	161651	25907	2102	712597
6	M.Millets	0	0	0	3280	323	14407
<b>I</b>	<b>Total Cereals:</b>	<b>27780</b>	<b>1732</b>	<b>795441</b>	<b>198664</b>	<b>1070</b>	<b>3742158</b>
1	Redgram	180	568	1014	21100	329	62681
2	Avare	50	2585	1293	11605	994	127164
3	Blackgram	0	0	0	1320	150	3248
4	Horse gram	0	0	0	16425	619	89262
5	Cowpea & other	0	0	0	6040	602	29655
6	Green Gram	0	0	0	13200	305	46814
<b>II</b>	<b>Total Pulses:</b>	<b>230</b>	<b>1576</b>	<b>2307</b>	<b>69690</b>	<b>500</b>	<b>358822</b>
	<b>Total Foodgrains:</b>	<b>28010</b>	<b>1654</b>	<b>797748</b>	<b>268354</b>	<b>785</b>	<b>4100981</b>
1	Groundnut	1592	838	13344	127137	515	654590
2	Sesamum	0	0	0	885	116	1137
3	Sunflower	830	593	9662	5140	541	39883
4	Castor	0	0	0	4512	695	30446
5	Niger	0	0	0	1600	159	2867
6	Mustard	0	0	0	1175	138	1820
7	Soyabean						
<b>III</b>	<b>Total Oilseeds:</b>	<b>2422</b>	<b>557</b>	<b>23007</b>	<b>140449</b>	<b>376</b>	<b>730742</b>
<b>IV</b>	<b>Commercial Crops:</b>						
1	Cotton	650	618	4017	150	355	533
2	Sugarcane	650	103	670	0	0	0
3	Tobacco	50	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>1350</b>	<b>361</b>	<b>4687</b>	<b>150</b>	<b>355</b>	<b>533</b>
	<b>GRAND TOTAL</b>	<b>31782</b>	<b>2597</b>	<b>825441</b>	<b>408953</b>	<b>1182</b>	<b>4832256</b>

**Table 2.3: Area, Production & Productivity of Crops during RabiSeason**

Sl. No.	Crops	Irrigated area (Ha)	Productivity Kgs/Ha	Production (Quintals)	Rainfed area (Ha)	Productivity (Kgs/Ha)	Production (Quintals)
1	Rice	370	1470	10878	0	0	0
2	Jowar	50	106	530	480	956	4555
3	Ragi	320	776	4990	100	1560	1560
4	Maize	250	695	5795	0	0	0
6	M.Millets	0	0	0	50	485	243
<b>I</b>	<b>Total Cereals:</b>	<b>990</b>	<b>762</b>	<b>22193</b>	<b>630</b>	<b>1000</b>	<b>6357</b>
1	Redgram	0	0	0	0	0	0
2	Avare	0	0	0	20	385	77
3	Bengal gram	0	0	0	1845	584	10677
4	Horse gram	0	0	0	3250	538	19236
5	Cowpea & other	0	0	0	154	320	491
6	Green Gram	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5269</b>	<b>457</b>	<b>30480</b>
	<b>Total Foodgrains:</b>	<b>990</b>	<b>762</b>	<b>22193</b>	<b>5899</b>	<b>729</b>	<b>36837</b>
1	Groundnut	0	0	0	0	0	0
2	Sesamum	0	0	0	0	0	0
3	Sunflower	20	302	91	70	765	269
4	Castor	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0
7	Soyabean	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>20</b>	<b>302</b>	<b>91</b>	<b>70</b>	<b>765</b>	<b>269</b>
<b>IV</b>	<b>Commercial Crops:</b>						
1	Cotton	100	250	250	0	0	0
2	Sugarcane	0	0	0	0	0	0
3	Tobacco	50	1317	659	0	0	0
	<b>Total Comr.Crops.</b>	<b>150</b>	<b>784</b>	<b>909</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>1160</b>	<b>616</b>	<b>23192</b>	<b>5969</b>	<b>498</b>	<b>37106</b>

**Table 2.4: Area, Production & Productivity of Crops during Summer Season**

Sl. No.	Crops	Irrigated area (Ha)	Productivity Kgs/Ha)	Production (Quintals)	Rainfed area (Ha)	Productivity (Kgs/Ha)	Production (Quintals)
1	Rice	6210	3307	199597	0	0	0
2	Jowar	0	0	0	0	0	0
3	Ragi	700	1902	13352	0	0	0
4	Maize	0	2618	4116	180	2464	5094
6	M.Millets	0	0	0	0	0	0
<b>I</b>	<b>Total Cereals:</b>	<b>6910</b>	<b>2609</b>	<b>217064</b>	<b>180</b>	<b>2464</b>	<b>5094</b>
1	Redgram	0	0	0	0	0	0
2	Avare	0	0	0	0	0	0
3	Bengal gram	0	0	0	0	0	0
4	Horse gram	0	0	0	0	0	0
5	Cowpea & other	175	233	406	0	0	0
6	Green Gram	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>175</b>	<b>233</b>	<b>406</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total Foodgrains:</b>	<b>7085</b>	<b>2842</b>	<b>217471</b>	<b>180</b>	<b>2464</b>	<b>5094</b>
1	Groundnut	880	1184	10419	0	0	0
2	Sesamum	1160	650	7654	0	0	0
3	Sunflower	450	1269	5433	0	0	0
4	Castor	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0
7	Soyabean	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>2490</b>	<b>1034</b>	<b>23506</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IV</b>	<b>Commercial Crops:</b>						
1	Cotton	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0
3	Tobacco	0	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>9575</b>	<b>1292</b>	<b>240977</b>	<b>180</b>	<b>821</b>	<b>5094</b>

**Table 2.5: Production and Productivity of Major Crops**

Season	Rainfed					Irrigated Area in Ha	Irrigated			Total		
	Total Area in Ha	Rainfed area in Ha	Production (qtn/yr)	Productivity or Yield (Kgs/ha)	Cost of Cultivation (Rs./ha)		Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)
A. Kharif	440735	408953	4832255	505		31782	825393	857		5657648	933.5	0
B. Rabi	7129	5969	37108	498		1160	23502.5	616		60610.5	806	0
C. Summer	9755	180	5095	821		9840	240932	1292		246027	1467	0
D.Sericulture				0		3958.08	37559.21	7644.2		762.69	3822.1	0
E. Horticultural & plantation	214894	53665	2063952.19	38473		161228.916	4771316.633	134978.0412		6835268.827	105961.8735	0
<b>Total</b>	<b>672513</b>	<b>468767.1</b>	<b>6938410.19</b>			<b>207968.996</b>	<b>5898703.343</b>			<b>12800317.02</b>		<b>0</b>

**Table 2.6: Cost of Cultivation : Kharif , Rabi & Summer Season - Rupees per Hectare**

Sl. No.	Crops	Kharif		Rabi		Summer	
		Irrigated	Rainfed	Irrigated	Rainfed	Irrigated	Rainfed
1	Rice	82304	55877			89272	
2	Jowar		44904	29997	27251		
3	Ragi		35813				
4	Maize	60169	45486				
6	M.Millets		21289				
<b>I</b>	<b>Total Cereals:</b>	<b>71237</b>	<b>40674</b>	29997	27251	89272	
1	Redgram	40856	35609				
3	Blackgram		22524				
4	Bengal Gram			30489	32541		
5	Horse gram		13771				
7	Green Gram		23230				
<b>II</b>	<b>Total Pulses:</b>						
	<b>Total Foodgrains:</b>						
1	Groundnut		37669				
3	Sunflower		21337		16469		
<b>III</b>	<b>Total Oilseeds:</b>						
<b>IV</b>	<b>Commercial Crops:</b>						
1	Cotton	56536	45866		29041		
2	Sugarcane						
3	Tobacco	117226					
	<b>Total Comr.Crops.</b>						

**Table 2.7 Horticulture Crops: Area, Production & Productivity**

Sl. No.	Crops Sown	Rainfed				Irrigated				TOTAL			
		Area in Ha	Production(P)	Productivity (Y)	Cost of Cultivation (Rs./Ha)	Area in Ha	Production(P)	Productivity (Y)	Cost of Cultivation (Rs./Ha)	Area in Ha	Production(P)	Productivity (Y)	Cost of Cultivation (Rs./Ha)
		3	4	5	6	7	8	9	10	11	12	13	14
1	Mango	4469.84	357587.20	80.00	16460	10682	1175037.60	110.00	18960	15152	1532625	95.00	17710
2	Banana	0	0.00	0.00	0	5174	1273460.40	246.14	47900	5174	1273460	123.07	23950
3	Sapota	303.40	29733.36	98.00	14020	725	87009.41	120.00	16520	1028	116743	109.00	15270
4	Pomegranate	0	0.00	0.00	0	1865	150389.80	80.66	58320	1865	150390	40.33	29160
5	Papaya	0	0.00	0.00	0	341	209732.50	615.25	46300	341	209733	307.62	23150
6	Onion	160.8	21868.80	136.00	29200	439	86968.92	198.02	33200	600	108838	167.01	31200
7	Tomato	0	0.00	0.00	0	1733	929230.00	536.20	41280	1733	929230	268.10	20640
8	Brinjal	45.31	11554.56	255.00	28780	309	99157.74	321.22	33280	354	110712	288.11	31030
9	Green Chilli	153.216	19424.72	126.78	23700	759	109853.95	144.78	28200	912	129279	135.78	25950
10	Coconut (Lakh r	45140.96	32501.49	0.72	17410	100475	85403.99	0.85	19910	145616	117905	0.79	18660
11	Arecanut	0	0.00	0.00	0	32341	436911.40	13.51	45450	32341	436911	6.75	22725
12	Tamariend	3029.307	145431.26	48.01	13020	34	1617.54	48.01	15520	3063	147049	48.01	14270
13	Dry Chilli	297.642	4762.27	16.00	24700	1019	18345.35	18.00	28200	1317	23108	17.00	26450
14	Betelvine	0	0.00	0.00	0	694	144800.00	208.65	44080	694	144800	104.32	22040
15	Aster	0	0.00	0.00	0	219	20791.80	94.94	46900	219	20792	47.47	23450
16	Jasmine	0	0.00	0.00	0	1061	58355.00	55.00	42000	1061	58355	27.50	21000
17	Chrysanthamum	0	0.00	0.00	0	824	88045.00	106.85	42300	824	88045	53.43	21150
		53600.4786	622863.67	44.74		158693	4975110.39	171.65		212294	5597974	108.19	



### **2.3. Irrigation based classification**

Tumakuru district as discussed earlier is one of the most drought prone district of the State. The total net area under irrigation taking all sources into consideration is 2.54 lakh ha. and the gross irrigated area is 3.35 lakh ha. There is no canal irrigation in entire district excepting a small area of 4200 ha. in Kunigal taluk through Hemavathi canal. Although there are 9 lift irrigation projects in the district, these do not supply water for irrigation. Major source of irrigation in the district is through tube/bore wells. The total number of bore wells in the district are 1.21 lakh which provides irrigation for 1.38 lakh ha. highest number of bore-wells are located in Gubbi (21749), Tumakuru (17778), Tiptur (17203), while the lowest is in Pavagada taluk (4125).

The other sources of irrigation is through open wells and tanks. There are 1642 tanks which were built during the erstwhile Maharajas of Mysore provides irrigation to 10535 ha. Most of these tanks need rejuvenation through desilting, strengthening of tank bunds, clearing encroachment of feeder channels, repairs to sluice gates, waste weir and adoption of micro-irrigation system in the tank command area. Through these measures the potential of irrigation through tanks can be enhanced by 4 to 5 times. Further, the number of open wells are 40056 that provides irrigation only to 1039 ha., due to poor recharge of shallow aquifers and over exploitation of ground water. In view of continuous drought, recharging of bore-wells and open wells does not take place. Hence, the depth of bore-wells have gone to 800 to 1000 feet. Further, the quality of water in these deep water is unfit for drinking owing to high fluoride content and also irrigation due to high salt content.

The information pertaining to irrigation based classification is presented in Table 2.8. Gross irrigated area in Tumakuru district is 3.35 lakh ha and out of this area, 2.54lakh ha is net irrigated. Within the district, in Gubbi taluk, has the maximum gross irrigated area (62613.47 ha) and net irrigated area ( 56833 ha). Pavagada has least gross irrigated area (14396 ha) and Koratagere has least net irrigated area (8411 ha). Pavagada taluk is having highest rainfed area and Turuvekere taluk has lowest rainfed area.

**Table 2.8: Irrigation based classification**

Block	Irrigated Area (in ha)		Rainfed Area (in ha)	
	Gross Irrigated	Net Irrigated	Partially Irrigated / Protective Irrigation	Unirrigated OR Totally Rainfed Area
C N Halli	36215.31	23739	22405	41079
Gubbi	62613.47	56833	25099	23335
Koratagere	14501.59	8411	7069	36707
Kunigal	38048.14	32782	4910	30551
Madhugiri	18062.26	10012	8400	59554
Pavagada	14396.9	8757	7780	94204
Sira	41670.55	17848	16066	74918
Tiptur	31998.06	27003	19309	27517
Tumakuru	37141.62	29891	18737	45408
Turuvekere	40332.28	39351	2227	19196
<b>Total</b>	<b>334980.18</b>	<b>254627</b>	<b>132002</b>	<b>452469</b>

Source: JDA, Tumkur

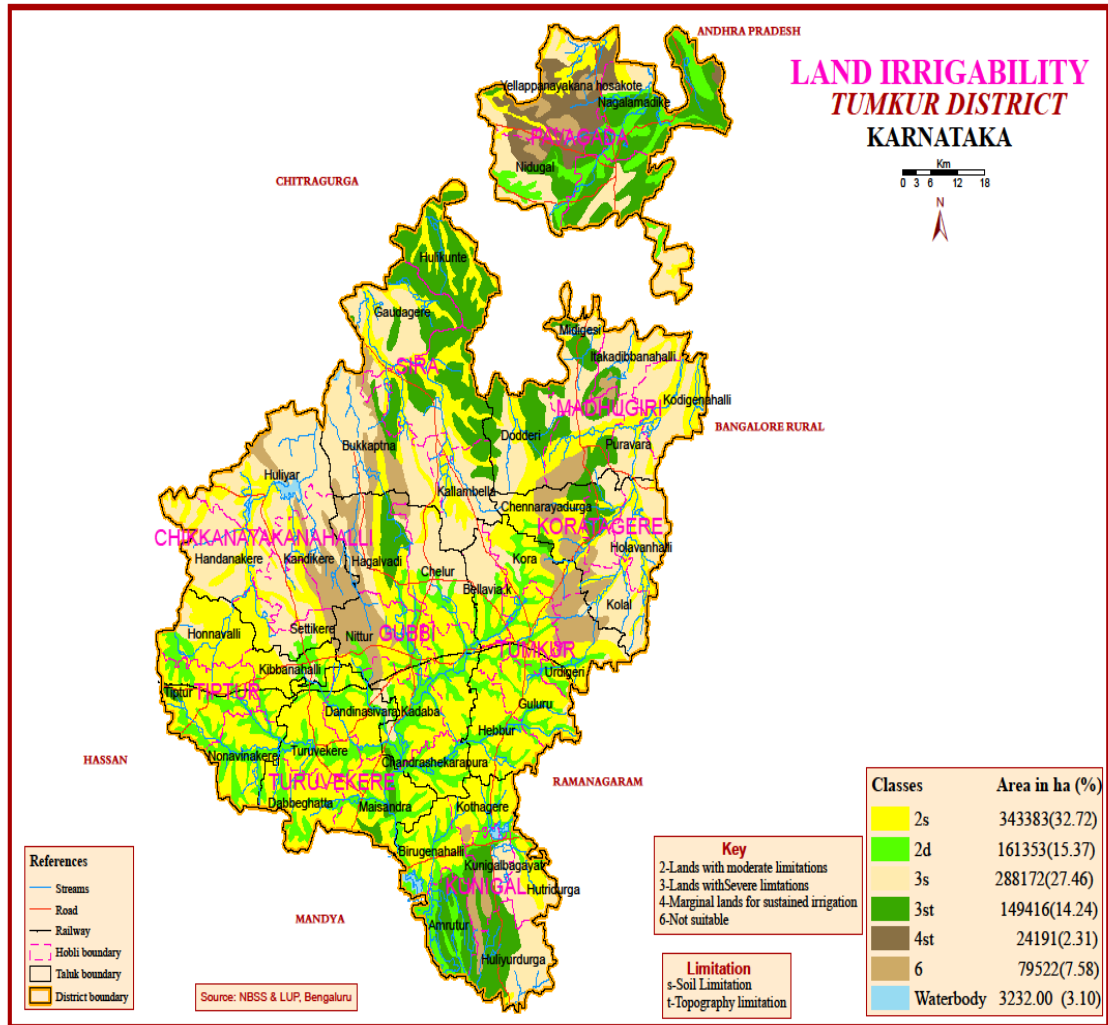
**Land Irrigability:** Land irrigability classification is an interpretative grouping of soils based on physical and socio-economic factors in addition to the soil irrigability. It is basically concerned with the behaviour of soils they are brought under irrigation (IARI, 1971; <http://raitamitra.kar.nic.in/agriprofile/land.htm>). Land suitable for irrigation are grouped under class 1 to 4 according to their limitations. Lands not suited for irrigation are grouped under classes 5 and 6. The classification of land irrigability of soils is based the following criteria.

#### Land Irrigability of Soils in Karnataka

Land Irrigability class	Description
2	Lands that have moderate limitations of soil and drainage for sustained use under irrigation.
3	Lands that have severe limitations of soil, drainage and slope for sustained use under irrigation.
4	Lands that have very severe limitations of topography and soil for sustained use under irrigation.
6	Lands not suitable for irrigation due to topographic, soil and rock exposure limitations.
Miscellaneous	Water bodies, urban area

The land irrigability of Tumakuru district is shown in Fig. 2.1.

**Fig 2.1: Land Irrigability of Tumakuru District**

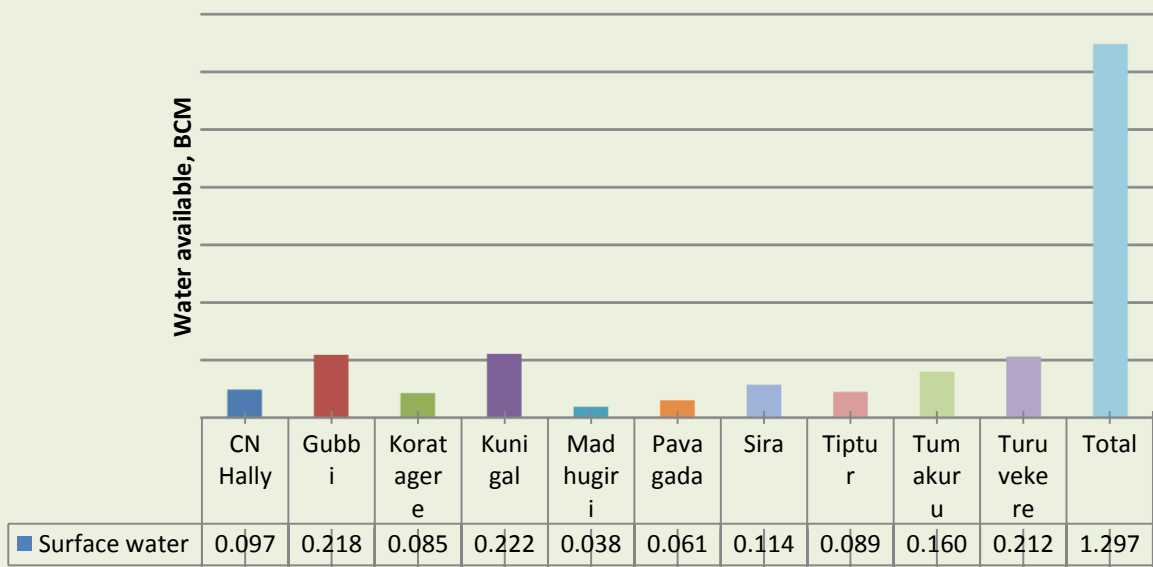


## CHAPTER – III

### DISTRICT WATER PROFILE

**3.1 Status of stored water availability:** The stored water available from surface source through major and medium irrigation canals, tanks (maintained by minor irrigation department and zilla panchayat) in Tumakuru district amounts to 1.296969 BCM (district total) (45.80 TMC). This surface water is more in Kunigal, Gubbi, Turuvekere and Tumakuru due to provision of water from Hemavathy towards drinking and feeding to tanks, whereas, it is lower in Madhugiri and Pavagada taluks (Table 3.1a). The data pertaining to status of stored water availability (season wise) and overall stored water availability from all sources are provided in Table 3.1, 3.1a and Fig 3.1.

**Fig. 3.1. Surface water through canals/tanks in Tumakuru district - taluk wise**



**Table 3.1: Status of stored water availability(BCM)**

Sl.No.	Sources	Taluk	Kharif	Rabi	Summer	Total
<b>1</b>	<b>Surface Irrigation</b>					
(i)	Canal (Major & Medium Irrigation)	Kunigal	6.806*10 <sup>-6</sup>	5.923*10 <sup>-6</sup>	-	12.729*10 <sup>-6</sup>
	Minor Irrigation Tanks	Kunigal	1.05*10 <sup>-5</sup>	-	-	1.05*10 <sup>-5</sup>
	Canal (Major & Medium Irrigation)	Koratagere	5.601*10 <sup>-6</sup>	-	-	5.601*10 <sup>-6</sup>
	Canal (Major & Medium Irrigation)	Tumakuru	3.794*10 <sup>-6</sup>	6.095*10 <sup>-6</sup>	-	9.889*10 <sup>-6</sup>
	Minor Irrigation Tanks	Tumakuru	9.77*10 <sup>-6</sup>	-	-	9.77*10 <sup>-6</sup>
	Canal (Major & Medium Irrigation)	Gubbi	3.805*10 <sup>-6</sup>	6.807*10 <sup>-6</sup>	-	9.892*10 <sup>-6</sup>
	Minor Irrigation Tanks	Gubbi	1.284*10 <sup>-5</sup>	-	-	1.284*10 <sup>-5</sup>
	Canal (Major & Medium Irrigation)	Turuvekere	3.809*10 <sup>-6</sup>	6.088*10 <sup>-6</sup>	-	9.876*10 <sup>-6</sup>
	Minor Irrigation Tanks	Turuvekere	1.708*10 <sup>-5</sup>	-	-	1.708*10 <sup>-5</sup>
	Canal (Major & Medium Irrigation)	Tiptur	3.809*10 <sup>-6</sup>	6.067*10 <sup>-6</sup>	-	9.876*10 <sup>-6</sup>
	Minor Irrigation Tanks	Tiptur	1.060*10 <sup>-5</sup>	-	-	1.060*10 <sup>-5</sup>
<b>Total surface water through canals (Major &amp; Medium)</b>						<b>0.000348774</b>
(ii)	<b>Minor Irrigation tanks -Minor Irrigation Dept</b>					
	Minor Irrigation tanks	Koratagere	6.02*10 <sup>-6</sup>	-	-	6.02*10 <sup>-6</sup>
	Minor Irrigation tanks	Madhugiri	6.81*10 <sup>-6</sup>	-	-	6.81*10 <sup>-6</sup>
	Minor Irrigation tanks	Pavagada	6.02*10 <sup>-6</sup>	-	-	6.02*10 <sup>-6</sup>

	Minor Irrigation tanks	Chikkanayakana halli	$1.23 \times 10^{-5}$	-	-	$1.23 \times 10^{-5}$
	Minor Irrigation tanks	Sira	$1.07 \times 10^{-5}$	-	-	$1.07 \times 10^{-5}$
<b>Total surface water through minor irrigation (Tanks)</b>						<b>0.00004185</b>
<b>iii)</b>	<b>PRED ZP -Tanks (0-40 Ha) -PREDept -Zilla panchayat</b>					
	PRED ZP -Tanks (0-40 Ha)	Kunigal	$3.88735 \times 10^{-6}$			$3.88735 \times 10^{-6}$
	PRED ZP -Tanks (0-40 Ha)	Gubbi	$3.88735 \times 10^{-6}$			$3.88735 \times 10^{-6}$
	PRED ZP -Tanks (0-40 Ha)	Tumakuru	$3.88735 \times 10^{-6}$			$3.88735 \times 10^{-6}$
	PRED ZP -Tanks (0-40 Ha)	Tiptur	$3.88735 \times 10^{-6}$			$3.88735 \times 10^{-6}$
	PRED ZP -Tanks (0-40 Ha)	Turuvekere	$3.88735 \times 10^{-6}$			$3.88735 \times 10^{-6}$
	PRED ZP -Tanks (0-40 Ha)	Sira	$3.88735 \times 10^{-6}$			$3.88735 \times 10^{-6}$
	PRED ZP -Tanks (0-40 Ha)	Madhugiri	$3.88735 \times 10^{-6}$			$3.88735 \times 10^{-6}$
	PRED ZP -Tanks (0-40 Ha)	Koratagere	$3.88735 \times 10^{-6}$			$3.88735 \times 10^{-6}$
	PRED ZP -Tanks (0-40 Ha)	Pavagada	$3.88735 \times 10^{-6}$			$3.88735 \times 10^{-6}$
	PRED ZP -Tanks (0-40 Ha)	Chikkanayakana Halli	$3.88735 \times 10^{-6}$			$3.88735 \times 10^{-6}$
<b>Total surface water through ZP irrigation Tanks</b>						<b>0.0001088</b>
<b>Total surface water through tanks (Minor Irrigation &amp; ZP Tanks)</b>						<b>0.00015069</b>
<b>(iv)</b>	Lift Irrigation/Diversion					
<b>(v)</b>	Various Water Bodies including Rain Water Harvesting					
<b>(vi)</b>	Treated Effluent Received from STP					
<b>(vii)</b>	Untreated Effluent					

<b>(viii)</b>	Perennial sources of water					
<b>2</b>	<b>Ground Water</b>					
<b>(i)</b>	Open Well					
<b>(ii)</b>	Deep Tube Well	C N Halli			$3.88735 \times 10^{-6}$	$3.88735 \times 10^{-6}$
	Deep Tube Well	Gubbi			$3.88735 \times 10^{-6}$	$3.88735 \times 10^{-6}$
	Deep Tube Well	Koratagere			$3.88735 \times 10^{-6}$	$3.88735 \times 10^{-6}$
	Deep Tube Well	Kunigal			$3.88735 \times 10^{-6}$	$3.88735 \times 10^{-6}$
	Deep Tube Well	Madhugiri			$3.88735 \times 10^{-6}$	$3.88735 \times 10^{-6}$
	Deep Tube Well	Pavagada			$3.88735 \times 10^{-6}$	$3.88735 \times 10^{-6}$
	Deep Tube Well	Sira			$3.88735 \times 10^{-6}$	$3.88735 \times 10^{-6}$
	Deep Tube Well	Tiptur			$3.88735 \times 10^{-6}$	$3.88735 \times 10^{-6}$
	Deep Tube Well	Tumakuru			$3.88735 \times 10^{-6}$	$3.88735 \times 10^{-6}$
	Deep Tube Well	Turuvekere			$3.88735 \times 10^{-6}$	$3.88735 \times 10^{-6}$
	<b>Water from deep tube well</b>					<b>0.000388735</b>
<b>(iii)</b>	Medium Tube Well					
<b>(iv)</b>	Shallow Tube Wells					

**Table 3.1a. Status of stored water availability in Tumakuru district from all sources (canals, tanks, etc.)**

Sl. No.	Taluks	Stored water availability#, BCM	Stored water availability#, TMC
1	C N Halli	0.097464	3.442
2	Gubbi	0.218437	7.714
3	Koratagere	0.085434	3.017
4	Kunigal	0.221612	7.826
5	Madhugiri	0.037694	1.331
6	Pavagada	0.060513	2.137
7	Sira	0.114466	4.042
8	Tiptur	0.089486	3.160
9	Tumakuru	0.159559	5.635
10	Turuvekere	0.212304	7.497
<b>Total</b>		<b>1.296969</b>	<b>45.802</b>

#- Water available from canals, minor irrigation tanks (MI and ZP maintained tanks)

### 3.2 Status of Ground Water Availability

The status of ground water availability is represented in Table 3.2. As per the central ground water board notification (2012), ground water is over exploited (ground water development >100%) for irrigation and other purposes in blocks viz., Koratagere, C.N. Halli, parts of Sira, and Madhugiri (Fig 3.2). In remaining taluks, the ground water development is safe, particularly in Kunigal and Turuvekere taluks (79 to 70%), but major parts of Sira taluk is classified as semi-critical (groundwater development between 79-100%). Total under ground water draft of the district is 0.7833 BCM. This water draft is relatively more in CN Halli, Tumakuru and Sira taluks, while it is relatively lower in Gubbi and Kunigal taluks (Table 3.2, 3.2a). The annual rechargeable underground water is 0.7739827 BCM for the Tumakuru district as a whole. The water recharge is relatively more in Gubbi and Sira Taluks, whereas it is lower in Koratagere taluk (Table 3.2). The hydrogeology map depicting the ground water prospects for Tumakuru district is depicted in Fig. 3.3.

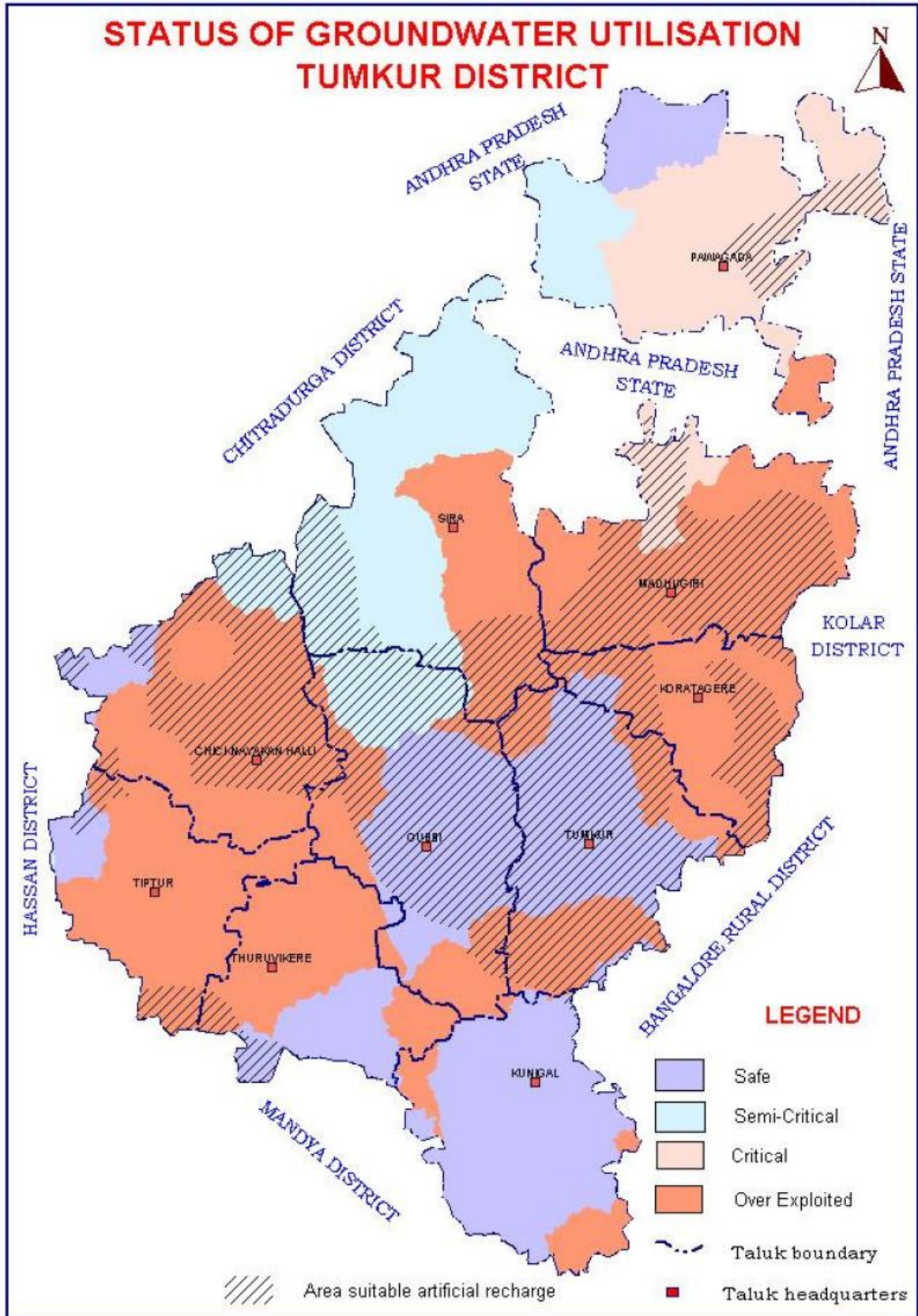


Table3.2 Status of Ground Water Availability in Tumakuru district

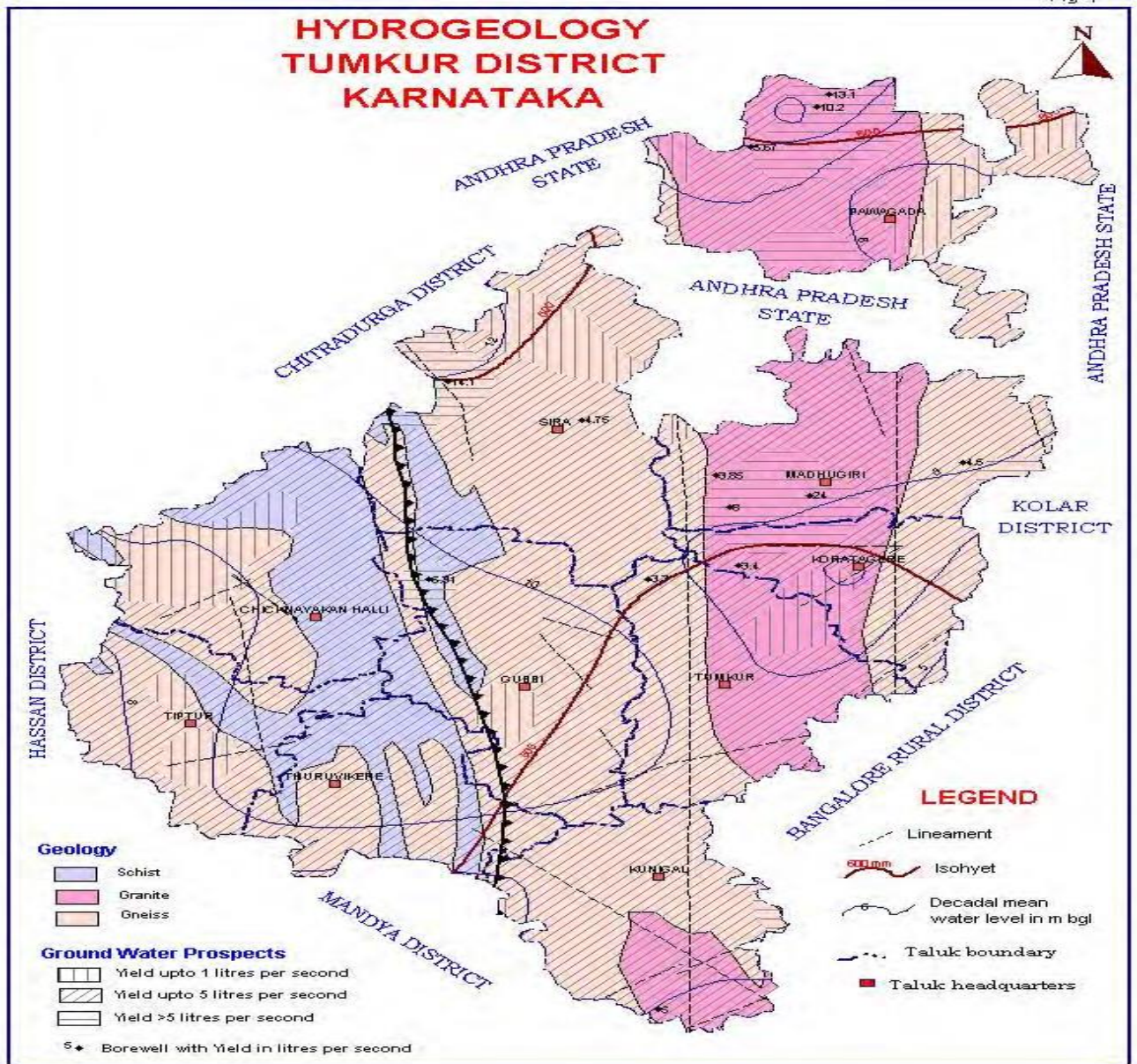
Block	Status of Block as per Central Ground Water Board Notification				Ground Water (BCM)					
	Critical	Semi-critical	Safe	Over exploited	Draft in BCM	Draft in TMC	Recharge (Unit Area Annual Ground Water Recharge m)	Recharge (Unit Area Annual Ground Water Recharge m) in TMC	Gap in BCM	Gap in TMC
C N Halli	--	18	2	80	0.11132	3.9312	0.073964	2.6120	-0.0374	-1.31920
Gubbi	--	--	40	60	0.04638	1.6379	0.104719	3.6980	0.0583	2.06018
Koratagere	--	--	4	96	0.07569	2.6729	0.047300	1.6704	-0.0284	-1.00256
Kunigal	--	20	79	1	0.05771	2.0380	0.081000	2.8604	0.0233	0.82246
Madhugiri	--	25	--	75	0.0971	3.4290	0.076080	2.6867	-0.0210	-0.74230
Pavagada	20	40	20	20	0.06386	2.2552	0.080170	2.8311	0.0163	0.57597
Sira	15	--	5	80	0.10813	3.8185	0.113340	4.0025	0.0052	0.18399
Tiptur	--	--	40	60	0.06431	2.2710	0.052980	1.8709	-0.0113	-0.40011
Tumakuru	--	--	60	40	0.11316	3.9961	0.091190	3.2203	-0.0220	-0.77585
Turuvekere	--	--	70	30	0.04564	1.6117	0.053240	1.8801	0.0076	0.26839
<b>Total</b>					<b>0.7833</b>	<b>27.66</b>	<b>0.7739827</b>	<b>27.332</b>	<b>-0.009317</b>	<b>-0.329031</b>

Source:Central Ground Water Board, 2012

**Fig 3.2: Status of Ground water utilization in Tumakuru District**



**Fig. 3.3. Hydrogeology -Tumakuru District**



### 3.3 Status of command area

The status of command area of Tumakuru District is represented in Table 3.3. A total of 656 villages are covered under the command area. Out of total area of 90804 ha, 89796 ha (accounting to 98.89% of total command area) of command area under canal irrigation is developed and remaining area of 1008 ha (1.11% of total area) is undeveloped and needs to be developed in the near future.



**Table 3.3:Status of command area**

SI No	Taluk/ Block	No. of villages	Information of Canal Command			Total area (ha)	
			Total Area	Developed Area	Undeveloped Area	Developed Command	Undeveloped Command
1	Tiptur	99	5715	5715	0.00	5715	0.00
2	Turuvekere	239	34010	34010	0.00	34010	0.00
3	Gubbi	148	27635	27635	0.00	27635	0.00
4	Tumakuru	106	8268	8268	0.00	8268	0.00
5	Kunigal	64	15176	14168	1008.00	14168	1008.00
<b>Total</b>		<b>656</b>	<b>90804</b>	<b>89796</b>	<b>1008</b>	<b>89796</b>	<b>1008</b>

### 3.4 Existing type of irrigation

Tumakuru district as discussed earlier is one of the most drought prone district of the State. The total net area under irrigation taking all sources into consideration is 2.54 lakh ha. and the gross irrigated area is 3.35 lakh ha. There is no canal irrigation in entire district excepting a small area of 4200 ha. in Kunigal taluk through Hemavathi canal. Although there are 9 lift irrigation projects in the district, these do not supply water for irrigation. Major source of irrigation in the district is through tube/bore wells. The total number of bore wells in the district are 1.21 lakh which provides irrigation for 1.38 lakh ha. highest number of bore-wells are located in Gubbi (21749), Tumakuru (17778), Tiptur (17203), while the lowest is in Pavagada taluk (4125).

The other sources of irrigation is through open wells and tanks. There are 1642 tanks which were built during the erstwhile Maharajas of Mysore provides irrigation to 10535 ha. Most of these tanks need rejuvenation through desilting, strengthening of tank bunds, clearing encroachment of feeder channels, repairs to sluice gates, waste weir and adoption of micro-irrigation system in the tank command area. Through these measures the potential of irrigation through tanks can be enhanced by 4 to 5 times. Further, the number of open wells are 40056 that provides irrigation only to 1039 ha., due to poor recharge of shallow aquifers and over exploitation of ground water. In view of continuous drought, recharging of bore-wells and open wells does not take place. Hence, the depth of bore-wells have gone to 800 to 1000 feet.

Further, the quality of water in these deep water is unfit for drinking owing to high fluoride content and also irrigation due to high salt content.

Most of these tanks need rejuvenation through de-silting, strengthening of tank bunds, clearing encroachment of feeders channels, repairs to sluice gates, waste-weir and adoption of micro-irrigation system in the tank command area. Through these measures the potential of irrigation through tanks can be enhanced by 4 to 5 times. In view of continuous drought, recharging of bore-wells and open wells does not take place. Hence, the depth of bore-wells have gone to 800 to 1000 feet. Further, the quality of water in these deep water is unfit for drinking owing to high fluoride content and also irrigation due to high salt content.

Net irrigated area of the district from canals and tanks is 122,625 ha, whereas it is 131,062 ha from bore wells and 940 ha from open wells. Thus, total net irrigated area of Tumakuru district from these sources is 254,627 ha (Table 3.7).

**Table 3.4: Taluka wise Area under irrigation from different sources in Tumakuru district**

Area in ha

Sl no	Block	M.I Division Tumkur			M.I Tanks under Hemavathy Canal Zone			PRED			Hemavathy Atchkat		Upper Bhadra Atchkat		Grand Total		
		Nos	Capacity (Mcft)	Atchkat (Ha)	Nos	Capacity (Mcft)	Atchkat (Ha)	Nos	Capacity (Mcft)	Atchkat (Ha)	Atchkat (Ha)	Quantity Alloted(Mcft)	Atchkat (Ha)	Quantity Alloted(Mcft)	Nos	Atchkat (Ha)	Total Quantity (Mcft)
1	C N Halli	38	3712	4916	0.00	0.00	0.00	117	762.17	1753.31	0.00	0.00	4657.00	518.70	155.00	11326.31	4992.87
2	Gubbi	30	1127.98	3017.4	53	1713.93	3368.04	39	250.24	637.03	27635.00	4811.00	0.00	0.00	122.00	34657.47	7903.15
3	Koratagere	45	1846	4282	1 Res	242	1214	73	352.9	1215.59	0.00	0.00	0.00	0.00	119.00	6711.59	2440.90
4	Kunigal	26	1014.63	2603.5	2 Res 33	4471.57	11748.7	129	498.71	2134.94	15176.00	2772.00	0.00	0.00	190.00	31663.14	8756.91
5	Madhugiri	56	1982	5650	0.00	0.00	0.00	145	1161.74	2410.26	0.00	0.00	0.00	0.00	201.00	8060.26	3143.74
6	Pavagada	38	1939	3232	0.00	0.00	0.00	93	2090	1651.9	0.00	0.00	0.00	0.00	131.00	4883.90	4029.00
7	Sira	62	3253	6517	0.00	0.00	0.00	117	1004.96	2391.55	0.00	0.00	14558.00	1622.00	179.00	23466.55	5879.96
8	Tiptur	24	599.75	1705.58	15	553.89	1272.85	122	534.21	1825.63	5715.00	1212.00	0.00	0.00	161.00	10519.06	2899.85
9	Tumkur	48	1522	4685	22	532.53	1532.67	123	515.32	2080.95	8268.00	1320.00	0.00	0.00	193.00	16566.62	3889.85
10	Turuvekere	3	140.86	188	66	1811	3043.4	13	94.92	167.88	34010.00	5885.00	0.00	0.00	82.00	37409.28	7931.78
<b>Total</b>		<b>370</b>	<b>17137.22</b>	<b>36796.48</b>	<b>3 Res 189</b>	<b>9325.63</b>	<b>22179.66</b>	<b>971</b>	<b>7265.17</b>	<b>16269.04</b>	<b>90804.00</b>	<b>16000.00</b>	<b>19215.00</b>	<b>2140.70</b>	<b>3 Res 1530 Tanks</b>	<b>185264.18</b>	<b>51868.01</b>

51.868TMC

**Table 3.5 Existing type of irrigation (source wise and taluk wise irrigated area, ha) in Tumakuru district**

Name of the District : Tumkur

Source of Irrigation	Surface Irrigation (1)					Ground Water (2)						Other Sources Including Traditional	Treated effluent discharged from STP	Water extraction devices /			Total	
	Cannal based		Tanks / Ponds / Reservoirs			Tube wells		open wels		Borewels				Elect ricity pump (4)	Diesel pump (5)	others (6)	Irriga tion sources (1+2 +3)	Water extra cting units (4+5+ 6)
	Govt. Canal	Community/ Pvt. Canal	Comm unity Ponds Including Small	Indivi dual / Pvt. Ponds	Govt. Reservoir /Dams	Govt	pvt	Community/ Govt.	Pvt	Govt	Pvt							
From hemavathi Canal Zone, Data in Hactares	90804	0	22179.66	0	0	0	0	0	0	0	0	0	0	0	0	0	112983.66	0
MI Tanks	0	0	36796.48	0	0	0	0	0	0	0	0	0	0	0	0	0	36796.48	0
PRED Tanks	0	0	15632.01	637.03	0	0	0	0	0	0	0	0	0	0	0	0	16269.04	0
Upper Bhadra	19215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19215	0
Tube wells	0	0	0	0	0	148776	0	0	0	0	0	0	0	0	0	0	148776	0
Open wells	0	0	0	0	0	0	0	940	0	0	0	0	0	0	0	0	940	0

Note: Tube wells irrigation inclusive of both Private & Govt

Name of the Block: Kunigal

Source of Irrigation	Surface Irrigation (1)					Ground Water (2)						Other Sources Including Traditional	Treated effluent discharged from STP	Water extraction devices /			Total	
	Cannal based		Tanks / Ponds / Reservoirs			Tube wells		open wels		Borewels				Elect ricity pump (4)	Diesel pump (5)	others (6)	Irriga tion sources (1+2 +3)	Water extra cting units (4+5+ 6)
	Govt. Canal	Community/ Pvt. Canal	Comm unity Ponds Including Small	Indivi dual / Pvt. Ponds	Govt. Reservoir /Dams	Govt	pvt	Community/ Govt.	Pvt	Govt	Pvt							
From hemavathi Canal Zone, Data in Hactares	15176	-	11748.7													26,924.70		
MI Tanks			2603.5													2,603.50		
PRED Tanks			2134.94													2,134.94		
Upper Bhadra																-		
Tube wells						6323										6,323.00		
Open wells								62								62.00		

Name of the Block: Koratagere

Source of Irrigation	Surface Irrigation (1)					Ground Water (2)						Other Sources Including Traditional	Treated effluent discharged from STP	Water extraction devices /			Total	
	Cannal based		Tanks / Ponds / Reservoirs			Tube wells		open wels		Borewels				Elect ricity pump (4)	Diesel pump (5)	others (6)	Irriga tion sources (1+2 +3)	Water extra cting units (4+5+ 6)
	Govt. Canal	Community/ Pvt. Canal	Comm unity Ponds Including Small	Indivi dual / Pvt. Ponds	Govt. Reservoir /Dams	Govt	pvt	Community/ Govt.	Pvt	Govt	Pvt							
From hemavathi Canal Zone, Data in Hactares			1214													1,214.00		
MI Tanks			4282													4,282.00		
PRED Tanks			1215.59													1,215.59		
Upper Bhadra																-		
Tube wells						7790										7,790.00		
Open wells																-		



Name of the Block: Gubbi

Source of Irrigation	Surface Irrigation (1)					Ground Water (2)						Other Sources Including Traditional	Treated effluent discharged from STP	Water extraction devices /			Total	
	Cannal based		Tanks / Ponds / Reservoirs			Tube wells		open wels		Borewels				Elect ricity pump (4)	Diesel pump (5)	others (6)	Irriga tion sources (1+2 +3)	Water extra cting units (4+5+ 6)
	Govt. Canal	Community/ Pvt. Canal	Comm unity Ponds Including Small	Indivi dual / Pvt. Ponds	Govt. Reservoir /Dams	Govt	pvt	Community/ Govt.	Pvt	Govt	Pvt							
From hemavathi Canal Zone, Data in Hactares	27635		3368.04													31,003.04		
MI Tanks			3017.4													3,017.40		
PRED Tanks				637.03												637.03		
Upper Bhadra																-		
Tube wells						27685										27,685.00		
Open wells								271								271.00		

Name of the Block: Tumkur

Source of Irrigation	Surface Irrigation (1)					Ground Water (2)						Other Sources Including Traditional	Treated effluent discharged from STP	Water extraction devices /			Total	
	Cannal based		Tanks / Ponds / Reservoirs			Tube wells		open wels		Borewels				Elect ricity pump (4)	Diesel pump (5)	others (6)	Irriga tion sources (1+2 +3)	Water extra cting units (4+5+ 6)
	Govt. Canal	Community/ Pvt. Canal	Comm unity Ponds Including Small	Indivi dual / Pvt. Ponds	Govt. Reservoir /Dams	Govt	pvt	Community/ Govt.	Pvt	Govt	Pvt							
From hemavathi Canal Zone, Data in Hactares	8268		1532.67													9,800.67		
MI Tanks			4685													4,685.00		
PRED Tanks			2080.95													2,080.95		
Upper Bhadra																-		
Tube wells						20506										20,506.00		
Open wells								69								69.00		

Name of the Block: Tiptur

Source of Irrigation	Surface Irrigation (1)					Ground Water (2)						Other Sources Including Traditional	Treated effluent discharged from STP	Water extraction devices /			Total	
	Canal based		Tanks / Ponds / Reservoirs			Tube wells		open wells		Borewells				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	Govt. Reservoir /Dams	Govt	pvt	Community/ Govt.	Pvt	Govt	Pvt							
From hemavathi Canal Zone, Data in Hactares	5715		1272.85													6,987.85		
MI Tanks			1705.58													1,705.58		
PRED Tanks			1825.63													1,825.63		
Upper Bhadra																-		
Tube wells						21448										21,448.00		
Open wells								31								31.00		

Name of the Block: Turuvekere

Source of Irrigation	Surface Irrigation (1)					Ground Water (2)						Other Sources Including Traditional	Treated effluent discharged from STP	Water extraction devices /			Total	
	Canal based		Tanks / Ponds / Reservoirs			Tube wells		open wells		Borewells				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	Govt. Reservoir /Dams	Govt	pvt	Community/ Govt.	Pvt	Govt	Pvt							
From hemavathi Canal Zone, Data in Hactares	34010		3043.4													37,053.40		
MI Tanks			188													188.00		
PRED Tanks			167.88													167.88		
Upper Bhadra																-		
Tube wells						2737										2,737.00		
Open wells								186								186.00		

Name of the Block: Sira

Source of Irrigation	Surface Irrigation (1)					Ground Water (2)						Other Sources Including Traditional	Treated effluent discharged from STP	Water extraction devices /			Total	
	Cannal based		Tanks / Ponds / Reservoirs			Tube wells		open wels		Borewels				Elect ricity pump (4)	Diesel pump (5)	others (6)	Irriga tion sources (1+2 +3)	Water extra cting units (4+5+ 6)
	Govt. Canal	Community/ Pvt. Canal	Comm unity Ponds Including Small	Indivi dual / Pvt. Ponds	Govt. Reservoir /Dams	Govt	pvt	Community/ Govt.	Pvt	Govt	Pvt							
From hemavathi Canal Zone, Data in Hactares																	-	
MI Tanks			6517														6,517.00	
PRED Tanks			2391.55														2,391.55	
Upper Bhadra	14558																14,558.00	
Tube wells						18105											18,105.00	
Open wells								99									99.00	

Name of the Block: Madhugiri

Source of Irrigation	Surface Irrigation (1)					Ground Water (2)						Other Sources Including Traditional	Treated effluent discharged from STP	Water extraction devices /			Total	
	Cannal based		Tanks / Ponds / Reservoirs			Tube wells		open wels		Borewels				Elect ricity pump (4)	Diesel pump (5)	others (6)	Irriga tion sources (1+2 +3)	Water extra cting units (4+5+ 6)
	Govt. Canal	Community/ Pvt. Canal	Comm unity Ponds Including Small	Indivi dual / Pvt. Ponds	Govt. Reservoir /Dams	Govt	pvt	Community/ Govt.	Pvt	Govt	Pvt							
From hemavathi Canal Zone, Data in Hactares																	-	
MI Tanks			5650														5,650.00	
PRED Tanks			2410.26														2,410.26	
Upper Bhadra																	-	
Tube wells						9801											9,801.00	
Open wells								201									201.00	

Name of the Block: C.N.Hally

Source of Irrigation	Surface Irrigation (1)					Ground Water (2)						Other Sources Including Traditional	Treated effluent discharged from STP	Water extraction devices /			Total	
	Cannal based		Tanks / Ponds / Reservoirs			Tube wells		open wels		Borewels				Elect ricity pump (4)	Diesel pump (5)	others (6)	Irriga tion sources (1+2 +3)	Water extra cting units (4+5+ 6)
	Govt. Canal	Community/ Pvt. Canal	Comm unity Ponds Including Small	Indivi dual / Pvt. Ponds	Govt. Reservoir /Dams	Govt	pvt	Community/ Govt.	Pvt	Govt	Pvt							
From hemavathi Canal Zone, Data in Hactares																	-	
MI Tanks			4916														4,916.00	
PRED Tanks			1753.31														1,753.31	
Upper Bhadra	4657																4,657.00	
Tube wells						24879											24,879.00	
Open wells								10									10.00	

Name of the Block: Pavagada

Source of Irrigation	Surface Irrigation (1)					Ground Water (2)						Other Sources Including Traditional	Treated effluent discharged from STP	Water extraction devices /			Total	
	Cannal based		Tanks / Ponds / Reservoirs			Tube wells		open wels		Borewels				Elect ricity pump (4)	Diesel pump (5)	others (6)	Irriga tion sources (1+2 +3)	Water extra cting units (4+5+ 6)
	Govt. Canal	Community/ Pvt. Canal	Comm unity Ponds Including Small	Indivi dual / Pvt. Ponds	Govt. Reservoir /Dams	Govt	pvt	Community/ Govt.	Pvt	Govt	Pvt							
From hemavathi Canal Zone, Data in Hactares			0														-	
MI Tanks			3232														3,232.00	
PRED Tanks			1651.9														1,651.90	
Upper Bhadra																	-	
Tube wells						9502											9,502.00	
Open wells								11									11.00	

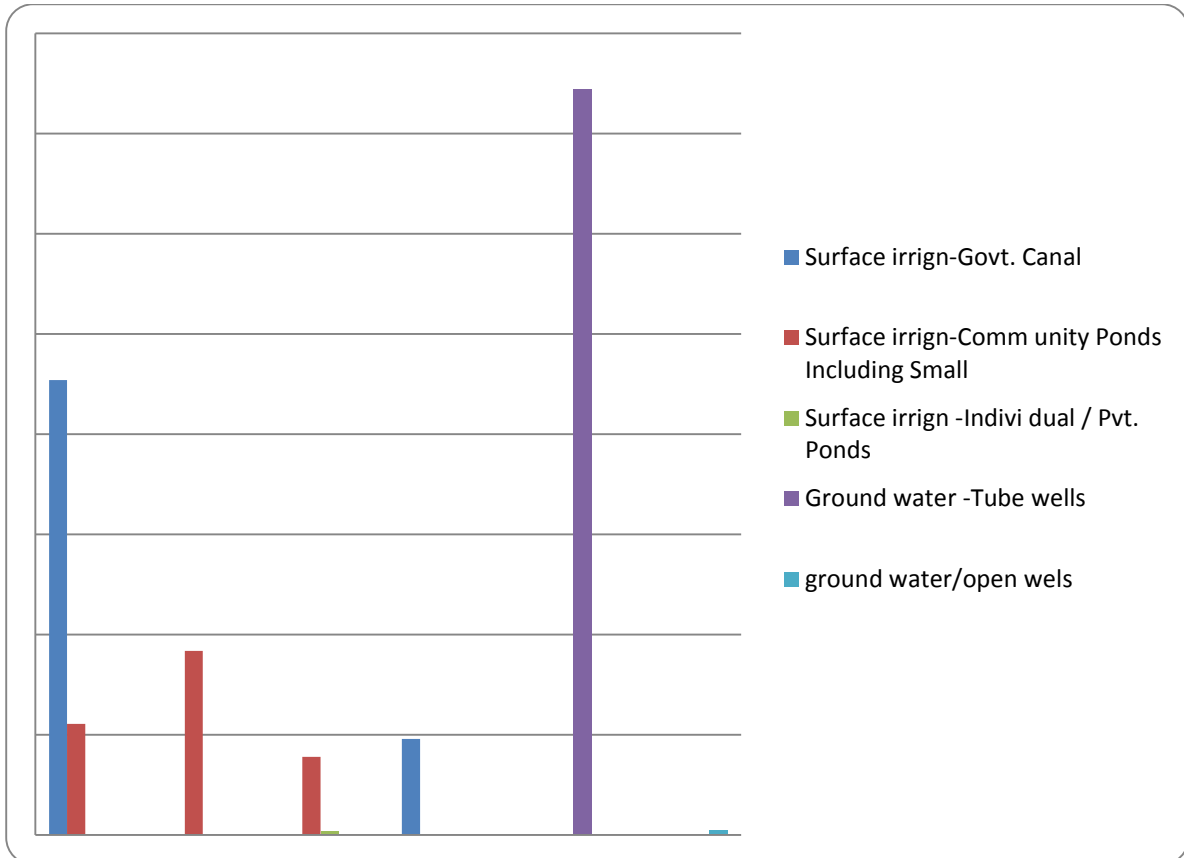
**Table 3.6: Block wise Gross Irrigated Area (Ha) in Tumakuru district**

Sl. No	Taluks	Gross Irrigated Area									Grand Total
		Canals	Canals including MI tanks under Hemavathy	Upper Bhadra	Total Canal Irrigation	MI Tanks	PRED Tanks	Total from Canal & Tanks	Bore wells	Open wells	
1	2	3	4	5	6	7	8	9	10	11	12
1	Chikkanayakanahally	0	0	4657.00	4657.00	4916	1753.31	11326.31	24879	10	36215.31
2	Gubbi	27635	3368.04	0.00	31003.04	3017.4	637.03	34657.47	27685	271	62613.47
3	Koratagere	0	1214	0.00	1214.00	4282	1215.59	6711.59	7790	0	14501.59
4	Kunigal	15176	11748.7	0.00	26924.70	2603.5	2134.94	31663.14	6323	62	38048.14
5	Madhugiri	0	0	0.00	0.00	5650	2410.26	8060.26	9801	201	18062.26
6	Pavagada	0	0	0.00	0.00	3232	1651.9	4883.9	9502	11	14396.9
7	Sira	0	0	14558.00	14558.00	6517	2391.55	23466.55	18105	99	41670.55
8	Tiptur	5715	1272.85	0.00	6987.85	1705.58	1825.63	10519.06	21448	31	31998.06
9	Tumkur	8268	1532.67	0.00	9800.67	4685	2080.95	16566.62	20506	69	37141.62
10	Turuvekere	34010	3043.4	0.00	37053.40	188	167.88	37409.28	2737	186	40332.28
	<b>District Total</b>	<b>90804</b>	<b>22179.66</b>	<b>19215</b>	<b>132198.66</b>	<b>36796.48</b>	<b>16269.04</b>	<b>185264.18</b>	<b>148776.00</b>	<b>940.00</b>	<b>334980.18</b>

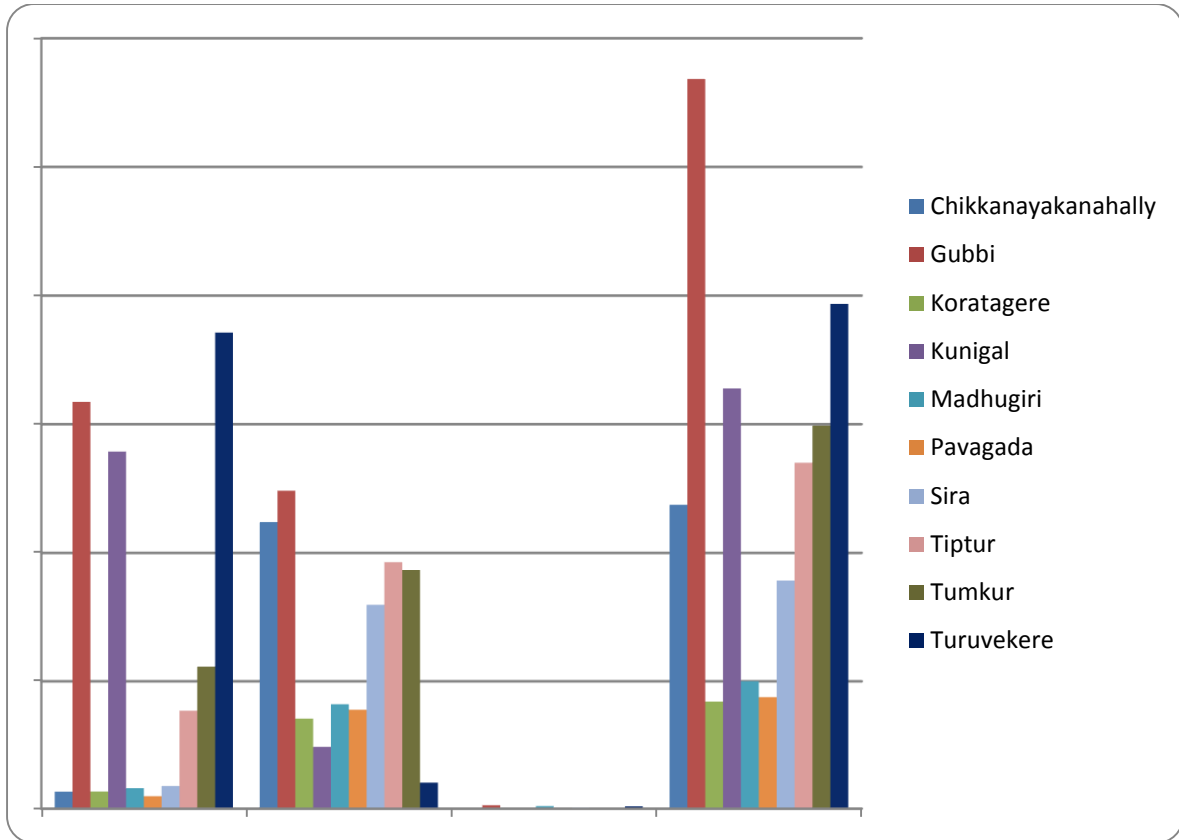
**Table 3.7: Block wise net Irrigated Area (in hectares) in Tumakuru district**

<b>Sl. No.</b>	<b>Taluks</b>	<b>Canal &amp; Tanks</b>	<b>Borewells</b>	<b>OpenWells</b>	<b>Total area</b>
1	Chikkanayakanahally	1334.00	22395.00	10.00	23739
2	Gubbi	31734.00	24828.00	271.00	56833
3	Koratagere	1342.00	7069.00	0.00	8411
4	Kunigal	27872.00	4848.00	62.00	32782
5	Madhugiri	1612.00	8199.00	201.00	10012
6	Pavagada	977.00	7769.00	11.00	8757
7	Sira	1782.00	15967.00	99.00	17848
8	Tiptur	7694.00	19278.00	31.00	27003
9	Tumakuru	11154.00	18668.00	69.00	29891
10	Turuvekere	37124.00	2041.00	186.00	39351
	<b>District Total</b>	<b>122625.00</b>	<b>131062.00</b>	<b>940.00</b>	<b>254,627</b>

**Fig 3.4: Gross Irrigated Area (Ha) from different sources**



**Fig 3.5: Net Irrigated Area (Ha) from different sources**



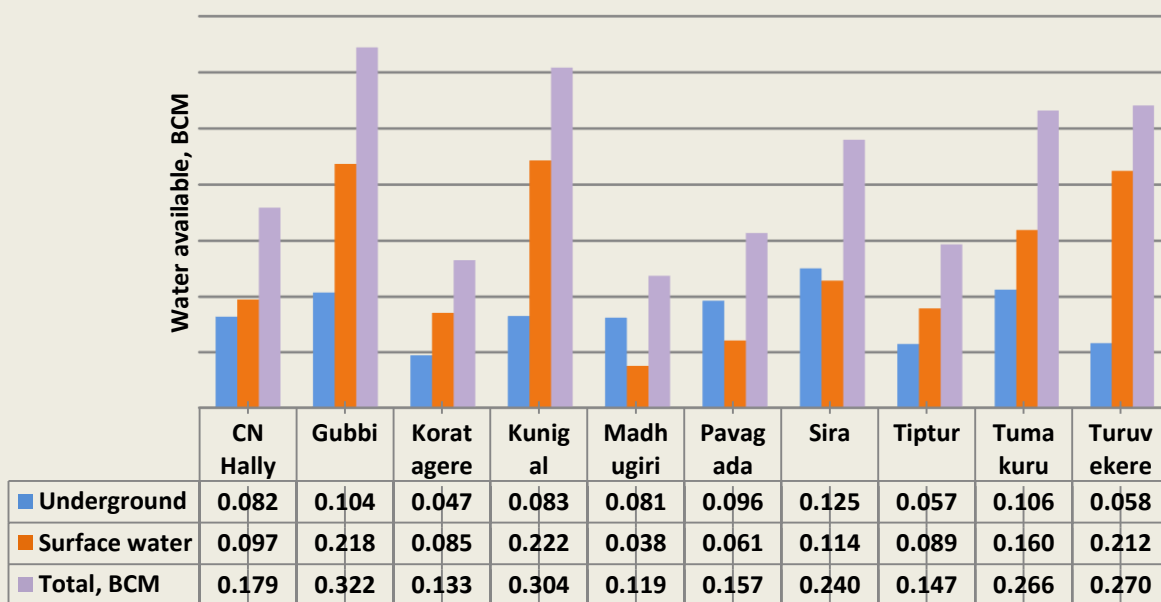


Net irrigated area from canals, tanks, bore wells and open wells is relatively more in taluks of Kunigal, Turuvekere and Gubbi (32,782 to 56,833 ha), whereas it is lower in taluks of Koratagere and Pavagada (8411 to 8757 ha) (Table 3.7).

### 3.5. Existing water available from various sources in Tumakuru district.

The surface water available from minor irrigation and canal for Tumakuru district amounts to 1.29697 BCM (45.80 TMC) at present, where as 0.84061 BCM (29.69 TMC) of water is available from underground (wells) in the district. Kunigal, Gubbi and Turuvekere taluks receive relatively higher amounts of water from the surface sources, while it is lower in Madhugiri taluk. Regarding net underground water recharge, relatively higher amounts of water is available in taluks of Gubbi, Tumakuru and Sira as compared to other taluks. The total water available from these two sources is relatively higher in taluks of Gubbi and Kunigal, followed by Tumakuru and Turuvekere taluks, whereas it is relatively lower in Madhugiri taluk (Table 3.8, Fig. 3.6).

**Fig. 3.6. Water available in Tumakuru district from surface and underground sources - present**



**Table 3.8: Existing water availability from various sources in Tumakuru district**

<b>Name of Blocks</b>	<b>Surface water (BCM)</b>	<b>Under Ground Water (BCM)#</b>	<b>Total water (BCM)</b>	<b>TMC</b>
C N Halli	0.097464	0.08201	0.179474	6.338
Gubbi	0.218437	0.10381	0.322247	11.380
Koratagere	0.085434	0.04726	0.132694	4.686
Kunigal	0.221612	0.08262	0.304232	10.744
Madhugiri	0.037694	0.08109	0.118784	4.195
Pavagada	0.060513	0.09637	0.156883	5.540
Sira	0.114466	0.12549	0.239956	8.474
Tiptur	0.089486	0.05738	0.146866	5.187
Tumakuru	0.159559	0.10641	0.265969	9.393
Turuvekere	0.212304	0.05817	0.270474	9.552
<b>Total</b>	<b>1.29697</b>	<b>0.84061</b>	<b>2.137579</b>	<b>75.488</b>
<b>Total - TMC</b>	<b>45.80</b>	<b>29.69</b>	<b>75.49</b>	

# - [www.https://Agri.%20Dept%20reports/Tumakuru/Tumakuru%20brouchure%202012.pdf](https://Agri.%20Dept%20reports/Tumakuru/Tumakuru%20brouchure%202012.pdf); Central Underground Water Board Brochure, Tumakuru district, 2012

One BCM (Billion cubic meter) = 35.31472 TMC (one thousand million cubic feet)

## **CHAPTER – IV**

### **Water Requirement/ Demand**

Water is a precious natural resource provided by nature to mankind for usage in various activities. Life does not exist without water. All living organisms depend on water for performing various vital functions for survival. Major portion of water is used for agriculture all over India and that too in Karnataka. Although water is renewable resource, it is quite dynamic and becoming scarce due to spatial and temporal variation in rainfall. Water is needed to ensure food security, feed livestock, maintain organic life (sustain lifestyle of human beings, living creatures, conserve biodiversity and environment), industrial use, etc. However, with reckless abuse and increasing demand due to growing population and undesirable lifestyle, many states are facing severe water crisis. It is not only due to rapid population growth alone, but also on account of many other factors such as rise in per capita water demand arising out of continuous upward movement of living standards, increased reliance on irrigated agriculture, massive urbanization and industrialization etc. The available utilizable water resource of the country is considered insufficient to meet all future needs. Under such a situation, in order to face the challenge of water deficit, apart from accelerating pace of development of available utilizable water resources, all out efforts, on the part of people from every walk of life, would need to be made to conserve every drop of water and improve efficiency in all areas of water use.

The National Commission on Agriculture in 1976 estimated water resources in the country for 1974 and projected for 2000 and 2025 based on certain empirical formulae and assumptions related to runoff characteristics of soil, rainfall events and vegetation cover. India is a vast country with a geographical area of 328 Mha and receiving annual precipitation of 1194 mm. This amounts to availability of 400 Mham (million hectare meter) of water to India. Out of this, 17.5% goes as immediate evaporation (70 Mham), 53.8% as precipitation into soil (215 Mham) and 28.7% as surface water (115 Mham, which includes 10 Mham as snowfall). This precipitation into soil is further divided into 41.3% (165 Mham) as soil moisture and 12.5% as ground water (50 Mham). Water is lost through evaporation to an extent of 20% in medium and major reservoirs and 40% in tanks. This assumption is followed for Karnataka (Bhaskar *et al.*, 2016).

Karnataka has total geographical area of 19.20 million ha receiving an annual precipitation of 1133.3 mm (average of 55 years from 1960 to 2014). About 71% of rainfall is received during south west monsoon (June to September), while north monsoon contributes

17% (October to December) and early showers by 12%. The south west monsoon sustains agricultural activity in most parts of the state, as large proportion of agriculture is rainfed farming. Taking geographical area and rainfall into consideration, available water due to precipitation is 21.76 Mham to Karnataka (2176 Billion cubic m or 7688.8 TMC). Following NCA 1976 recommendation, out of 2176 BCM (7688.8 TMC) of water, 53.8% percolates into soil (1170.69 BCM or 4136.57 TMC), 17.5% as immediate evaporation loss (380.8 BCM or 1345.54 TMC), and 28.7% as surface water runoff (624.512 BCM or 2206.69 TMC).

The average annual rainfall in Karnataka is 1248 mm ([https://en.wikipedia.org/wiki/Rainfall\\_in\\_Karnataka\\_-\\_cite\\_note-avg-9](https://en.wikipedia.org/wiki/Rainfall_in_Karnataka_-_cite_note-avg-9)). The state is divided into three meteorological zones viz. North Interior Karnataka, South Interior Karnataka and Coastal Karnataka. Coastal Karnataka with an average annual rainfall of 3456 mm is one of the most rainy regions in the country. Contrasting this, the region of South Interior Karnataka and North Interior Karnataka receive only 1286 and 731 mm of average annual rainfall. ([https://en.wikipedia.org/wiki/Rainfall\\_in\\_Karnataka](https://en.wikipedia.org/wiki/Rainfall_in_Karnataka)).

Karnataka accounts for about six percent of the country's surface water resources. Around 60% of this is provided by the west flowing rivers while the remaining comes from the east flowing rivers. There are seven river basins in all formed by the Godavari, Cauvery, Krishna, the west-flowing rivers, North Pennar River, South Pennar, and Palar ([http://waterresources.kar.nic.in/river\\_systems.htm](http://waterresources.kar.nic.in/river_systems.htm)); ([https://en.wikipedia.org/wiki/Geography\\_of\\_Karnataka](https://en.wikipedia.org/wiki/Geography_of_Karnataka)).

This chapter focuses on water demand by various sectors in Tumakuru District.

## 4.1 Domestic Water Demand

A number of factors like climate, culture, food habits, work and working conditions, level and type of development and physiology determine the requirement of water. The per capita water requirement in urban areas is more than that in the rural areas. As per the Bureau of Indian Standards, IS:1172-1993, a minimum water supply of 200 liters per capita per day (lpcd) should be provided for domestic consumption in cities with full flushing systems. IS:1172-1993 also mentions that the amount of water supply may be reduced to 135 lpcd for the LIG and the economically weaker sections (EWS) of the society and in small towns [Modi, 1998]. However, in the Tenth Plan (2002-07), the cities with planned sewerage systems are classified into two groups based on population, i e, metropolitan or megacities (minimum water supply level is 150 lpcd) and non-metropolitan cities (135 lpcd) [Government of India

1997, 2002]. Over and above the aforesaid demand, 15% losses may be allowed for determining the quantity of raw water required.

During 2015, water requirements for domestic use in Pavagada taluk are relatively higher (0.02919036 BCM), while it is lower in taluk of Madhugiri (0.00825805BCM). The water requirements in these taluks corresponded to the prevalent population. For district as a whole, water demand is 0.1320067 BCM in 2015. With projected growth of population of 9.4% during 2015 to 2020, the domestic water requirements in the taluks of Tumakuru district followed the same trend (Table 4.1, Fig. 4.1).

Thus, domestic water requirement is projected at 0.1444153 BCM in 2020 from the present consumption level of 0.1320067 BCM during 2015 (Table 4.1, Fig. 4.1).

**Table 4.1. Dometic water demand of Tumakuru district, 2015 and 2020**

<b>Taluks</b>	<b>Total Population, 2015</b>	<b>Domestic water demand, BCM</b>	<b>Total population, 2020</b>	<b>Domestic water demand, BCM</b>
Chikkanayakanahally	212,130	0.0104527	232,070	0.0114353
Gubbi	313,758	0.0154604	343,251	0.0169137
Koratagere	245,194	0.0120819	268,242	0.0132176
Kunigal	267,866	0.0131991	293,045	0.0144398
Madhugiri	167,591	0.0082581	183,345	0.0090343
Pavagada	592,397	0.0291904	648,082	0.0319342
Sira	262,518	0.0129356	287,195	0.0141515
Tiptur	222,749	0.0109760	243,687	0.0120077
Tumakuru	168,994	0.0083272	184,879	0.0091099
Turuvekere	225,783	0.0111255	247,007	0.0121713
<b>Total</b>	<b>26,78,980</b>	<b>0.1320067</b>	<b>29,30,803</b>	<b>0.1444153</b>

Water requirement for human being - 135 liters/head/day, lphd;

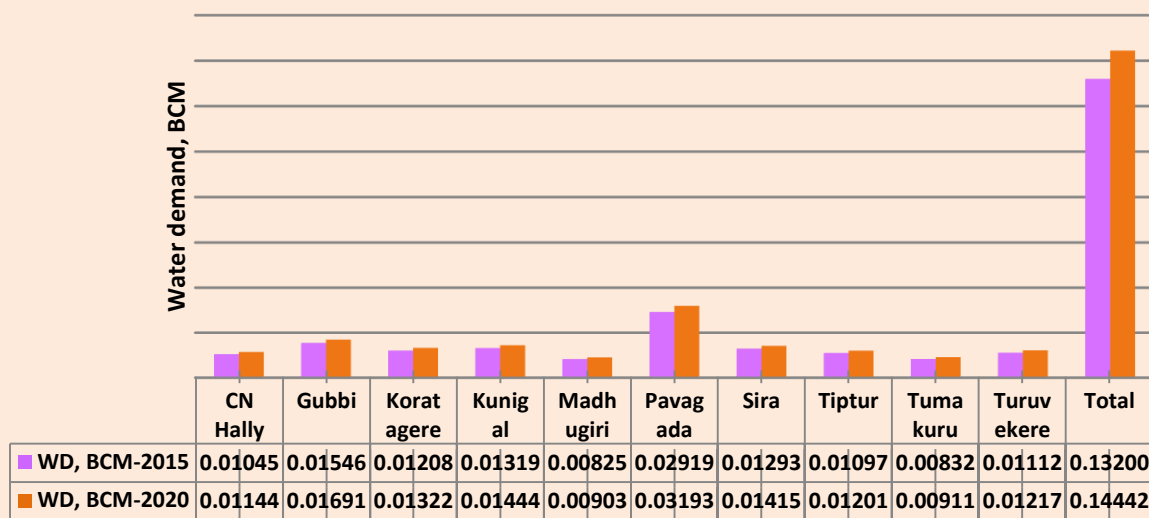
Domestic Water requirement/Demand in Billion cubic meter, BCM

= (Population X Water requirement, 135 lphd X 365 days)/ (1000 liters X 1,000,000,000)

Assumption: Increase in population during 2015 - 2020 is 9.4%.

{Source: Tumakuru district at a glance 2013-14 & 2014-15, Zilla Panchayat, Tumakuru }

**Fig. 4.1. Domestic water demand of Tumakuru district - present and projected for 2020**



## 4.2 Crop Water Requirement

Field/horticultural/plantation crops grown in Tumakuru district are Paddy, Jowar, Ragi, Maize, Minor millets, Red gram, Avare, Bengal gram, Black gram, Horse gram, Cowpea, Green gram, Sesame, Ground nut, Sunflower, Castor, Soybean, Cotton, Sugarcane, Tobacco, Mulberry, Mango, Banana, Sapota, uppota, Pomogranate, Onion, Papaya, Tomato, Brinjal, Green chillies, Coconut, Arecanut, Dry chillies, Tamarind, Aster and Chrysanthemum. For calculation of water requirement of irrigated crops, following methodology and some assumptions have been used based on the recommendations of the NCA, 1976 and methodology suggested by Bhaskar et al. (2016).

Irrigation water requirement considered for calculation purpose for various crops are provided in Table 4.2a and b. From this water requirement of various crops and the area of the crops grown under irrigation, irrigation water requirement for crops has been worked out.

**Assumption** - Rain water accounted for crop use is 30% of total rainfall occurring during the cropping season in Tumakuru district, considering the soil type (sandy soil, sandy loam soils) and the intensity of rain. Rain water used for crops is deducted from the irrigation water requirement to get net water requirement for various crops.

## Crop Water Requirement

Different crops require water in various amounts and crop wise details are as below

**Table 4.2 a : Crop water demand for agriculture crops**

<b>Agriculture crops</b>	<b>Water requirement in mm</b>
Paddy	1500
Jowar	550
Bajra	400
Maize	600
Ragi	450
Minor Millets	350
Bengal gram	450
Red gram	700
other pulses	400
Groundnut	600
Castor	700
Sunflower	600
Sesamum	450
Niger	400
Sugar cane	2000
Cotton	850
Tobacco	500
Mulberry	1200

**Table 4.2 b: Crop water demand for Horticulture crops**

SI No	Horticulture crops	Water requirement in mm
1	Mango	600
2	Banana	1200
3	Lemon	900
4	Guava	600
5	Sapota	500
6	Pomogranate	600
7	Papaya	900
8	Grapes	900
12	Tomato	700
13	Brinjal	700
14	Beans	500
15	Onion	600
16	Green chillies	600
17	Total cole crops	600
18	Ladies finger	500
19	Radish	300
20	Carot	400
21	water melon	300

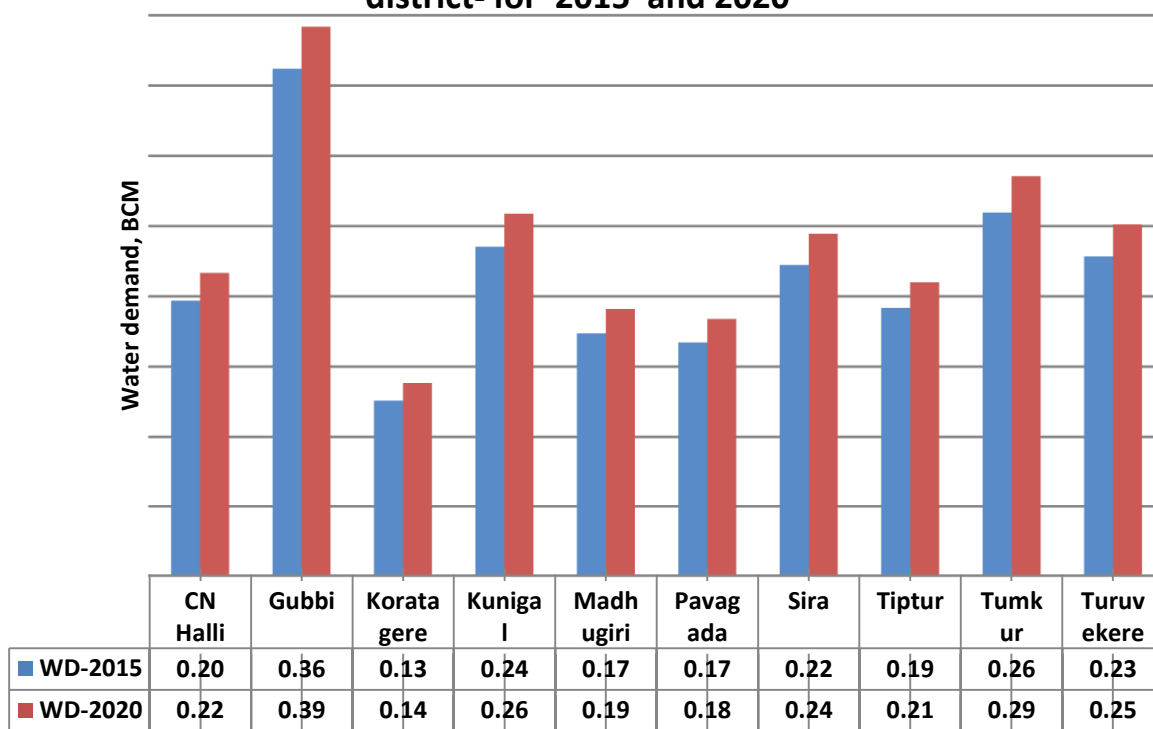
SI No	Horticulture crops	Water requirement in mm
22	Total leafy vegetables	300
23	Total gaurds	400
24	Other vegetables	450
25	Pepper	1000
26	Cardamum	1000
27	Tamarind	600
28	Dry Ginger	900
29	Turmeric	900
30	Garlic	600
31	Dry chilli	500
32	Coriander	600
33	Other spices	700
34	Coconut	400
35	Arecanut	700
37	Cashew	500
38	Other plantation crops	500
39	Total flower crops	700
40	Medicinal plants	700
41	Aromatic crops	700
42	Coffee	1000

Total water requirement of rainfed crops is 0.821379 BCM (0.152004 BCM for horticulture crops and 0.6693723 BCM for field crops), whereas for irrigated crops, total water requirement is 1.34177 BCM (0.894567BCM for horticulture crops and 0.447205BCM for field crops). However, total water requirement for various crops grown in Tumakuru district is 2.16323 BCM (1.04667 BCM for horticulture crops and 1.11658 BCM for field crops) (Table 4.2). Water demand for various crops is higher in taluks of Gubbi (0.36199 BCM), Tumakuru (0.25960 BCM) and Kunigal (0.23532 BCM), whereas it is lower in taluks of Koratagere (0.12583 BCM) and Pavagada (0.167224 BCM). In Tumakuru district, water demand for plantation crops (0.78959 BCM) is higher among horticulture crops, followed by fruit crops (0.2196 BCM), while it is lower in flower crops (0.014454BCM). The water demand of crops corresponded with the area grown in the district.



The projected water demand for total crops is also worked out for 2020, keeping 10% increase in irrigated area due to efficient rain water use, more under area and other means. For Tumakuru district, the projected total water demand for various crops is 2.37956BCM by 2020 as compared to the present demand of 2.16324BCM), which amounts to 10% increase (Table 4.2, Fig. 4.2).

**Fig. 4.2. Water demand of total crops taluk wise in Tumakuru district- for 2015 and 2020**



**Table 4.2: Total Crop Water Requirement of field and horticulture crops of Tumakuru district (rainfed)**

Taluks	Water demand of rainfed crops (BCM)						
	Fruits	Vegetables	Plantation	Flowers	Total Horticulture	Field crops	Total crops
CN Halli	0.0002323	0.000121	0.0233473	0	0.0237006	0.0681508	0.0918514
Gubbi	0.0052325	0.0000328	0.0270720	0.0000027	0.0323399	0.0809502	0.1132901
Koratagere	0.0011188	0.0000415	0.0029669	0.0000206	0.0041478	0.0485603	0.0527080
Kunigal	0.0018117	0.0000442	0.0066879	0	0.0085439	0.0194201	0.0279640
Madhugiri	0.0009078	0.0000287	0.00286521	0.0000101	0.0038118	0.0789260	0.0827378
Pavagada	0.0005844	0.0000715	0.0007063	0	0.0013614	0.1055886	0.10695
Sira	0.0007549	0.000236	0.00674	0.0000349	0.0077657	0.1027519	0.1105177
Tiptur	0.0002978	0.0000183	0.023657	0	0.0239731	0.0408138	0.0647868
Tumakuru	0.0049203	0.000126	0.0131899	0.0000988	0.0183350	0.0819806	0.1003155
Turuvekere	0.0002825	0.0000582	0.0277544	0.0000208	0.0281158	0.0422303	0.0703461
<b>Total</b>	<b>0.0161420</b>	<b>0.000687</b>	<b>0.1349868</b>	<b>0.0001879</b>	<b>0.1520037</b>	<b>0.6693724</b>	<b>0.8213761</b>

Water requirement for crops: Refer Table 4.2.

Irrigation water requirement, ha - cm = Area of the crop, ha X Water requirement of the crop, cm; One ha-cm = 1,00,000 liters or 100 cubic meters;

Source: Mandya district at a glance 2014-15; # - Includes flowers also;

Irrigation water requirement in BCM = {(Irrigation water requirement, ha-cm X 100)/100,000}

**Table 4.2 (Contd.): Total Crop Water Requirement of field and horticulture crops of Tumakuru district (irrigated)**

Taluks	Water demand of irrigated crops (BCM)						
	Fruits	Vegetables	Plantation	Flowers	Total Horticulture	Field crops	Total crops
CN Halli	0.008677	0.000815	0.091288	0.000112	0.100892	0.00425	0.105142
Gubbi	0.040695	0.001479	0.148896	0.000085	0.191155	0.05754	0.248695
Koratagere	0.014775	0.001119	0.019463	0.00324	0.038597	0.03453	0.073127
Kunigal	0.027941	0.00283	0.031153	0.000756	0.06268	0.14468	0.20736
Madhugiri	0.018708	0.0007	0.01642	0.00409	0.039918	0.051015	0.090933
Pavagada	0.021145	0.0034	0.008509	0	0.033054	0.02722	0.060274
Sira	0.022348	0.00471	0.060659	0.0031	0.090817	0.021	0.111817
Tiptur	0.00866	0.0022	0.092	0.000035	0.102895	0.02415	0.127045
Tumakuru	0.027437	0.0023	0.0829	0.00262	0.115257	0.04403	0.159287
Turuvekere	0.013074	0.00268	0.10332	0.000228	0.119302	0.03879	0.158092
<b>Total</b>	<b>0.20346</b>	<b>0.022233</b>	<b>0.654608</b>	<b>0.014266</b>	<b>0.894567</b>	<b>0.447205</b>	<b>1.341772</b>

**Table 4.2 (Contd.): Total Crop Water Requirement of field and horticulture crops of Tumakuru district (rainfed+ irrigated)**

Taluks	Water demand of irrigated + rainfed crops (BCM)							
	Fruits	Vegetables	Plantation	Flowers	Total Horticulture + Mulberry	Field crops	Total crops - 2015	Total crops for 2020
CN Halli	0.0089093	0.000936	0.1146353	0.000112	0.12459255	0.072401	0.19699339	0.216692729
Gubbi	0.0459275	0.001512	0.175968	8.7688E-05	0.22349494	0.13849	0.36198514	0.398183652
Koratagere	0.0158938	0.001161	0.0224299	0.00326062	0.04274478	0.08309	0.12583503	0.138418533
Kunigal	0.0297527	0.002874	0.0378409	0.000756	0.07122387	0.1641	0.23532395	0.258856345
Madhugiri	0.0196158	0.000729	0.0192852	0.00410008	0.04372982	0.129941	0.17367077	0.191037845
Pavagada	0.0217286	0.003472	0.0092153	0	0.0344154	0.132809	0.167224	0.1839464
Sira	0.0231029	0.004946	0.067399	0.00313485	0.09858273	0.123752	0.22233466	0.244568126
Tiptur	0.0089578	0.002218	0.115657	0.000035	0.12686806	0.064964	0.19183181	0.211014991
Tumakuru	0.0323572	0.002426	0.0960899	0.00271883	0.13359196	0.126011	0.25960251	0.285562765
Turuvekere	0.0133565	0.002738	0.1310744	0.00024878	0.14741783	0.08102	0.22843808	0.251281885
<b>Total</b>	<b>0.219602</b>	<b>0.023011</b>	<b>0.7895949</b>	<b>0.01445385</b>	<b>1.04666194</b>	<b>1.116577</b>	<b>2.16323934</b>	<b>2.37956327</b>
<b>Total for 2020</b>	<b>0.2415622</b>	<b>0.025312</b>	<b>0.8685543</b>	<b>0.01589923</b>	<b>1.15132814</b>	<b>1.228235</b>		<b>2.37956327</b>

### **4.3 : Live stock water demand:**

Livestock sector plays a significant role in rural economy of India. It contributes to 5% of total domestic gross product (DGP) and one fourth of total agricultural GDP (AgGDP). Livestock sector is unique in terms of providing employment opportunity particularly to two third of women workforce in India towards animal rearing. Livestock is an integral part of mixed farming of Indian agriculture. Both indigenous cattle and buffalo population registered an annual decline of 4.5 per cent and 4.3 per cent, respectively between 2007 and 2012 census periods, while that of crossbred cattle increased by 5.8 per cent ([https://www/Uttara%20Kannada/Livestock%20census%20Karnataka.pdf](https://www.Uttara%20Kannada/Livestock%20census%20Karnataka.pdf)). Besides, contributing food and inputs (draught energy and manure) for crop production, livestock are important as savings or investments for the poor household and provide food security or insurance through various ways in different production systems. Rainfed regions support the highest number of livestock units. Except buffalo and pigs, more than half of all livestock species (52.3 to 60.1%) are concentrated in the rainfed region. Even 43.1% of the total buffalo and 44.7% of pigs are reared in rainfed region. Irrigated region accounts for higher proportion of buffalo (43.1%) and except sheep it accounts for second highest population of all major livestock species. although the resource degradation in rainfed areas has been observed, various support programmes of the government are encouraging mixed farming to stabilize the income of the resource poor farmers of arid and semi-arid regions of the state. Considering these facts, increase in total population of the livestock has been maintained at 5% in 2020 as compared to earlier census of 2012 (Anjani Kumar and Singh, 2008).

Water requirement for livestock and other animals namely - indigenous cattle, cross bred cattle, draft animals/bulls/others, sheep, goats, pigs, duck, and poultry, have been calculated separately with the corresponding population for 2012. The projected water requirement for livestock population at 2020 has also been calculated separately for all live stocks. The total water requirement for live stocks for 2012 and projected for 2020 is provided taluk wise in Table 4.3.

Total population of livestock and other animals in Tumakuru district is 3235,316 during 2012 and their water requirement is 0.015922 BCM. Considering the increase in the population of livestock at 15% from 2007 to 2020, their water demand would be 0.01831 BCM with corresponding population of 3720,613 (Table 4.3 and Fig 4.3). Water demand of livestock is more in Kunigal, Pavagada, followed by Sira, Tumakuru and Gubbi taluks, as reflection of corresponding livestock population in these taluks.

**Table 4.3. Water demand of livestock and other animals of Tumakuru district, present and projected for 2020**

<b>Taluks</b>	<b>Population, 2012</b>	<b>Water demand, BCM</b>	<b>Population, 2020</b>	<b>Water demand, BCM</b>
Chikkanayakanahally	306939	0.001586	352980	0.001891
Gubbi	793204	0.001111	912185	0.001283
Koratagere	266184	0.00177	306112	0.002066
Kunigal	573871	0.001323	659952	0.001522
Madhugiri	311304	0.001153	358000	0.001326
Pavagada	329052	0.001728	378410	0.001994
Sira	684895	0.001379	787629	0.001591
Tiptur	289723	0.001598	333182	0.001899
Tumakuru	756476	0.001295	869947	0.0015
Turuvekere	353544	0.014154	406576	0.016521
<b>Total</b>	<b>4665192</b>	<b>0.027097</b>	<b>5364971</b>	<b>0.031593</b>

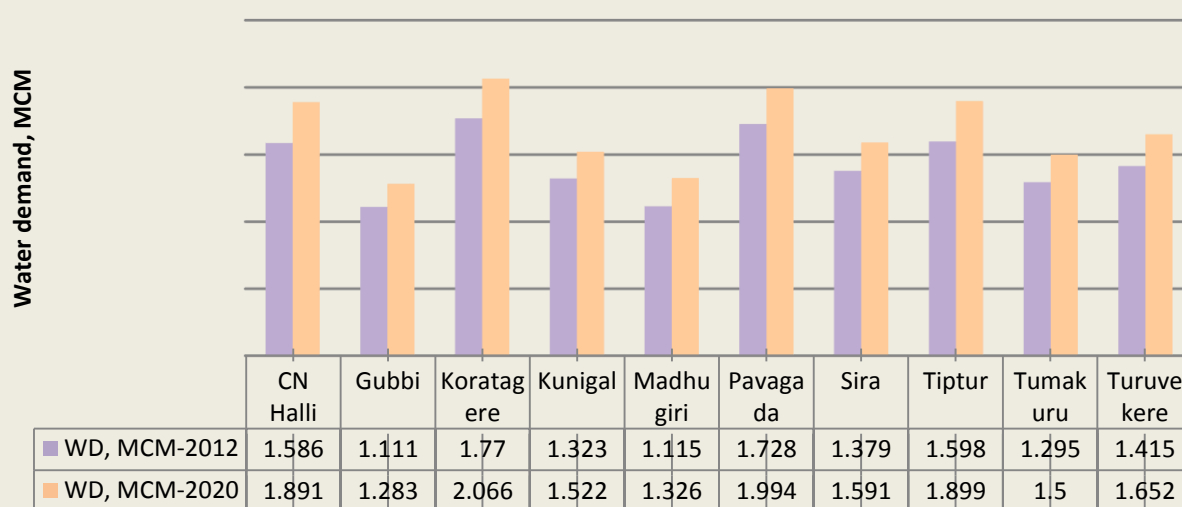
Water requirement for various livestock: liters/head/day, lphd: Indigenous cattle - 36 lit; Cross bred cattle/ Buffalo - 55 lit; Sheep/Goat - 3.5 lit; Pigs - 6.3 lit; Poultry - 0.3 lit; Dog - 1.8 lit; Duck - 1.0 lit; Others (Bull/He Buffalo/Others) - 55 lit

Water requirement is calculated based on water requirement for various livestock(s), BCM = {(Population of livestock \* Water requirement for various livestock, lphd X 365 days)/1000\*1000,000,000}

Livestock population is projected to be increased by 15% between 2007 to 2020 census, due to encouragement in the government policies and more support for integrated farming systems. Though cattle population has decreased particularly in favour of indigenous cattle, this reduction is compensated with increase in the density of cross bred animals and other animals due to economic considerations.

(Anjani Kumar and Singh, D.K. 2008. Livestock production systems in India: An appraisal across agro-ecological regions. Indian Journal of Agricultural Economics, 63(4): 577-597)

**Fig. 4.3. Water demand of livestock and other animals of Tumakuru district - present and projected for 2020**



#### 4.4 Industrial Water Demand

Surface water is the major source of water for the industries in India (41%) followed by groundwater (35%) and municipal water (24%). With greater demand for water, water availability to Industries is becoming scarce and has to invest more for getting water. In addition, industries have to adopt conservation measures and reuse of water after treatment. The water available from waste water treatment is being used for gardening.

While inadequate availability of water is the major risk facing the industries (37%), others agree that poor water quality is another major risk in the running of business (14%). Sectors like pharmaceuticals, power, food processing and agriculture feel the brunt of poor water quality. High costs for obtaining water are hindering the business interest of smaller industries and the ones which are located in the drier regions of the country. Around 14 per cent of the respondents also feel that environmental changes over the past few decades have had an impact on freshwater availability. A realization is gradually emerging that rectifying measures needs to be taken by industries to augment freshwater through rainwater harvesting and wastewater treatment and reuse.

Indian industry is becoming responsive to the fact that it should be the role of every user to undertake measures for water conservation. It is desirable that the shared responsibility of companies across sectors is to join hands with communities and governments to work on programmes for water conservation, recharge and wastewater treatment (FICCI, 2011).

In Tumakuru district present water demand for 23 industries is 0.0396816 BCM (1.40 TMC). The projected water demand by 2020 for these industries is 0.044182 BCM (1.56 TMC), but existing water potential is 0.0002 BCM. Therefore, additional water potential to be created by 2020 is 0.043982 BCM (1.55 TMC). Table 4.4 represents the industrial water demand of different blocks of Tumakuru District. The water demand of industries is more in Gubbi, followed by Tumakuru, Kunigal and Sira, it is relatively lower in CN Hally, Koratagere and Tiptur for 2015 as well as 2020 (Table 4.4).

It is necessary to augment the requirement of fresh water by undertaking wastewater treatment and using it for horticulture, gardening, ash handling, washing of ore, flushing toilets, cleaning, fire-fighting and dust suppression activities. The industries must see a merit and an economically value in reusing wastewater for purposes where water quality is not an important criterion. There is a need to take up water auditing to understand the complete water use pattern in their operations and look for water saving measures.



#### 4.4: Industrial Water Demand

Block	Name of the industry	Water demand (BCM)	Water demand (TMC)	Water demand in 2020 (BCM)	Water demand in 2020 (TMC)	Existing Water potential (BCM)	Water potential to be created (BCM)
Tumkur District	Food & Beverages	0.0000543084	0.0019178451	0.0000745184	0.0026315428	0.0000543084	0.0000202101
	Textile & Ready Made Garments	0.0000059495	0.0002101006	0.0000080884	0.0002856338	0.0000059495	0.0000021389
	Wood & Wooden Based Industries	0.0000037960	0.0001340519	0.0000046574	0.0001644714	0.0000037960	0.0000008614
	Printing & Stationery	0.0000017885	0.0000631591	0.0000024145	0.0000852648	0.0000017885	0.0000006260
	Leater & Leather Based Industries	0.0000034785	0.0001228380	0.0000047888	0.0001691117	0.0000034785	0.0000013104
	Rubber & Plastic Industries	0.0000033945	0.0001198734	0.0000045406	0.0001603467	0.0000033945	0.0000029711
	Chemicals Based Industries	0.0000159596	0.0005635982	0.0000222066	0.0007842039	0.0000159596	0.0000062470
	Mineral Based Industries	0.0000349670	0.0012348246	0.0000465649	0.0016443920	0.0000349670	0.0000137879
	General Engineering & Allied	0.0000422853	0.0014932613	0.0000576919	0.0020373318	0.0000415553	0.0000161367
	Electric & Electrical Industries	0.0000098003	0.0003460860	0.0000132897	0.0004693107	0.0000098003	0.0000297694
	Automobiles	0.0000114610	0.0004047338	0.0000144321	0.0005096552	0.0000114610	0.0000029711
	Transport & Equipments	0.0000081760	0.0002887273	0.0000113698	0.0004015114	0.0000081760	0.0000031938
	Ferrous & Non Ferrous	0.0000102018	0.0003602646	0.0000137404	0.0004852294	0.0000102018	0.0000035387
	Repairs & Service Units	0.0000215898	0.0007624204	0.0000299410	0.0010573347	0.0000215898	0.0000116362
	Other Service Units	0.0000103916	0.0003669672	0.0000125794	0.0004442275	0.0000103916	0.0000021878
	Other Products	0.0000287438	0.0010150568	0.0000384319	0.0013571857	0.0000287438	0.0000096882
	Coir Based Industries	0.0000079753	0.0002816380	0.0000118917	0.0004199435	0.0000079753	0.0000039165
	Coir Based Industries	0.0000073000	0.0002577922	0.0000109500	0.0003866883	0.0000073000	0.0000036500
	Vasantha Narasapura Industrial Area	0.03940000	1.3913716000	0.0438000000	1.5467532000	-	-
	Antharashanalli Industrial Area						
	Hirehalli Industrial Area						
	Satyamangala Industrial Area						
	Sira Industrial Area						
	<b>Tumkur Dist Total</b>	<b>0.0396815665</b>	<b>1.4013148385</b>	<b>0.0441820973</b>	<b>1.5602465851</b>	<b>0.0002808365</b>	<b>0.0001348409</b>

**4.5. Water demand for power generation:** No facility for power generation is available in the district. There is no new proposal for power generation (Table 4.5).

**Table 4.5 Water demand for power generation in Bangalore Rural district**

Block	Name of the power generating unit/ Power requirement	Present Water demand, BCM	Proposed for new power generating unit	Water demand at 2020, BCM
	None		No new proposal	

**4.6. Water demand for other public purposes:**

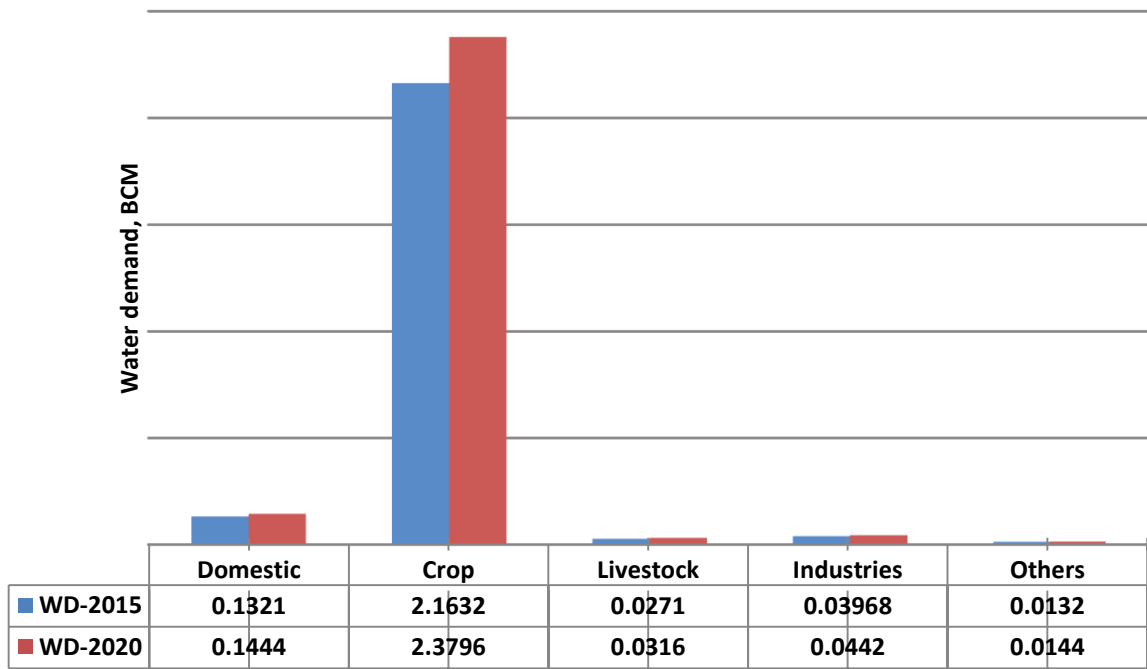
Water is also required to be provided in public places like schools, colleges, offices, public toilets, bus station, railway stations, theaters, hostels, hotels, restaurants, hospitals, nurses homes and medical quarters, community hall and all other public places. Here, it is very difficult to work out the water demand for all these places, which require many parameters - number of person involved in each activity, type facility available, etc. It is assumed that 10% of domestic requirement is considered as water demand for these public places. The water demand for these public places amounted to 0.0132 BCM in 2015 (0.47 TMC), where as the water demand would be 0.014442 BCM (0.51 TMC) by 2020 (Table 4.6a, 4.6b).

**4.7. Total water demand of the district for various sectors:**

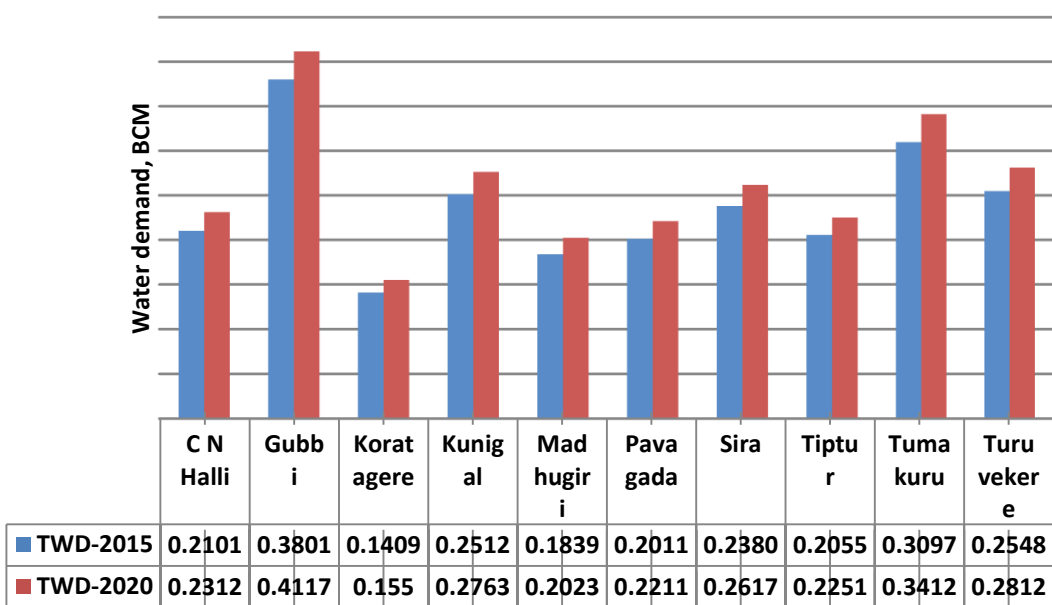
At present, water demand for all purposes in Tumakuru district is 2.37525 BCM (83.88 TMC), of which major share goes to crop's use, amounting to 2.1632 BCM (76.39 TMC) (91.1%). The next share of water demand is for domestic use (5.6%), industries (1.7%), livestock (1.1%) and others (0.5%). The water demand of livestock and other purposes is around 1.7% of the total (Table 4.6a, Fig. 4.4).

Water demand for various sectors put together for 2015 is more in Gubbi, Tumakuru, Turuvekere and Kunigal taluks, while it is lower in Koratagere taluk. The projected water demand of various sectors for 2020 followed the same trend of 2015 and would be to the tune of 2.6142 BCM (92.32 TMC) for 2020 (Table 4.6b, Fig. 4.5).

**Fig. 4.4. Total water demand sector wise in Tumakuru district - present (2015) and projected for 2020**

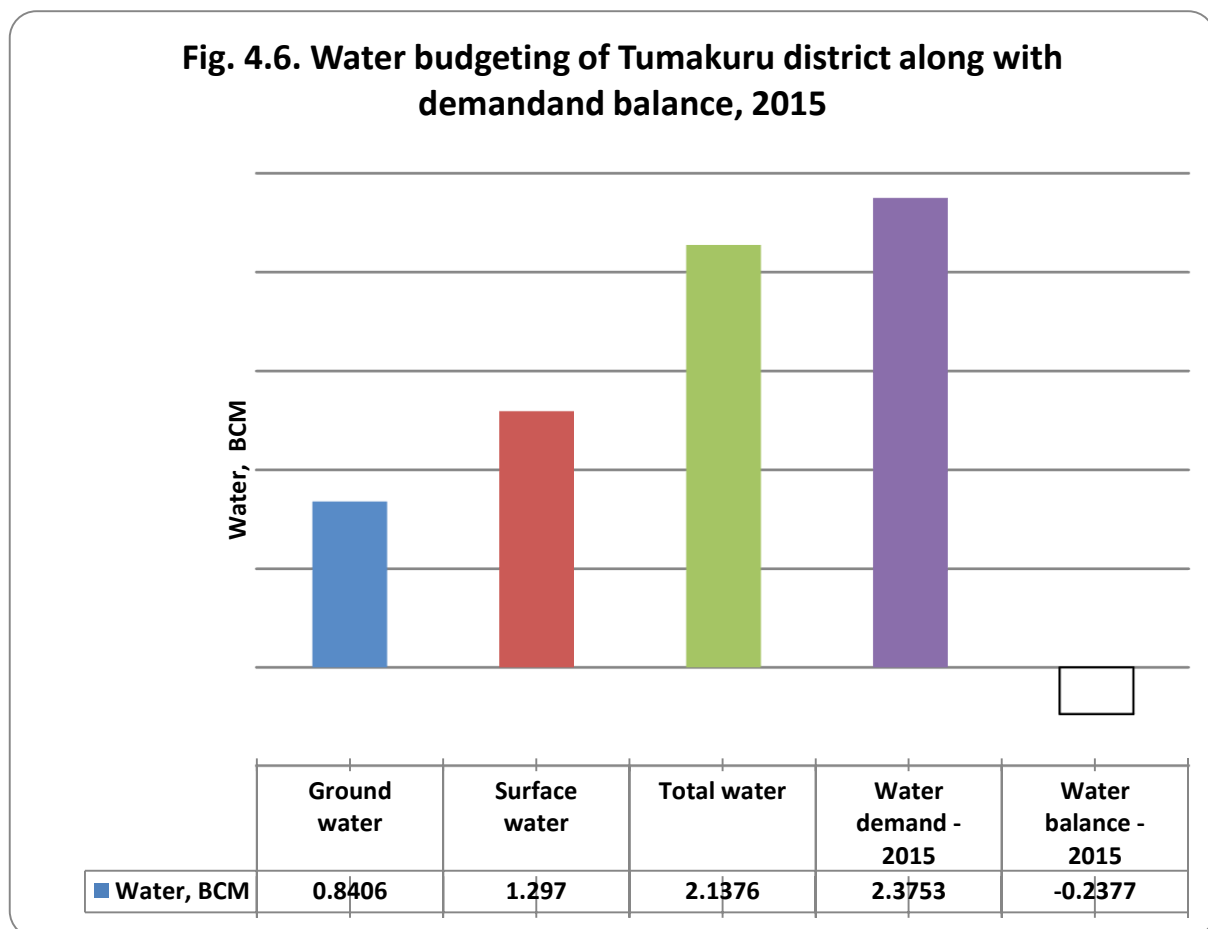


**Fig. 4.5. Total water demand of various sectors taluk wise in Tumakuru district - 2015 and 2020**



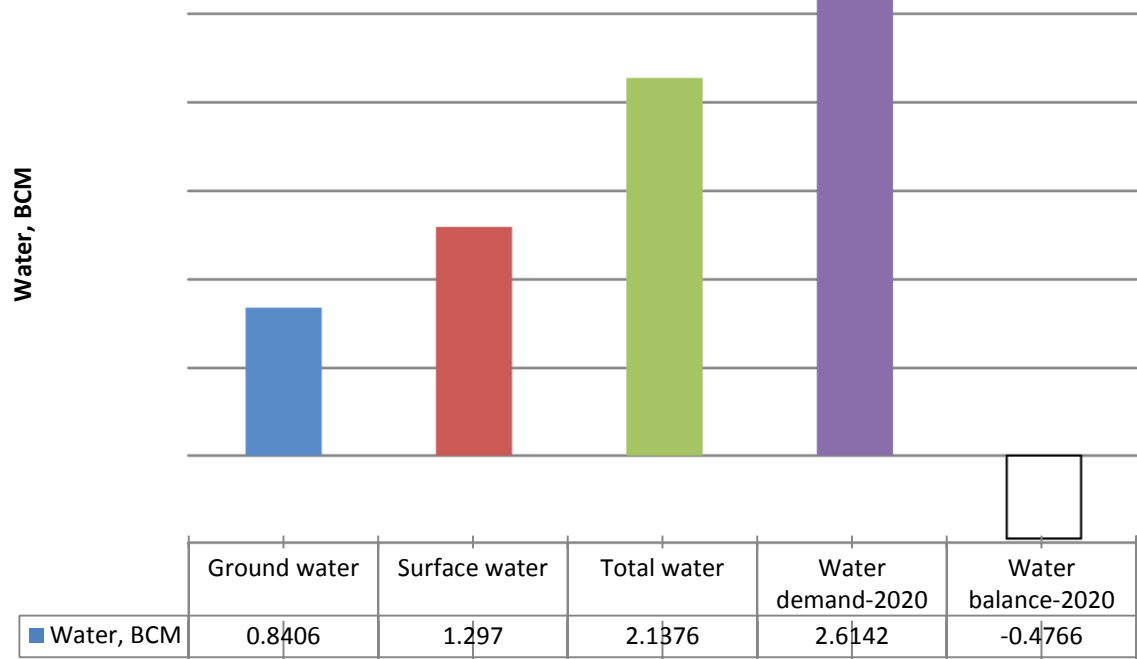
**4.8. Water budgeting:** Total water available from surface water and underground water of Tumakuru district is 2.137579 BCM (75.49 TMC), of which, available underground water is 39.3% (29.69 TMC) and surface water available through canal, minor irrigation is 60.7% (45.80 TMC) (Table 4.8). Thus, total water availability for the district from all sources at present is 2.137579 BCM (75.49 TMC), which is less than the present requirement (2015) of 2.37525BCM (83.88 TMC) (Table 4.7, Fig. 4.6). There is need to make necessary measures to make available additional amount of water to the tune of -0.23767 BCM (-8.39 TMC) during 2015 and -0.47661 BCM (-16.83 TMC) during 2020 (Fig. 4.7). This negative balance has been observed in all taluks (except Kunigal, Sira and Turuvkere having positive balance) during 2015 as well as for 2020. This positive balance indicates the water can be harvested, if suitable

**Fig. 4.6. Water budgeting of Tumakuru district along with demand and balance, 2015**



conservation measures are followed. The effort should be made to encourage water conservation structures to enhance the underground recharge and rejuvenating tanks/lakes by desilting and other means to hold more in tanks/lakes, etc.

**Fig. 4.7. Water budgeting in Tumakuru district along with demand and balance -2020**



**Table 4.6a: Total Water Demand of various sectors in Tumakuru district –Present demand, 2015**

Sl. No.	Block	Components -Present Demand						Total, BCM
		Domestic	Crop	Livestock	Industries	Power generation	Others	
1	C N Halli	0.0104527	0.19699	0.001586	0.000005	0.0	0.0010453	0.21008
2	Gubbi	0.0154604	0.36199	0.001111	0.000009	0.0	0.0015460	0.38012
3	Koratagere	0.0120819	0.12586	0.00177	0.000009	0.0	0.0012082	0.14093
4	Kunigal	0.0131991	0.23532	0.001323	0.000009	0.0	0.0013199	0.25117
5	Madhugiri	0.0082581	0.17367	0.001153	0.000008	0.0	0.0008258	0.18391
6	Pavagada	0.0291904	0.16722	0.001728	0.000005	0.0	0.0029190	0.20106
7	Sira	0.0129356	0.22234	0.001379	0.000012	0.0	0.0012936	0.23796
8	Tiptur	0.0109760	0.19183	0.001598	0.000019	0.0	0.0010976	0.20552
9	Tumakuru	0.0083272	0.25961	0.001295	0.039599	0.0	0.0008327	0.30966
10	Turuvekere	0.0111255	0.22844	0.014154	0.000004	0.0	0.0011126	0.25484
<b>Total</b>		0.1320067	2.16324	0.027097	0.039679	0	0.013201	2.37525
<b>Total - TMC</b>		<b>4.66</b>	<b>76.39</b>	<b>0.96</b>	<b>1.40</b>	<b>0.00</b>	<b>0.47</b>	<b>83.88</b>

One BCM = 35.31472 TMC, thousand million cubic feet

**Table 4.6b: Total water Demand of various sectors in Tumakuru district - projected for 2020**

Sl. No	Block	Components - Demand -2020						Total, BCM
		Domestic	Crop	Livestock	Industries	Power generation	Others	
1	C N Halli	0.0114353	0.21669	0.001891	0.000006	0.0	0.0011435	0.2311658
2	Gubbi	0.0169137	0.39184	0.001283	0.000010	0.0	0.0016914	0.4117381
3	Koratagere	0.0132176	0.13842	0.002066	0.000011	0.0	0.0013218	0.1550364
4	Kunigal	0.0144398	0.25886	0.001522	0.000011	0.0	0.0014434	0.2762762
5	Madhugiri	0.0090343	0.19104	0.001326	0.000009	0.0	0.0009034	0.2023127
6	Pavagada	0.0319342	0.18395	0.001994	0.000008	0.0	0.0031934	0.2210796
7	Sira	0.0141515	0.24457	0.001591	0.000012	0.0	0.0014152	0.2617397
8	Tiptur	0.0120077	0.21001	0.001899	0.000028	0.0	0.0012008	0.2251455
9	Tumakuru	0.0091099	0.28556	0.0015	0.044078	0.0	0.0009110	0.3411589
10	Turuvekere	0.0121713	0.25128	0.016521	0.000005	0.0	0.0012171	0.2811944
<b>Total</b>		<b>0.1444153</b>	<b>2.37956</b>	<b>0.031593</b>	<b>0.044178</b>	<b>0</b>	<b>0.0144415</b>	<b>2.6141878</b>
<b>Total - TMC</b>		<b>5.10</b>	<b>84.03</b>	<b>1.12</b>	<b>1.56</b>	<b>0.00</b>	<b>0.51</b>	<b>92.32</b>

One BCM = 35.31472 TMC, thousand million cubic feet

**Fig 4.7: Water budgeting for Tumakuru district - available, demand and balance – present and projected for 2020**

<b>Taluks</b>	<b>Surface water through canals/tanks, BCM##</b>	<b>Under-ground water, BCM #</b>	<b>Total water available, BCM</b>	<b>Total water available, TMC</b>	<b>Total demand, BCM - 2015</b>	<b>Total demand, TMC-2015</b>	<b>Water balance, BCM-2015</b>	<b>Total demand, BCM-2020</b>	<b>Water balance, BCM-2020</b>
C N Halli	0.09746	0.08201	0.17947	6.338	0.21008	7.42	-0.03061	0.2311658	-0.05170
Gubbi	0.21844	0.10381	0.32225	11.380	0.38012	13.42	-0.05787	0.4117381	-0.08949
Koratagere	0.08543	0.04726	0.13269	4.686	0.14093	4.98	-0.00824	0.1550364	-0.02235
Kunigal	0.22161	0.08262	0.30423	10.744	0.25117	8.87	0.05306	0.2762762	0.02795
Madhugiri	0.03769	0.08109	0.11878	4.195	0.18391	6.49	-0.06513	0.2023127	-0.08353
Pavagada	0.06051	0.09637	0.15688	5.540	0.20106	7.10	-0.04418	0.2210796	-0.06420
Sira	0.11447	0.12549	0.23996	8.474	0.23796	8.40	0.002	0.2617397	-0.02178
Tiptur	0.08949	0.05738	0.14687	5.187	0.20552	7.26	-0.05865	0.2251455	-0.07828
Tumakuru	0.15956	0.10641	0.26597	9.393	0.30966	10.94	-0.04369	0.3411589	-0.07519
Turuvekere	0.21230	0.05817	0.27047	9.552	0.25484	9.00	0.01563	0.2811944	-0.01072
<b>Total</b>	<b>1.29697</b>	<b>0.84061</b>	<b>2.13758</b>	75.488	2.37525	83.88	-0.23768	2.6141878	-0.46928
<b>Total - TMC</b>	<b>45.802</b>	<b>29.686</b>	<b>75.488</b>	--	<b>83.88</b>	--	<b>-8.39</b>	<b>92.32</b>	<b>-16.83</b>

# - Central Underground Water Biard Brochure, Tumakuru district, 2012; ## - Water availabel through canals (major and medium) and minor irrigation tanks; 1 BCM (Billion cubic meter = 35.31472 TMC ( thousand million cubic feet)



## CHAPTER V

### STRATEGIC ACTION PLAN

#### 1. Epilogue:

Tumakuru district encompasses 10 taluks namely Chikanayakanahalli, Gubbi, Kotatagere, Kunigal, Madhugiri, Pavagada, Sira, Tiptur, Tumakuru and Turuvekere. The district is primarily dependent on agrarian economy as 44 per cent of the rural workforce is engaged in farming and 31 percent of the workforce in the district eakeout their livelihood working as agricultural labourers. The total geographical area of the district is 10.65 lakh ha. Land put to non agricultural uses and barren, uncultivable land together is 3.57 lakh ha. net area sown is 5.20 lakh ha and around 0.79 lakh ha area is sown more than once.

Agriculture in the district is dependent on monsoon rains. Long term average annual precipitation of the district is 743 mm with average rainy days of 42 days in a year. Tanks and bore-weels are the major source of irrigation in the district. Kunigal, Gubbi, Tiptur, Tumakuru & Turuvekere taluks have access to canal irrigation. The net as well as gross irrigated area accounts for little more than 64 per cent of the net sown and gross sown area.

The forth coming Strategic Action Plan, prepared for each taluk separately, will have to include the irrigation infrastructure for major irrigation, minor irrigation, ground water recharge, harvesting of rain water, improvement of irrigation efficiency and strengthening the adoption of micro-irrigation in the district.

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

There has also been appreciable development in the areas of drinking water supply and other uses. However, growing population, urbanization and industrialization has led to considerable increase in demand of water for various purposes e.g., irrigation, domestic needs, industrial requirements.

In this background, drawing up of district irrigation plan on holistic basis derives great importance for considering all water resources of the district. Since many decades, more importance was given to construct reservoirs and provide canal irrigation to improve the performance of agriculture in the country. But, importance was not given to rationalise and regulate the use of ground water, even though ground water is more than 50% of national water resource. Similarly, desirable focus was not given in harvesting the surface flow rain water for its efficient. Adoption of micro irrigation is known to save substantial water, which can help increasing the irrigated area. Adoption of micro irrigation is still not very popular and needs encouragement in all respects.

The district level action plan is prepared as a part of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) for Tumakurudistrict duly considering the available surface as well as ground water resources in the district for sustainable water management. PMKSY-DIP irrigation plan envisages to expand area under irrigation through surface and ground water sources by creating new water harvesting structures and using water saving irrigation system like micro irrigation. The total estimated cost for DIP under PMKSY is Rs. 1070063.61lakhs.

In this context, it can be explained that there is a strong linkage between water supply with all other developmental activities. In perspective of dynamic development scenario, it must be remembered that, the key priorities and identified strategies cannot be considered as static and firm. These need to be reviewed and improved upon from time to time. In this regard, a comprehensive “Strategic Plan for District Irrigation” has been prepared. Taluk-wise strategic action plan for irrigation under PMKSY are presented below followed by detailed strategic DIP plans by components and departments.

**Table 5.1: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Chikkanayakana Halli Taluk**

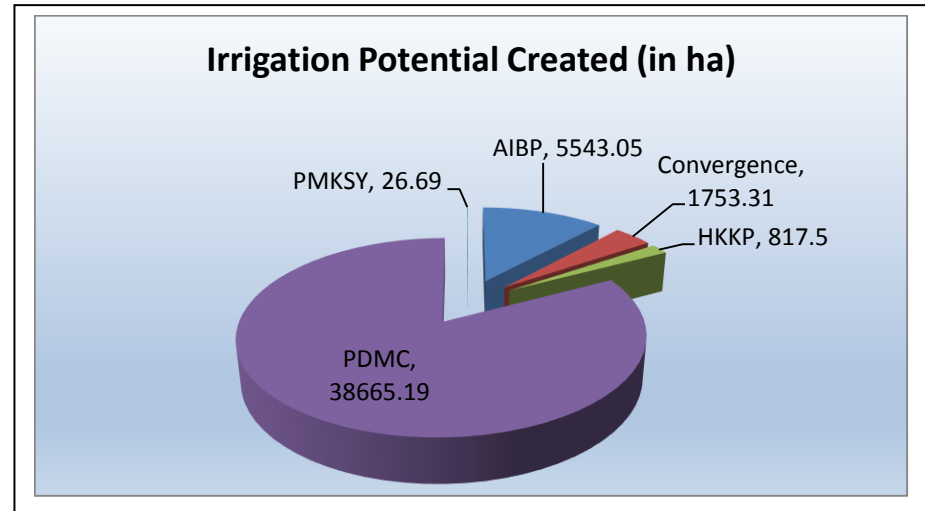
Concerned Ministry/ Department	Component	Activity	Total Number/Capacity(cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
MoWR - Minor Irrigation	AIBP	Construction of Bridge cum Barrage, Check Dams, Pick Ups	16	886.05	393.80	393.80	393.80	393.80	393.8	1969.00
MoWR -UBP		Major Irrigation	14694292.03	4657	5095.00	5095.00	5095.00	5095.00	5095	25475.00
MoWR -UBP		MI Tanks	40191719.98	0	130.00	130.00	130.00	130.00	130.00	650.00
MOWR- Yettinahole		Drinking Water(Reservoir) & MI Tank filling	0.347		3733.78	3733.78	3733.78	3733.78	3733.78	18668.91
DoLR-MoRD -Agriculture Dept	Convergence with MGNREGA	Trench cum Bund	1088.40		30.48	30.48	30.48	30.48	30.48	152.38
DoLR-MoRD -Agriculture Dept		Farm pond	1000		48.00	48.00	48.00	48.00	48.00	240.00
DoLR-MoRD -Agriculture Dept		Bore well Recharge Points	560		81.76	81.76	81.76	81.76	81.76	408.80
DoLR-MoRD -Agriculture Dept		Agro-forestry	454100		31.79	31.79	31.79	31.79	31.79	158.94
DoLR-MoRD -Agriculture Dept		Dry land Horticulture	181640		12.71	12.71	12.71	12.71	12.71	63.57
DoLR-MoRD -Social Forest		Raising , Maintenance of seedlings	75 Kms & 6.5 lakhs seedlings		74.58	74.58	74.58	74.58	74.58	372.91

		&Plantation								
DoLR-MoRD -Social Forest		Soil & Moisture Conservation (cum)	5000		12.20	12.20	12.20	12.20	12.20	61.00
DoLR-MoRD -Territorial Forest		Soil & Moisture Conservation	11250		822.25	822.25	822.25	822.25	822.25	4111.25
DoLR-MoRD -Territorial Forest		Raising , Maintenance of seedlings & Plantation			1094.46	1094.46	1094.46	1094.46	1094.46	5472.30
DoLR-MoRD-PRED- Madhugiri Division		Renovation of water bodies including desilting	117 No. of Tanks/ 21582250.96 Cum.	1753.31 Ha	627.00	627.00	627.00	627.00	627.00	3135.00
MoWR - Minor Irrigation	Har khet ko pani	Fresh works Percolation Tank	2	58.5	26.00	26.00	26.00	26.00	26.00	130.00
MoWR - Minor Irrigation		Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	10	301.5	134.00	134.00	134.00	134.00	134.00	670.00
MoWR - Minor Irrigation		RRR of fresh works for Tanks	8	457.50	122.00	122.00	122.00	122.00	122.00	610.00
MOA &FW- DAC&FW - Horticulture Dept	Per drop more crop (Micro Irrigation )	DPAP Drip	20240	16190.19	550.47	550.47	550.47	550.47	550.47	2752.33
MOA &FW- DAC&FW - Sericulture Dept		DPAP Drip		80.00	15.62	15.62	15.62	15.62	15.62	78.08

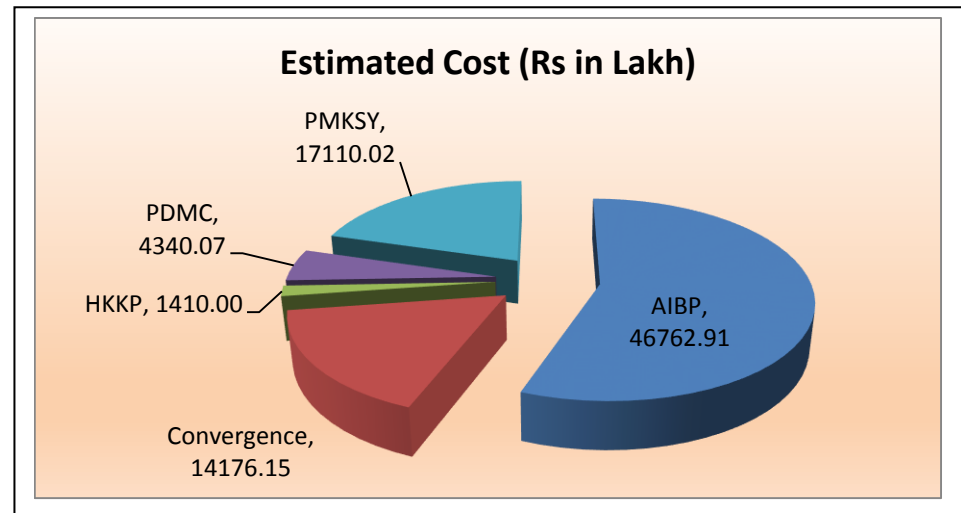
MOA &FW-DAC&FW - Agriculture Dept		Non -DPAP Sprinkler	21578	22395	301.93	301.93	301.93	301.93	301.93	1509.66
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Trench cum Bund(Ha)	23530		628.36	628.36	628.36	628.36	628.36	3141.778
DoLR-MoRD -Agriculture Dept		Farm pond	8174		392.35	392.35	392.35	392.35	392.35	1961.76
DoLR-MoRD -Agriculture Dept		Check Dam	155		155.00	155.00	155.00	155.00	155.00	775.00
DoLR-MoRD -Agriculture Dept		Nala Bund-I	24		24.00	24.00	24.00	24.00	24.00	120.00
DoLR-MoRD -Agriculture Dept		Percolation Tank	42		42.00	42.00	42.00	42.00	42.00	210.00
DoLR-MoRD -Agriculture Dept		Nala Bund-II( Earthen Bund)	240		122.00	122.00	122.00	122.00	122.00	610.00
DoLR-MoRD -Agriculture Dept		PMKSY Watershed	Gokatte	88		35.20	35.20	35.20	35.20	35.20
DoLR-MoRD -Agriculture Dept	Mini percolation Tank		54		16.20	16.20	16.20	16.20	16.20	81.00
DoLR-MoRD -Agriculture Dept	Bore well Recharge Points		840.00		122.64	122.64	122.64	122.64	122.64	613.20
DoLR-MoRD	Agro-forestry		454099.95		45.41	45.41	45.41	45.41	45.41	227.045

-Agriculture Dept										
DoLR-MoRD -Agriculture Dept	Dry land Horticulture	181640		34.51	34.51	34.51	34.51	34.51	34.51	172.562
DoLR-MoRD -Agriculture Dept	Diesel pumpset	2293		68.80	68.80	68.80	68.80	68.80	68.80	343.99
DoLR-MoRD -Agriculture Dept	Geomembrane	4586.5		157.65	157.65	157.65	157.65	157.65	157.65	788.26
DoLR-MoRD -Agriculture Dept	Slab/Clay - Cement mortar lining	4586.5		458.65	458.65	458.65	458.65	458.65	458.65	2293.25
DoLR-MoRD -Agriculture Dept	EPA,ICT,M&E, livelihood	21814		94.24	94.24	94.24	94.24	94.24	94.24	471.18
DoLR-MoRD-PRED-Madhugiri Division	check dams	222 Numbers/ 188700 Cum	26.69 Ha	1025.00	1025.00	1025.00	1025.00	1025.00	1025.00	5125.00
<b>Total</b>				<b>46805.74</b>	<b>16759.83</b>	<b>16759.83</b>	<b>16759.83</b>	<b>16759.83</b>	<b>16759.83</b>	<b>83799.14</b>

**Fig. 5.1: Irrigation Potential Created in Chikkanayakana Halli Taluk**



**Fig. 5.2: Estimated Budget for Interventions in Chikkanayakan Halli Taluk**



**Table 5.2: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Gubbi Taluk**

Concerned Ministry/ Department	Component	Activity	Total Number/Capacity(cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
MoWR - Hemavathy Canal Zone - Tumakuru	AIBP	Improvements of Feeder Canal	25	58.3	770.80	770.80	770.80	770.80	770.80	3854.00
MoWR - Hemavathy Canal Zone - Tumakuru	AIBP	Construction of Pick-ups	33	-	205.20	205.20	205.20	205.20	205.20	1026.00
MoWR-CADA	AIBP	Pick up/Check Dam	12	132	58.20	58.20	58.20	58.20	58.20	291.00
MoWR-CADA	AIBP	Seepage Drain	-	230.00	3.00	3.00	3.00	3.00	3.00	15.00
MoWR-CADA	AIBP	Unlined Channels - Field Irrigation Channels	7908.90Cum	333.93	5.01	5.01	5.01	5.01	5.01	25.04
MOWR-Yettinahole	AIBP	Drinking Water(Reservoir) & MI Tank filling	0.108		1162.01	1162.01	1162.01	1162.01	1162.01	5810.05
MoWR - Town Panchayat	AIBP	Heruru Tank development for drinking water purpose	1		160.00	160.00	160.00	160.00	160.00	800.00



MoWR - Minor Irrigation	AIBP	Construction of Bridge cum Barrage, Check Dams, Pick Ups	11	356.85	158.60	158.60	158.60	158.60	158.60	793.00
DoLR-MoRD -Agriculture Dept	Convergence with MGNREGA	Trench cum Bund	2325.20		65.11	65.11	65.11	65.11	65.11	325.53
DoLR-MoRD -Agriculture Dept	Convergence with MGNREGA	Farm pond	1000		48.00	48.00	48.00	48.00	48.00	240.00
DoLR-MoRD -Agriculture Dept	Convergence with MGNREGA	Bore well Recharge Points	2800		408.80	408.80	408.80	408.80	408.80	2044.00
DoLR-MoRD -Agriculture Dept	Convergence with MGNREGA	Agro-forestry	1506000		105.00	105.00	105.00	105.00	105.00	525.00
DoLR-MoRD -Agriculture Dept	Convergence with MGNREGA	Dry land Horticulture	1541860		105.00	105.00	105.00	105.00	105.00	525.00
DoLR-MoRD -Social Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings		74.58	74.58	74.58	74.58	74.58	372.91
DoLR-MoRD -Social Forest	Convergence with MGNREGA	Soil & Moisture Conservation (cum)	5000		12.20	12.20	12.20	12.20	12.20	61.00

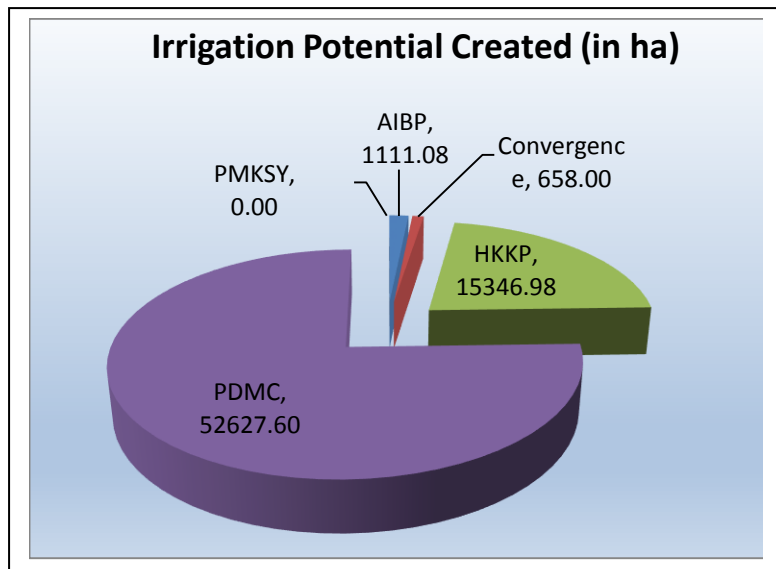
DoLR-MoRD -Territorial Forest	Convergence with MGNREGA	Soil & Moisture Conservation	11250		657.80	657.80	657.80	657.80	657.80	3289.00
DoLR-MoRD -Territorial Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation			875.57	875.57	875.57	875.57	875.57	4377.84
DoLR-MoRD- PRED- Tumakuru Division	Convergence with MGNREGA	Renovation of water bodies including desilting	39 No.'s ZP tanks 334.22 Mcft.	658	283.80	283.80	283.80	283.80	283.80	1419.00
MoWR - Hemavathy Canal Zone - Tumakuru	Har khet ko pani	R&R of Water Bodies	30	2871.13	445.40	445.40	445.40	445.40	445.40	2227
MoWR - Hemavathy Canal Zone - Tumakuru	Har khet ko pani	Micro - Irrigation	21	8562.35	8562.56	8562.56	8562.56	8562.56	8562.56	42812.82
MoWR - Minor Irrigation	Har khet ko pani	Fresh works Percolation Tank	1	67.5	30.00	30.00	30.00	30.00	30.00	150.00
DoLR-MoRD -Minor Irrigation	Har khet ko pani	Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	65	2241	996.00	996.00	996.00	996.00	996.00	4980.00
DoLR-MoRD -Minor Irrigation	Har khet ko pani	RRR of fresh works for Tanks	41	1605.00	428.00	428.00	428.00	428.00	428.00	2140.00

MoWR - R.W.S.&S Sub Division Gubbi	Har khet ko pani	Check Dam			106.00	106.00	106.00	106.00	106.00	530.00
MoWR - R.W.S.&S Sub Division Gubbi	Har khet ko pani	Check Dam & Jackwell including PWS			22.00	22.00	22.00	22.00	22.00	110.00
DoLR-MoRD-PRED-Tumakuru Division	Har khet ko pani	RRR of Water Bodies (Renovation of existing water bodies other than tanks)	449 Nos		481.00	481.00	481.00	481.00	481.00	2405.00
MOA &FW-DAC&FW - Horticulture Dept	Per drop more crop (Micro Irrigation)	DPAP Drip	34695	27755.60	943.69	943.69	943.69	943.69	943.69	4718.45
MOA &FW-DAC&FW - Sericulture Department	Per drop more crop (Micro Irrigation)	DPAP Drip		44.00	8.59	8.59	8.59	8.59	8.59	42.943
MOA &FW-DAC&FW - Agriculture Dept	Per drop more crop (Micro Irrigation)	Non -DPAP Sprinkler	36002	24828	311.35	311.35	311.35	311.35	311.34	1556.74
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Trench cum Bund(Ha)	18325		448.01	448.01	448.01	448.01	448.01	2240.03
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Farm pond	12477		550.87	550.87	550.87	550.87	550.87	2754.37

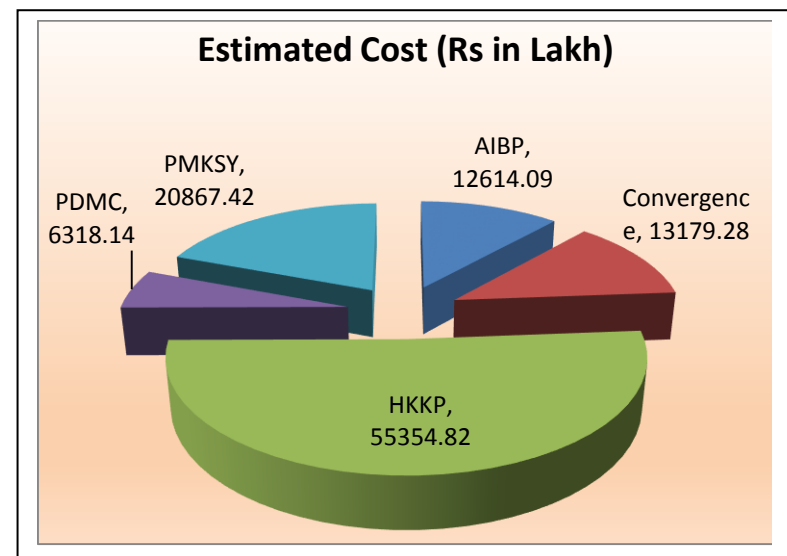
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Check Dam	181		181.00	181.00	181.00	181.00	181.00	905.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Nala Bund-I	287		287.00	287.00	287.00	287.00	287.00	1435.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Percolation Tank	61		61.00	61.00	61.00	61.00	61.00	305.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Nala Bund-II( Earthen Bund)	501		200.40	200.40	200.40	200.40	200.40	1002.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Gokatte	146		58.40	58.40	58.40	58.40	58.40	292.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Mini percolation Tank	916		274.80	274.80	274.80	274.80	274.80	1374.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Bore well Recharge Points	7000		613.20	613.20	613.20	613.20	613.20	3066.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Agro-forestry	1500000		150.00	150.00	150.00	150.00	150.00	750.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Dry land Horticulture	1500000		285.00	285.00	285.00	285.00	285.00	1425.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Diesel pumpset	3119		93.58	93.58	93.58	93.58	93.58	467.89
DoLR-MoRD -Agric Dept	PMKSY Watershed	Geomembrane	6238.5		214.44	214.44	214.44	214.44	214.44	1072.18

DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Slab/Clay - Cement mortar lining	6238.5		623.85	623.85	623.85	623.85	623.85	3119.25
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	EPA,ICT,M& E, livelihood	30542		131.94	131.94	131.94	131.94	131.94	659.71
<b>Total</b>					<b>69743.66</b>	<b>21666.75</b>	<b>21666.75</b>	<b>21666.75</b>	<b>21666.74</b>	<b>108333.74</b>

**Fig. 5.3: Irrigation Potential Created by Components-Gubbi Taluk**



**Fig. 5.4: Estimated Cost by Components-Gubbi Taluk**



**Table 5.3: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Koratagere Taluk**

Concerned Ministry/ Department	Component	Activity	Total Number/Capacity(cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
MoWR - Hemavathy Canal Zone - Tumakuru	AIBP	Improvements of Feeder Canal	2	25	833.33	833.33	833.33	0	0	2500
MoWR - Hemavathy Canal Zone - Tumakuru	AIBP	Construction of Pick-ups	1	-	16.67	16.67	16.67	0	0	50
MoWR - Minor Irrigation	AIBP	Minor Irrigation (Bridge cum Barrage)	7	800.00	304.00	304.00	304.00	304.00	304.00	1520.00
MoWR - Minor Irrigation	AIBP	Minor Irrigation Anicuts and Pickups / Check dams/LLC etc.,	97	3300.00	1306.00	1306.00	1306.00	1306.00	1306.00	6530.00
MoWR - Minor Irrigation	AIBP	Percolation Tank	6	190.00	0.00	0.00	0.00	400.00	0.00	400.00
MOWR- Yettinahole	AIBP	Drinking Water(Reservoir ) & MI Tank filling	2.547		27406.47	27406.47	27406.47	27406.47	27406.47	137032.35
DoLR-MoRD -Agriculture Dept	Convergence with MGNREGA	Trench cum Bund	1525.80		42.72	42.72	42.72	42.72	42.72	213.61

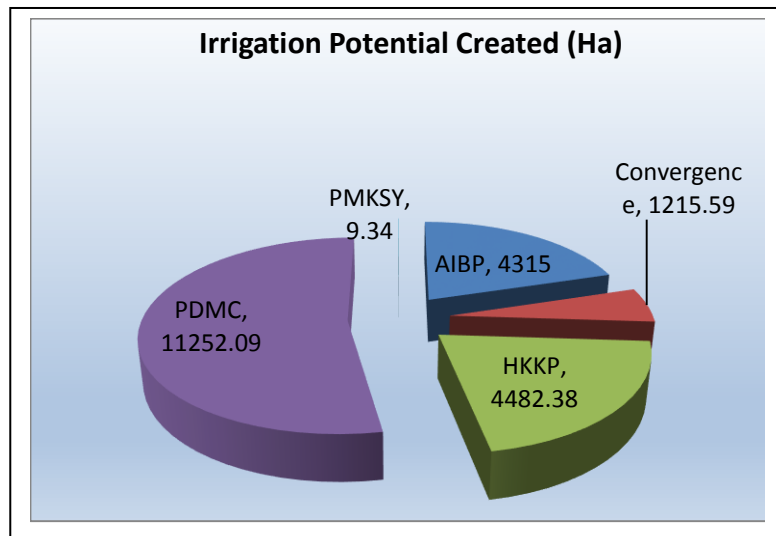
DoLR-MoRD -Agriculture Dept	Convergen ce with MGNREGA	Farm pond	1000		48.00	48.00	48.00	48.00	48.00	240.00
DoLR-MoRD -Agriculture Dept	Convergen ce with MGNREGA	Bore well Recharge Points	2000		292.00	292.00	292.00	292.00	292.00	1460.00
DoLR-MoRD -Agriculture Dept	Convergen ce with MGNREGA	Agro-forestry	156800		10.98	10.98	10.98	10.98	10.98	54.88
DoLR-MoRD -Agriculture Dept	Convergen ce with MGNREGA	Dry land Horticulture	86089		6.03	6.03	6.03	6.03	6.03	30.13
DoLR-MoRD -Social Forest	Convergen ce with MGNREGA	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings		74.58	74.58	74.58	74.58	74.58	372.91
DoLR-MoRD -Social Forest	Convergen ce with MGNREGA	Soil & Moisture Conservation (cum)	5000		12.20	12.20	12.20	12.20	12.20	61.00
DoLR-MoRD -Territorial Forest	Convergen ce with MGNREGA	Soil & Moisture Conservation	11250		657.80	657.80	657.80	657.80	657.80	3289.00
DoLR-MoRD -Territorial Forest	Convergen ce with MGNREGA	Raising , Maintenance of seedlings & Plantation			875.57	875.57	875.57	875.57	875.57	4377.84
DoLR-MoRD- PRED- Madhugiri Division	Convergen ce with MGNREGA	Renovation of water bodies including desilting	73 No. of Tanks/ 9993015.16 Cum.	1215.59	482.40	482.40	482.40	482.40	482.40	2412.00
MoWR -Minor Irrigation	Har khet ko pani	Minor Irrigation ( Feeder channel)	28	200.00	0.00	526.67	526.67	526.67	0.00	1580.00



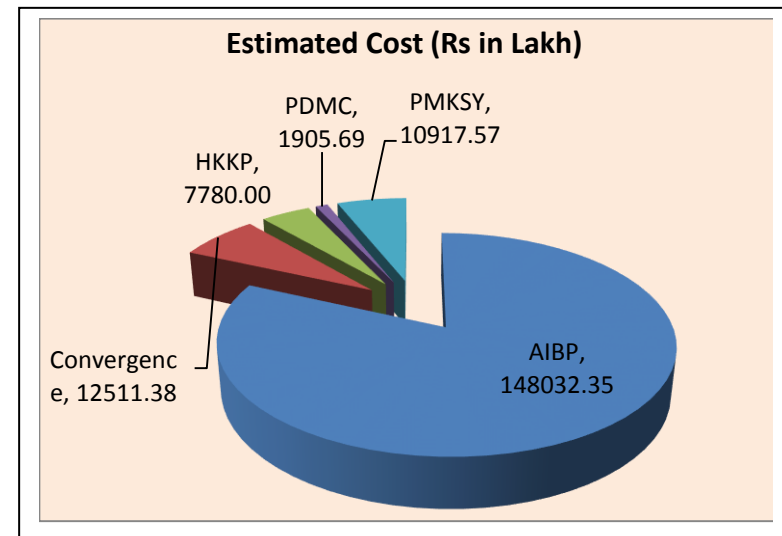
MoWR - Minor Irrigation	Har khet ko pani	Minor Irrigation ( R.R.R of Water bodies)	55	4282.38	1240.00	1240.00	1240.00	1240.00	1240.00	6200.00
MOA &FW-DAC&FW - Horticulture Dept	Per drop more crop (Micro Irrigation)	DPAP Drip	4975	3981.09	135.36	135.36	135.36	135.36	135.36	676.79
MOA &FW-DAC&FW - Sericulture Department	Per drop more crop (Micro Irrigation)	DPAP Drip		202.00	39.43	39.43	39.43	39.43	39.43	197.15
MOA &FW-DAC&FW - Agriculture Dept	Per drop more crop (Micro Irrigation)	Non -DPAP Sprinkler	12753	7069	206.35	206.35	206.35	206.35	206.35	1031.76
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Trench cum Bund(Ha)	9076		254.13	254.13	254.13	254.13	254.13	1270.64
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Farm pond	6990		335.52	335.52	335.52	335.52	335.52	1677.60
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Check Dam	90		90.00	90.00	90.00	90.00	90.00	450.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Nala Bund-I	95		95.00	95.00	95.00	95.00	95.00	475.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Percolation Tank	40		40.00	40.00	40.00	40.00	40.00	200.00
DoLR-MoRD -Agric Dept	PMKSY Watershed	Nala Bund-II ( Earthen Bund)	90		36.00	36.00	36.00	36.00	36.00	180.00

DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Gokatte	130		52.00	52.00	52.00	52.00	52.00	260.00	
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Mini percolation Tank	135		40.50	40.50	40.50	40.50	40.50	202.50	
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Bore well Recharge Points	2500		365.00	365.00	365.00	365.00	365.00	1825.00	
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Agro-forestry	156800		15.68	15.68	15.68	15.68	15.68	78.40	
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Dry land Horticulture	86089		16.36	16.36	16.36	16.36	16.36	81.79	
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Diesel pumpset	1960		58.80	58.80	58.80	58.80	58.80	294.00	
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Geomembrane	3920		134.74	134.74	134.74	134.74	134.74	673.71	
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Slab/Clay - Cement mortar lining	3920		392.00	392.00	392.00	392.00	392.00	1960.00	
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	EPA,ICT,M&E, livelihood	17543		75.79	75.79	75.79	75.79	75.79	378.93	
DoLR-MoRD- PRED- Madhugiri Division	PMKSY Watershed	check dams	77 Numbers/ 65450 Cum	9.34	182.00	182.00	182.00	182.00	182.00	910.00	
<b>Total</b>					<b>21274.40</b>	<b>36173.40</b>	<b>36700.06</b>	<b>36700.07</b>	<b>36250.06</b>	<b>35323.40</b>	<b>181146.99</b>

**Fig. 5.5: Irrigation Potential Created by Component-Koratagere**



**Fig. 5.6: Estimated Cost by components-Koratagere Taluk**



**Table 5.4: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Kunigal Taluk**

Concerned Ministry/ Department	Component	Activity	Total Number/Ca pacity(cum)	Command Area/Irrig ation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
MoWR - Hemavathy Canal Zone -Tumakuru	AIBP	Major -Irrigation & Medium Irrigation(Bridge cum Barrage)	36	2461.77	254.60	254.60	254.60	254.60	254.60	1273.00
MoWR - Hemavathy Canal Zone -Tumakuru	AIBP	Improvements of Feeder Canal	53	-	460.00	460.00	460.00	460.00	460.00	2300
MoWR - Hemavathy Canal Zone -Tumakuru	AIBP	Improvements to Pick-ups	76	-	626.40	626.40	626.40	626.40	626.40	3132
MoWR - Hemavathy Canal Zone -Tumakuru	AIBP	Improvements Small katte coming under Achkat	17	-	57.20	57.20	57.20	57.20	57.20	286
MoWR- CADA	AIBP	Pick up/Check Dam	21	252	60.80	60.80	60.80	60.80	60.80	304.00
MoWR- CADA	AIBP	Seepage Drain	_	460.00	2.00	2.00	2.00	2.00	2.00	10.00
MoWR- CADA	AIBP	Unlined Channels -Field Irrigation Channels	313965.10 Cum	13256.30	198.84	198.84	198.84	198.84	198.84	994.22
MoWR -Minor Irrigation	AIBP	Construction of Bridge cum Barage, Check Dams, Pick Ups	23	1336.5	594.00	594.00	594.00	594.00	594.00	2970.00

DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Trench cum Bund	110.40		3.09	3.09	3.09	3.09	3.09	15.46
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Farm pond	1000		48.00	48.00	48.00	48.00	48.00	240.00
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Bore well Recharge Points	800		116.80	116.80	116.80	116.80	116.80	584.00
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Agro-forestry	1029295		70.00	70.00	70.00	70.00	70.00	350.00
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Dry land Horticulture	1228851		84.00	84.00	84.00	84.00	84.00	420.00
DoLR-MoRD - Social Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings		74.58	74.58	74.58	74.58	74.58	372.91
DoLR-MoRD - Social Forest	Convergence with MGNREGA	Soil & Moisture Conservation (cum)	5000		12.20	12.20	12.20	12.20	12.20	61.00
DoLR-MoRD - Territorial Forest	Convergence with MGNREGA	Soil & Moisture Conservation	11250		657.80	657.80	657.80	657.80	657.80	3289.00
DoLR-MoRD - Territorial Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation			875.57	875.57	875.57	875.57	875.57	4377.84
DoLR-MoRD-PRED-Tumakuru Division	Convergence with MGNREGA	Renovation of water bodies including desilting	129No.'s ZP tanks 496.05 Mcft.	1420.38	1382.00	1382.00	1382.00	1382.00	1382.00	6910.00

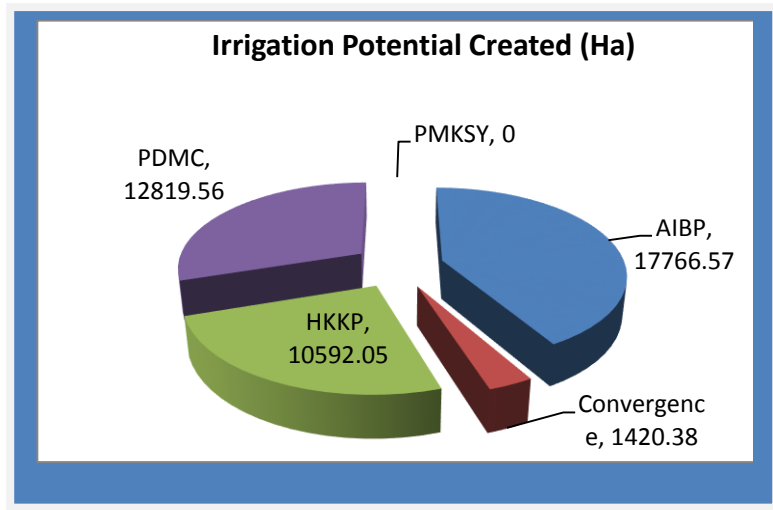
MoWR - Hemavathy Canal Zone -Tumakuru	Har khet ko pani	RRR of Water Bodies	21	3467.05	974.00	974.00	974.00	974.00	974.00	4870
MoWR - Hemavathy Canal Zone -Tumakuru	Har khet ko pani	MicroIrrigation	3	3975.00	3975.00	3975.00	3975.00	3975.00	3975.00	19875.00
MoWR -Minor Irrigation	Har khet ko pani	Fresh works Percolation Tank	4	162	72.00	72.00	72.00	72.00	72.00	360.00
MoWR -Minor Irrigation	Har khet ko pani	Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	37	400.5	178.00	178.00	178.00	178.00	178.00	890.00
MoWR -Minor Irrigation	Har khet ko pani	RRR of fresh works for Tanks	26	2587.50	708.00	708.00	708.00	708.00	708.00	3540.00
DoLR-MoRD-PRED-Tumakuru Division	Har khet ko pani	RRR of Water Bodies (Renovation of existing water bodies other than tanks	263 Nos.		751.80	751.80	751.80	751.80	751.80	3759.00
MOA &FW-DAC&FW - Horticulture Dept	Per drop more crop (Micro Irrigation)	DPAP Drip	9400	7521.56	255.73	255.73	255.73	255.73	255.73	1278.67
MOA &FW-DAC&FW - Sericulture Department	Per drop more crop (Micro Irrigation)	DPAP Drip		450.00	87.84	87.84	87.84	87.84	87.84	439.19
MOA &FW-DAC&FW - Agriculture Dept	Per drop more crop (Micro Irrigation)	Non -DPAP Sprinkler	18614	4848	241.19	241.19	241.19	241.19	241.19	1205.93

DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Trench cum Bund(Ha)	12481		349.47	349.47	349.47	349.47	349.47	1747.34
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Farm pond	7391		354.77	354.77	354.77	354.77	354.77	1773.84
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Check Dam	374		374.00	374.00	374.00	374.00	374.00	1870
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Nala Bund-I	239		239.00	239.00	239.00	239.00	239.00	1195
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Percolation Tank	60		60.00	60.00	60.00	60.00	60.00	300
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Nala Bund-II( Earthen Bund)	120		48.00	48.00	48.00	48.00	48.00	240.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Gokatte	385		154.00	154.00	154.00	154.00	154.00	770.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Mini percolation Tank	299		89.70	89.70	89.70	89.70	89.70	448.50
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Bore well Recharge Points	1454.00		212.28	212.28	212.28	212.28	212.28	1061.42
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Agro-forestry	1029295		104.98	104.98	104.98	104.98	104.98	524.90
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Dry land Horticulture	1228851		235.50	235.50	235.50	235.50	235.50	1177.51
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Diesel pumpset	2083		62.50	62.50	62.50	62.50	62.50	312.49
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Geomembrane	4166.5		143.22	143.22	143.22	143.22	143.22	716.08

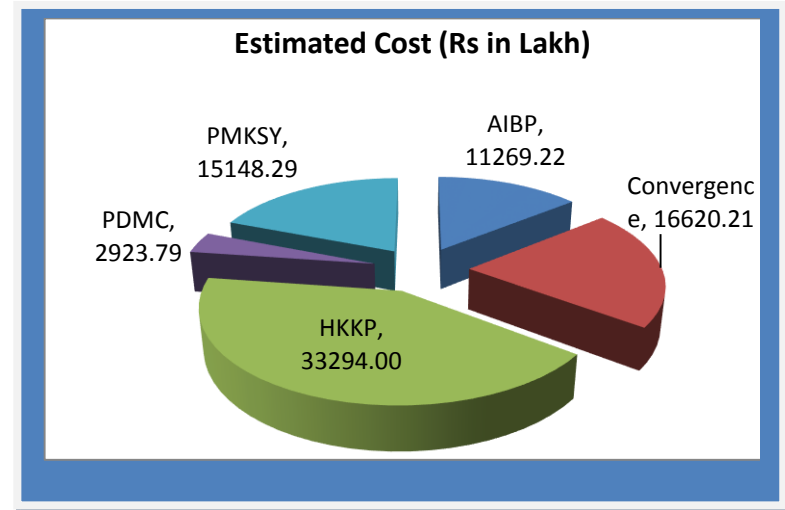
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Slab/Clay - Cement mortar lining	4166.5		416.65	416.65	416.65	416.65	416.65	2083.25
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	EPA,ICT,M&E, livelihood	20184		87.19	87.19	87.19	87.19	87.19	435.97
DoLR-MoRD-PRED-Tumakuru Division	PMKSY Watershed	Percolation Tanks	31 Nos.		98.40	98.40	98.40	98.40	98.40	492.00
<b>Total</b>					<b>42598.56</b>	<b>15851.10</b>	<b>15851.10</b>	<b>15851.10</b>	<b>15851.10</b>	<b>79255.50</b>



**Fig. 5.7: Irrigation Potential Created by Component-Kunigal**



**Fig.5.8: Estimated Cost by components-Kunigal Taluk**



**Table 5.5: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Madhugiri Taluk**

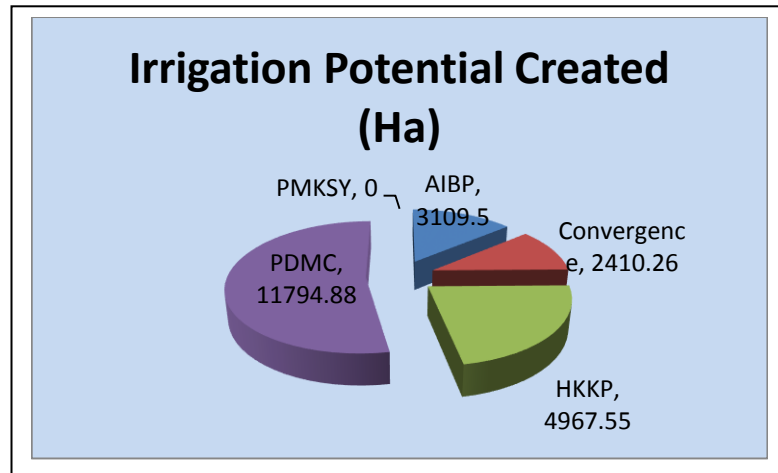
Concerned Ministry/ Department	Component	Activity	Total Number/Capacity(cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
MoWR -Minor Irrigation	AIBP	Construction of Bridge cum Barage, Check Dams, Pick Ups & Feeder Channels	41	3109.5	1382.00	1382.00	1382.00	1382.00	1382.00	6910.00
MoWR -Minor Irrigation	Har khet ko pani	Fresh works Percolation Tank	1	44.55	19.80	19.80	19.80	19.80	19.80	99.00
MoWR -Minor Irrigation	Har khet ko pani	Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	7	153	68.00	68.00	68.00	68.00	68.00	340.00
MoWR -Minor Irrigation	Har khet ko pani	RRR of fresh works for Tanks	56	4500.00	1200.00	1200.00	1200.00	1200.00	1200.00	6000.00
MoWR -Minor Irrigation	Har khet ko pani	RRR - Improvements to Feeder Channels	13	270	120.00	120.00	120.00	120.00	120.00	600
MOWR- Yettinahole	AIBP	Drinking Water(Reservoir) & MI Tank filling	0.843		9070.74	9070.74	9070.74	9070.74	9070.74	45353.70

MOWR-Town Panchayat	AIBP	Cholenahally & Siddapura Tanks - Deepening & fencing for Drinking water purpose	130 mcft		120.00	120.00	120.00	120.00	120.00	600.00
MOA &FW-DAC&FW - Horticulture Dept	Per drop more crop (Micro Irrigation)	DPAP Drip	3975	3178.88	173.57	173.57	173.57	173.57	173.57	867.87
MOA &FW-DAC&FW - Sericulture Department	Per drop more crop (Micro Irrigation)	DPAP Drip		417.00	81.40	81.40	81.40	81.40	81.40	406.98
MOA &FW-DAC&FW - Agriculture Dept	Per drop more crop (Micro Irrigation)	Non -DPAP Sprinkler	20216	8199	280.02	280.02	280.02	280.02	280.02	1400.09
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Trench cum Bund(Ha)	15660		438.48	438.48	438.48	438.48	438.48	2192.40
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Farm pond	5631		270.29	270.29	270.29	270.29	270.29	1351.44
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Check Dam	40		40.00	40.00	40.00	40.00	40.00	200.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Nala Bund-I	215		215.00	215.00	215.00	215.00	215.00	1075.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Percolation Tank	35		35.00	35.00	35.00	35.00	35.00	175.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Nala Bund-II( Earthen Bund)	128		51.20	51.20	51.20	51.20	51.20	256.00

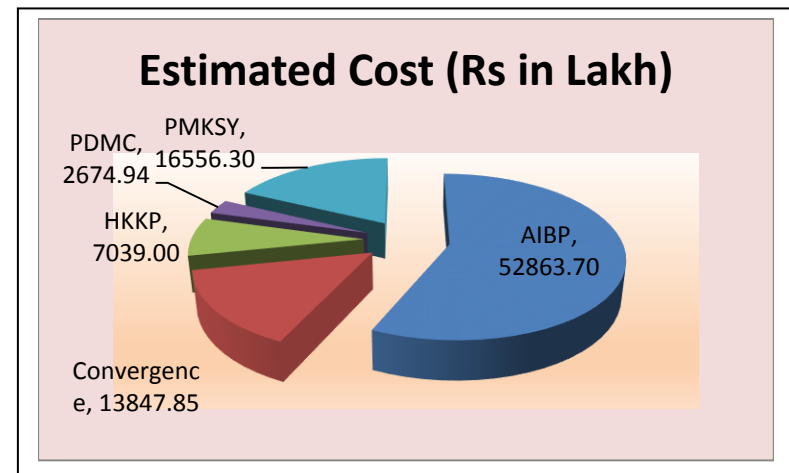
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Gokatte	156		62.40	62.40	62.40	62.40	62.40	312.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Mini percolation Tank	240		72.00	72.00	72.00	72.00	72.00	360.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Bore well Recharge Points	3048		445.07	445.07	445.07	445.07	445.07	2225.33
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Agro-forestry	284832		29.03	29.03	29.03	29.03	29.03	145.15
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Dry land Horticulture	144116		27.77	27.77	27.77	27.77	27.77	138.87
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Diesel pumpset	1607		48.20	48.20	48.20	48.20	48.20	240.98
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Geomembrane	3213		110.44	110.44	110.44	110.44	110.44	552.20
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Slab/Clay - Cement mortar lining	3213		321.30	321.30	321.30	321.30	321.30	1606.50
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	EPA,ICT,M &E, livelihood	28168		121.69	121.69	121.69	121.69	121.69	608.43
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Trench cum Bund	1900.80		53.22	53.22	53.22	53.22	53.22	266.11
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Farm pond	1000		48.00	48.00	48.00	48.00	48.00	240.00
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Bore well Recharge Points	1908		278.51	278.51	278.51	278.51	278.51	1392.55
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Agro-forestry	284832		19.39	19.39	19.39	19.39	19.39	96.96

DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Dry land Horticulture	144116		9.70	9.70	9.70	9.70	9.70	48.48
DoLR-MoRD - Social Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings		74.58	74.58	74.58	74.58	74.58	372.91
DoLR-MoRD - Social Forest	Convergence with MGNREGA	Soil & Moisture Conservation (cum)	5000		12.20	12.20	12.20	12.20	12.20	61.00
DoLR-MoRD - Territorial Forest	Convergence with MGNREGA	Soil & Moisture Conservation	11250		657.80	657.80	657.80	657.80	657.80	3289.00
DoLR-MoRD - Territorial Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation			875.57	875.57	875.57	875.57	875.57	4377.84
DoLR-MoRD-PRED-Madhugiri Division	PMKSY Watershed	Multi Arch Dam	32		88.00	88.00	88.00	88.00	88.00	440.00
DoLR-MoRD-PRED-Madhugiri Division	PMKSY Watershed	Gokatte Improvements	60		150.00	150.00	150.00	150.00	150.00	750.00
DoLR-MoRD-PRED-Madhugiri Division	PMKSY Watershed	Pick Ups	185		785.40	785.40	785.40	785.40	785.40	3927.00
DoLR-MoRD-PRED-Madhugiri Division	Convergence with MGNREGA	Tanks Improvements	145 No. of Tanks/ 32896785.0 4 Cum.	2410.26	740.60	740.60	740.60	740.60	740.60	3703.00
<b>Total</b>				<b>22282.19</b>	<b>18596.36</b>	<b>18596.36</b>	<b>18596.36</b>	<b>18596.36</b>	<b>18596.36</b>	<b>92981.79</b>

**Fig. 5.9: Irrigation Potential Created by Component-Madhugiri**



**Fig.5.10: Estimated Cost by components-Madhugiri Taluk**



**Table 5.6: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Pavagada Taluk**

Concerned Ministry/ Department	Component	Activity	Total Number/Capacity(cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
MoWR -Minor Irrigation	AIBP	Construction of Bridge cum Barrage, Check Dams, Pick Ups & Feeder Channels	15	452.25	201.00	201.00	201.00	201.00	201.00	1005.00
MoWR -UBP	AIBP	MI Tanks	20554926	0	4425.80	4425.80	4425.80	4425.80	4425.80	22129.00
MOWR-Yettinahole	AIBP	Drinking Water(Reservoir) & MI Tank filling	0.425		4573.18	4573.18	4573.18	4573.18	4573.18	22865.90
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Trench cum Bund	1224.40		34.28	34.28	34.28	34.28	34.28	171.42
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Farm pond	1000		48.00	48.00	48.00	48.00	48.00	240.00
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Bore well Recharge Points	640		93.44	93.44	93.44	93.44	93.44	467.20

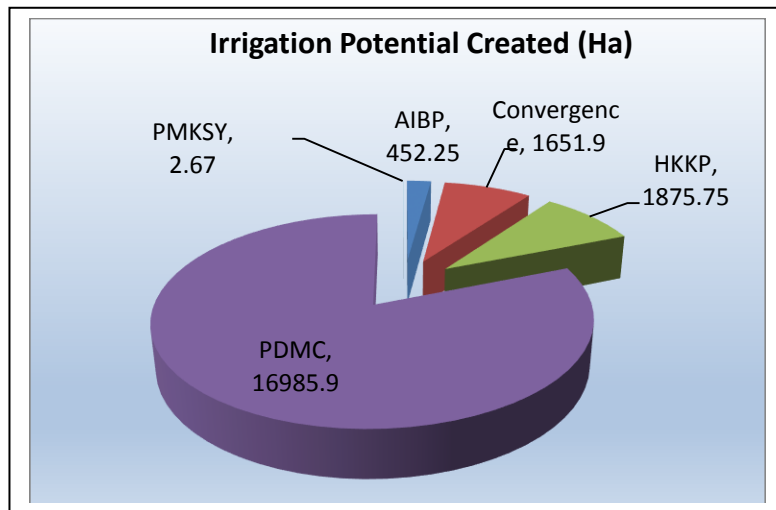
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Agro-forestry	200000		14.00	14.00	14.00	14.00	14.00	70.00
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Dry land Horticulture	150000		10.50	10.50	10.50	10.50	10.50	52.50
DoLR-MoRD - Social Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings		74.58	74.58	74.58	74.58	74.58	372.91
DoLR-MoRD - Social Forest	Convergence with MGNREGA	Soil & Moisture Conservation (cum)	5000		12.20	12.20	12.20	12.20	12.20	61.00
DoLR-MoRD - Territorial Forest	Convergence with MGNREGA	Soil & Moisture Conservation	11250		657.80	657.80	657.80	657.80	657.80	3289.00
DoLR-MoRD - Territorial Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation			875.57	875.57	875.57	875.57	875.57	4377.84
DoLR-MoRD-PRED-Madhugiri Division	Convergence with MGNREGA	Renovation of water bodies including desilting	93 No. of Tanks/ 59182209. 37 Cum.	1651.9	629.80	629.80	629.80	629.80	629.80	3149.00
DoLR-MoRD - Minor Irrigation	Har khet ko pani	Fresh Works-Anicuts, Pick Ups, Check Dams, LLC etc	7	288	128.00	128.00	128.00	128.00	128.00	640.00



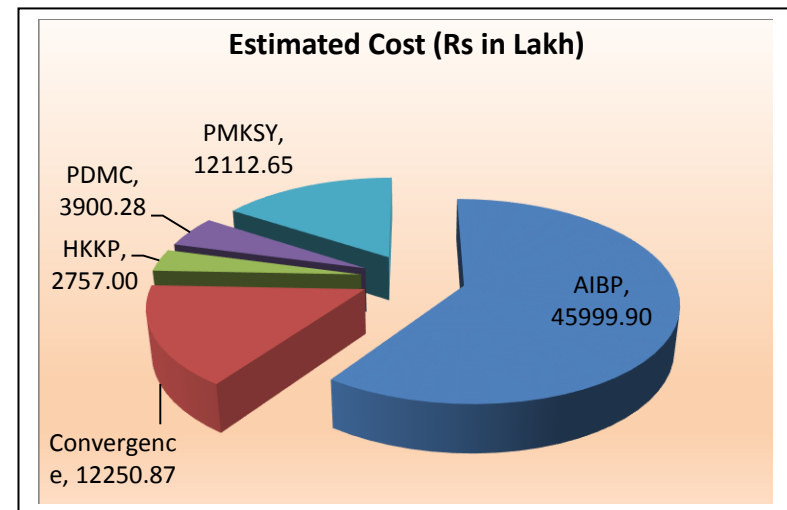
DoLR-MoRD - Minor Irrigation	Har khet ko pani	RRR of fresh works for Tanks	36	1587.75	423.40	423.40	423.40	423.40	423.40	2117.00
MOA &FW- DAC&FW - Horticulture Dept	Per drop more crop (Micro Irrigation)	DPAP Drip	10870	8697.90	521.87	521.87	521.87	521.87	521.87	2609.37
MOA &FW- DAC&FW - Sericulture Department	Per drop more crop (Micro Irrigation)	DPAP Drip		519.00	101.31	101.31	101.31	101.31	101.31	506.53
MOA &FW- DAC&FW - Agriculture Dept	Per drop more crop (Micro Irrigation)	Non -DPAP Sprinkler	13812	7769	156.88	156.88	156.88	156.88	156.88	784.38
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Trench cum Bund(Ha)	28813.4		806.77	806.77	806.77	806.77	806.77	4033.87
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Farm pond	6400		307.20	307.20	307.20	307.20	307.20	1536.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Check Dam	90.00		90.00	90.00	90.00	90.00	90.00	450.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Nala Bund-I	25		25.00	25.00	25.00	25.00	25.00	125.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Percolation Tank	30		30.00	30.00	30.00	30.00	30.00	150.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Nala Bund-II( Earthen Bund)	150		60.00	60.00	60.00	60.00	60.00	300.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Gokatte	50		20.00	20.00	20.00	20.00	20.00	100.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Mini percolation Tank	200		60.00	60.00	60.00	60.00	60.00	300.00

DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Bore well Recharge Points	960.00		140.16	140.16	140.16	140.16	140.16	700.80
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Agro-forestry	200000		20.00	20.00	20.00	20.00	20.00	100.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Dry land Horticulture	150000		28.50	28.50	28.50	28.50	28.50	142.50
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Diesel pumpset	1850		55.50	55.50	55.50	55.50	55.50	277.50
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Geomembrane	3700		127.18	127.18	127.18	127.18	127.18	635.90
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Slab/Clay - Cement mortar lining	3700		370.00	370.00	370.00	370.00	370.00	1850.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	EPA,ICT,M &E, livelihood	30374		131.22	131.22	131.22	131.22	131.22	656.08
DoLR-MoRD-PRED-Madhugiri Division	PMKSY Watershed	check dams	22 Numbers/ 18700 Cum	2.67	151.00	151.00	151.00	151.00	151.00	755.00
<b>Total</b>					<b>20968.47</b>	<b>15404.14</b>	<b>15404.14</b>	<b>15404.14</b>	<b>15404.14</b>	<b>77020.70</b>

**Fig. 5.11: Irrigation Potential Created by Component-Pavagada**



**Fig. 5.12: Estimated Cost by components-Pavagada Taluk**



**Table 5.7: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Sira Taluk**

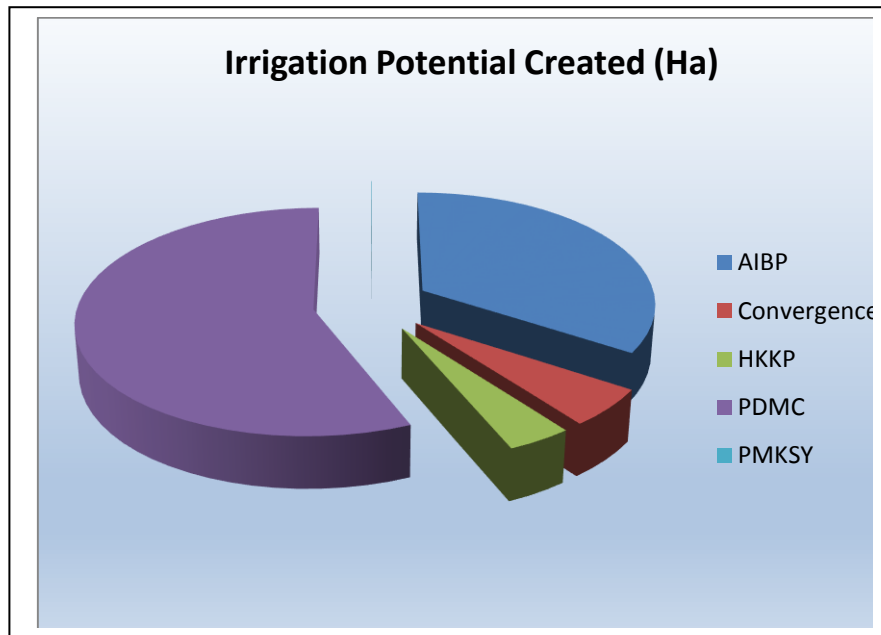
Concerned Ministry/ Department	Component	Activity	Total Number/Capacity (cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
MoWR -Minor Irrigation	AIBP	Construction of Bridge cum Barrage, Check Dams, Pick Ups & Feeder Channels, Percolation Tank	66	387	1724.00	1724.00	1724.00	1724.00	1724.00	8620.00
MoWR -UBP	AIBP	Major Irrigation	45923202	14558	16000.00	16000.00	16000.00	16000.00	16000.00	80000.00
MoWR -UBP	AIBP	MI Tanks	30879106.23	0	240.00	240.00	240.00	240.00	240.00	1200.00
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Trench cum Bund	2853.00		79.88	79.88	79.88	79.88	79.88	399.42
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Farm pond	1000		48.00	48.00	48.00	48.00	48.00	240.00
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Bore well Recharge Points	3659		534.24	534.24	534.24	534.24	534.24	2671.22
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Agro-forestry	2116410		148.15	148.15	148.15	148.15	148.15	740.74

DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Dry land Horticulture	2116410		148.15	148.15	148.15	148.15	148.15	740.74
DoLR-MoRD - Social Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings		74.58	74.58	74.58	74.58	74.58	372.91
DoLR-MoRD - Social Forest	Convergence with MGNREGA	Soil & Moisture Conservation (cum)	5000		12.20	12.20	12.20	12.20	12.20	61.00
DoLR-MoRD - Territorial Forest	Convergence with MGNREGA	Soil & Moisture Conservation	11250		822.25	822.25	822.25	822.25	822.25	4111.25
DoLR-MoRD - Territorial Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation			1094.46	1094.46	1094.46	1094.46	1094.46	5472.30
DoLR-MoRD-PRED-Madhugiri Division	Convergence with MGNREGA	Renovation of water bodies including desilting	117 No. of Tanks/ 28457298. 15 Cum.	2391.55	778.00	778.00	778.00	778.00	778.00	3890.00
MoWR -Minor Irrigation	Har khet ko pani	Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	12	375.75	167.00	167.00	167.00	167.00	167.00	835.00
MoWR -Minor Irrigation	Har khet ko pani	RRR of fresh works for Tanks	36	1376.25	367.00	367.00	367.00	367.00	367.00	1835.00
MOA &FW-DAC&FW - Horticulture Dept	Per drop more crop (Micro Irrigation)	DPAP Drip	10550	8438.26	405.04	405.04	405.04	405.04	405.04	2025.18

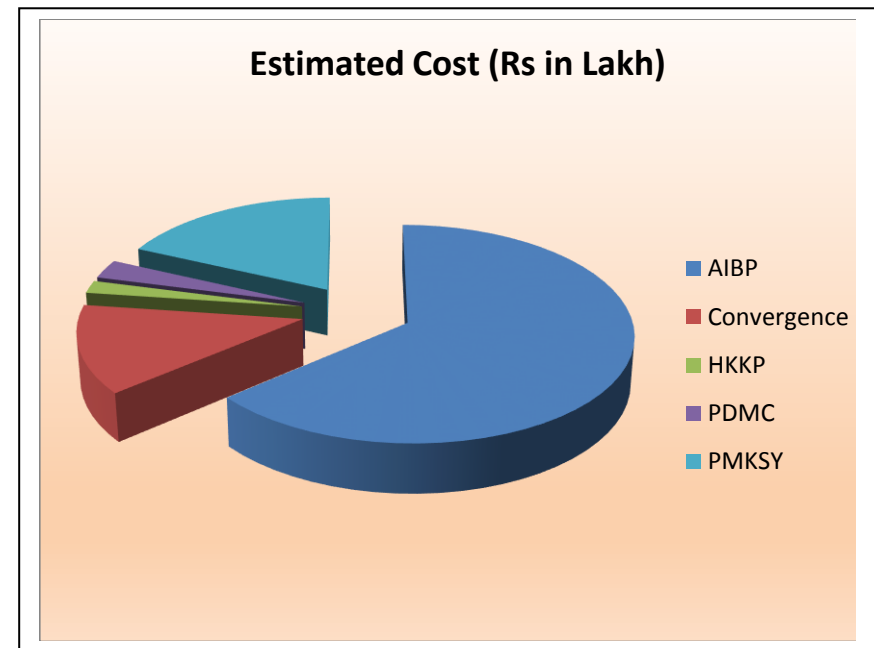
MOA &FW-DAC&FW - Sericulture Department	Per drop more crop (Micro Irrigation)	DPAP Drip		309.00	60.32	60.32	60.32	60.32	60.32	301.58
MOA &FW-DAC&FW - Agriculture Dept	Per drop more crop (Micro Irrigation)	Non -DPAP Sprinkler	23893	15967	337.60	337.60	337.60	337.60	337.60	1688.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Trench cum Bund(Ha)	39475.2		1105.31	1105.31	1105.31	1105.31	1105.31	5526.53
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Farm pond	9088		436.22	436.22	436.22	436.22	436.22	2181.12
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Check Dam	85		85.00	85.00	85.00	85.00	85.00	425.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Nala Bund-I	35		35.00	35.00	35.00	35.00	35.00	175.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Percolation Tank	50		50.00	50.00	50.00	50.00	50.00	250.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Nala Bund-II( Earthen Bund)	20		8.00	8.00	8.00	8.00	8.00	40.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Gokatte	100		40.00	40.00	40.00	40.00	40.00	200.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Mini percolation Tank	150		45.00	45.00	45.00	45.00	45.00	225.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Bore well Recharge Points	5489.00		801.36	801.36	801.36	801.36	801.36	4006.82
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Agro-forestry	2116410		211.64	211.64	211.64	211.64	211.64	1058.21
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Dry land Horticulture	2116410		402.12	402.12	402.12	402.12	402.12	2010.59

DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Diesel pumpset	2522		75.66	75.66	75.66	75.66	75.66	378.30
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Geomembrane	5044		173.38	173.38	173.38	173.38	173.38	866.89
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Slab/Clay - Cement mortar lining	5044		504.40	504.40	504.40	504.40	504.40	2522.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	EPA,ICT,M&E, livelihood	44755		193.34	193.34	193.34	193.34	193.34	966.71
DoLR-MoRD-PRED-Madhugiri Division	PMKSY Watershed	check dams	125 Numbers/ 106250 Cum	15.17	933.20	933.20	933.20	933.20	933.20	4666.00
<b>Total</b>					<b>43817.98</b>	<b>28140.50</b>	<b>28140.50</b>	<b>28140.50</b>	<b>28140.50</b>	<b>140702.51</b>

**Fig. 5.13: Irrigation Potential Created by Component-Sira Taluk**



**Fig. 5.14: Estimated Cost by components-Sira Taluk**





**Table 5.8: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Tiptur Taluk**

Concerned Ministry/ Department	Component	Activity	Total Number/ Capacity( cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
MoWR - Hemavathy Canal Zone - Tumakuru	AIBP	Improvements of Feeder Canal	10	-	0.00	55.00	55.00	55.00	0.00	165.00
MoWR - Hemavathy Canal Zone - Tumakuru	AIBP	Construction of Pick-ups	10	-	113.33	113.33	113.33	0.00	0.00	340
MoWR - Hemavathy Canal Zone - Tumakuru	AIBP	Bridge cum Barrage	5	87.41	0.00	153.33	153.33	153.33	0.00	460
MoWR - Hemavathy Canal Zone - Tumakuru	AIBP	Improvements Small katte coming under Achkat	20	-	0.00	115.00	115.00	115.00	0.00	345
MoWR-CADA	AIBP	Pick up/Check Dam	40	480	192.20	192.20	192.20	192.20	192.20	961.00
MoWR-CADA	AIBP	Seepage Drain	-	920.00	12.00	12.00	12.00	12.00	12.00	60.00
MoWR-CADA	AIBP	Unlined Channels - Field Irrigation Channels	5000.00 Cum	207.85	3.12	3.12	3.12	3.12	3.12	15.59
MoWR -Minor Irrigation	AIBP	Check Dams	28	607.5	270.00	270.00	270.00	270.00	270.00	1350.00

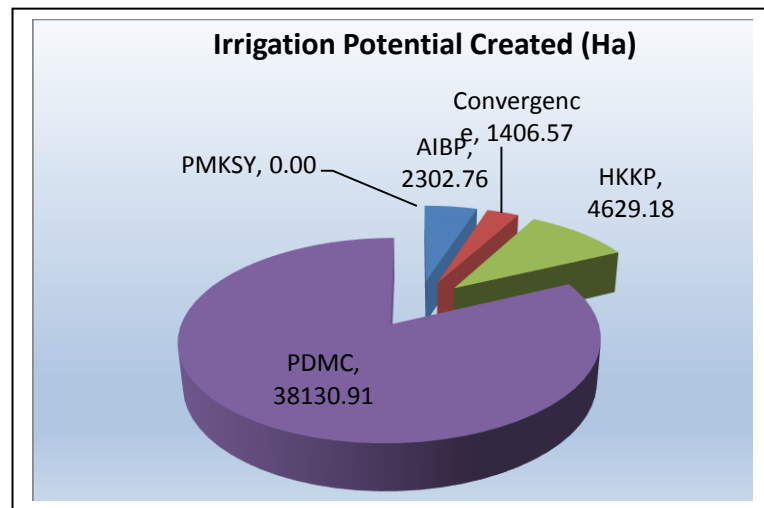
MOWR- Yettinahole	AIBP	Drinking Water(Reservo ir) & MI Tank filling	0.301		3238.65	3238.65	3238.65	3238.65	3238.65	16193.27
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Trench cum Bund	884.60		24.77	24.77	24.77	24.77	24.77	123.84
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Farm pond	1000		48.00	48.00	48.00	48.00	48.00	240.00
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Bore well Recharge Points	862		125.91	125.91	125.91	125.91	125.91	629.55
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Agro-forestry	1275750		89.30	89.30	89.30	89.30	89.30	446.51
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Dry land Horticulture	975150		68.26	68.26	68.26	68.26	68.26	341.30
DoLR-MoRD - Social Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs sedlings		74.58	74.58	74.58	74.58	74.58	372.91
DoLR-MoRD - Social Forest	Convergence with MGNREGA	Soil & Moisture Conservation (cum)	5000		12.20	12.20	12.20	12.20	12.20	61.00
DoLR-MoRD - Territorial Forest	Convergence with MGNREGA	Soil & Moisture Conservation	11250		657.80	657.80	657.80	657.80	657.80	3289.00

DoLR-MoRD - Territorial Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation			875.57	875.57	875.57	875.57	875.57	4377.84
DoLR-MoRD- PRED- Tumakuru Division	Convergence with MGNREGA	Renovation of water bodies including desilting	122No.'s ZP tanks 453.26 Mct	1406.57	1492.40	1492.40	1492.40	1492.40	1492.40	7462.00
MoWR -Minor Irrigation	Har khet ko pani	Fresh works Percolation Tank	3	67.5	30.00	30.00	30.00	30.00	30.00	150.00
MoWR -Minor Irrigation	Har khet ko pani	Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	84	495	220.00	220.00	220.00	220.00	220.00	1100.00
DoLR-MoRD - Minor Irrigation	Har khet ko pani	RRR of fresh works for Tanks	21	900.00	240.00	240.00	240.00	240.00	240.00	1200.00
DoLR-MoRD- PRED- Tumakuru Division	Har khet ko pani	RRR of Water Bodies (Renovation of existing water bodies other than tanks	352 Nos		188.00	188.00	188.00	188.00	188.00	940.00
MoWR - Hemavathy Canal Zone - Tumakuru	Har Kheth Ko Pani	Micro - Irrigation	13	2267.61	2267.61	2267.61	2267.61	2267.61	2267.61	11338.04
MoWR - Hemavathy Canal Zone - Tumakuru	Har Kheth Ko Pani	R&R of Water Bodies	8	899.07	43.00	43.00	43.00	43.00	43.00	215

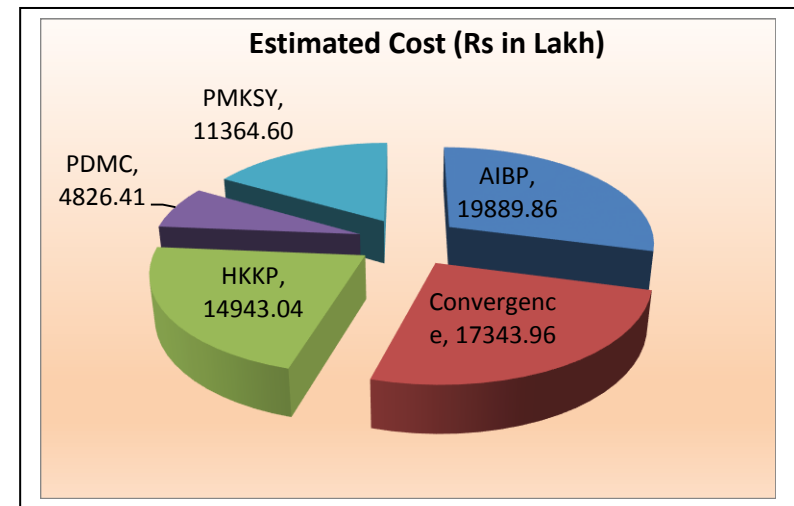
MOA &FW-DAC&FW - Horticulture Dept	Per drop more crop (Micro Irrigation)	DPAP Drip	23495	18794.91	639.03	639.03	639.03	639.03	639.03	3195.13
MOA &FW-DAC&FW - Sericulture Department	Per drop more crop (Micro Irrigation)	DPAP Drip		58.00	11.32	11.32	11.32	11.32	11.32	56.61
MOA &FW-DAC&FW - Agriculture Dept	Per drop more crop (Micro Irrigation)	Non -DPAP Sprinkler	23377	19278	314.93	314.93	314.93	314.94	314.94	1574.67
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Trench cum Bund(Ha)	16114.64		451.21	451.21	451.21	451.21	451.21	2256.06
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Farm pond	8469		406.51	406.51	406.51	406.51	406.51	2032.56
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Check Dam	26		26.00	26.00	26.00	26.00	26.00	130.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Nala Bund-I	25		25.00	25.00	25.00	25.00	25.00	125.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Percolation Tank	18		18.00	18.00	18.00	18.00	18.00	90.00
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Nala Bund-II( Earthen Bund)	36		14.40	14.40	14.40	14.40	14.40	72.00
DoLR-MoRD - Agri. Dept	PMKSY Watershed	Gokatte	76		30.40	30.40	30.40	30.40	30.40	152.00

DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Mini percolation Tank	47		14.10	14.10	14.10	14.10	14.10	70.50	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Bore well Recharge Points	1294.00		188.87	188.87	188.87	188.87	188.87	944.33	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Agro-forestry	1275750		127.58	127.58	127.58	127.58	127.58	637.88	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Dry land Horticulture	975150		185.28	185.28	185.28	185.28	185.28	926.40	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Diesel pumpset	2367		71.02	71.02	71.02	71.02	71.02	355.09	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Geo-membrane	4734.5		162.74	162.74	162.74	162.74	162.74	813.69	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Slab/Clay - Cement mortar lining	4734.5		473.45	473.45	473.45	473.45	473.45	2367.25	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	EPA,ICT,M&E, livelihood	18141		78.37	78.37	78.37	78.37	78.37	391.85	
<b>Total</b>					<b>46469.42</b>	<b>13524.90</b>	<b>13848.24</b>	<b>13848.24</b>	<b>13734.91</b>	<b>13411.58</b>	<b>68367.88</b>

**Fig. 5.15: Irrigation Potential Created by Component-Tiptur Taluk**



**Fig: 5.16: Estimated Cost by components-Tiptur Taluk**



**Table 5.9: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Tumakuru Taluk**

Concerned Ministry/ Department	Component	Activity	Total Number/Capacity(cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
MoWR - Hemavathy Canal Zone -Tumakuru	AIBP	Improvements of Feeder Canal	10	23.5	0.00	816.67	816.67	816.67	0.00	2450
MoWR- CADA	AIBP	Pick up/Check Dam	6	78	11.60	11.60	11.60	11.60	11.60	58.00
MoWR- CADA	AIBP	Unlined Channels -Field Irrigation Channels	3566.00Cum	150.56	2.26	2.26	2.26	2.26	2.26	11.29
MOWR- Yettinahole	AIBP	Drinking Water(Reservoir ) & MI Tank filling	0.022		236.35	236.35	236.35	236.35	236.35	1181.77
MoWR -Minor Irrigation	AIBP	Construction of Bridge cum Barage, Check Dams, Pick Ups & Feeder Channels & New Tanks	12	1035	460.00	460.00	460.00	460.00	460.00	2300.00
MoWR - K.I.A.D.B	AIBP	Mydala Amanikere			5000.00	5000.00	5000.00	5000.00	5000.00	25000.00
MoWR - K.I.A.D.B	AIBP	Devarayapatana kere			1000.00	1000.00	1000.00	1000.00	1000.00	5000.00

MoWR - K.I.A.D.B	AIBP	Yalladadlu kere			1000.00	1000.00	1000.00	1000.00	1000.00	5000.00
MoWR - K.I.A.D.B	AIBP	Nelahal kere			5000.00	5000.00	5000.00	5000.00	5000.00	25000.00
MOWR-City Corporation Tumakuru	AIBP	Works such as chainlink fencing, Disilting, bund improvement and hydraulic structures works to be taken up	17	9035.00	800.00	800.00	800.00	800.00	800.00	4000.00
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Trench cum Bund	27.60		0.77	0.77	0.77	0.77	0.77	3.86
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Farm pond	1000		48.00	48.00	48.00	48.00	48.00	240.00
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Bore well Recharge Points	66		9.64	9.64	9.64	9.64	9.64	48.18
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Agro-forestry	60000		4.20	4.20	4.20	4.20	4.20	21.00
DoLR-MoRD - Agriculture Dept	Convergence with MGNREGA	Dry land Horticulture	27000		1.89	1.89	1.89	1.89	1.89	9.45

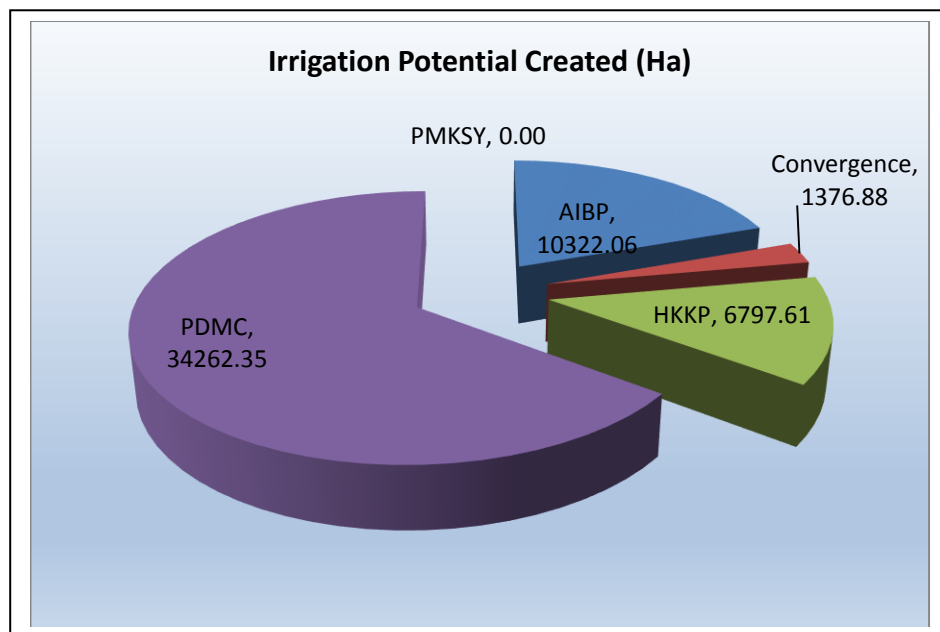


DoLR-MoRD - Social Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings		74.58	74.58	74.58	74.58	74.58	372.91
DoLR-MoRD - Social Forest	Convergence with MGNREGA	Soil & Moisture Conservation (cum)	5000		12.20	12.20	12.20	12.20	12.20	61.00
DoLR-MoRD - Territorial Forest	Convergence with MGNREGA	Soil & Moisture Conservation	11250		657.80	657.80	657.80	657.80	657.80	3289.00
DoLR-MoRD - Territorial Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation			875.57	875.57	875.57	875.57	875.57	4377.84
DoLR-MoRD-PRED-Tumakuru Division	Convergence with MGNREGA	Renovation of water bodies including desilting	123 No.'s ZP tanks 515.32 Mcft.	1376.88	654.80	654.80	654.80	654.80	654.80	3274.00
MoWR - Hemavathy Canal Zone -Tumakuru	Har khet ko pani	R&R of Water Bodies	1	41.5	30.00	30.00	30.00	30.00	30.00	150
MoWR - Hemavathy Canal Zone -Tumakuru	Har khet ko pani	Micro - Irrigation	6	1529.36	1529.36	1529.36	1529.36	1529.36	1529.36	7646.78
MoWR -Minor Irrigation	Har khet ko pani	Fresh works Percolation Tank	4	315	140.00	140.00	140.00	140.00	140.00	700.00
MoWR -Minor Irrigation	Har khet ko pani	Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	18	634.5	282.00	282.00	282.00	282.00	282.00	1410.00

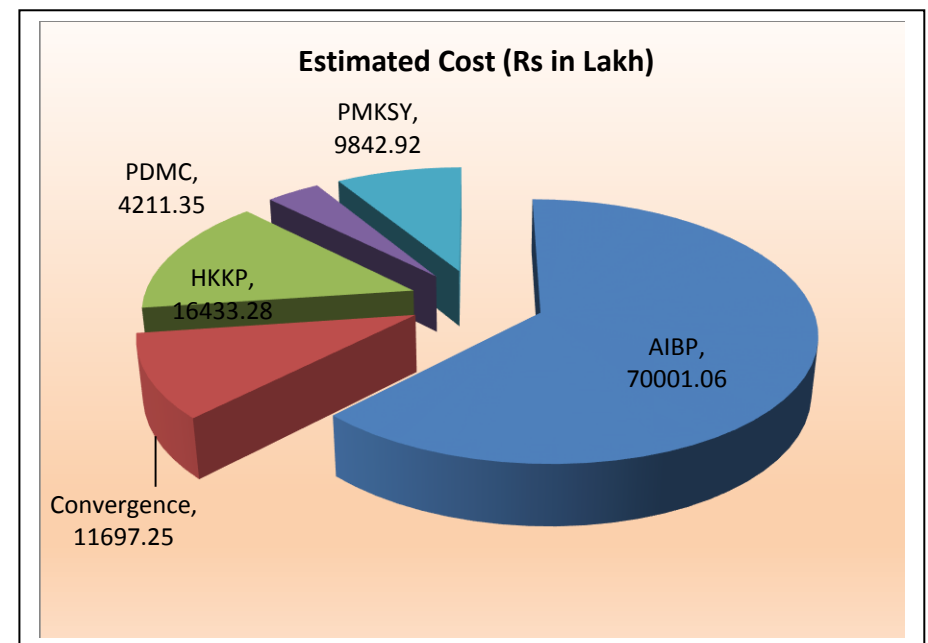
MoWR -Minor Irrigation	Har khet ko pani	RRR of fresh works for Tanks	49	3768.75	1005.00	1005.00	1005.00	1005.00	1005.00	5025.00
MoWR -Minor Irrigation	Har khet ko pani	RRR - Improvements to Feeder Channels	7	508.5	226.00	226.00	226.00	226.00	226.00	1130
DoLR-MoRD-PRED-Tumakuru Division	Har khet ko pani	RRR of Water Bodies (Renovation of existing water bodies other than tanks)	35 Nos		74.30	74.30	74.30	74.30	74.30	371.50
MOA &FW-DAC&FW - Horticulture Dept	Per drop more crop (Micro Irrigation)	DPAP Drip	19375	15500.35	527.01	527.01	527.01	527.01	527.01	2635.06
MOA &FW-DAC&FW - Sericulture Department	Per drop more crop (Micr Irrig)	DPAP Drip		94.00	18.35	18.35	18.35	18.35	18.35	91.74
MOA &FW-DAC&FW - Agriculture Dept	Per drop more crop (Micro Irri)	Non -DPAP Sprinkler	30303	18668	296.91	296.91	296.91	296.91	296.91	1484.55
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Trench cum Bund(Ha)	11296		316.30	316.30	316.30	316.30	316.30	1581.49
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Farm pond	12089		580.27	580.27	580.27	580.27	580.27	2901.36
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Check Dam	39		39.00	39.00	39.00	39.00	39.00	195.00

DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Nala Bund-I	11		11.00	11.00	11.00	11.00	11.00	55.00	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Percolation Tank	5		5.00	5.00	5.00	5.00	5.00	25.00	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Nala Bund-II( Earthen Bund)	0		0.00	0.00	0.00	0.00	0.00	0.00	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Gokatte	25		10.00	10.00	10.00	10.00	10.00	50.00	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Mini perco. Tank	5		1.50	1.50	1.50	1.50	1.50	7.50	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Bore well Recharge Points	99.00		14.45	14.45	14.45	14.45	14.45	72.27	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Agro-forestry	60000		6.00	6.00	6.00	6.00	6.00	30.00	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Dry land Horticulture	27000		5.13	5.13	5.13	5.13	5.13	25.65	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Diesel pumpset	3272		98.17	98.17	98.17	98.17	98.17	490.84	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Geomembrane	6544.5		224.95	224.95	224.95	224.95	224.95	1124.77	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	Slab/Clay - Cement mortor lining	6544.5		654.45	654.45	654.45	654.45	654.45	3272.25	
DoLR-MoRD - Agriculture Dept	PMKSY Watershed	EPA,ICT,M&E, livelihood	546		2.36	2.36	2.36	2.36	2.36	11.79	
<b>Total</b>					<b>52758.90</b>	<b>21947.17</b>	<b>22763.84</b>	<b>22763.84</b>	<b>22763.84</b>	<b>21947.17</b>	<b>112185.85</b>

**Fig. 5.17: Irrigation Potential Created by Component- Tumakuru Taluk**



**Fig. 5.18: Estimated Cost by components-Tumakuru Taluk**



**Table 5.10: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Turuvekere Taluk**

Concerned Ministry/ Department	Component	Activity	Total Number/Capacity (cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
MoWR - Hemavathy Canal Zone - Tumakuru	AIBP	Improvements of Feeder Canal	2	-	0.00	37.50	37.50	37.50	37.50	150
MoWR - Hemavathy Canal Zone - Tumakuru	AIBP	Construction of Pick-ups	224	-	0.00	1828.50	1828.50	1828.50	1828.50	7314
MoWR - Hemavathy Canal Zone - Tumakuru	AIBP	Bridge cum Barrage	4	36.42	0.00	862.50	862.50	862.50	862.50	3450
MoWR - Hemavathy Canal Zone - Tumakuru	AIBP	Improvements Small katte coming under Achkat	26	-	0.00	141.25	141.25	141.25	141.25	565
MoWR - Minor Irrigation	AIBP	Construction of Check Dams & Protective works	4	7425	3300.00	3300.00	3300.00	3300.00	3300.00	16500.00
MoWR-CADA	AIBP	Pick up/Check Dam	20	220	87.60	87.60	87.60	87.60	87.60	438.00
MoWR-CADA	AIBP	Unlined Channels -Field Irrigation Channels	131500.00 Cum	5547.68	83.21	83.21	83.21	83.21	83.21	416.07

DoLR-MoRD -Agriculture Dept	Convergence with MGNREGA	Trench cum Bund	214.00		5.99	5.99	5.99	5.99	5.99	29.96
DoLR-MoRD -Agriculture Dept	Convergence with MGNREGA	Farm pond	1000		48.00	48.00	48.00	48.00	48.00	240.00
DoLR-MoRD -Agriculture Dept	Convergence with MGNREGA	Bore well Recharge Points	2600		379.60	379.60	379.60	379.60	379.60	1898.00
DoLR-MoRD -Agriculture Dept	Convergence with MGNREGA	Agro-forestry	1068361		70.00	70.00	70.00	70.00	70.00	350.00
DoLR-MoRD -Agriculture Dept	Convergence with MGNREGA	Dry land Horticulture	1622100		112.00	112.00	112.00	112.00	112.00	560.00
DoLR-MoRD -Social Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs sedlings		74.58	74.58	74.58	74.58	74.58	372.91
DoLR-MoRD -Social Forest	Convergence with MGNREGA	Soil & Moisture Conservation (cum)	5000		12.20	12.20	12.20	12.20	12.20	61.00
DoLR-MoRD -Territorial Forest	Convergence with MGNREGA	Soil & Moisture Conservation	11250		328.90	328.90	328.90	328.90	328.90	1644.50
DoLR-MoRD -Territorial Forest	Convergence with MGNREGA	Raising , Maintenance of seedlings & Plantation			437.78	437.78	437.78	437.78	437.78	2188.92

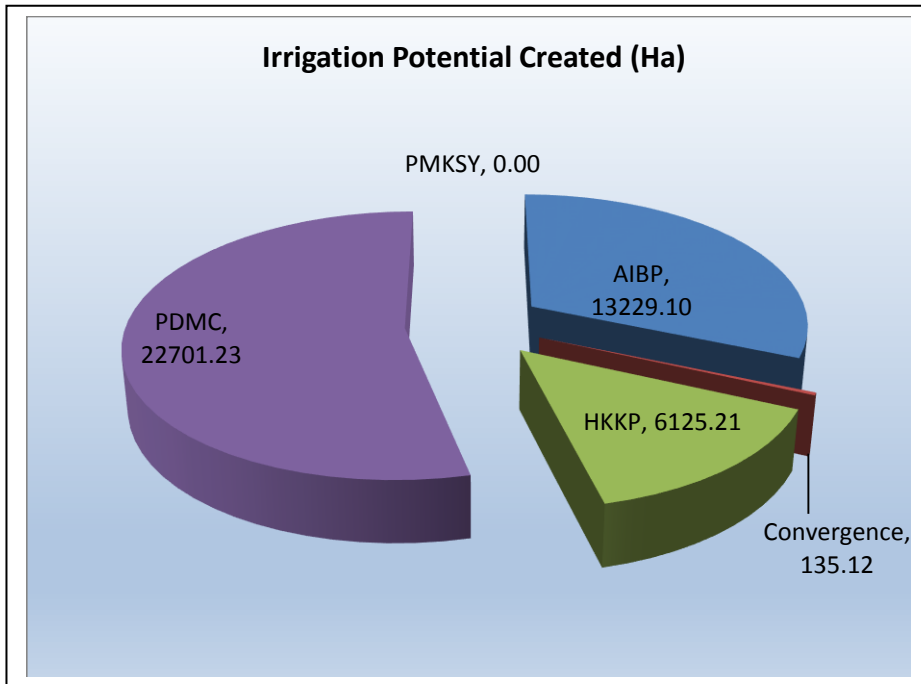
DoLR-MoRD-PRED-Tumakuru Division	Convergence with MGNREGA	Renovation of water bodies including desilting	13 No.'s ZP tanks 94.92 Mcft.	135.12	147.00	147.00	147.00	147.00	147.00	735.00
MoWR - Minor Irrigation	Har khet ko pani	Fresh Works-Anicuts, Pick Ups, Check Dams, LLC etc	6	459	204.00	204.00	204.00	204.00	204.00	1020.00
MoWR - Minor Irrigation	Har khet ko pani	RRR of fresh works for Tanks	3	375.00	100.00	100.00	100.00	100.00	100.00	500.00
DoLR-MoRD-PRED-Tumakuru Division	Har khet ko pani	RRR of Water Bodies (Renovation of existing water bodies other than tanks)	64 Nos.		215.00	215.00	215.00	215.00	215.00	1075.00
MoWR - Hemavathy Canal Zone - Tumakuru	Har Kheth Ko Pani	Micro - Irrigation	16	4249.92	12330.23	12330.23	12330.23	12330.23	12330.23	61651.13
MoWR - Hemavathy Canal Zone - Tumakuru	Har Kheth Ko Pani	R&R of Water Bodies	33	1041.29	831.00	831.00	831.00	831.00	831.00	4155
MOA &FW-DAC&FW - Horticulture Dept	Per drop more crop (Micro Irrigation)	DPAP Drip	25730	20586.23	699.93	699.93	699.93	699.93	699.93	3499.66
MOA &FW-DAC&FW - Sericulture Dept	Per drop more crop (Micro Irrigation)	DPAP Drip		74.00	14.44	14.44	14.44	14.44	14.44	72.22

MOA &FW-DAC&FW - Agriculture Dept	Per drop more crop (Micro Irrigation)	Non -DPAP Sprinkler	22995	2041	102.20	102.20	102.20	102.20	102.20	511.01
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Trench cum Bund(Ha)	12725		356.30	356.30	356.30	356.30	356.30	1781.50
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Farm pond	8177		392.50	392.50	392.50	392.50	392.50	1962.48
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Check Dam	336		336.00	336.00	336.00	336.00	336.00	1680.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Nala Bund-I	91		91.00	91.00	91.00	91.00	91.00	455.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Percolation Tank	35		35.00	35.00	35.00	35.00	35.00	175.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Nala Bund-II( Earthen Bund)	45		18.00	18.00	18.00	18.00	18.00	90.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Gokatte	64		25.60	25.60	25.60	25.60	25.60	128.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Mini percolation Tank	120		36.00	36.00	36.00	36.00	36.00	180.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Bore well Recharge Points	4014		586.04	586.04	586.04	586.04	586.04	2930.22

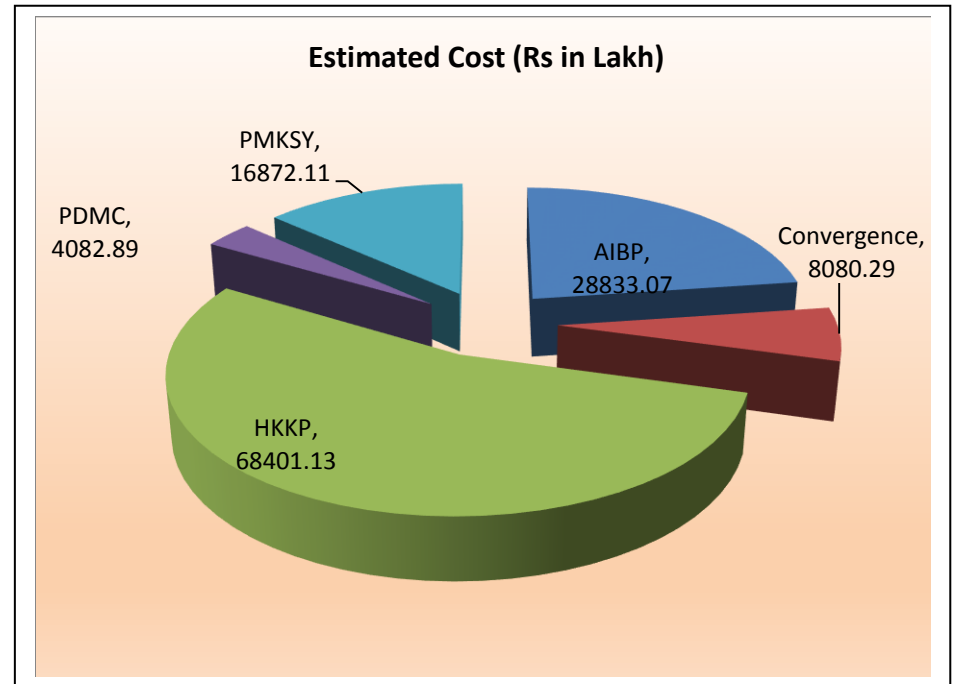


DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Agro-forestry	1068361		111.62	111.62	111.62	111.62	111.62	558.11
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Dry land Horticulture	1622100		309.75	309.75	309.75	309.75	309.75	1548.73
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Diesel pumpset	2253		67.59	67.59	67.59	67.59	67.59	337.95
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Geomembrane	4506		154.88	154.88	154.88	154.88	154.88	774.42
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	Slab/Clay - Cement mortar lining	4506		450.60	450.60	450.60	450.60	450.60	2253.00
DoLR-MoRD -Agriculture Dept	PMKSY Watershed	EPA,ICT,M&E, livelihood	21190		91.54	91.54	91.54	91.54	91.54	457.70
DoLR-MoRD- PRED- Tumakuru Div	PMKSY Watershed	Percolation Tanks	100 Nos.		312.00	312.00	312.00	312.00	312.00	1560.00
<b>Total</b>					<b>42190.66</b>	<b>22958.10</b>	<b>25827.85</b>	<b>25827.85</b>	<b>25827.85</b>	<b>126269.50</b>

**Fig. 5.19: Irrigation Potential Created by Component- Turuvekere Taluk**



**Fig. 5.20: Estimated Cost by components-Turuvekere Taluk**



**Table 5.11: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Activities under AIBP**

Name of the Block	Concerned Ministry/ Department	Activity	Total Number/Capacity (cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
Chikkanayakana Hally	MoWR - Minor Irrigation	Construction of Bridge cum Barrage, Check Dams, Pick Ups	16	886.05	393.80	393.80	393.80	393.80	393.80	1969.00
Chikkanayakana Hally	MoWR -UBP	Major Irrigation	1.5E+07	4657	5095.00	5095.00	5095.00	5095.00	5095.00	25475.00
Chikkanayakana Hally	MoWR -UBP	MI Tanks	4E+07	0	130.00	130.00	130.00	130.00	130.00	650.00
Chikkanayakana Hally	MOWR-Yettinahole	Drinking Water(Reservoir) & MI Tank filling	0.347		3733.78	3733.78	3733.78	3733.78	3733.78	18668.91
Gubbi	MoWR - Hemavathy Canal Zone - Tumakuru	Improvements of Feeder Canal	25	58.3	770.80	770.80	770.80	770.80	770.80	3854.00
Gubbi	MoWR - Hemavathy Canal Zone	Construction of Pick-ups	33	-	205.20	205.20	205.20	205.20	205.20	1026.00
Gubbi	MoWR-CADA	Pick up/Check Dam	12	132	58.20	58.20	58.20	58.20	58.20	291.00
Gubbi	MoWR-CADA	Seepage Drain	-	230	3.00	3.00	3.00	3.00	3.00	15.00
Gubbi	MoWR-CADA	Unlined Channels -Field Irrigation Channels	7908.90 Cum	333.93	5.01	5.01	5.01	5.01	5.01	25.04
Gubbi	MOWR-Yettinahole	Drinking Water(Reservoir) & MI Tank filling	0.108		1162.01	1162.01	1162.01	1162.01	1162.01	5810.05

Gubbi	MoWR - Town Panchayat	Heruru Tank developemnt for drimnking water purpose	1		160.00	160.00	160.00	160.00	160.00	800.00
Gubbi	MoWR - Minor Irrigation	Construction of Bridge cum Barage, Check Dams, Pick Ups	11	356.85	158.60	158.60	158.60	158.60	158.60	793.00
Koratagere	MoWR - Hemavathy Canal Zone - Tumakuru	Improvements of Feeder Canal	2	25	833.33	833.33	833.33	0.00	0.00	2500.00
Koratagere	MoWR - Hemavathy Canal Zone - Tumakuru	Construction of Pick-ups	1	-	16.67	16.67	16.67	0.00	0.00	50.00
Koratagere	MoWR - Minor Irrigation	Minor Irrigation (Bridge cum Barrage)	7	800	304.00	304.00	304.00	304.00	304.00	1520.00
Koratagere	MoWR - Minor Irrigation	Minor Irrigation Anicuts and Pickups / Check dams/LLC etc.,	97	3300	1306.00	1306.00	1306.00	1306.00	1306.00	6530.00
Koratagere	MoWR - Minor Irrigation	Percolation Tank	6	190	0.00	0.00	0.00	400.00	0.00	400.00
Koratagere	MoWR - Yettinahole	Drinking Water(Reservoir) & MI Tank filling	2.547		27406.47	27406.47	27406.47	27406.47	27406.47	137032.35
Kunigal	MoWR - Hemavathy Canal Zone - Tumakuru	Major -Irrigation & Medium Irrigation(Bridge cum Barrage)	36	2461.77	254.60	254.60	254.60	254.60	254.60	1273.00

Kunigal	MoWR - Hemavathy Canal Zone - Tumakuru	Improvements of Feeder Canal	53	-	460.00	460.00	460.00	460.00	460.00	2300.00
Kunigal	MoWR - Hemavathy Canal Zone - Tumakuru	Improvements to Pick-ups	76	-	626.40	626.40	626.40	626.40	626.40	3132.00
Kunigal	MoWR - Hemavathy Canal Zone - Tumakuru	Improvements Small katte coming under Achkat	17	-	57.20	57.20	57.20	57.20	57.20	286.00
Kunigal	MoWR-CADA	Pick up/Check Dam	21	252	60.80	60.80	60.80	60.80	60.80	304.00
Kunigal	MoWR-CADA	Seepage Drain	-	460	2.00	2.00	2.00	2.00	2.00	10.00
Kunigal	MoWR-CADA	Unlined Channels -Field Irrigation Channels	313965.10 Cum	13256.3	198.84	198.84	198.84	198.84	198.84	994.22
Kunigal	MoWR - Minor Irrigation	Construction of Bridge cum Barage, Check Dams, Pick Ups	23	1336.5	594.00	594.00	594.00	594.00	594.00	2970.00
Madhugiri	MoWR - Minor Irrigation	Construction of Bridge cum Barage, Check Dams, Pick Ups & Feeder Channels	41	3109.5	1382.00	1382.00	1382.00	1382.00	1382.00	6910.00
Madhugiri	MOWR-Yettinahole	Drinking Water(Reservoir) & MI Tank filling	0.843		9070.74	9070.74	9070.74	9070.74	9070.74	45353.70

Madhugiri	MOWR-Town Panchayat	Cholenahally & Siddapura Tanks - Deepening & fencing for Drinking water purpose	130 mcft		120.00	120.00	120.00	120.00	120.00	600.00
Pavagada	MoWR - Minor Irrigation	Construction of Bridge cum Barage, Check Dams, Pick Ups & Feeder Channels	15	452.25	201.00	201.00	201.00	201.00	201.00	1005.00
Pavagada	MoWR -UBP	MI Tanks	2.1E+07	0	4425.80	4425.80	4425.80	4425.80	4425.80	22129.00
Pavagada	MOWR-Yettinahole	Drinking Water(Reservoir) & MI Tank filling	0.425		4573.18	4573.18	4573.18	4573.18	4573.18	22865.90
Sira	MoWR - Minor Irrigation	Construction of Bridge cum Barage, Check Dams, Pick Ups & Feeder Channels, Percolation Tank	66	387	1724.00	1724.00	1724.00	1724.00	1724.00	8620.00
Sira	MoWR -UBP	Major Irrigation	45923202	14558	16000.00	16000.00	16000.00	16000.00	16000.00	80000.00
Sira	MoWR -UBP	MI Tanks	30879106	0	240.00	240.00	240.00	240.00	240.00	1200.00
Tiptur	MoWR - Hemavathy Canal Zone - Tumakuru	Improvements of Feeder Canal	10	-	0.00	55.00	55.00	55.00	0.00	165.00
Tiptur	MoWR - Hemavathy Canal Zone -Tumakuru	Construction of Pick-ups	10	-	113.33	113.33	113.33	0.00	0.00	340.00

Tiptur	MoWR - Hemavathy Canal Zone - Tumakuru	Bridge cum Barrage	5	87.41	0.00	153.33	153.33	153.33	0.00	460.00
Tiptur	MoWR - Hemavathy Canal Zone - Tumakuru	Improvements Small katte coming under Achkat	20	-	0.00	115.00	115.00	115.00	0.00	345.00
Tiptur	MoWR-CADA	Pick up/Check Dam	40	480	192.20	192.20	192.20	192.20	192.20	961.00
Tiptur	MoWR-CADA	Seepage Drain	-	920	12.00	12.00	12.00	12.00	12.00	60.00
Tiptur	MoWR-CADA	Unlined Channels -Field Irrigation Channels	5000.00Cum	207.85	3.12	3.12	3.12	3.12	3.12	15.59
Tiptur	MoWR - Minor Irrigation	Check Dams	28	607.5	270.00	270.00	270.00	270.00	270.00	1350.00
Tiptur	MOWR-Yettinahole	Drinking Water(Reservoir) & MI Tank filling	0.301		3238.65	3238.65	3238.65	3238.65	3238.65	16193.27
Tumakuru	MoWR - Hemavathy Canal Zone -	Improvements of Feeder Canal	10	23.5	0.00	816.67	816.67	816.67	0.00	2450.00
Tumakuru	MoWR-CADA	Pick up/Check Dam	6	78	11.60	11.60	11.60	11.60	11.60	58.00
Tumakuru	MoWR-CADA	Unlined Channels -Field Irrigation Channels	3566.00Cum	150.56	2.26	2.26	2.26	2.26	2.26	11.29
Tumakuru	MOWR-Yettinahole	Drinking Water(Reservoir) & MI Tank filling	0.022		236.35	236.35	236.35	236.35	236.35	1181.77

Tumakuru	MoWR - Minor Irrigation	Construction of Bridge cum Barage, Check Dams, Pick Ups & Feeder Channels & New Tanks	12	1035	460.00	460.00	460.00	460.00	460.00	2300.00
Tumakuru	MoWR - K.I.A.D.B	Mydala Amanikere		5000.00	5000.00	5000.00	5000.00	5000.00	5000.00	25000.00
Tumakuru	MoWR - K.I.A.D.B	Devarayapatana kere	1000.00	1000.00	1000.00	1000.00	1000.00	5000.00		
Tumakuru	MoWR - K.I.A.D.B	Yalladadlu kere		1000.00	1000.00	1000.00	1000.00	1000.00	1000.00	5000.00
Tumakuru	MoWR - K.I.A.D.B	Nelahal kere		5000.00	5000.00	5000.00	5000.00	5000.00	5000.00	25000.00
Tumakuru	MoWR-City Corporation Tumakuru	Works such as chainlink fencing, Disilting, bund improvement and hydraulic structures works to be taken up	17	9035	800.00	800.00	800.00	800.00	800.00	4000.00
Turvekere	MoWR - Hemavathy Canal Zone	Improvements of Feeder Canal	2	-	0.00	37.50	37.50	37.50	37.50	150.00
Turvekere	MoWR - Hemavathy Canal Zone	Construction of Pick-ups	224	-	0.00	1828.50	1828.50	1828.50	1828.50	7314.00
Turvekere	MoWR - Hemavathy Canal Zone	Bridge cum Barrage	4	36.42	0.00	862.50	862.50	862.50	862.50	3450.00



Turvekere	MoWR - Hemavathy Canal Zone - Tumakuru	Improvements Small katte coming under Achkat	26	-	0.00	141.25	141.25	141.25	141.25	565.00	
Turvekere	MoWR - Minor Irrigation	Construction of Check Dams & Protective works	4	7425	3300.00	3300.00	3300.00	3300.00	3300.00	16500.00	
Turuvekere	MoWR-CADA	Pick up/Check Dam	20	220	87.60	87.60	87.60	87.60	87.60	438.00	
Turuvekere	MoWR-CADA	Unlined Channels -Field Irrigation Channels	131500.00 Cum	5547.68	83.21	83.21	83.21	83.21	83.21	416.07	
<b>Total</b>					<b>73096.37</b>	<b>102542.76</b>	<b>106552.51</b>	<b>106552.52</b>	<b>105989.18</b>	<b>104449.18</b>	<b>526086.15</b>

**Table 5.12: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Activities under Convergence with MGNREGA**

Name of the Block	Concerned Ministry/ Department	Activity	Total Number/ Capacity (cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
Chikkanayakana Hally	DoLR-MoRD - Agriculture Dept	Trench cum Bund	1088.40	0.00	30.48	30.48	30.48	30.48	30.48	152.38
Chikkanayakana Hally	DoLR-MoRD - Agriculture Dept	Farm pond	1000	0.00	48.00	48.00	48.00	48.00	48.00	240.00
Chikkanayakana Hally	DoLR-MoRD - Agriculture Dept	Bore well Recharge Points	560	0.00	81.76	81.76	81.76	81.76	81.76	408.80
Chikkanayakana Hally	DoLR-MoRD - Agriculture Dept	Agro-forestry	454100	0.00	31.79	31.79	31.79	31.79	31.79	158.94
Chikkanayakana Hally	DoLR-MoRD - Agriculture Dept	Dry land Horticulture	181640	0.00	12.71	12.71	12.71	12.71	12.71	63.57
Chikkanayakana Hally	DoLR-MoRD - Social Forest	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings	0.00	74.58	74.58	74.58	74.58	74.58	372.91
Chikkanayakana Hally	DoLR-MoRD - Social Forest	Soil & Moisture Conservation (cum)	5000	0.00	12.20	12.20	12.20	12.20	12.20	61.00
Chikkanayakana Hally	DoLR-MoRD - Territorial Forest	Soil & Moisture Conservation	11250	0.00	822.25	822.25	822.25	822.25	822.25	4111.25

Chikkanayakana Hally	DoLR-MoRD - Territorial Forest	Raising , Maintenance of seedlings & Plantation		0.00	1094.46	1094.46	1094.46	1094.46	1094.46	5472.30
Chikkanayakana Hally	DoLR-MoRD-PRED-Madhugiri Division	Renovation of water bodies including desilting	117 No. of Tanks/ 21582250.96 Cum.	1753.31	627.00	627.00	627.00	627.00	627.00	3135.00
Gubbi	DoLR-MoRD - Agriculture Dept	Trench cum Bund	2325.2	0.00	65.11	65.11	65.11	65.11	65.11	325.53
Gubbi	DoLR-MoRD - Agriculture Dept	Farm pond	1000	0.00	48.00	48.00	48.00	48.00	48.00	240.00
Gubbi	DoLR-MoRD - Agriculture Dept	Bore well Recharge Points	2800	0.00	408.80	408.80	408.80	408.80	408.80	2044.00
Gubbi	DoLR-MoRD - Agriculture Dept	Agro-forestry	1506000	0.00	105.00	105.00	105.00	105.00	105.00	525.00
Gubbi	DoLR-MoRD - Agriculture Dept	Dry land Horticulture	1541860	0.00	105.00	105.00	105.00	105.00	105.00	525.00
Gubbi	DoLR-MoRD - Social Forest	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings	0.00	74.58	74.58	74.58	74.58	74.58	372.91
Gubbi	DoLR-MoRD - Social Forest	Soil & Moisture Conservation (cum)	5000	0.00	12.20	12.20	12.20	12.20	12.20	61.00
Gubbi	DoLR-MoRD - Territorial Forest	Soil & Moisture Conservation	11250	0.00	657.80	657.80	657.80	657.80	657.80	3289.00

Gubbi	DoLR-MoRD - Territorial Forest	Raising , Maintenance of seedlings & Plantation	0.00		875.57	875.57	875.57	875.57	875.57	4377.84
Gubbi	DoLR-MoRD-PRED-Tumakuru Division	Renovation of water bodies including desilting	39 No.'s ZP tanks 334.22 Mcft.	658	283.80	283.80	283.80	283.80	283.80	1419.00
Koratagere	DoLR-MoRD - Agriculture Dept	Trench cum Bund	1525.8	0.00	42.72	42.72	42.72	42.72	42.72	213.61
Koratagere	DoLR-MoRD - Agriculture Dept	Farm pond	1000	0.00	48.00	48.00	48.00	48.00	48.00	240.00
Koratagere	DoLR-MoRD - Agriculture Dept	Bore well Recharge Points	2000	0.00	292.00	292.00	292.00	292.00	292.00	1460.00
Koratagere	DoLR-MoRD - Agriculture Dept	Agro-forestry	156800	0.00	10.98	10.98	10.98	10.98	10.98	54.88
Koratagere	DoLR-MoRD - Agriculture Dept	Dry land Horticulture	86089	0.00	6.03	6.03	6.03	6.03	6.03	30.13
Koratagere	DoLR-MoRD - Social Forest	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings	0.00	74.58	74.58	74.58	74.58	74.58	372.91
Koratagere	DoLR-MoRD - Social Forest	Soil & Moisture Conservation (cum)	5000	0.00	12.20	12.20	12.20	12.20	12.20	61.00
Koratagere	DoLR-MoRD - Territorial Forest	Soil & Moisture Conservation	11250	0.00	657.80	657.80	657.80	657.80	657.80	3289.00

Koratagere	DoLR-MoRD - Territorial Forest	Raising , Maintenance of seedlings & Plantation	0.00		875.57	875.57	875.57	875.57	875.57	4377.84
Koratagere	DoLR-MoRD-PRED-Madhugiri Division	Renovation of water bodies including desilting	73 No. of Tanks/ 9993015.16 Cum.	1215.59	482.40	482.40	482.40	482.40	482.40	2412.00
Kunigal	DoLR-MoRD - Agriculture Dept	Trench cum Bund	110.4	0.00	3.09	3.09	3.09	3.09	3.09	15.46
Kunigal	DoLR-MoRD - Agriculture Dept	Farm pond	1000	0.00	48.00	48.00	48.00	48.00	48.00	240.00
Kunigal	DoLR-MoRD - Agriculture Dept	Bore well Recharge Points	800	0.00	116.80	116.80	116.80	116.80	116.80	584.00
Kunigal	DoLR-MoRD - Agriculture Dept	Agro-forestry	1029295	0.00	70.00	70.00	70.00	70.00	70.00	350.00
Kunigal	DoLR-MoRD - Agriculture Dept	Dry land Horticulture	1228851	0.00	84.00	84.00	84.00	84.00	84.00	420.00
Kunigal	DoLR-MoRD - Social Forest	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings	0.00	74.58	74.58	74.58	74.58	74.58	372.91
Kunigal	DoLR-MoRD - Social Forest	Soil & Moisture Conservation (cum)	5000	0.00	12.20	12.20	12.20	12.20	12.20	61.00
Kunigal	DoLR-MoRD - Territorial Forest	Soil & Moisture Conservation	11250	0.00	657.80	657.80	657.80	657.80	657.80	3289.00

Kunigal	DoLR-MoRD - Territorial Forest	Raising , Maintenance of seedlings & Plantation	0.00		875.57	875.57	875.57	875.57	875.57	4377.84
Kunigal	DoLR-MoRD-PRED-Tumakuru Division	Renovation of water bodies including desilting	129No.'s ZP tanks 496.05 Mcft.	1420.38	1382.00	1382.00	1382.00	1382.00	1382.00	6910.00
Madhugiri	DoLR-MoRD - Agriculture Dept	Trench cum Bund	1900.8	0.00	53.22	53.22	53.22	53.22	53.22	266.11
Madhugiri	DoLR-MoRD - Agriculture Dept	Farm pond	1000	0.00	48.00	48.00	48.00	48.00	48.00	240.00
Madhugiri	DoLR-MoRD - Agriculture Dept	Bore well Recharge Points	1907.6	0.00	278.51	278.51	278.51	278.51	278.51	1392.55
Madhugiri	DoLR-MoRD - Agriculture Dept	Agro-forestry	284832	0.00	19.39	19.39	19.39	19.39	19.39	96.96
Madhugiri	DoLR-MoRD - Agriculture Dept	Dry land Horticulture	144116	0.00	9.70	9.70	9.70	9.70	9.70	48.48
Madhugiri	DoLR-MoRD - Social Forest	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings	0.00	74.58	74.58	74.58	74.58	74.58	372.91
Madhugiri	DoLR-MoRD - Social Forest	Soil & Moisture Conservation (cum)	5000	0.00	12.20	12.20	12.20	12.20	12.20	61.00
Madhugiri	DoLR-MoRD - Territorial Forest	Soil & Moisture Conservation	11250	0.00	657.80	657.80	657.80	657.80	657.80	3289.00

Madhugiri	DoLR-MoRD - Territorial Forest	Raising , Maintenance of seedlings & Plantation	0.00		875.57	875.57	875.57	875.57	875.57	4377.84
Madhugiri	DoLR-MoRD-PRED-Madhugiri Division	Tanks Improvements	145 No. of Tanks/ 32896785.04 Cum.	2410.26	740.60	740.60	740.60	740.60	740.60	3703.00
Pavagada	DoLR-MoRD - Agriculture Dept	Trench cum Bund	1224.40	0.00	34.28	34.28	34.28	34.28	34.28	171.42
Pavagada	DoLR-MoRD - Agriculture Dept	Farm pond	1000	0.00	48.00	48.00	48.00	48.00	48.00	240.00
Pavagada	DoLR-MoRD - Agriculture Dept	Bore well Recharge Points	640	0.00	93.44	93.44	93.44	93.44	93.44	467.20
Pavagada	DoLR-MoRD - Agriculture Dept	Agro-forestry	200000	0.00	14.00	14.00	14.00	14.00	14.00	70.00
Pavagada	DoLR-MoRD - Agriculture Dept	Dry land Horticulture	150000	0.00	10.50	10.50	10.50	10.50	10.50	52.50
Pavagada	DoLR-MoRD - Social Forest	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings	0.00	74.58	74.58	74.58	74.58	74.58	372.91
Pavagada	DoLR-MoRD - Social Forest	Soil & Moisture Conservation (cum)	5000	0.00	12.20	12.20	12.20	12.20	12.20	61.00
Pavagada	DoLR-MoRD - Territorial Forest	Soil & Moisture Conservation	11250	0.00	657.80	657.80	657.80	657.80	657.80	3289.00

Pavagada	DoLR-MoRD - Territorial Forest	Raising , Maintenance of seedlings & Plantation		0.00	875.57	875.57	875.57	875.57	875.57	4377.84
Pavagada	DoLR-MoRD-PRED-Madhugiri Division	Renovation of water bodies including desilting	93 No. of Tanks/ 59182209.3 7 Cum.	1651.9	629.80	629.80	629.80	629.80	629.80	3149.00
Sira	DoLR-MoRD - Agriculture Dept	Trench cum Bund	2853	0.00	79.88	79.88	79.88	79.88	79.88	399.42
Sira	DoLR-MoRD - Agriculture Dept	Farm pond	1000	0.00	48.00	48.00	48.00	48.00	48.00	240.00
Sira	DoLR-MoRD - Agriculture Dept	Bore well Recharge Points	3659.2	0.00	534.24	534.24	534.24	534.24	534.24	2671.22
Sira	DoLR-MoRD - Agriculture Dept	Agro-forestry	2116410	0.00	148.15	148.15	148.15	148.15	148.15	740.74
Sira	DoLR-MoRD - Agriculture Dept	Dry land Horticulture	2116410	0.00	148.15	148.15	148.15	148.15	148.15	740.74
Sira	DoLR-MoRD - Social Forest	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings	0.00	74.58	74.58	74.58	74.58	74.58	372.91
Sira	DoLR-MoRD - Social Forest	Soil & Moisture Conservation (cum)	5000	0.00	12.20	12.20	12.20	12.20	12.20	61.00
Sira	DoLR-MoRD - Territorial Forest	Soil & Moisture Conservation	11250	0.00	822.25	822.25	822.25	822.25	822.25	4111.25



Sira	DoLR-MoRD - Territorial Forest	Raising , Maintenance of seedlings & Plantation	0.00		1094.46	1094.46	1094.46	1094.46	1094.46	5472.30
Sira	DoLR-MoRD- PRED- Madhugiri Division	Renovation of water bodies including desilting	117 No. of Tanks/ 28457298.1 5 Cum.	2391.55	778.00	778.00	778.00	778.00	778.00	3890.00
Tiptur	DoLR-MoRD - Agriculture Dept	Trench cum Bund	884.6	0.00	24.77	24.77	24.77	24.77	24.77	123.84
Tiptur	DoLR-MoRD - Agriculture Dept	Farm pond	1000	0.00	48.00	48.00	48.00	48.00	48.00	240.00
Tiptur	DoLR-MoRD - Agriculture Dept	Bore well Recharge Points	862.4	0.00	125.91	125.91	125.91	125.91	125.91	629.55
Tiptur	DoLR-MoRD - Agriculture Dept	Agro-forestry	1275750	0.00	89.30	89.30	89.30	89.30	89.30	446.51
Tiptur	DoLR-MoRD - Agriculture Dept	Dry land Horticulture	975150	0.00	68.26	68.26	68.26	68.26	68.26	341.30
Tiptur	DoLR-MoRD - Social Forest	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings	0.00	74.58	74.58	74.58	74.58	74.58	372.91
Tiptur	DoLR-MoRD - Social Forest	Soil & Moisture Conservation (cum)	5000	0.00	12.20	12.20	12.20	12.20	12.20	61.00
Tiptur	DoLR-MoRD - Territorial Forest	Soil & Moisture Conservation	11250	0.00	657.80	657.80	657.80	657.80	657.80	3289.00

Tiptur	DoLR-MoRD - Territorial Forest	Raising , Maintenance of seedlings & Plantation	0.00		875.57	875.57	875.57	875.57	875.57	4377.84
Tiptur	DoLR-MoRD-PRED-Tumakuru Division	Renovation of water bodies including desilting	122No.'s ZP tanks 453.26 Mcft	1406.57	1492.40	1492.40	1492.40	1492.40	1492.40	7462.00
Tumakuru	DoLR-MoRD - Agriculture Dept	Trench cum Bund	27.6	0.00	0.77	0.77	0.77	0.77	0.77	3.86
Tumakuru	DoLR-MoRD - Agriculture Dept	Farm pond	1000	0.00	48.00	48.00	48.00	48.00	48.00	240.00
Tumakuru	DoLR-MoRD - Agriculture Dept	Bore well Recharge Points	66	0.00	9.64	9.64	9.64	9.64	9.64	48.18
Tumakuru	DoLR-MoRD - Agriculture Dept	Agro-forestry	60000	0.00	4.20	4.20	4.20	4.20	4.20	21.00
Tumakuru	DoLR-MoRD - Agriculture Dept	Dry land Horticulture	27000	0.00	1.89	1.89	1.89	1.89	1.89	9.45
Tumakuru	DoLR-MoRD - Social Forest	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings	0.00	74.58	74.58	74.58	74.58	74.58	372.91
Tumakuru	DoLR-MoRD - Social Forest	Soil & Moisture Conservation (cum)	5000	0.00	12.20	12.20	12.20	12.20	12.20	61.00
Tumakuru	DoLR-MoRD - Territorial Forest	Soil & Moisture Conservation	11250	0.00	657.80	657.80	657.80	657.80	657.80	3289.00

Tumakuru	DoLR-MoRD - Territorial Forest	Raising , Maintenance of seedlings & Plantation	0.00		875.57	875.57	875.57	875.57	875.57	4377.84
Tumakuru	DoLR-MoRD-PRED-Tumakuru Division	Renovation of water bodies including desilting	123 No.'s ZP tanks 515.32 Mcft.	1376.88	654.80	654.80	654.80	654.80	654.80	3274.00
Turuvekere	DoLR-MoRD -Agri. Dept	Trench cum Bund	214	0.00	5.99	5.99	5.99	5.99	5.99	29.96
Turuvekere	DoLR-MoRD -Agri.Dept	Farm pond	1000	0.00	48.00	48.00	48.00	48.00	48.00	240.00
Turuvekere	DoLR-MoRD -Agri. Dept	Bore well Recharge Points	2600	0.00	379.60	379.60	379.60	379.60	379.60	1898.00
Turuvekere	DoLR-MoRD - Agriculture Dept	Agro-forestry	1068361	0.00	70.00	70.00	70.00	70.00	70.00	350.00
Turuvekere	DoLR-MoRD - Agriculture Dept	Dry land Horticulture	1622100	0.00	112.00	112.00	112.00	112.00	112.00	560.00
Turuvekere	DoLR-MoRD - Social Forest	Raising , Maintenance of seedlings & Plantation	75 Kms & 6.5 lakhs seedlings	0.00	74.58	74.58	74.58	74.58	74.58	372.91
Turuvekere	DoLR-MoRD - Social Forest	Soil & Moisture Conservation (cum)	5000	0.00	12.20	12.20	12.20	12.20	12.20	61.00
Turuvekere	DoLR-MoRD - Territorial Forest	Soil & Moisture Conservation	11250	0.00	328.90	328.90	328.90	328.90	328.90	1644.50

Turuvekere	DoLR-MoRD - Territorial Forest	Raising , Maintenance of seedlings & Plantation	0.00	0.00	437.78	437.78	437.78	437.78	437.78	2188.92
Turuvekere	DoLR-MoRD- PRED- Tumakuru Division	Renovation of water bodies including desilting	13 No.'s ZP tanks 94.92 Mcft.	135.12	147.00	147.00	147.00	147.00	147.00	735.00
<b>Total</b>				<b>14419.56</b>	<b>27681.36</b>	<b>27681.36</b>	<b>27681.36</b>	<b>27681.36</b>	<b>27681.36</b>	<b>138406.81</b>

**Table 5.13: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Activities under Har Khet Ko Pani**

Name of the Block	Concerned Ministry/ Department	Activity	Total Number/Capacity (cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
Chikkanaya kana Hally	MoWR -Minor Irrigation	Fresh works Percolation Tank	2	58.5	26.00	26.00	26.00	26.00	26.00	130.00
Chikkanaya kana Hally	MoWR -Minor Irrigation	Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	10	301.5	134.00	134.00	134.00	134.00	134.00	670.00
Chikkanaya kana Hally	MoWR -Minor Irrigation	RRR of fresh works for Tanks	8	457.50	122.00	122.00	122.00	122.00	122.00	610.00
Gubbi	MoWR -Hemavathy Canal Zone - Tumakuru	R&R of Water Bodies	30	2871.13	445.40	445.40	445.40	445.40	445.40	2227.00
Gubbi	MoWR -Hemavathy Canal Zone - Tumakuru	Micro -Irrigation	21	8562.3538	8562.56	8562.56	8562.56	8562.56	8562.56	42812.82
Gubbi	MoWR -Minor Irrigation	Fresh works Percolation Tank	1	67.5	30.00	30.00	30.00	30.00	30.00	150.00
Gubbi	DoLR-MoRD - Minor Irrigation	Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	65	2241	996.00	996.00	996.00	996.00	996.00	4980.00
Gubbi	DoLR-MoRD - Minor Irrigation	RRR of fresh works for Tanks	41	1605	428.00	428.00	428.00	428.00	428.00	2140.00
Gubbi	MoWR -R.W.S.&S Sub Division Gubbi	Check Dam	0	0	106.00	106.00	106.00	106.00	106.00	530.00
Gubbi	MoWR -R.W.S.&S Sub Division Gubbi	Check Dam & Jackwell including PWS	0	0	22.00	22.00	22.00	22.00	22.00	110.00

Gubbi	DoLR-MoRD- PRED-Tumakuru Division	RRR of Water Bodies (Renovation of existing water bodies other than tanks)	0	0	481.00	481.00	481.00	481.00	481.00	2405.00
Koratagere	MoWR -Minor Irrigation	Minor Irrigation ( Feeder channel)	28	200	0.00	526.67	526.67	526.67	0.00	1580.00
Koratagere	MoWR -Minor Irrigation	Minor Irrigation ( R.R.R of Water bodies)	55	4282.38	1240.00	1240.00	1240.00	1240.00	1240.00	6200.00
Kunigal	MoWR -Hemavathy Canal Zone - Tumakuru	RRR of Water Bodies	21	3467.05	974.00	974.00	974.00	974.00	974.00	4870.00
Kunigal	MoWR -Hemavathy Canal Zone - Tumakuru	MicroIrrigation	3	3975	3975.00	3975.00	3975.00	3975.00	3975.00	19875.00
Kunigal	MoWR -Minor Irrigation	Fresh works Percolation Tank	4	162	72.00	72.00	72.00	72.00	72.00	360.00
Kunigal	MoWR -Minor Irrigation	Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	37	400.5	178.00	178.00	178.00	178.00	178.00	890.00
Kunigal	MoWR -Minor Irrigation	RRR of fresh works for Tanks	26	2587.5	708.00	708.00	708.00	708.00	708.00	3540.00
Kunigal	DoLR-MoRD- PRED- Tumakuru Division	RRR of Water Bodies (Renovation of existing water bodies other than tanks)	263 Nos.	0	751.80	751.80	751.80	751.80	751.80	3759.00
Madhugiri	MoWR -Minor Irrigation	Fresh works Percolation Tank	1	44.55	19.80	19.80	19.80	19.80	19.80	99.00

Madhugiri	MoWR -Minor Irrigation	Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	7	153	68.00	68.00	68.00	68.00	68.00	340.00
Madhugiri	MoWR -Minor Irrigation	RRR of fresh works for Tanks	56	4500	1200.00	1200.00	1200.00	1200.00	1200.00	6000.00
Madhugiri	MoWR -Minor Irrigation	RRR - Improvements to Feeder Channels	13	270	120.00	120.00	120.00	120.00	120.00	600.00
Pavagada	DoLR-MoRD - Minor Irrigation	Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	7	288	128.00	128.00	128.00	128.00	128.00	640.00
Pavagada	DoLR-MoRD - Minor Irrigation	RRR of fresh works for Tanks	36	1587.75	423.40	423.40	423.40	423.40	423.40	2117.00
Sira	MoWR -Minor Irrigation	Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	12	375.75	167.00	167.00	167.00	167.00	167.00	835.00
Sira	MoWR -Minor Irrigation	RRR of fresh works for Tanks	36	1376.25	367.00	367.00	367.00	367.00	367.00	1835.00
Tiptur	MoWR -Minor Irrigation	Fresh works Percolation Tank	3	67.5	30.00	30.00	30.00	30.00	30.00	150.00
Tiptur	MoWR -Minor Irrigation	Fresh Works- Anicuts, Pick Ups, Check Dams, LLC etc	84	495	220.00	220.00	220.00	220.00	220.00	1100.00
Tiptur	DoLR-MoRD - Minor Irrigation	RRR of fresh works for Tanks	21	900	240.00	240.00	240.00	240.00	240.00	1200.00

Tiptur	DoLR-MoRD-PRED-Tumakuru Division	RRR of Water Bodies (Renovation of existing water bodies other than tanks	352 Nos	0	188.00	188.00	188.00	188.00	188.00	940.00
Tumakuru	MoWR -Hemavathy Canal Zone - Tumakuru	R&R of Water Bodies	1	41.5	30.00	30.00	30.00	30.00	30.00	150.00
Tumakuru	MoWR -Hemavathy Canal Zone - Tumakuru	Micro -Irrigation	6	1529.355	1529.36	1529.36	1529.36	1529.36	1529.36	7646.78
Tumakuru	MoWR -Minor Irrigation	Fresh works Percolation Tank	4	315	140.00	140.00	140.00	140.00	140.00	700.00
Tumakuru	MoWR -Minor Irrigation	Fresh Works-Anicuts, Pick Ups, Check Dams, LLC etc	18	634.5	282.00	282.00	282.00	282.00	282.00	1410.00
Tumakuru	MoWR -Minor Irrigation	RRR of fresh works for Tanks	49	3768.75	1005.00	1005.00	1005.00	1005.00	1005.00	5025.00
Tumakuru	MoWR -Minor Irrigation	RRR - Improvements to Feeder Channels	7	508.5	226.00	226.00	226.00	226.00	226.00	1130.00
Tumakuru	DoLR-MoRD-PRED-Tumakuru Division	RRR of Water Bodies (Renovation of existing water bodies other than tanks	35 Nos	0	74.30	74.30	74.30	74.30	74.30	371.50
Turvekere	MoWR -Minor Irrigation	Fresh Works-Anicuts, Pick Ups, Check Dams, LLC etc	6	459	204.00	204.00	204.00	204.00	204.00	1020.00



Turvekere	MoWR -Minor Irrigation	RRR of fresh works for Tanks	3	375	100.00	100.00	100.00	100.00	100.00	500.00
Turuvekere	DoLR-MoRD-PRED-Tumakuru Division	RRR of Water Bodies (Renovation of existing water bodies other than tanks)	64 Nos.	0	215.00	215.00	215.00	215.00	215.00	1075.00
Tiptur	MoWR -Hemavathy Canal Zone - Tumakuru	Micro -Irrigation	13	2267.6075	2267.61	2267.61	2267.61	2267.61	2267.61	11338.04
Tiptur	MoWR -Hemavathy Canal Zone - Tumakuru	R&R of Water Bodies	8	899.07	43.00	43.00	43.00	43.00	43.00	215.00
Turvekere	MoWR -Hemavathy Canal Zone - Tumakuru	Micro -Irrigation	16	4249.9175	12330.23	12330.23	12330.23	12330.23	12330.23	61651.13
Turvekere	MoWR -Hemavathy Canal Zone - Tumakuru	R&R of Water Bodies	33	1041.29	831.00	831.00	831.00	831.00	831.00	4155.00
<b>Total</b>				<b>57386.204</b>	<b>41700.45</b>	<b>42227.12</b>	<b>42227.12</b>	<b>42227.12</b>	<b>41700.45</b>	<b>210082.26</b>

**Table 5.14: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Activities under Per Drop More Crop**

Name of the Block	Concerned Ministry/ Department	Activity	Total Number/ Capacity (cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
Chikkanaya kana Hally	MOA &FW- DAC&FW -Horticulture Dept	DPAP Drip	20240	16190.19	550.47	550.47	550.47	550.47	550.47	2752.33
Chikkanaya kana Hally	MOA &FW- DAC&FW -Sericulture Department	DPAP Drip		80.00	15.62	15.62	15.62	15.62	15.62	78.08
Chikkanaya kana Hally	MOA &FW- DAC&FW -Agriculture Dept	Non -DPAP Sprinkler	21578	22395	301.93	301.93	301.93	301.93	301.93	1509.66
Gubbi	MOA &FW- DAC&FW -Horticulture Dept	DPAP Drip	34695	27755.6	943.69	943.69	943.69	943.69	943.69	4718.45
Gubbi	MOA &FW- DAC&FW -Sericulture Department	DPAP Drip		44	8.59	8.59	8.59	8.59	8.59	42.94
Gubbi	MOA &FW- DAC&FW -Agriculture Dept	Non -DPAP Sprinkler	36002	24828	311.35	311.35	311.35	311.35	311.34	1556.74
koratgere	MOA &FW- DAC&FW -Horticulture Dept	DPAP Drip	4975	3981.09	135.36	135.36	135.36	135.36	135.36	676.79
Koratagere	MOA &FW- DAC&FW -Sericulture Department	DPAP Drip		202	39.43	39.43	39.43	39.43	39.43	197.15
Koratagere	MOA &FW- DAC&FW -Agriculture Dept	Non -DPAP Sprinkler	12753	7069	206.35	206.35	206.35	206.35	206.35	1031.76
Kunigal	MOA &FW- DAC&FW -Horticulture Dept	DPAP Drip	9400	7521.56	255.73	255.73	255.73	255.73	255.73	1278.67
Kunigal	MOA &FW- DAC&FW -Sericulture Department	DPAP Drip		450	87.84	87.84	87.84	87.84	87.84	439.19
Kunigal	MOA &FW- DAC&FW -Agriculture Dept	Non -DPAP Sprinkler	18614	4848	241.19	241.19	241.19	241.19	241.19	1205.93
Madhugiri	MOA &FW- DAC&FW -Horticulture Dept	DPAP Drip	3975	3178.88	173.57	173.57	173.57	173.57	173.57	867.87

Madhugiri	MOA &FW- DAC&FW -Sericulture Department	DPAP Drip		417	81.40	81.40	81.40	81.40	81.40	406.98
Madhugiri	MOA &FW- DAC&FW -Agriculture Dept	Non -DPAP Sprinkler	20216	8199	280.02	280.02	280.02	280.02	280.02	1400.09
Pavagada	MOA &FW- DAC&FW -Horticulture Dept	DPAP Drip	10870	8697.90	521.87	521.87	521.87	521.87	521.87	2609.37
Pavagada	MOA &FW- DAC&FW -Sericulture Department	DPAP Drip		519.00	101.31	101.31	101.31	101.31	101.31	506.53
Pavagada	MOA &FW- DAC&FW -Agriculture Dept	Non -DPAP Sprinkler	13812	7769	156.88	156.88	156.88	156.88	156.88	784.38
Sira	MOA &FW- DAC&FW -Horticulture Dept	DPAP Drip	10550	8438.26	405.04	405.04	405.04	405.04	405.04	2025.18
Sira	MOA &FW- DAC&FW -Sericulture Department	DPAP Drip		309	60.32	60.32	60.32	60.32	60.32	301.58
Sira	MOA &FW- DAC&FW -Agriculture Dept	Non -DPAP Sprinkler	23893	15967	337.60	337.60	337.60	337.60	337.60	1688.00
Tiptur	MOA &FW- DAC&FW -Horticulture Dept	DPAP Drip	23495	18794.91	639.03	639.03	639.03	639.03	639.03	3195.13
Tiptur	MOA &FW- DAC&FW -Sericulture Department	DPAP Drip		58	11.32	11.32	11.32	11.32	11.32	56.61
Tiptur	MOA &FW- DAC&FW -Agriculture Dept	Non -DPAP Sprinkler	23377	19278	314.93	314.93	314.93	314.94	314.94	1574.67
Tumakuru	MOA &FW- DAC&FW -Horticulture Dept	DPAP Drip	19375	15500.35	527.01	527.01	527.01	527.01	527.01	2635.06
Tumakuru	MOA &FW- DAC&FW -Sericulture Department	DPAP Drip		94	18.35	18.35	18.35	18.35	18.35	91.74

Tumakuru	MOA &FW- DAC&FW -Agriculture Dept	Non -DPAP Sprinkler	30303	18668	296.91	296.91	296.91	296.91	296.91	1484.55
Turuvekere	MOA &FW- DAC&FW -Horticulture Dept	DPAP Drip	25730	20586.23	699.93	699.93	699.93	699.93	699.93	3499.66
Turuvekere	MOA &FW- DAC&FW -Sericulture Dept	DPAP Drip		74	14.44	14.44	14.44	14.44	14.44	72.22
Turuvekere	MOA &FW- DAC&FW -Agriculture Dept	Non -DPAP Sprinkler	22995	2041	102.20	102.20	102.20	102.20	102.20	511.01
<b>Total</b>				<b>263953.97</b>	<b>7817.98</b>	<b>7817.98</b>	<b>7817.98</b>	<b>7817.98</b>	<b>7817.98</b>	<b>39089.90</b>

**Table 5.15: Strategic Action Plan for Irrigation in Tumakuru District under PMKSY: Activities under PMKSY-Watershed and Others**

Name of the Block	Concerned Ministry/ Department	Activity	Total Number/Capacity (cum)	Command Area/Irrigation Potential (Ha)	Estimated Cost (Rs. in Lakh)					
					1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	4 <sup>th</sup> Year	5 <sup>th</sup> Year	Total
Chikkanayakana Hally	DoLR-MoRD -Agriculture Dept	Trench cum Bund(Ha)	23530		628.36	628.36	628.36	628.36	628.36	3141.78
Chikkanayakana Hally	DoLR-MoRD -Agriculture Dept	Farm pond	8174		392.35	392.35	392.35	392.35	392.35	1961.76
Chikkanayakana Hally	DoLR-MoRD -Agriculture Dept	Check Dam	155		155.00	155.00	155.00	155.00	155.00	775.00
Chikkanayakana Hally	DoLR-MoRD -Agriculture Dept	Nala Bund-I	24		24.00	24.00	24.00	24.00	24.00	120.00
Chikkanayakana Hally	DoLR-MoRD -Agriculture Dept	Percolation Tank	42		42.00	42.00	42.00	42.00	42.00	210.00
Chikkanayakana Hally	DoLR-MoRD -Agriculture Dept	Nala Bund-II( Earthen Bund)	240		122.00	122.00	122.00	122.00	122.00	610.00
Chikkanayakana Hally	DoLR-MoRD -Agriculture Dept	Gokatte	88		35.20	35.20	35.20	35.20	35.20	176.00
Chikkanayakana Hally	DoLR-MoRD -Agriculture Dept	Mini percolation Tank	54		16.20	16.20	16.20	16.20	16.20	81.00

Chikkanayaka na Hally	DoLR-MoRD -Agriculture Dept	Bore well Recharge Points	840.00		122.64	122.64	122.64	122.64	122.64	613.20
Chikkanayaka na Hally	DoLR-MoRD -Agriculture Dept	Agro-forestry	454100		45.41	45.41	45.41	45.41	45.41	227.04
Chikkanayaka na Hally	DoLR-MoRD -Agriculture Dept	Dry land Horticulture	181640		34.51	34.51	34.51	34.51	34.51	172.56
Chikkanayaka na Hally	DoLR-MoRD -Agriculture Dept	Diesel pumpset	2293		68.80	68.80	68.80	68.80	68.80	343.99
Chikkanayaka na Hally	DoLR-MoRD -Agriculture Dept	Geomembrane	4586.5		157.65	157.65	157.65	157.65	157.65	788.26
Chikkanayaka na Hally	DoLR-MoRD -Agriculture Dept	Slab/Clay - Cement mortar lining	4586.5		458.65	458.65	458.65	458.65	458.65	2293.25
Chikkanayaka na Hally	DoLR-MoRD -Agriculture Dept	EPA,ICT,M&E, livelihood	21814		94.24	94.24	94.24	94.24	94.24	471.18
Chikkanayaka na Hally	DoLR-MoRD- PRED- Madhugiri Division	check dams	222 Numbers/ 188700 Cum	26.69	1025.00	1025.00	1025.00	1025.00	1025.00	5125.00
Gubbi	DoLR-MoRD -Agriculture Dept	Trench cum Bund(Ha)	18325.4		448.01	448.01	448.01	448.01	448.01	2240.03
Gubbi	DoLR-MoRD -Agriculture Dept	Farm pond	12476.54		550.87	550.87	550.87	550.87	550.87	2754.37

Gubbi	DoLR-MoRD -Agriculture Dept	Check Dam	181		181.00	181.00	181.00	181.00	181.00	905.00
Gubbi	DoLR-MoRD -Agriculture Dept	Nala Bund-I	287		287.00	287.00	287.00	287.00	287.00	1435.00
Gubbi	DoLR-MoRD -Agriculture Dept	Percolation Tank	61		61.00	61.00	61.00	61.00	61.00	305.00
Gubbi	DoLR-MoRD -Agriculture Dept	Nala Bund-II( Earthen Bund)	501		200.40	200.40	200.40	200.40	200.40	1002.00
Gubbi	DoLR-MoRD -Agriculture Dept	Gokatte	146		58.40	58.40	58.40	58.40	58.40	292.00
Gubbi	DoLR-MoRD -Agriculture Dept	Mini percolation Tank	916		274.80	274.80	274.80	274.80	274.80	1374.00
Gubbi	DoLR-MoRD -Agriculture Dept	Bore well Recharge Points	7000		613.20	613.20	613.20	613.20	613.20	3066.00
Gubbi	DoLR-MoRD -Agriculture Dept	Agro-forestry	1500000		150.00	150.00	150.00	150.00	150.00	750.00
Gubbi	DoLR-MoRD -Agriculture Dept	Dry land Horticulture	1500000		285.00	285.00	285.00	285.00	285.00	1425.00
Gubbi	DoLR-MoRD -Agriculture Dept	Diesel pumpset	3119.25		93.58	93.58	93.58	93.58	93.58	467.89
Gubbi	DoLR-MoRD - Agriculture Dept	Geo-membrane	6238.5		214.44	214.44	214.44	214.44	214.44	1072.18

Gubbi	DoLR-MoRD -Agriculture Dept	Slab/Clay - Cement mortar lining	6238.5		623.85	623.85	623.85	623.85	623.85	3119.25
Gubbi	DoLR-MoRD -Agriculture Dept	EPA,ICT,M&E, livelihood	30542		131.94	131.94	131.94	131.94	131.94	659.71
Koratagere	DoLR-MoRD -Agriculture Dept	Trench cum Bund(Ha)	9076		254.13	254.13	254.13	254.13	254.13	1270.64
Koratagere	DoLR-MoRD -Agriculture Dept	Farm pond	6990		335.52	335.52	335.52	335.52	335.52	1677.60
Koratagere	DoLR-MoRD -Agriculture Dept	Check Dam	90		90.00	90.00	90.00	90.00	90.00	450.00
Koratagere	DoLR-MoRD -Agriculture Dept	Nala Bund-I	95		95.00	95.00	95.00	95.00	95.00	475.00
Koratagere	DoLR-MoRD -Agriculture Dept	Percolation Tank	40		40.00	40.00	40.00	40.00	40.00	200.00
Koratagere	DoLR-MoRD -Agriculture Dept	Nala Bund-II( Earthen Bund)	90		36.00	36.00	36.00	36.00	36.00	180.00
Koratagere	DoLR-MoRD -Agriculture Dept	Gokatte	130		52.00	52.00	52.00	52.00	52.00	260.00
Koratagere	DoLR-MoRD -Agriculture Dept	Mini percolation Tank	135		40.50	40.50	40.50	40.50	40.50	202.50
Koratagere	DoLR-MoRD - Agriculture Dept	Bore well Recharge Points	2500		365.00	365.00	365.00	365.00	365.00	1825.00



Koratagere	DoLR-MoRD -Agriculture Dept	Agro-forestry	156800		15.68	15.68	15.68	15.68	15.68	78.40
Koratagere	DoLR-MoRD -Agriculture Dept	Dry land Horticulture	86089		16.36	16.36	16.36	16.36	16.36	81.79
Koratagere	DoLR-MoRD -Agriculture Dept	Diesel pumpset	1960		58.80	58.80	58.80	58.80	58.80	294.00
Koratagere	DoLR-MoRD -Agriculture Dept	Geo-membrane	3920		134.74	134.74	134.74	134.74	134.74	673.71
Koratagere	DoLR-MoRD -Agriculture Dept	Slab/Clay - Cement mortar lining	3920		392.00	392.00	392.00	392.00	392.00	1960.00
Koratagere	DoLR-MoRD -Agriculture Dept	EPA,ICT,M&E, livelihood	17543		75.79	75.79	75.79	75.79	75.79	378.93
Koratagere	DoLR-MoRD- PRED- Madhugiri Division	check dams	77 Numbers/ 65450 Cum	9.34	182.00	182.00	182.00	182.00	182.00	910.00
Kunigal	DoLR-MoRD -Agriculture Dept	Trench cum Bund(Ha)	12481		349.47	349.47	349.47	349.47	349.47	1747.34
Kunigal	DoLR-MoRD -Agriculture Dept	Farm pond	7391		354.77	354.77	354.77	354.77	354.77	1773.84
Kunigal	DoLR-MoRD -Agriculture Dept	Check Dam	374		374.00	374.00	374.00	374.00	374.00	1870.00

Kunigal	DoLR-MoRD -Agriculture Dept	Nala Bund-I	239		239.00	239.00	239.00	239.00	239.00	1195.00
Kunigal	DoLR-MoRD -Agriculture Dept	Percolation Tank	60		60.00	60.00	60.00	60.00	60.00	300.00
Kunigal	DoLR-MoRD -Agriculture Dept	Nala Bund-II( Earthen Bund)	120		48.00	48.00	48.00	48.00	48.00	240.00
Kunigal	DoLR-MoRD -Agriculture Dept	Gokatte	385		154.00	154.00	154.00	154.00	154.00	770.00
Kunigal	DoLR-MoRD -Agriculture Dept	Mini percolation Tank	299		89.70	89.70	89.70	89.70	89.70	448.50
Kunigal	DoLR-MoRD -Agriculture Dept	Bore well Recharge Points	1454		212.28	212.28	212.28	212.28	212.28	1061.42
Kunigal	DoLR-MoRD -Agriculture Dept	Agro-forestry	1029295		104.98	104.98	104.98	104.98	104.98	524.90
Kunigal	DoLR-MoRD -Agriculture Dept	Dry land Horticulture	1228851		235.50	235.50	235.50	235.50	235.50	1177.51
Kunigal	DoLR-MoRD -Agriculture Dept	Diesel pumpset	2083.25		62.50	62.50	62.50	62.50	62.50	312.49
Kunigal	DoLR-MoRD -Agriculture Dept	Geo-membrane	4166.5		143.22	143.22	143.22	143.22	143.22	716.08

Kunigal	DoLR-MoRD -Agriculture Dept	Slab/Clay - Cement mortar lining	4166.5		416.65	416.65	416.65	416.65	416.65	2083.25
Kunigal	DoLR-MoRD -Agriculture Dept	EPA,ICT,M&E, livelihood	20184		87.19	87.19	87.19	87.19	87.19	435.97
Kunigal	DoLR-MoRD- PRED- Tumakuru Division	Percolation Tanks	31 Nos.		98.40	98.40	98.40	98.40	98.40	492.00
Madhugiri	DoLR-MoRD -Agriculture Dept	Trench cum Bund(Ha)	15660		438.48	438.48	438.48	438.48	438.48	2192.40
Madhugiri	DoLR-MoRD -Agriculture Dept	Farm pond	5631		270.29	270.29	270.29	270.29	270.29	1351.44
Madhugiri	DoLR-MoRD -Agriculture Dept	Check Dam	40		40.00	40.00	40.00	40.00	40.00	200.00
Madhugiri	DoLR-MoRD -Agriculture Dept	Nala Bund-I	215		215.00	215.00	215.00	215.00	215.00	1075.00
Madhugiri	DoLR-MoRD -Agriculture Dept	Percolation Tank	35		35.00	35.00	35.00	35.00	35.00	175.00
Madhugiri	DoLR-MoRD -Agriculture Dept	Nala Bund-II( Earthen Bund)	128		51.20	51.20	51.20	51.20	51.20	256.00
Madhugiri	DoLR-MoRD -Agriculture Dept	Gokatte	156		62.40	62.40	62.40	62.40	62.40	312.00

Madhugiri	DoLR-MoRD -Agriculture Dept	Mini percolation Tank	240		72.00	72.00	72.00	72.00	72.00	360.00
Madhugiri	DoLR-MoRD -Agriculture Dept	Bore well Recharge Points	3048		445.07	445.07	445.07	445.07	445.07	2225.33
Madhugiri	DoLR-MoRD -Agriculture Dept	Agro-forestry	284832		29.03	29.03	29.03	29.03	29.03	145.15
Madhugiri	DoLR-MoRD -Agriculture Dept	Dry land Horticulture	144116		27.77	27.77	27.77	27.77	27.77	138.87
Madhugiri	DoLR-MoRD -Agriculture Dept	Diesel pumpset	1606.5		48.20	48.20	48.20	48.20	48.20	240.98
Madhugiri	DoLR-MoRD -Agriculture Dept	Geo-membrane	3213		110.44	110.44	110.44	110.44	110.44	552.20
Madhugiri	DoLR-MoRD -Agriculture Dept	Slab/Clay - Cement mortar lining	3213		321.30	321.30	321.30	321.30	321.30	1606.50
Madhugiri	DoLR-MoRD -Agriculture Dept	EPA,ICT,M&E, livelihood	28168		121.69	121.69	121.69	121.69	121.69	608.43
Madhugiri	DoLR-MoRD- PRED- Madhugiri Division	Multi Arch Dam	32		88.00	88.00	88.00	88.00	88.00	440.00
Madhugiri	DoLR-MoRD- PRED- Madhugiri Division	Gokatte Improvements	60		150.00	150.00	150.00	150.00	150.00	750.00

Madhugiri	DoLR-MoRD-PRED-Madhugiri Division	Pick Ups	185		785.40	785.40	785.40	785.40	785.40	3927.00
Pavagada	DoLR-MoRD -Agriculture Dept	Trench cum Bund(Ha)	28813.4		806.77	806.77	806.77	806.77	806.77	4033.87
Pavagada	DoLR-MoRD -Agriculture Dept	Farm pond	6400		307.20	307.20	307.20	307.20	307.20	1536.00
Pavagada	DoLR-MoRD -Agriculture Dept	Check Dam	90.00		90.00	90.00	90.00	90.00	90.00	450.00
Pavagada	DoLR-MoRD -Agriculture Dept	Nala Bund-I	25		25.00	25.00	25.00	25.00	25.00	125.00
Pavagada	DoLR-MoRD -Agriculture Dept	Percolation Tank	30		30.00	30.00	30.00	30.00	30.00	150.00
Pavagada	DoLR-MoRD -Agriculture Dept	Nala Bund-II( Earthen Bund)	150		60.00	60.00	60.00	60.00	60.00	300.00
Pavagada	DoLR-MoRD -Agriculture Dept	Gokatte	50		20.00	20.00	20.00	20.00	20.00	100.00
Pavagada	DoLR-MoRD -Agriculture Dept	Mini percolation Tank	200		60.00	60.00	60.00	60.00	60.00	300.00
Pavagada	DoLR-MoRD -Agriculture Dept	Bore well Recharge Points	960.00		140.16	140.16	140.16	140.16	140.16	700.80

Pavagada	DoLR-MoRD -Agriculture Dept	Agro-forestry	200000		20.00	20.00	20.00	20.00	20.00	100.00
Pavagada	DoLR-MoRD -Agriculture Dept	Dry land Horticulture	150000		28.50	28.50	28.50	28.50	28.50	142.50
Pavagada	DoLR-MoRD -Agriculture Dept	Diesel pumpset	1850		55.50	55.50	55.50	55.50	55.50	277.50
Pavagada	DoLR-MoRD -Agriculture Dept	Geo-membrane	3700		127.18	127.18	127.18	127.18	127.18	635.90
Pavagada	DoLR-MoRD -Agriculture Dept	Slab/Clay - Cement mortar lining	3700		370.00	370.00	370.00	370.00	370.00	1850.00
Pavagada	DoLR-MoRD -Agriculture Dept	EPA,ICT,M&E, livelihood	30374		131.22	131.22	131.22	131.22	131.22	656.08
Pavagada	DoLR-MoRD- PRED- Madhugiri Division	check dams	22 Numbers/ 18700 Cum	2.67	151.00	151.00	151.00	151.00	151.00	755.00
Sira	DoLR-MoRD -Agriculture Dept	Trench cum Bund(Ha)	39475.2		1105.31	1105.31	1105.31	1105.31	1105.31	5526.53
Sira	DoLR-MoRD -Agriculture Dept	Farm pond	9088		436.22	436.22	436.22	436.22	436.22	2181.12
Sira	DoLR-MoRD -Agriculture Dept	Check Dam	85		85.00	85.00	85.00	85.00	85.00	425.00

Sira	DoLR-MoRD -Agriculture Dept	Nala Bund-I	35		35.00	35.00	35.00	35.00	35.00	175.00
Sira	DoLR-MoRD -Agriculture Dept	Percolation Tank	50		50.00	50.00	50.00	50.00	50.00	250.00
Sira	DoLR-MoRD -Agriculture Dept	Nala Bund-II ( Earthen Bund)	20		8.00	8.00	8.00	8.00	8.00	40.00
Sira	DoLR-MoRD -Agriculture Dept	Gokatte	100		40.00	40.00	40.00	40.00	40.00	200.00
Sira	DoLR-MoRD -Agriculture Dept	Mini percolation Tank	150		45.00	45.00	45.00	45.00	45.00	225.00
Sira	DoLR-MoRD -Agriculture Dept	Bore well Recharge Points	5489		801.36	801.36	801.36	801.36	801.36	4006.82
Sira	DoLR-MoRD -Agriculture Dept	Agro-forestry	2116410		211.64	211.64	211.64	211.64	211.64	1058.21
Sira	DoLR-MoRD -Agriculture Dept	Dry land Horticulture	2116410		402.12	402.12	402.12	402.12	402.12	2010.59
Sira	DoLR-MoRD -Agriculture Dept	Diesel pumpset	2522		75.66	75.66	75.66	75.66	75.66	378.30
Sira	DoLR-MoRD -Agriculture Dept	Geo-membrane	5044		173.38	173.38	173.38	173.38	173.38	866.89

Sira	DoLR-MoRD -Agriculture Dept	Slab/Clay - Cement mortar lining	5044		504.40	504.40	504.40	504.40	504.40	2522.00
Sira	DoLR-MoRD -Agriculture Dept	EPA,ICT,M&E, livelihood	44755		193.34	193.34	193.34	193.34	193.34	966.71
Sira	DoLR-MoRD- PRED- Madhugiri Division	Check dams	125 Numbers/ 106250 Cum	15.17	933.20	933.20	933.20	933.20	933.20	4666.00
Tiptur	DoLR-MoRD -Agriculture Dept	Trench cum Bund(Ha)	16114.64		451.21	451.21	451.21	451.21	451.21	2256.06
Tiptur	DoLR-MoRD -Agriculture Dept	Farm pond	8469		406.51	406.51	406.51	406.51	406.51	2032.56
Tiptur	DoLR-MoRD -Agriculture Dept	Check Dam	26		26.00	26.00	26.00	26.00	26.00	130.00
Tiptur	DoLR-MoRD -Agriculture Dept	Nala Bund-I	25		25.00	25.00	25.00	25.00	25.00	125.00
Tiptur	DoLR-MoRD -Agriculture Dept	Percolation Tank	18		18.00	18.00	18.00	18.00	18.00	90.00
Tiptur	DoLR-MoRD -Agriculture Dept	Nala Bund-II( Earthen Bund)	36		14.40	14.40	14.40	14.40	14.40	72.00
Tiptur	DoLR-MoRD -Agriculture Dept	Gokatte	76		30.40	30.40	30.40	30.40	30.40	152.00



Tiptur	DoLR-MoRD -Agriculture Dept	Mini percolation Tank	47		14.10	14.10	14.10	14.10	14.10	70.50
Tiptur	DoLR-MoRD -Agriculture Dept	Bore well Recharge Points	1294		188.87	188.87	188.87	188.87	188.87	944.33
Tiptur	DoLR-MoRD -Agriculture Dept	Agro-forestry	1275750		127.58	127.58	127.58	127.58	127.58	637.88
Tiptur	DoLR-MoRD -Agriculture Dept	Dry land Horticulture	975150		185.28	185.28	185.28	185.28	185.28	926.40
Tiptur	DoLR-MoRD -Agriculture Dept	Diesel pumpset	2367.25		71.02	71.02	71.02	71.02	71.02	355.09
Tiptur	DoLR-MoRD -Agriculture Dept	Geo-membrane	4734.5		162.74	162.74	162.74	162.74	162.74	813.69
Tiptur	DoLR-MoRD -Agriculture Dept	Slab/Clay - Cement mortar lining	4734.5		473.45	473.45	473.45	473.45	473.45	2367.25
Tiptur	DoLR-MoRD -Agriculture Dept	EPA,ICT,M&E, livelihood	18141		78.37	78.37	78.37	78.37	78.37	391.85
Tumakuru	DoLR-MoRD -Agriculture Dept	Trench cum Bund(Ha)	11296		316.30	316.30	316.30	316.30	316.30	1581.49
Tumakuru	DoLR-MoRD -Agriculture Dept	Farm pond	12089		580.27	580.27	580.27	580.27	580.27	2901.36

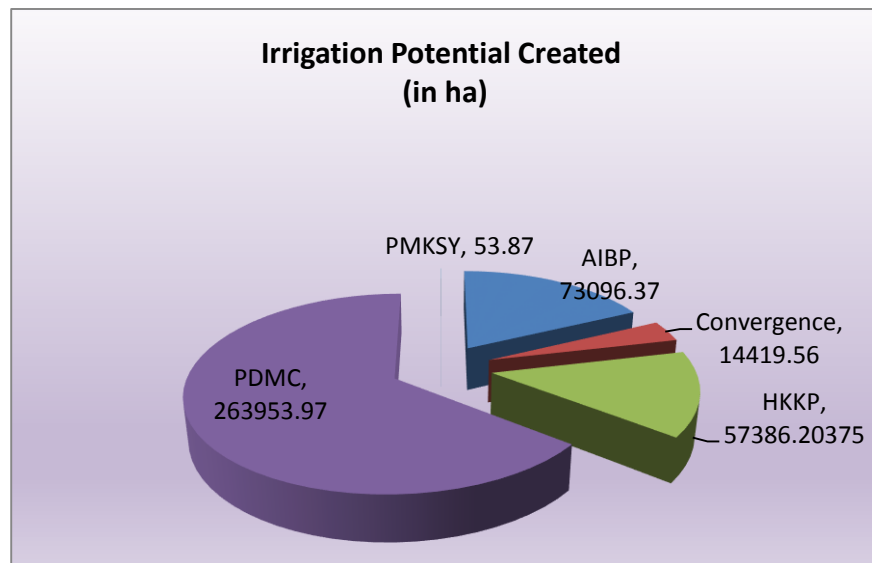
Tumakuru	DoLR-MoRD -Agriculture Dept	Check Dam	39		39.00	39.00	39.00	39.00	39.00	195.00
Tumakuru	DoLR-MoRD -Agriculture Dept	Nala Bund-I	11		11.00	11.00	11.00	11.00	11.00	55.00
Tumakuru	DoLR-MoRD -Agriculture Dept	Percolation Tank	5		5.00	5.00	5.00	5.00	5.00	25.00
Tumakuru	DoLR-MoRD -Agriculture Dept	Nala Bund-II ( Earthen Bund)	0		0.00	0.00	0.00	0.00	0.00	0.00
Tumakuru	DoLR-MoRD -Agriculture Dept	Gokatte	25		10.00	10.00	10.00	10.00	10.00	50.00
Tumakuru	DoLR-MoRD -Agriculture Dept	Mini percolation Tank	5		1.50	1.50	1.50	1.50	1.50	7.50
Tumakuru	DoLR-MoRD -Agriculture Dept	Bore well Recharge Points	99		14.45	14.45	14.45	14.45	14.45	72.27
Tumakuru	DoLR-MoRD -Agriculture Dept	Agro-forestry	60000		6.00	6.00	6.00	6.00	6.00	30.00
Tumakuru	DoLR-MoRD -Agriculture Dept	Dry land Horticulture	27000		5.13	5.13	5.13	5.13	5.13	25.65
Tumakuru	DoLR-MoRD -Agriculture Dept	Diesel pumpset	3272.25		98.17	98.17	98.17	98.17	98.17	490.84

Tumakuru	DoLR-MoRD -Agriculture Dept	Geo-membrane	6544.5		224.95	224.95	224.95	224.95	224.95	1124.77
Tumakuru	DoLR-MoRD -Agriculture Dept	Slab/Clay - Cement mortar lining	6544.5		654.45	654.45	654.45	654.45	654.45	3272.25
Tumakuru	DoLR-MoRD -Agriculture Dept	EPA,ICT,M&E, livelihood	546		2.36	2.36	2.36	2.36	2.36	11.79
Turuvekere	DoLR-MoRD -Agriculture Dept	Trench cum Bund(Ha)	12725		356.30	356.30	356.30	356.30	356.30	1781.50
Turuvekere	DoLR-MoRD -Agriculture Dept	Farm pond	8177		392.50	392.50	392.50	392.50	392.50	1962.48
Turuvekere	DoLR-MoRD -Agriculture Dept	Check Dam	336		336.00	336.00	336.00	336.00	336.00	1680.00
Turuvekere	DoLR-MoRD -Agriculture Dept	Nala Bund-I	91		91.00	91.00	91.00	91.00	91.00	455.00
Turuvekere	DoLR-MoRD -Agriculture Dept	Percolation Tank	35		35.00	35.00	35.00	35.00	35.00	175.00
Turuvekere	DoLR-MoRD -Agric. Dept	Nala Bund-II ( Earthen Bund)	45		18.00	18.00	18.00	18.00	18.00	90.00
Turuvekere	DoLR-MoRD -Agri. Dept	Gokatte	64		25.60	25.60	25.60	25.60	25.60	128.00
Turuvekere	DoLR-MoRD -Agric.Dept	Mini percolation Tank	120		36.00	36.00	36.00	36.00	36.00	180.00
Turuvekere	DoLR-MoRD -Agr. Dept	Bore well Recharge Points	4014		586.04	586.04	586.04	586.04	586.04	2930.22

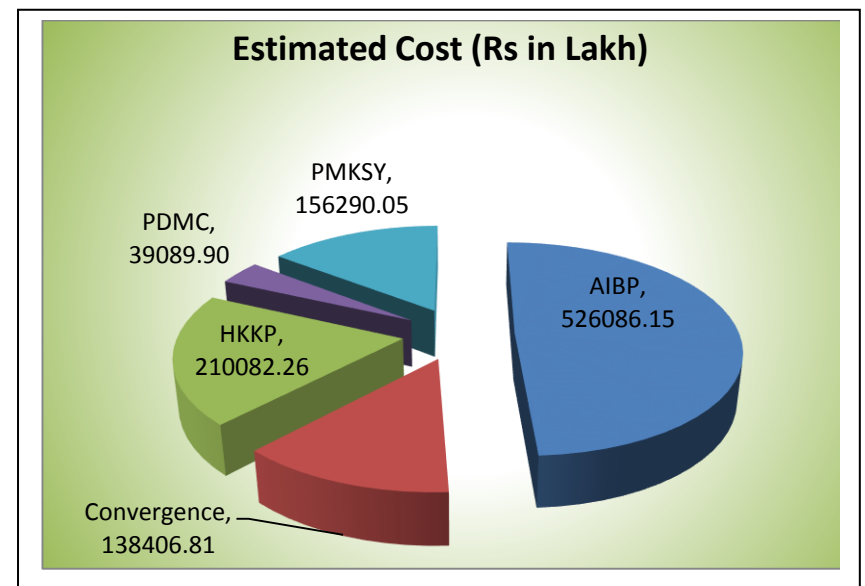
Turuvekere	DoLR-MoRD -Agriculture Dept	Agro-forestry	1068361		111.62	111.62	111.62	111.62	111.62	558.11
Turuvekere	DoLR-MoRD -Agriculture Dept	Dry land Horticulture	1622100		309.75	309.75	309.75	309.75	309.75	1548.73
Turuvekere	DoLR-MoRD -Agric.Dept	Diesel pumpset	2253		67.59	67.59	67.59	67.59	67.59	337.95
Turuvekere	DoLR-MoRD -Agriculture Dept	Geo-membrane	4506		154.88	154.88	154.88	154.88	154.88	774.42
Turuvekere	DoLR-MoRD -Agriculture Dept	Slab/Clay - Cement mortar lining	4506		450.60	450.60	450.60	450.60	450.60	2253.00
Turuvekere	DoLR-MoRD -Agriculture Dept	EPA,ICT,M&E, livelihood	21190		91.54	91.54	91.54	91.54	91.54	457.70
Turuvekere	DoLR-MoRD- PRED- Tumakuru Division	Percolation Tanks	100 Nos.		312.00	312.00	312.00	312.00	312.00	1560.00
<b>Total</b>					<b>53.87</b>	<b>31258.01</b>	<b>31258.01</b>	<b>31258.01</b>	<b>31258.01</b>	<b>156290.05</b>

*Note : All the activities related to Water harvesting structures, creation of new facilities, renovation of existing water bodies, micro irrigation, land development, etc as well as potential created and their costs proposed in the plan are according to the information provided by the JDA, Tumakuru district.*

**Fig. 5.21: Irrigation Potential Created by Different Components**



**Fig. 5.22: Estimated Cost for various activities by Component**



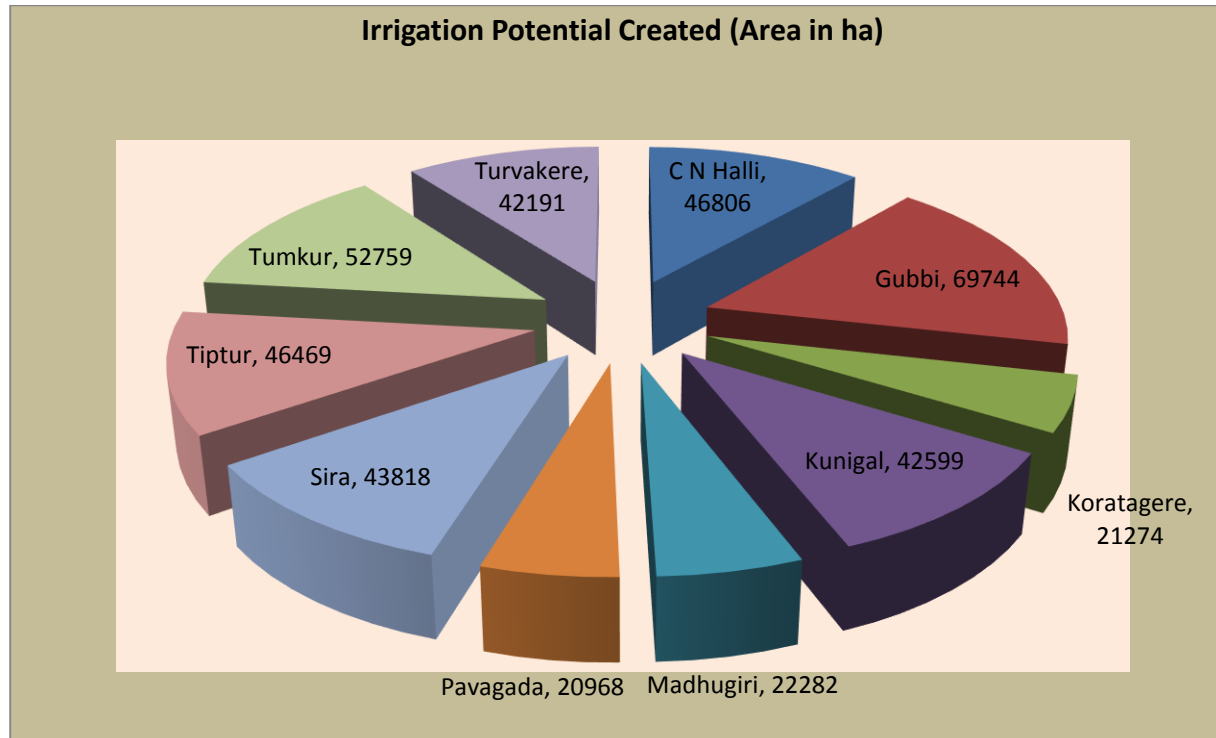
**Table 5.16: District Abstract- Irrigation Potential Created by Component in Tumakuru District**

Area in ha

Sl. No	Component	AIBP	Convergence with MGNREGA	HKKP	PDMC	PMKSY-WS	TOTAL
1	C N Halli	5543.05	1753.31	817.5	38665.19	26.69	46805.74
2	Gubbi	1111.08	658.00	15346.98	52627.60	0.00	69743.66
3	Koratagere	4315	1215.59	4482.38	11252.09	9.34	21274.40
4	Kunigal	17766.57	1420.38	10592.05	12819.56	0	42598.56
5	Madhugiri	3109.5	2410.26	4967.55	11794.88	0	22282.19
6	Pavagada	452.25	1651.9	1875.75	16985.9	2.67	20968.47
7	Sira	14945	2391.55	1752.00	24714.26	15.17	43817.98
8	Tiptur	2302.76	1406.57	4629.18	38130.91	0	46469.42
9	Tumakuru	10322.06	1376.88	6797.61	34262.35	0	52758.89
10	Turvakere	13229.1	135.12	6125.21	22701.23	0	42190.66
<b>District Total</b>		<b>73096.37</b>	<b>14419.56</b>	<b>57386.20</b>	<b>263953.97</b>	<b>53.87</b>	<b>408909.97</b>

It can be seen from Table 5.16 that the irrigation potential created under micro irrigation (Per Drop More Crop) is the highest i.e., 2,63, 954 ha followed by AIBP component with 73096 ha. Most of the activities suggested under Convergence with MGNREGA are PRED activities related to creation of water harvesting structures such as field bunds, percolation tanks, renovation of fish ponds/ Gokatte, etc. and bore well recharge points. The total irrigation potential envisaged for Tumakuru district is 408910 ha. The same is depicted in Fig 5.23

**Fig. 5.23: Taluk-wise Irrigation Potential Created in Tumakuru District**



It can be seen from Table 5.17 that Component AIBP shares the maximum budget of Rs. 526086 lakh followed by Har Khet Ko Pani with Rs.210082 lakh and PMKSY with Rs. 156290 lakh. Activities /prohrammes proposed with the convergence of MGNREGA would cost Rs. 138407 lakh. Thus the total cost of att the components of PMKSY-DIP is estimated at Rs. 10700.64 crore for Tumakurudistrict.

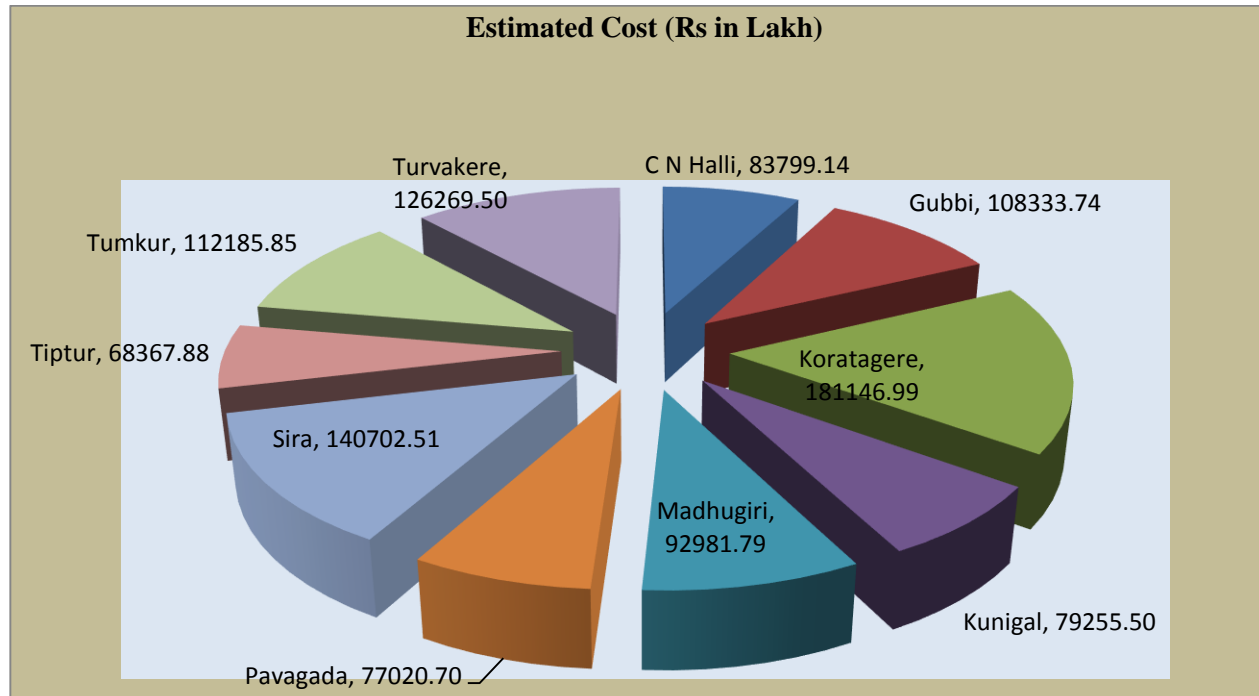
**Table 5.17: District Abstract- Estimated Cost (Budget) - by Component for Taluks in Tumakuru District**

**Rs in Lakh**

<b>Sl. No</b>	<b>Component</b>	<b>AIBP</b>	<b>Convergence with MGNREGA</b>	<b>HKKP</b>	<b>PDMC</b>	<b>PMKSY-WS</b>	<b>TOTAL</b>
<b>1</b>	C N Halli	46762.91	14176.15	1410.00	4340.07	17110.02	83799.14
<b>2</b>	Gubbi	12614.09	13179.28	55354.82	6318.14	20867.42	108333.74
<b>3</b>	Koratagere	148032.35	12511.38	7780.00	1905.69	10917.57	181146.99
<b>4</b>	Kunigal	11269.22	16620.21	33294.00	2923.79	15148.29	79255.50
<b>5</b>	Madhugiri	52863.70	13847.85	7039.00	2674.94	16556.30	92981.79
<b>6</b>	Pavagada	45999.90	12250.87	2757.00	3900.28	12112.65	77020.70
<b>7</b>	Sira	89820.00	18699.58	2670.00	4014.76	25498.16	140702.51
<b>8</b>	Tiptur	19889.86	17343.96	14943.04	4826.41	11364.60	68367.88
<b>9</b>	Tumakuru	70001.06	11697.25	16433.28	4211.35	9842.92	112185.85
<b>10</b>	Turvakere	28833.07	8080.29	68401.13	4082.89	16872.11	126269.50
	<b>District</b>	<b>526086.15</b>	<b>138406.81</b>	<b>210082.26</b>	<b>39198.32</b>	<b>156290.05</b>	<b>1070063.60</b>



**Fig. 5.24: Taluk-wise Estimated Cost (Budget) For DIP in Tumakuru District**



**Table 5.18: District Abstract-Taluk-wise, Year-wise Budget**

Rs in Lakh

Sl. No	Taluk	Years					Total
		2016-17	2017-18	2018-19	2019-20	2020-21	
1	C N Halli	16759.83	16759.83	16759.83	16759.83	16759.83	83799.14
2	Gubbi	21666.75	21666.75	21666.75	21666.75	21666.74	108333.74
3	Koratagere	36173.40	36700.06	36700.07	36250.06	35323.40	181146.99
4	Kunigal	15851.10	15851.10	15851.10	15851.10	15851.10	79255.50
5	Madhugiri	18596.36	18596.36	18596.36	18596.36	18596.36	92981.79
6	Pavagada	15404.14	15404.14	15404.14	15404.14	15404.14	77020.70
7	Sira	28140.50	28140.50	28140.50	28140.50	28140.50	140702.51
8	Tiptur	13524.90	13848.24	13848.24	13734.91	13411.58	68367.88
9	Tumakuru	21947.17	22763.84	22763.84	22763.84	21947.17	112185.85
10	Turvakere	22958.10	25827.85	25827.85	25827.85	25827.85	126269.50
<b>District Total</b>		<b>211022.25</b>	<b>215558.67</b>	<b>215558.67</b>	<b>214995.34</b>	<b>212928.67</b>	<b>1070063.60</b>

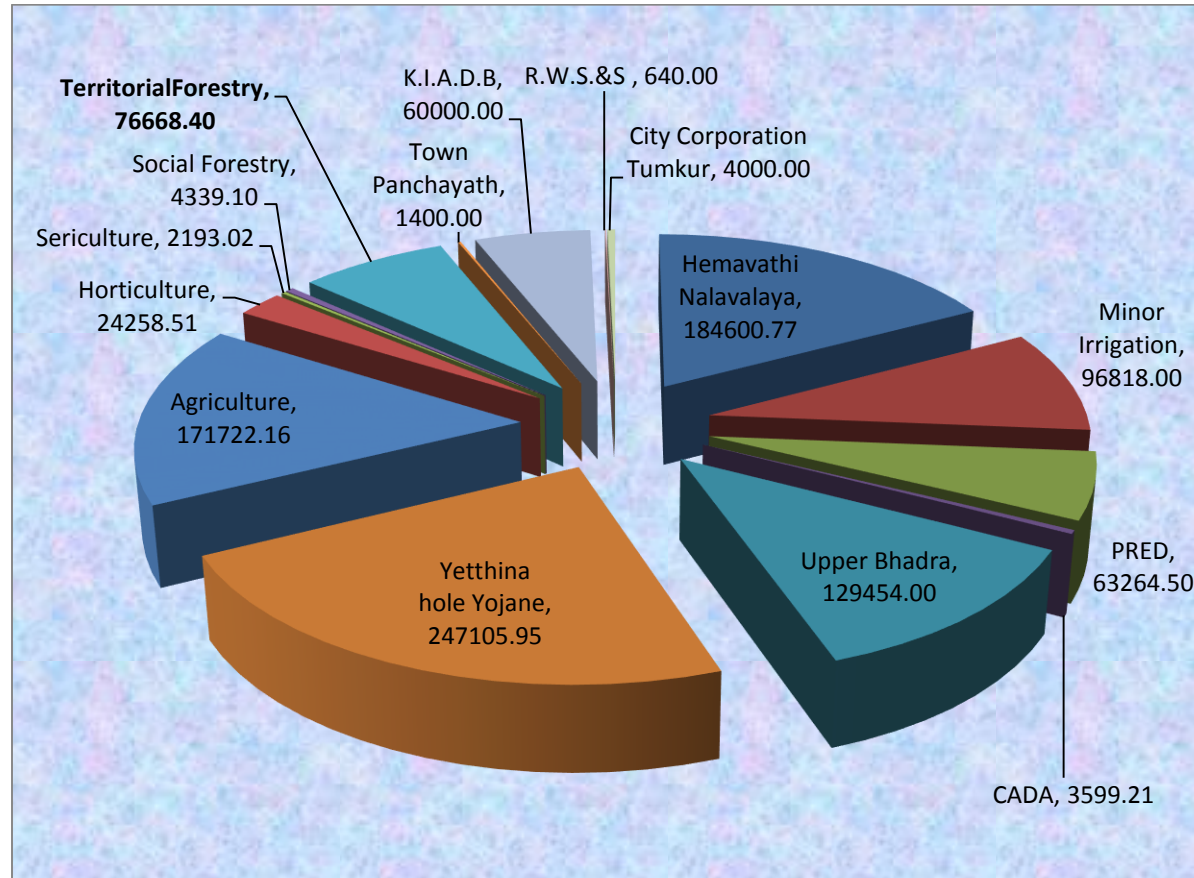
**Table 5.19: District Abatract- Taluk-wise, Depatment-wise Budget**

**Rs in Lakh**

Department	Chikkanayakana Halli	Gubbi	Koratagere	Kunigal	Madhugiri	Pavagada	Sira	Tiptur	Tumakuru	Turuvekere	District Total
Hemavathi Nalavalaya	0.00	49919.82	2550.00	31736.00	0.00	0.00	0.00	12863.04	10246.78	77285.13	184600.77
Minor Irrigation	3379.00	8063.00	16230.00	7760.00	13949.00	3762.00	11290.00	3800.00	10565.00	18020.00	96818.00
PRED	8260.00	3824.00	3322.00	11161.00	8820.00	3904.00	8556.00	8402.00	3645.50	3370.00	63264.50
CADA	0.00	331.04	0.00	1308.22	0.00	0.00	0.00	1036.59	69.29	854.07	3599.21
Upper Bhadra	26125.00	0.00	0.00	0.00	0.00	22129.00	81200.00	0.00	0.00	0.00	129454.00
Yetthina hole Yojane	18668.91	5810.05	137032.35	0.00	45353.70	22865.90	0.00	16193.27	1181.77	0.00	247105.95
Agriculture	14518.37	26083.69	13037.95	17471.68	14883.49	13143.15	27312.29	14720.49	11649.97	18901.08	171722.16
Horticulture	2752.33	4718.45	676.79	1278.67	867.87	2609.37	2025.18	3195.13	2635.06	3499.66	24258.51
Sericulture	78.08	42.94	197.15	439.19	406.98	506.53	301.58	56.61	91.74	72.22	2193.02
Social Forestry	433.91	433.91	433.91	433.91	433.91	433.91	433.91	433.91	433.91	433.91	4339.10
TerritorialForestry	9583.55	7666.84	7666.84	7666.84	7666.84	7666.84	9583.55	7666.84	7666.84	3833.42	76668.40
Town Panchayath	0.00	800.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	1400.00
K.I.A.D.B	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60000.00	0.00	60000.00
R.W.S.&S	0.00	640.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	640.00
City Corporation Tumakuru	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4000.00	0.00	4000.00
<b>Total</b>	<b>83799.15</b>	<b>108333.74</b>	<b>181146.99</b>	<b>79255.51</b>	<b>92981.79</b>	<b>77020.70</b>	<b>140702.51</b>	<b>68367.88</b>	<b>112185.86</b>	<b>126269.49</b>	<b>1070063.60</b>

**Fig. 5.25: Estimated Cost (Budget) of DIP –Department-wise**

**Rs in Lakh**



## CONCLUSIONS

- The district is situated between 12°.45" and 14°.20" North latitude and between 76°20" and 77° 31" East longitude. Tumakuru district is the third largest in geographical area in the state and occupying about 10,598 km<sup>2</sup>. This district is surrounded by Bangalore, Mandya, Hassan, Chitradurga, Kolar districts and the state of Andhra Pradesh
- Tumakuru consists chiefly of elevated land intersected by river valleys. A range of hills rising to nearly 4,000 feet (1,200 m) crosses it from north to south, forming the watershed between the systems of the Krishna and the Kaveri. The principal streams are the Jayamangala and the Shimsha.
- Tumakuru district comprises of 3 Agro climatic zones, viz., (1.) Central dry zone- covering Pavagada, Madhugiri, Koratagere, Sira, Chikkanayakanahally and Tiptur taluks. (2.) Eastern dry zone- covering Tumakuru and Gubbi taluks and (3.) Southern dry zone covers Kunigal and Turuvekere taluk.
- Although the district has 3 Agro-climatic zones but the soil and rainfall characteristics remain almost similar with minor differences in respect of land-slope. All the taluks have Alfisols with shallow depth and red sandy soils
- Soils are moderately eroded, shallow in depth .and well drained to excessively drained. 43 percent of the area is red clay, 20 percent is red gravelly loam, 13 percent soil is red gravelly clay and 12 percent is loamy alluvial
- Over 18 percent of annual rainfall occurs during the pre monsoon season. The monsoon season is from June to September. This season yields around 52 percent of the annual rainfall. The post monsoon period from October to December may be contributes around 30 percent of annual rainfall. On an average, annually over 743 mm rainfall occurs in nearly 46 rainy days.
- Tumakuru district is one of the most drought prone districts of the State. The total net irrigated area is 2.54 lakh ha. and the gross irrigated area is 3.349 lakh ha.
- Different sources of irrigation are from Hemavathy Canal - 90804 ha, Canals including Minor irrigation tanks under Hemavathy 22179.66 ha, and Upper Bhadra -19215 ha.
- Minor irrigation Tanks irrigates 36796.48 ha, Panchayat Raj Engineering Division Tanks -16269.04 ha, from bore wells -148776 ha & from open wells -940 ha.
- The major source of irrigation in the district is bore-wells. The total number of bore-wells in the district are 2.23 lakh which provides irrigation for 1.48 lakh ha. Maximum

number of bore-wells are located in Gubbi (36002) followed by Tumakuru (30303) and Sira 23893. The lowest number of bore wells are in Koraratgere taluk 12753 .

- The other sources of irrigation are open wells and tanks. There are 1530 tanks which were built during the erstwhile Maharajas of Mysore provides irrigation to 53065 ha.
- Most of these tanks need rejuvenation through de-silting, strengthening of tank bunds, clearing encroachment of feeder channels, repairs to sluice gates, waste-weir, and adoption of micro-irrigation system in the tank command area. Through these measures, the potential of irrigation through tanks can be enhanced by 4 to 5 times.
- In view of continuous drought, recharging of bore-wells and open wells does not take place. Hence, the depth of bore-wells have gone to 800 to 1000 feet. Further, the quality of water in these deep water is unfit for drinking owing to high fluoride content and also irrigation due to high salt content
- As per the central ground water board notification, in blocks viz., C.N. Halli, Koratagere and Madhugiri, ground water is over exploited and Pavagada block the ground water level is critical. In remaining taluks, the ground water level is safe.
- The effort should be made to encourage water conservation structures to enhance the underground recharge and rejuvenating tanks/lakes by desilting and other means to hold more in tanks/lakes, etc.
- Harvesting rain water in structures like farm ponds, check dams, tanks, barrages, bandharas etc is an essential feature of planning for these areas. Similarly, for exploited regions in respect of groundwater recharging through bore well recharging and other water bodies is also equally essential.
- The plan envisages creation of irrigation potential of 408910 ha in Tumakuru district in the next five years.
- A budgetary provision of Rs 1070063.60 lakhs is necessary to achieve this development.

## APPENDICES

### 2.2a: Area, Production and Productivity of major Crops by Irrigation Status and Season

<b>Name of the Block : C N Halli</b>												
Season	Rainfed					Irrigated				Total		
	Total Area in Ha	Rainfed area in Ha	Production (qtn/yr)	Productivity or Yield (Kgs/ha)	Cost of Cultivation (Rs./ha)	Irrigated Area in Ha	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)
A. Kharif	38202	38032	441461	1160.76		170	4460	2623.588		445921	2472.556	0
B. Rabi	620	620	3559	574.032		0	0	0		3559	574.032	0
C. Summer	175	0	0	0	0	175	4002	2286.571		4002	1143.285	0
D.Sericulture						94.45	254.3	269.2		254.3	134.6	0
E. Horticultural & plantation	29996	8306.0	292787.6	3525	9840.6	21689.9	156272.8	11244.02		449060.4	9147.014	4920.3
<b>Total</b>	<b>68993</b>	<b>46958.0</b>	<b>737807.6</b>	<b>5259.8</b>	<b>9840.6</b>	<b>22129.41</b>	<b>164989.13</b>	<b>16423.4</b>	<b>0</b>	<b>902796.73</b>	<b>13471.5</b>	<b>4920.3</b>

**Name of the Block : Gubbi**

Season	Rainfed					Irrigated				Total		
	Total Area in Ha	Rainfed area in Ha	Production (qt/yr)	Productivity or Yield (Kgs/ha)	Cost of Cultivation (Rs./ha)	Irrigated Area in Ha	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)
A. Kharif	40535	38170	573242	1501.81		2365	58485	2472.9		631727	2738.27	0
B. Rabi	880	760	3119	410.34		120	2301	1917.5		5420	1369.09	0
C. Summer	1680	0	0	0		1680	39046	2324.167		39046	1162.08	0
D.Sericulture						53.70	287.0	534.5				0
E. Horticultural & plantation	45324	10616.8	472828.8	4453.59	9840.60	34707.19	1119684.4	17427.24		1592513	13167.21	4920.30
<b>Total</b>	<b>88419</b>	<b>49546.8</b>	<b>1049189.9</b>	<b>6365.7</b>	<b>9840.6</b>	<b>38925.9</b>	<b>1219803.4</b>	<b>24676.3</b>	<b>0</b>	<b>2268706.2</b>	<b>18436.7</b>	<b>4920.3</b>



Name of the Block : Koratagere												
Season	Rainfed					Irrigated				Total		
	Total Area in Ha	Rainfed area in Ha	Production (qtn/yr)	Productivity or Yield (Kgs/ha)	Cost of Cultivation (Rs./ha)	Irrigated Area in Ha	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)
A. Kharif	33345	28985	666245	2298.6		4360	130054	2982.88		796299	3790.03	0
B. Rabi	445	355	2129	599.7		90	2024	2248.67		4153	1724.04	0
C. Summer	465	75	2693	3590		465	10567	2709.46		13260	4944.73	0
D.Sericulture						343.75	3380.31	983.3				0
E. Horticultural & plantation	6571	1531.9	45466.07	2967.9		5039.11	355403.36	12743.38		400869.43	9339.66	0.00
<b>Total</b>	<b>40826</b>	<b>30946.9</b>	<b>716533.1</b>	<b>9456.26</b>	<b>0</b>	<b>10297.86</b>	<b>501428.67</b>	<b>21667.69</b>	<b>0</b>	<b>1214581.4</b>	<b>19798.45</b>	<b>0</b>

Name of the Block : Kunigal												
Season	Rainfed					Irrigated				Total		
	Total Area in Ha	Rainfed area in Ha	Production (qtn/yr)	Productivity or Yield (Kgs/ha)	Cost of Cultivation (Rs./ha)	Irrigated Area in Ha	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)
A. Kharif	45311	36019	570385	1583.57		9292	254256	2736.29		824641	2951.71	0
B. Rabi	774	694	4718	679.77		80	1550	1550		6268	1454.77	0
C. Summer	1355	0	0	0		1355	42985	3172.31		42985	1586.15	0
D.Sericulture						888.78	7061.95	792.8				0
E. Horticultural & plantation	11814	2907.8	99920.67	3436.24		8906.15	323404.34	11673.76		423325.01	9273.12	0
<b>Total</b>	<b>59254</b>	<b>39620.8</b>	<b>675023.7</b>	<b>5699.57</b>	<b>0</b>	<b>20521.93</b>	<b>629257.29</b>	<b>19925.16</b>	<b>0</b>	<b>1297219.0</b>	<b>15265.75</b>	<b>0</b>

Name of the Block : Madhugiri												
Season	Rainfed					Irrigated				Total		
	Total Area in Ha	Rainfed area in Ha	Production (qtn/yr)	Productivity or Yield (Kgs/ha)	Cost of Cultivation (Rs./ha)	Irrigated Area in Ha	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)
A. Kharif	44727	39227	469875	1197.83		5500	121962	2217.48		591837	2306.57	0
B. Rabi	1160	1050	6578	626.46		110	1990	1808.63		8568	1530.78	0
C. Summer	1145	75	1764	2352		1145	21620	1888.21		23384	3296.10	0
D.Sericulture						800.78	6394.51	798.5				0
E. Horticultural & plantation	5900	1306.4	50139.8	3838.05		4593.61	229602.02	13803.48		279741.80	10739.78	0
<b>Total</b>	<b>52932</b>	<b>41658.4</b>	<b>528356.8</b>	<b>8014.34</b>	<b>0</b>	<b>12149.39</b>	<b>381568.52</b>	<b>20516.31</b>	<b>0</b>	<b>903530.80</b>	<b>17873.25</b>	<b>0</b>

Name of the Block : Pavagada												
Season	Rainfed					Irrigated				Total		
	Total Area in Ha	Rainfed area in Ha	Production (qtn/yr)	Productivity or Yield (Kgs/ha)	Cost of Cultivation (Rs./ha)	Irrigated Area in Ha	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)
A. Kharif	73265	70515	176829	250.76		2750	59976	2180.92		236805	1341.23	0
B. Rabi	1670	1130	6402	566.54		540	10950	2027.81		17352	1580.44	0
C. Summer	1745	10	185	1850		1810	20314	1122.33		20499	2411.16	0
D.Sericulture						964.95	12554.31	1301				0
E. Horticultural & plantation	3648	626.91	24105.50	3845.13		3021.09	301794.58	12755.21		325900.09	10222.73	0
<b>Total</b>	<b>80328</b>	<b>72281.9</b>	<b>207521.5</b>	<b>6512.43</b>	<b>0</b>	<b>9086.04</b>	<b>405588.89</b>	<b>19387.28</b>	<b>0</b>	<b>600556.09</b>	<b>15555.57</b>	<b>0</b>

Name of the Block : Sira												
Season	Rainfed					Irrigated				Total		
	Total Area in Ha	Rainfed area in Ha	Production (qtn/yr)	Productivity or Yield (Kgs/ha)	Cost of Cultivation (Rs./ha)	Irrigated Area in Ha	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)
A. Kharif	73275	70265	540398	769.086		3010	67255	2234.38		607653	1886.27	0
B. Rabi	50	0	0	0		50	658.5	1317		658.5	658.5	0
C. Summer	150	10	181	1810		150	2163	1441.93		2344	2530.96	0
D.Sericulture						522.32	5796.69	1109.7				0
E. Horticultural & plantation	18154	3491.27	218539.5	6259.59		14662.72	717494.53	18387.24		936034.00	15453.20	0
<b>Total</b>	<b>91629</b>	<b>73766.3</b>	<b>759118.5</b>	<b>8838.67</b>		<b>18395.04</b>	<b>793367.72</b>	<b>24490.25</b>	<b>0</b>	<b>1546689.5</b>	<b>20528.95</b>	<b>0</b>

Name of the Block : Tiptur												
Season	Rainfed					Irrigated				Total		
	Total Area in Ha	Rainfed area in Ha	Production (qtn/yr)	Productivity or Yield (Kgs/ha)	Cost of Cultivation (Rs./ha)	Irrigated Area in Ha	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)
A. Kharif	28770	28360	390318	1376.297		410	13631	3324.512		403949	3038.55	0
B. Rabi	290	290	1864	642.759		0	0	0		1864	642.75	0
C. Summer	1220	10	272	2719		1220	37163	3071.32		37435	4254.66	0
D.Sericulture						75.32	427.21	567.1				0
E. Horticultural & plantation	33174	9703.04	434062.7	4473.47		23470.96	372019.93	13691.82		806082.66	11319.38	0
<b>Total</b>	<b>63454</b>	<b>38363.0</b>	<b>826516.7</b>	<b>9211.52</b>	<b>0</b>	<b>25176.27</b>	<b>423241.14</b>	<b>20654.75</b>	<b>0</b>	<b>1249330.6</b>	<b>19255.35</b>	<b>0</b>

Name of the Block : Tumkur												
Season	Rainfed					Irrigated				Total		
	Total Area in Ha	Rainfed area in Ha	Production (qtn/yr)	Productivity or Yield (Kgs/ha)	Cost of Cultivation (Rs./ha)	Irrigated Area in Ha	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)
A. Kharif	37955	35030	664860	1897.973		2925	84204	2880.47		749064	3338.20	0
B. Rabi	490	370	2941	794.86		120	2559	2132.08		5500	1860.90	0
C. Summer	200	0	0	0		210	5095	2426.04		5095	1213.02	0
D.Sericulture						126.78	894.51	705.5				0
E. Horticultural & plantation	24670	5218.41	152884.3	2929.71		19451.58	834347.12	12254		987231.41	9056.70	0
<b>Total</b>	<b>63315</b>	<b>40618.4</b>	<b>820685.3</b>	<b>5622.54</b>	<b>0</b>	<b>22833.36</b>	<b>927099.62</b>	<b>20398.10</b>	<b>0</b>	<b>1746890.4</b>	<b>15468.84</b>	<b>0</b>

Name of the Block : Turuvekere												
Season	Rainfed					Irrigated				Total		
	Area in Ha	Rainfed area in Ha	Production (qtn/yr)	Productivity or Yield (Kgs/ha)	Cost of Cultivation (Rs./ha)	Irrigated Area in Ha	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)
A. Kharif	25350	24350	338642	1390.72		1000	31110	3111.00		369752	2946.22	0
B. Rabi	750	700	5798	828.21		50	1470	2940		7268	2298.21	0
C. Summer	1620	0	0	0		1630	57977	3556.86		57977	1778.43	0
D.Sericulture						87.25	508.39	582.6		508.39	291.3	0
E. Horticultural & plantation	35643	9956.46	273217.2	2744.12		25686.53	361293.54	10997.88		634510.73	8243.05	0
<b>Total</b>	<b>63363</b>	<b>35006.4</b>	<b>617657.2</b>	<b>4963.05</b>	<b>0</b>	<b>28453.78</b>	<b>452358.92</b>	<b>21188.34</b>	<b>0</b>	<b>1070016.1</b>	<b>15557.23</b>	<b>0</b>



Name of the Block : Tumkur District												
Season	Rainfed					Irrigated Area in Ha	Irrigated			Total		
	Total Area in Ha	Rainfed area in Ha	Production (qtn/yr)	Productivity or Yield (Kgs/ha)	Cost of Cultivation (Rs./ha)		Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)	Production (qtn /yr)	Productivity (Kgs/ha)	Cost of Cultivation (Rs./ha)
A. Kharif	440735	408953	4832255	13427.41		31782	825393	26764.45		5657648	26809.64	0
B. Rabi	7129	5969	37108	5722.69		1160	23502.5	15941.70		60610.5	13693.54	0
C. Summer	9755	180	5095	12321		9840	240932	23999.21		246027	24320.60	0
D.Sericulture				0		3958.08	37559.21	7644.2		762.69	3822.1	0
E. Horticultural & plantation	214894	53665	2063952.2	38472.85		161228.9	4771316.6	134978.04		6835268.8	105961.87	0
<b>Total</b>	<b>672513</b>	<b>468767.1</b>	<b>6938410.2</b>	<b>69943.96</b>		<b>207969</b>	<b>5898703.3</b>	<b>209327.61</b>	<b>0</b>	<b>12800317.0</b>	<b>174607.77</b>	<b>0</b>

**2.2b: Revised Crop-wise Area, Production and Yield of Major Crops – Kharif Season for 2015-16**

Area in ha, Production in quintals, Productivity Kg/ha

Sl. No	Crops	C.N.Hally						Gubbi					
		Irrigated	Productivity	Production	Rain fed	Productivity	Production	Irrigated	Productivity	Production	Rain fed	Productivity	Production
1	Rice	150	2571	3857	0	0	0	2100	2576.00	54096	80	616	493
2	Jowar	0	0	0	10	1051	105	0	0	0	50	994	497
3	Ragi	20	3018	604	25500	1466.00	373830	100	2345	2345	28500	1798.00	512430
4	Maize	0	0	0	2	2602	52	5	2891	145	50	2602	1301
6	M.Millets	0	0	0	1750	462	8076	0	0	0	100	465	465
<b>I</b>	<b>Total Cereals:</b>	<b>170</b>	<b>5589</b>	<b>4460</b>	<b>27262</b>	<b>5581</b>	<b>382063</b>	<b>2205</b>	<b>7812</b>	<b>56586</b>	<b>28780</b>	<b>6475</b>	<b>515186</b>
1	Redgram	0	0	0	1250	289.00	3613	100	530	530	1900	191	3629
2	Avare	0	0	0	1800	1461	26298	50	2585	1293	2750	1308	35970
3	Blackgram	0	0	0	300	149	447	0	0	0	200	214	428
4	Horse gram	0	0	0	1000	644.00	6440	0	0	0	1000	422.00	4220
5	Cowpea & other	0	0	0	500	382	1910	0	0	0	1000	406	4060
6	Green Gram	0	0	0	4500	356.00	16020	0	0	0	1100	242.00	2662
<b>II</b>	<b>Total Pulses:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9350</b>	<b>3281</b>	<b>54728</b>	<b>150</b>	<b>3115</b>	<b>1823</b>	<b>7950</b>	<b>2783</b>	<b>50969</b>
	<b>Total Foodgrains:</b>	<b>170</b>	<b>5589</b>	<b>4460</b>	<b>36612</b>	<b>8862</b>	<b>436791</b>	<b>2355</b>	<b>10927</b>	<b>58408</b>	<b>36730</b>	<b>9258</b>	<b>566155</b>

1	Groundnut	0	0	0	100	668	668	10	765	77	200	971	1942
2	Sesamum	0	0	0	250	110	275	0	0	0	50	380	190
3	Sunflower	0	0	0	20	823	165	0	0	0	200	528	1056
4	Castor	0	0	0	750	429.00	3218	0	0	0	400	709	2836
5	Niger	0	0	0	150	125	188	0	0	0	450	188	846
6	Mustard	0	0	0	150	105	158	0	0	0	140	155	217
7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1420</b>	<b>2260</b>	<b>4670</b>	<b>10</b>	<b>765</b>	<b>77</b>	<b>1440</b>	<b>2931</b>	<b>7087</b>
<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	0	0	0	0	0	0	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0	0	0	0	0	0	0
3	Tobacco	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>170</b>	<b>5589</b>	<b>4460</b>	<b>38032</b>	<b>11122</b>	<b>441461</b>	<b>2365</b>	<b>11692</b>	<b>58485</b>	<b>38170</b>	<b>12189</b>	<b>573242</b>

Sl. No	Crops	Kunigal						Tiptur					
		Irrigated	Productivity	Production	Rain fed	Productivity	Production	Irrigated	Productivity	Production	Rain fed	Productivity	Production
1	Rice	8300	2994.00	248502	42	616	259	400	3349.00	13396	0	0	0
2	Jowar	0	0	0	0	0	0	0	0	0	450	778	3501
3	Ragi	70	2519.00	1763	27100	1936.00	524656	10	2345	235	20500	1693.00	347065
4	Maize	50	2891	1446	15	2602	390	0	0	0	40	2602	1041
6	M.Millets	0	0	0	0	0	0	0	0	0	150	546	819
<b>I</b>	<b>Total Cereals:</b>	<b>8420</b>	<b>8404</b>	<b>251711</b>	<b>27157</b>	<b>5154</b>	<b>525305</b>	<b>410</b>	<b>5694</b>	<b>13631</b>	<b>21140</b>	<b>5619</b>	<b>352426</b>
1	Redgram	0	0	0	1000	290	2900	0	0	0	1000	222	2220
2	Avare	0	0	0	1850	731	13524	0	0	0	900	757	6813
3	Blackgram	0	0	0	220	308.00	678	0	0	0	500	285	1425
4	Horse gram	0	0	0	1325	726.00	9620	0	0	0	1100	1172.00	12892
5	Cowpea & other	0	0	0	1015	404	4101	0	0	0	600	515	3090
6	Green Gram	0	0	0	2155	448.00	9654	0	0	0	2500	310.00	7750
<b>II</b>	<b>Total Pulses:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7565</b>	<b>2907</b>	<b>40476</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6600</b>	<b>3261</b>	<b>34190</b>
	<b>Total Foodgrains</b>	<b>8420</b>	<b>8404</b>	<b>251711</b>	<b>34722</b>	<b>8061</b>	<b>565781</b>	<b>410</b>	<b>5694</b>	<b>13631</b>	<b>27740</b>	<b>8880</b>	<b>386616</b>

1	Groundnut	222	845	1876	260	755	1963	0	0	0	0	0	0
2	Sesamum	0	0	0	340	105.00	357	0	0	0	100	115	115
3	Sunflower	0	0	0	0	0	0	0	0	0	0	0	0
4	Castor	0	0	0	192	709	1361	0	0	0	400	848.00	3392
5	Niger	0	0	0	260	195	507	0	0	0	100	165	165
6	Mustard	0	0	0	245	170	417	0	0	0	20	150	30
7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>222</b>	<b>845</b>	<b>1876</b>	<b>1297</b>	<b>1934</b>	<b>4605</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>620</b>	<b>1278</b>	<b>3702</b>
<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	0	0	0	0	0	0	0	0	0	0	0	0
2	Sugarcane	650	103	670	0	0	0	0	0	0	0	0	0
3	Tobacco	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total Com.Crops</b>	<b>650</b>	<b>103</b>	<b>670</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>9292</b>	<b>9352</b>	<b>254256</b>	<b>36019</b>	<b>9995</b>	<b>570385</b>	<b>410</b>	<b>5694</b>	<b>13631</b>	<b>28360</b>	<b>10158</b>	<b>390318</b>

Sl. No	Crops	Turuvekere						Koratagere					
		Irrigated	Productivity	Production	Rain fed	Productivity	Production	Irrigated	Productivity	Production	Rain fed	Productivity	Production
1	Rice	1000	3111.00	31110	0	0	0	600	2841.00	17046	60	1605	963
2	Jowar	0	0	0	50	994	497	0	0	0	30	994	298
3	Ragi	0	0	0	17500	1744.	305200	950	2605.00	24748	9850	1700.0	167450
4	Maize	0	0	0	0	0	0	2500	3394.00	84850	14000	3209.0	449260
6	M.Millet	0	0	0	0	0	0	0	0	0	30	465	140
<b>I</b>	<b>Total Cereals:</b>	<b>1000</b>	<b>3111</b>	<b>31110</b>	<b>17550</b>	<b>2738</b>	<b>305697</b>	<b>4050</b>	<b>8840</b>	<b>126644</b>	<b>23970</b>	<b>7973</b>	<b>618111</b>
1	Redgram	0	0	0	750	290	2175	80	605	484	250	654	1635
2	Avare	0	0	0	500	954.0	4770	0	0	0	180	279	502
3	Blackgram	0	0	0	50	245	123	0	0	0	0	0	0
4	Horse gram	0	0	0	1000	655.0	6550	0	0	0	500	726.00	3630
5	Cowpea & other	0	0	0	750	530	3975	0	0	0	200	1273	2546
6	Green Gram	0	0	0	2500	370.0	9250	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5550</b>	<b>3044</b>	<b>26843</b>	<b>80</b>	<b>605</b>	<b>484</b>	<b>1130</b>	<b>2932</b>	<b>8313</b>
	<b>Total Foodgrains</b>	<b>1000</b>	<b>3111</b>	<b>31110</b>	<b>23100</b>	<b>5782</b>	<b>332540</b>	<b>4130</b>	<b>9445</b>	<b>127128</b>	<b>25100</b>	<b>10905</b>	<b>626424</b>

1	Groundnut	0	0	0	0	0	0	150	1090	1635	3500	1066.00	37310
2	Sesamum	0	0	0	100	125	125	0	0	0	20	135	27
3	Sunflower	0	0	0	0	0	0	80	1614	1291	120	823	988
4	Castor	0	0	0	750	709.0 0	5318	0	0	0	200	709	1418
5	Niger	0	0	0	200	175	350	0	0	0	30	185	56
6	Mustard	0	0	0	200	155	310	0	0	0	15	155	23
7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1250</b>	<b>1164</b>	<b>6103</b>	<b>230</b>	<b>2704</b>	<b>2926</b>	<b>3885</b>	<b>3073</b>	<b>39821</b>
<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	0	0	0	0	0	0	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0	0	0	0	0	0	0
3	Tobacco	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total Com.Crops</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>1000</b>	<b>3111</b>	<b>31110</b>	<b>24350</b>	<b>6946</b>	<b>338642</b>	<b>4360</b>	<b>12149</b>	<b>130054</b>	<b>28985</b>	<b>13978</b>	<b>666245</b>

Sl. No	Crops	Madhugiri						Pavagada					
		Irrigated	Productivity	Production	Rain fed	Productivity	Production	Irrigated	Productivity	Production	Rain fed	Productivity	Production
1	Rice	1200	2791.00	33492	0	0	0	900	2981.0	26829	0	0	0
2	Jowar	0	0	0	100	1074	1074	0	0	0	100	826	826
3	Ragi	1000	2130.00	21300	4000	1525.0	61000	800	2105.0	16840	0	0	0
4	Maize	2250	2585.00	58163	11650	2203.0	256650	350	3219.0	11267	100	2602	2602
6	M.Millets	0	0	0	200	465	930	0	0	0	180	465	837
<b>I</b>	<b>Total Cereals:</b>	<b>4450</b>	<b>7506</b>	<b>112955</b>	<b>15950</b>	<b>5267</b>	<b>319654</b>	<b>2050</b>	<b>8305</b>	<b>54936</b>	<b>380</b>	<b>3893</b>	<b>4265</b>
1	Redgram	0	0	0	1700	320.00	5440	0	0	0	5000	386.00	19300
2	Avare	0	0	0	800	392	3136	0	0	0	50	453	227
3	Blackgram	0	0	0	0	0	0	0	0	0	0	0	0
4	Horse gram	0	0	0	4000	293.00	11720	0	0	0	1000	388.00	3880
5	Cowpea & other	0	0	0	900	174	1566	0	0	0	200	181	362
6	Green Gram	0	0	0	50	332	166	0	0	0	50	332	166
<b>II</b>	<b>Total Pulses:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7450</b>	<b>1511</b>	<b>22028</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6300</b>	<b>1740</b>	<b>23935</b>
	<b>Total Foodgrains:</b>	<b>4450</b>	<b>7506</b>	<b>112955</b>	<b>23400</b>	<b>6778</b>	<b>341682</b>	<b>2050</b>	<b>8305</b>	<b>54936</b>	<b>6680</b>	<b>5633</b>	<b>28200</b>
1	Groundnut	1000	715	8200	15067	820.00	123549	200	725	1450	59935	198.00	118671



2	Sesamum	0	0	0	0	0	0	0	0	0	0	0	0
3	Sunflower	50	1614	807	100	823	823	500	718.00	3590	3550	774.00	27477
4	Castor	0	0	0	500	709	3545	0	0	0	350	709.00	2482
5	Niger	0	0	0	100	180	180	0	0	0	0	0	0
6	Mustard	0	0	0	60	160	96	0	0	0	0	0	0
7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>1050</b>	<b>2329</b>	<b>9007</b>	<b>15827</b>	<b>2692</b>	<b>128193</b>	<b>700</b>	<b>1443</b>	<b>5040</b>	<b>63835</b>	<b>1681</b>	<b>148630</b>
<b>IV</b>	<b>Comme. Crops:</b>												
1	Cotton	0	0	0	0	0	0	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0	0	0	0	0	0	0
3	Tobacco	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total Comr.Crop</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>5500</b>	<b>9835</b>	<b>121962</b>	<b>39227</b>	<b>9470</b>	<b>469875</b>	<b>2750</b>	<b>9748</b>	<b>59976</b>	<b>70515</b>	<b>7314</b>	<b>176829</b>

Sl. No	Crops	Sira						Tumkur					
		Irrigated	Productivity	Production	Rainfed	Productivity	Production	Irrigated	Productivity	Production	Rainfed	Productivity	Production
1	Rice	1000	3227.00	32270	60	616	370	2650	2902.00	76903	220	1705	3751
2	Jowar	0	0	0	850	994	8449	0	0	0	50	994	497
3	Ragi	900	2345.00	21105	7500	1286.00	96450	275	2673.00	7351	26875	2253.00	605494
4	Maize	200	2891	5782	50	2602.00	1301	0	0.00	0	0	0.00	0
6	M.Millets	0	0	0	870	361	3141	0	0	0	0	0	0
<b>I</b>	<b>Total Cereals:</b>	<b>2100</b>	<b>8463</b>	<b>59157</b>	<b>9330</b>	<b>5859</b>	<b>109710</b>	<b>2925</b>	<b>5575</b>	<b>84254</b>	<b>27145</b>	<b>4952</b>	<b>609742</b>
1	Redgram	0	0	0	7200	243.00	17496	0	0	0	1050	407	4274
2	Avare	0	0	0	500	2594	12970	0	0	0	2275	1009	22955
3	Blackgram	0	0	0	0	0	0	0	0	0	50	295	148
4	Horse gram	0	0	0	4000	517.00	20680	0	0	0	1500	642.00	9630
5	Cowpea & other	0	0	0	300	1570	4710	0	0	0	575	580	3335
6	Green Gram	0	0	0	150	332	498	0	0	0	195	332	647
<b>II</b>	<b>Total Pulses:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12150</b>	<b>5256</b>	<b>56354</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5645</b>	<b>3265</b>	<b>40988</b>
	<b>Total Foodgrains</b>	<b>2100</b>	<b>8463</b>	<b>59157</b>	<b>21480</b>	<b>11115</b>	<b>166064</b>	<b>2925</b>	<b>5575</b>	<b>84254</b>	<b>32790</b>	<b>8217</b>	<b>650730</b>

1	Groundnut	10	1070	107	47075	769.00	362007	0	0	0	1000	848.00	8480
2	Sesamum	0	0	0	0	0	0	0	0	0	25	190	48
3	Sunflower	200	1987.00	3974	1000	814.00	8140	0	0	0	150	823	1235
4	Castor	0	0	0	500	709	3545	0	0	0	470	709	3332
5	Niger	0	0	0	40	190	76	0	0	0	270	185	500
6	Mustard	0	0	0	20	168	34	0	0	0	325	165	536
7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>210</b>	<b>3057</b>	<b>4081</b>	<b>48635</b>	<b>2650</b>	<b>373801</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2240</b>	<b>2920</b>	<b>14130</b>
<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	650	618	4017	150	355	533	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0	0	0	0	0	0	0
3	Tobacco	50		0	0	0	0	0	0	0	0	0	0
	<b>Total Comr.Crops</b>	<b>700</b>	<b>618</b>	<b>4017</b>	<b>150</b>	<b>355</b>	<b>533</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>3010</b>	<b>12138</b>	<b>67255</b>	<b>70265</b>	<b>14120</b>	<b>540398</b>	<b>2925</b>	<b>5575</b>	<b>84254</b>	<b>35030</b>	<b>11137</b>	<b>664860</b>

Sl. No.	Crops	Tumkur District					
		Irrigated	Productivity	Production	Rainfed	Productivity	Production
1	Rice	18300	2934	537501	462	516	5835
2	Jowar	0	0	0	1690	870	15744
3	Ragi	4125	2209	96290	167325	1540	2993575
4	Maize	5355	1787	161651	25907	2102	712597
6	M.Millets	0	0	0	3280	323	14407
<b>I</b>	<b>Total Cereals:</b>	<b>27780</b>	<b>6930</b>	<b>795441</b>	<b>198664</b>	<b>5351</b>	<b>3742158</b>
1	Redgram	180	114	1014	21100	329	62681
2	Avare	50	259	1293	11605	994	127164
3	Blackgram	0	0	0	1320	150	3248
4	Horse gram	0	0	0	16425	619	89262
5	Cowpea & other	0	0	0	6040	602	29655
6	Green Gram	0	0	0	13200	305	46814
<b>II</b>	<b>Total Pulses:</b>	<b>230</b>	<b>372</b>	<b>2307</b>	<b>69690</b>	<b>2998</b>	<b>358822</b>
	<b>Total Foodgrains:</b>	<b>28010</b>	<b>7302</b>	<b>797748</b>	<b>268354</b>	<b>8349</b>	<b>4100981</b>

1	Groundnut	1592	521	13344	127137	610	654590
2	Sesamum	0	0	0	885	116	1137
3	Sunflower	830	593	9662	5140	541	39883
4	Castor	0	0	0	4512	695	30446
5	Niger	0	0	0	1600	159	2867
6	Mustard	0	0	0	1175	138	1820
7	Soyabean	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>2422</b>	<b>1114</b>	<b>23007</b>	<b>140449</b>	<b>2258</b>	<b>730742</b>
<b>IV</b>	<b>Commercial Crops:</b>						
1	Cotton	650	618	4017	150	355	533
2	Sugarcane	650	103	670	0	0	0
3	Tobacco	50	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>1350</b>	<b>721</b>	<b>4687</b>	<b>150</b>	<b>355</b>	<b>533</b>
	<b>GRAND TOTAL</b>	<b>31782</b>	<b>9137</b>	<b>825441</b>	<b>408953</b>	<b>10962</b>	<b>4832256</b>

**2.2c: Season-Wise / Crop-Wise Area, Prodn. And Yield Of Major Agril. Crops For 2015-16- Rabi Season**

Sl. No	Crops	C.N.Hally						Gubbi					
		Irrigated	Productivity	Production	Rain fed	Productivity	Production	Irrigated	Productivity	Production	Rain fed	Productivity	Production
1	Rice	0	0	0	0	0	0	50	2940	1470	0	0	0
2	Jowar	0	0	0	90	850	765	50	1060	530	20	860	172
3	Ragi	0	0	0	0	0	0	20	1505	301	0	0	0
4	Maize	0	0	0	0	0	0	0	0	0	0	0	0
6	M.Millets	0	0	0	0	0	0	0	0	0	0	0	0
<b>I</b>	<b>Total Cereals:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>90</b>	<b>850</b>	<b>765</b>	<b>120</b>	<b>5505</b>	<b>2301</b>	<b>20</b>	<b>860</b>	<b>172</b>
1	Redgram	0	0	0	0	0	0	0	0	0	0	0	0
2	Avare	0	0	0	0	0	0	0	0	0	0	0	0
3	Bengal gram	0	0	0	250	605	1513	0	0	0	100	585	585
4	Horse gram	0	0	0	250	473	1183	0	0	0	590	374.00	2207
5	Cowpea & other	0	0	0	30	330	99	0	0	0	50	310	155
6	Green Gram	0	0	0	0	0	0	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>530</b>	<b>1408</b>	<b>2794</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>740</b>	<b>1269</b>	<b>2947</b>
	<b>Total Foodgrains:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>620</b>	<b>2258</b>	<b>3559</b>	<b>120</b>	<b>5505</b>	<b>2301</b>	<b>760</b>	<b>2129</b>	<b>3119</b>
1	Groundnut	0	0	0	0	0	0	0	0	0	0	0	0
2	Sesamum	0	0	0	0	0	0	0	0	0	0	0	0
3	Sunflower	0	0	0	0	0	0	0	0	0	0	0	0
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0	0	0	0	0	0	0
7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0

<b>II</b>	<b>Total Oilseeds:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>I</b>													
<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	0	0	0	0	0	0	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0	0	0	0	0	0	0
3	Tobacco	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>620</b>	<b>2258</b>	<b>3559</b>	<b>120</b>	<b>5505</b>	<b>2301</b>	<b>760</b>	<b>2129</b>	<b>3119</b>

Sl. No.	Crops	Kunigal						Tiptur					
		Irrigated	Productivity	Production	Rain fed	Productivity	Production	Irrigated	Productivity	Production	Rain fed	Productivity	Production
1	Rice	0	0	0	0	0	0	0	0	0	0	0	0
2	Jowar	0	0	0	0	0	0	0	0	0	40	1040	416
3	Ragi	80	1550	1240	0	0	0	0	0	0	0	0	0
4	Maize	0	0	0	0	0	0	0	0	0	0	0	0
6	M.Millets	0	0	0	0	0	0	0	0	0	0	0	0
<b>I</b>	<b>Total Cereals:</b>	<b>80</b>	<b>1550</b>	<b>1240</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>1040</b>	<b>416</b>
1	Redgram	0	0	0	0	0	0	0	0	0	0	0	0
2	Avare	0	0	0	0	0	0	0	0	0	0	0	0
3	Bengalgram	0	0	0	120	590	708	0	0	0	100	590	590
4	Horsegram	0	0	0	560	708	3965	0	0	0	150	572	858
5	Cowpea & other	0	0	0	14	320	45	0	0	0	0	0	0
6	Green Gram	0	0	0	0	0	0	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>694</b>	<b>1618</b>	<b>4718</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250</b>	<b>1162</b>	<b>1448</b>
	<b>Total Foodgrains:</b>	<b>80</b>	<b>1550</b>	<b>1240</b>	<b>694</b>	<b>1618</b>	<b>4718</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>290</b>	<b>2202</b>	<b>1864</b>
1	Groundnut	0	0	0	0	0	0	0	0	0	0	0	0
2	Sesamum	0	0	0	0	0	0	0	0	0	0	0	0
3	Sunflower	0	0	0	0	0	0	0	0	0	0	0	0
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0	0	0	0	0	0	0
7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	0		0	0	0	0	0	0	0	0	0	0
2	Sugarcane	0		0	0	0	0	0	0	0	0	0	0
3	Tobacco	0		0	0	0	0	0	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>80</b>	<b>1550</b>	<b>1240</b>	<b>694</b>	<b>1618</b>	<b>4718</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>290</b>	<b>2202</b>	<b>1864</b>

Sl. No.	Crops	Turuvekere						Koratagere					
		Irrigated	Productivity	Production	Rain fed	Productivity	Production	Irrigated	Productivity	Production	Rain fed	Productivity	Production
1	Rice	50	2940	1470	0	0	0	20	2940	588	0	0	0
2	Jowar	0	0	0	50	1020	510	0	0	0	30	1005	302
3	Ragi	0	0	0	100	1560	1560	0	0	0	0	0	0
4	Maize	0	0	0	0	0	0	60	2318	1391	0	0	0
6	M.Millets	0	0	0	50	485	243	0	0	0	0	0	0
<b>I</b>	<b>Total Cereals:</b>	<b>50</b>	<b>2940</b>	<b>1470</b>	<b>200</b>	<b>3065</b>	<b>2313</b>	<b>80</b>	<b>5258</b>	<b>1979</b>	<b>30</b>	<b>1005</b>	<b>302</b>
1	Redgram	0	0	0	0	0	0	0	0	0	0	0	0
2	Avare	0	0	0	0	0	0	0	0	0	20	385	77
3	Bengal gram	0	0	0	0	0	0	0	0	0	45	585	263
4	Horse gram	0	0	0	500	697	3485	0	0	0	260	572	1487
5	Cowpea & other	0	0	0	0	0	0	0	0	0	0	0	0
6	Green Gram	0	0	0	0	0	0	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500</b>	<b>697</b>	<b>3485</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>325</b>	<b>1542</b>	<b>1827</b>
	<b>Total Foodgrains:</b>	<b>50</b>	<b>2940</b>	<b>1470</b>	<b>700</b>	<b>3762</b>	<b>5798</b>	<b>80</b>	<b>5258</b>	<b>1979</b>	<b>355</b>	<b>2547</b>	<b>2129</b>
1	Groundnut	0	0	0	0	0	0	0	0	0	0	0	0
2	Sesamum	0	0	0	0	0	0	0	0	0	0	0	0
3	Sunflower	0	0	0	0	0	0	10	450	45	0	0	0
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0	0	0	0	0	0	0

7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>450</b>	<b>45</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	0	0	0	0	0	0	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0	0	0	0	0	0	0
3	Tobacco	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>50</b>	<b>2940</b>	<b>1470</b>	<b>700</b>	<b>3762</b>	<b>5798</b>	<b>90</b>	<b>5708</b>	<b>2024</b>	<b>355</b>	<b>2547</b>	<b>2129</b>

Sl. No.	Crops	Madhugiri						Pavagada					
		Irrigated	Productivity	Production	Rain fed	Productivity	Production	Irrigated	Productivity	Production	Rain fed	Productivity	Production
1	Rice	0	0	0	0	0	0	200	2940	5880	0	0	0
2	Jowar	0	0	0	150	955	1433	0	0	0	50	935	468
3	Ragi	50	1570	785	0	0	0	100	1575	1575	0	0	0
4	Maize	50	2318.00	1159	0	0	0	140	2318	3245	0	0	0
6	M.Millets	0	0	0	0	0	0	0	0	0	0	0	0
<b>I</b>	<b>Total Cereals:</b>	<b>100</b>	<b>3888</b>	<b>1944</b>	<b>150</b>	<b>955</b>	<b>1433</b>	<b>440</b>	<b>6833</b>	<b>10700</b>	<b>50</b>	<b>935</b>	<b>468</b>
1	Redgram	0	0	0	0	0	0	0	0	0	0	0	0
2	Avare	0	0	0	0	0	0	0	0	0	0	0	0
3	Bengal gram	0	0	0	500	585	2925	0	0	0	680	560	3808
4	Horse gram	0	0	0	370	572	2116	0	0	0	320	572	1830
5	Cowpea & other	0	0	0	20	330	66	0	0	0	20	325	65
6	Green Gram	0	0	0	0	0	0	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>890</b>	<b>1487</b>	<b>5107</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1020</b>	<b>1457</b>	<b>5703</b>
	<b>Total Foodgrains :</b>	<b>100</b>	<b>3888</b>	<b>1944</b>	<b>1040</b>	<b>2442</b>	<b>6540</b>	<b>440</b>	<b>6833</b>	<b>10700</b>	<b>1070</b>	<b>2392</b>	<b>6171</b>
1	Groundnut	0	0	0	0	0	0	0	0	0	0	0	0
2	Sesamum	0	0	0	0	0	0	0	0	0	0	0	0
3	Sunflower	10	455	46	10	380	38	0	0	0	60	385	231
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0	0	0	0	0	0	0

7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>10</b>	<b>455</b>	<b>46</b>	<b>10</b>	<b>380</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>385</b>	<b>231</b>
<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	0		0	0	0	0	100	250	250	0	0	0
2	Sugarcane	0		0	0	0	0	0	0	0	0	0	0
3	Tobacco	0		0	0	0	0	0	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>250</b>	<b>250</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>110</b>	<b>4343</b>	<b>1990</b>	<b>1050</b>	<b>2822</b>	<b>6578</b>	<b>540</b>	<b>7083</b>	<b>10950</b>	<b>1130</b>	<b>2777</b>	<b>6402</b>

Sl. No.	Crops	Sira						Tumkur					
		Irrigated	Productivity	Production	Rainfed	Productivity	Production	Irrigated	Productivity	Production	Rainfed	Productivity	Production
1	Rice	0	0	0	0	0	0	50	2940	1470	0	0	0
2	Jowar	0	0	0	0	0	0	0	0	0	50	980	490
3	Ragi	0	0	0	0	0	0	70	1555	1089	0	0	0
4	Maize	0	0	0	0	0	0	0	0	0	0	0	0
6	M.Millets	0	0	0	0	0	0	0	0	0	0	0	0
<b>I</b>	<b>Total Cereals:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120</b>	<b>4495</b>	<b>2559</b>	<b>50</b>	<b>980</b>	<b>490</b>
1	Redgram	0	0	0	0	0	0	0	0	0	0	0	0
2	Avare	0	0	0	0	0	0	0	0	0	0	0	0
3	Bengal gram	0	0	0	0	0	0	0	0	0	50	570	285
4	Horse gram	0	0	0	0	0	0	0	0	0	250	842	2105
5	Cowpea & other	0	0	0	0	0	0	0	0	0	20	305	61
6	Green Gram	0	0	0	0	0	0	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>320</b>	<b>1717</b>	<b>2451</b>
	<b>Total Foodgrains:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120</b>	<b>4495</b>	<b>2559</b>	<b>370</b>	<b>2697</b>	<b>2941</b>
1	Groundnut	0	0	0	0	0	0	0	0	0	0	0	0
2	Sesamum	0	0	0	0	0	0	0	0	0	0	0	0
3	Sunflower	0	0	0	0	0	0	0	0	0	0	0	0
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0	0	0	0	0	0	0
7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	0	0	0	0	0	0	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0	0	0	0	0	0	0
3	Tobacco	50	1317	659	0	0	0	0	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>50</b>	<b>1317</b>	<b>659</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>50</b>	<b>1317</b>	<b>659</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>120</b>	<b>4495</b>	<b>2559</b>	<b>370</b>	<b>2697</b>	<b>2941</b>

Sl. No.	Crops	District					
		Irrigated	Productivity	Production	Rainfed	Productivity	Production
1	Rice	370	14700	10878	0	0	0
2	Jowar	50	1060	530	480	7645	4555
3	Ragi	320	7755	4990	100	1560	1560
4	Maize	250	6954	5795	0	0	0
6	M.Millets	0	0	0	50	485	243
<b>I</b>	<b>Total Cereals:</b>	<b>990</b>	<b>30469</b>	<b>22193</b>	<b>630</b>	<b>9690</b>	<b>6357</b>
1	Redgram	0	0	0	0	0	0
2	Avare	0	0	0	20	385	77
3	Bengal gram	0	0	0	1845	4670	10677
4	Horse gram	0	0	0	3250	5382	19236
5	Cowpea & other	0	0	0	154	1920	491
6	Green Gram	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5269</b>	<b>12357</b>	<b>30480</b>
	<b>Total Foodgrains:</b>	<b>990</b>	<b>30469</b>	<b>22193</b>	<b>5899</b>	<b>22047</b>	<b>36837</b>
1	Groundnut	0	0	0	0	0	0
2	Sesamum	0	0	0	0	0	0
3	Sunflower	20	905	91	70	765	269
4	Castor	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0
7	Soyabean	0	0	0	0	0	0



<b>III</b>	<b>Total Oilseeds:</b>	<b>20</b>	<b>905</b>	<b>91</b>	<b>70</b>	<b>765</b>	<b>269</b>
<b>IV</b>	<b>Commercial Crops:</b>						
1	Cotton	100	250	250	0	0	<b>0</b>
2	Sugarcane	0	0	0	0	0	<b>0</b>
3	Tobacco	50	1317	659	0	0	<b>0</b>
	<b>Total Comr.Crops.</b>	150	1567	909	0	0	<b>0</b>
	<b>GRAND TOTAL</b>	<b>1160</b>	<b>32941</b>	<b>23192</b>	<b>5969</b>	<b>22812</b>	<b>37106</b>

**2.2d: Crop-Wise Area, Prodn. And Yield Of Major Agril. Crops For 2015-16- Summer**

Sl. No	Crops	C.N.Hally						Gubbi					
		Irrigated	Productivity	Production	Rain fed	Productivity	Production	Irrigated	Productivity	Production	Rain fed	Productivity	Production
1	Rice	100	3269	3269	0	0	0	1500	2445.00	36675	0	0	0
2	Jowar	0	0	0	0	0	0	0	0	0	0	0	0
3	Ragi	5	1850	93	0	0	0	60	1900	1140	0	0	0
4	Maize	0	0	0	0	0	0	0	0	0	0	0	0
6	M.Millets	0	0	0	0	0	0	0	0	0	0	0	0
<b>I</b>	<b>Total Cereals:</b>	<b>105</b>	<b>5119</b>	<b>3362</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1560</b>	<b>4345</b>	<b>37815</b>	<b>0</b>	<b>0</b>	<b>0</b>
1	Redgram	0	0	0	0	0	0	0	0	0	0	0	0
2	Avare	0	0	0	0	0	0	0	0	0	0	0	0
3	Bengal gram	0	0	0	0	0	0	0	0	0	0	0	0
4	Horse gram	0	0	0	0	0	0	0	0	0	0	0	0
5	Cowpea & other	20	240	48	0	0	0	20	235	47	0	0	0
6	Green Gram	0	0	0	0	0	0	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>20</b>	<b>240</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>235</b>	<b>47</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total Foodgrains:</b>	<b>125</b>	<b>5359</b>	<b>3410</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1580</b>	<b>4580</b>	<b>37862</b>	<b>0</b>	<b>0</b>	<b>0</b>
1	Groundnut	50	1184	592	0	0	0	100	1184	1184	0	0	0
2	Sesamum	0	0	0	0	0	0	0	0	0	0	0	0
3	Sunflower	0	0	0	0	0	0	0	0	0	0	0	0
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0	0	0	0	0	0	0
7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>50</b>	<b>1184</b>	<b>592</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>1184</b>	<b>1184</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	0	0	0	0	0	0	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0	0	0	0	0	0	0
3	Tobacco	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>175</b>	<b>6543</b>	<b>4002</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1680</b>	<b>5764</b>	<b>39046</b>	<b>0</b>	<b>0</b>	<b>0</b>

Sl. No.	Crops.	Kunigal						Tiptur					
		Irrigated	Productivity	Production	Rain fed	Productivity	Production	Irrigated	Productivity	Production	Rain fed	Productivity	Production
1	Rice	1100	3572	39292	0	0	0	1200	3081.00	36972	0	0	0
2	Jowar	0	0	0	0	0	0	0	0	0	0	0	0
3	Ragi	100	1905	1905	0	0	0	10	1910	191	0	0	0
4	Maize	0	0	0	0	0	0	0	0	0	10	2719	272
6	M.Millets	0	0	0	0	0	0	0	0	0	0	0	0
<b>I</b>	<b>Total Cereals:</b>	<b>1200</b>	<b>5477</b>	<b>41197</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1210</b>	<b>4991</b>	<b>37163</b>	<b>10</b>	<b>2719</b>	<b>272</b>
1	Redgram	0	0	0	0	0	0	0	0	0	0	0	0
2	Avare	0	0	0	0	0	0	0	0	0	0	0	0
3	Bengalgram	0	0	0	0	0	0	0	0	0	0	0	0
4	Horsegram	0	0	0	0	0	0	0	0	0	0	0	0
5	Cowpea & other	5	235	12	0	0	0	0	0	0	0	0	0
6	Green Gram	0	0	0	0	0	0	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>5</b>	<b>235</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total Foodgrains:</b>	<b>1205</b>	<b>5712</b>	<b>41209</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1210</b>	<b>4991</b>	<b>37163</b>	<b>10</b>	<b>2719</b>	<b>272</b>
1	Groundnut	150	1184	1776	0	0	0	0	0	0	0	0	0
2	Sesamum	0	0	0	0	0	0	0	0	0	0	0	0
3	Sunflower	0	0	0	0	0	0	0	0	0	0	0	0
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0	0	0	0	0	0	0
7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0

<b>III</b>	<b>Total Oilseeds:</b>	<b>150</b>	<b>1184</b>	<b>1776</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	0	0	0	0	0	0	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0	0	0	0	0	0	0
3	Tobacco	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>												

Sl. No	Crops	Turuvekere						Koratagere					
		Irrigated	Productivity	Production	Rain fed	Productivity	Production	Irrigated	Productivity	Production	Rain fed	Productivity	Production
1	Rice	1500	3719.00	55785	0	0	0	210	3745.00	7865	0	0	0
2	Jowar	0	0	0	0	0	0	0	0	0	0	0	0
3	Ragi	100	1920	1920	0	0	0	100	1905	1905	0	0	0
4	Maize	10	2719	272	0	0	0	0	0	0	75	3590	2693
6	M.Millets	0	0	0	0	0	0	0	0	0	0	0	0
<b>I</b>	<b>Total Cereals:</b>	<b>1610</b>	<b>8358</b>	<b>57977</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>310</b>	<b>5650</b>	<b>9770</b>	<b>75</b>	<b>3590</b>	<b>2693</b>
1	Redgram	0	0	0	0	0	0	0	0	0	0	0	0
2	Avare	0	0	0	0	0	0	0	0	0	0	0	0
3	Bengal gram	0	0	0	0	0	0	0	0	0	0	0	0
4	Horse gram	0	0	0	0	0	0	0	0	0	0	0	0
5	Cowpea & other	20	0	0	0	0	0	10	230	23	0	0	0
6	Green Gram	0	0	0	0	0	0	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>230</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total Foodgrains:</b>	<b>1630</b>	<b>8358</b>	<b>57977</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>320</b>	<b>5880</b>	<b>9793</b>	<b>75</b>	<b>3590</b>	<b>2693</b>
1	Groundnut	0	0	0	0	0	0	60	1184	710	0	0	0
2	Sesamum	0	0	0	0	0	0	10	640	64	0	0	0
3	Sunflower		0	0	0	0	0	0	0	0	0	0	0
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0	0	0	0	0	0	0

7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70</b>	<b>1824</b>	<b>774</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	0	0	0	0	0	0	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0	0	0	0	0	0	0
3	Tobacco	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>1630</b>	<b>8358</b>	<b>57977</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>390</b>	<b>7704</b>	<b>10567</b>	<b>75</b>	<b>3590</b>	<b>2693</b>

Sl. No	Crops	Madhugiri						Pavagada					
		Irrigated	Productivity	Production	Rain fed	Productivity	Production	Irrigated	Productivity	Production	Rain fed	Productivity	Production
1	Rice	300	3269	9807	0	0	0	200	3269	6538	0	0	0
2	Jowar	0	0	0	0	0	0	0	0	0	0	0	0
3	Ragi	100	1905	1905	0	0	0	75	1910	1433	0	0	0
4	Maize	75	2352	1764	75	2352	1764	75	1967	1475	10	1850	185
6	M.Millets	0	0	0	0	0	0	0	0	0	0	0	0
<b>I</b>	<b>Total Cereals:</b>	<b>475</b>	<b>7526</b>	<b>13476</b>	<b>75</b>	<b>2352</b>	<b>1764</b>	<b>350</b>	<b>7146</b>	<b>9446</b>	<b>10</b>	<b>1850</b>	<b>185</b>
1	Redgram	0	0	0	0	0	0	0	0	0	0	0	0
2	Avare	0	0	0	0	0	0	0	0	0	0	0	0
3	Bengal gram	0	0	0	0	0	0	0	0	0	0	0	0
4	Horse gram	0	0	0	0	0	0	0	0	0	0	0	0
5	Cowpea & other	20	230	46	0	0	0	10	235	24	0	0	0
6	Green Gram	0	0	0	0	0	0	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>20</b>	<b>230</b>	<b>46</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>235</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total Foodgrains:</b>	<b>495</b>	<b>7756</b>	<b>13522</b>	<b>75</b>	<b>2352</b>	<b>1764</b>	<b>360</b>	<b>7381</b>	<b>9469</b>	<b>10</b>	<b>1850</b>	<b>185</b>
1	Groundnut	500	1184	5920	0	0	0	0	0	0	0	0	0
2	Sesamum	0	0	0	0	0	0	1150	660	7590	0	0	0
3	Sunflower	150	1452	2178	0	0	0	300	1085	3255	0	0	0
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0	0	0	0	0	0	0



7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>650</b>	<b>2636</b>	<b>8098</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1450</b>	<b>1745</b>	<b>10845</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	0	0	0	0	0	0	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0	0	0	0	0	0	0
3	Tobacco	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>1145</b>	<b>10392</b>	<b>21620</b>	<b>75</b>	<b>2352</b>	<b>1764</b>	<b>1810</b>	<b>9126</b>	<b>20314</b>	<b>10</b>	<b>1850</b>	<b>185</b>

SL No	Crops	Sira						Tumkur					
		Irrigated	Productivity	Production	Rainfed	Productivity	Production	Irrigated	Productivity	Production	Rainfed	Productivity	Production
1	Rice	0	0	0	0	0	0	100	3394.00	3394	0	0	0
2	Jowar	0	0	0	0	0	0	0	0	0	0	0	0
3	Ragi	90	1905	1715	0	0	0	60	1910	1146	0	0	0
4	Maize	10	3334	333	10	1810	181	10	2719	272	0	0	0
6	M.Millets	0	0	0	0	0	0	0	0	0	0	0	0
<b>I</b>	<b>Total Cereals:</b>	<b>100</b>	<b>5239</b>	<b>2048</b>	<b>10</b>	<b>1810</b>	<b>181</b>	<b>170</b>	<b>8023</b>	<b>4812</b>	<b>0</b>	<b>0</b>	<b>0</b>
1	Redgram	0	0	0	0	0	0	0	0	0	0	0	0
2	Avare	0	0	0	0	0	0	0	0	0	0	0	0
3	Bengal gram	0	0	0	0	0	0	0	0	0	0	0	0
4	Horse gram	0	0	0	0	0	0	0	0	0	0	0	0
5	Cowpea & other	50	230	115	0	0	0	20	230	46	0	0	0
6	Green Gram	0	0	0	0	0	0	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>50</b>	<b>230</b>	<b>115</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>230</b>	<b>46</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total Foodgrains :</b>	<b>150</b>	<b>5469</b>	<b>2163</b>	<b>10</b>	<b>1810</b>	<b>181</b>	<b>190</b>	<b>8253</b>	<b>4858</b>	<b>0</b>	<b>0</b>	<b>0</b>
1	Groundnut	0	0	0	0	0	0	20	1184	237	0	0	0
2	Sesamum	0	0	0	0	0	0	0	0	0	0	0	0
3	Sunflower		0	0	0	0	0	0	0	0	0	0	0
4	Castor	0	0	0	0	0	0	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0	0	0	0	0	0	0

7	Soyabean	0	0	0	0	0	0	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>1184</b>	<b>237</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IV</b>	<b>Commercial Crops:</b>												
1	Cotton	0	0	0	0	0	0	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0	0	0	0	0	0	0
3	Tobacco	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>150</b>	<b>5469</b>	<b>2163</b>	<b>10</b>	<b>1810</b>	<b>181</b>	<b>210</b>	<b>9437</b>	<b>5095</b>	<b>0</b>	<b>0</b>	<b>0</b>

SL. No.	Crops	District					
		Irrigated	Productivity	Production	Rainfed	Productivity	Production
1	Rice	6210	29763	199597	0	0	0
2	Jowar	0	0	0	0	0	0
3	Ragi	700	19020	13352	0	0	0
4	Maize	0	13091	4116	180	12321	5094
6	M.Millets	0	0	0	0	0	0
<b>I</b>	<b>Total Cereals:</b>	<b>6910</b>	<b>61874</b>	<b>217064</b>	<b>180</b>	<b>12321</b>	<b>5094</b>
1	Redgram	0	0	0	0	0	0
2	Avare	0	0	0	0	0	0
3	Bengal gram	0	0	0	0	0	0
4	Horse gram	0	0	0	0	0	0
5	Cowpea & other	175	1865	360	0	0	0
6	Green Gram	0	0	0	0	0	0
<b>II</b>	<b>Total Pulses:</b>	<b>175</b>	<b>1865</b>	<b>360</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total Foodgrains:</b>	<b>7085</b>	<b>63739</b>	<b>217425</b>	<b>180</b>	<b>12321</b>	<b>5094</b>
1	Groundnut	880	7104	10419	0	0	0
2	Sesamum	1160	1300	7654	0	0	0
3	Sunflower	450	2537	5433	0	0	0
4	Castor	0	0	0	0	0	0
5	Niger	0	0	0	0	0	0
6	Mustard	0	0	0	0	0	0

7	Soyabean	0	0	0	0	0	0
<b>III</b>	<b>Total Oilseeds:</b>	<b>2490</b>	<b>10941</b>	<b>23506</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IV</b>	<b>Commercial Crops:</b>						
1	Cotton	0	0	0	0	0	0
2	Sugarcane	0	0	0	0	0	0
3	Tobacco	0	0	0	0	0	0
	<b>Total Comr.Crops.</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>GRAND TOTAL</b>	<b>9575</b>	<b>74680</b>	<b>240931</b>	<b>180</b>	<b>12321</b>	<b>5094</b>

### 2.3: Irrigation Based Classification

Area in ha

Sl No	Taluku	Geo-graphical Area	Land not available for Cultivation							Cultivable Land	Net Irrigated Area				Rainfed Area	Partially Irrigated /Protective Irrigation
			Forest	Land put to Non Agricultural uses	Barren & Uncultivable land	Perman ent Pasture	Trees and Groves	Cultiva ble Waste	Total Uncultiva ted Land		Canal & Tanks	Borewells	OpenW ells	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Chikkanayakan ahally	112998	8235	6793	7773	4500	2715	18164	48180	64818	1334.00	22395.00	10.00	23739.00	41079	22405.00
2	Gubbi	122057	10090	17436	4971	3850	2811	2731	41889	80168	31734.00	24828.00	271.00	56833.00	23335	25099.00
3	Koratagere	70919	3476	4355	5013	9831	377	2749	25801	45118	1342.00	7069.00	0.00	8411.00	36707	7069.00
4	Kunigal	99110	6787	6470	6228	4248	171	11873	35777	63333	27872.00	4848.00	62.00	32782.00	30551	4910.00
5	Madhugiri	112119	3279	9058	12670	7100	2093	8353	42553	69566	1612.00	8199.00	201.00	10012.00	59554	8400.00
6	Pavagada	135849	5875	7241	6180	7456	508	5628	32888	102961	977.00	7769.00	11.00	8757.00	94204	7780.00
7	Sira	155377	5452	10812	19197	16316	2683	8151	62611	92766	1782.00	15967.00	99.00	17848.00	74918	16066.00
8	Tiptur	76510	595	7489	372	7010	4604	1920	21990	54520	7694.00	19278.00	31.00	27003.00	27517	19309.00
9	Tumkur	103852	827	9766	4751	7099	4293	1817	28553	75299	11154.00	18668.00	69.00	29891.00	45408	18737.00
10	Turuvekere	75964	561	6045	384	9043	728	656	17417	58547	37124.00	2041.00	186.00	39351.00	19196	2227.00
	<b>District Total</b>	<b>1064755</b>	<b>45177</b>	<b>85465</b>	<b>67539</b>	<b>76453</b>	<b>20983</b>	<b>62042</b>	<b>357659</b>	<b>707096</b>	<b>122625.0</b>	<b>131062.00</b>	<b>940.00</b>	<b>254627.00</b>	<b>452469</b>	<b>132002</b>

### 2.3b: Taluk-wise Sources of Irrigation in Tumkur District

Sl. No	Taluks	Gross Irrigated Area									Grand Total
		Canals	Canals including MI tanks under Hemavathy canal zone	Upper Bhadra	Total Canal Irrigation	MI Tanks	PRED Tanks	Total from Canal & Tanks	Bore wells	Open wells	
1	Chikkanayakanahally	0	0	4657.00	4657.00	4916	1753.31	11326.31	24879	10	36215.31
2	Gubbi	27635	3368.04	0.00	31003.04	3017.4	637.03	34657.47	27685	271	62613.47
3	Koratagere	0	1214	0.00	1214.00	4282	1215.59	6711.59	7790	0	14501.59
4	Kunigal	15176	11748.7	0.00	26924.70	2603.5	2134.94	31663.14	6323	62	38048.14
5	Madhugiri	0	0	0.00	0.00	5650	2410.26	8060.26	9801	201	18062.26
6	Pavagada	0	0	0.00	0.00	3232	1651.9	4883.9	9502	11	14396.9
7	Sira	0	0	14558.00	14558.00	6517	2391.55	23466.55	18105	99	41670.55
8	Tiptur	5715	1272.85	0.00	6987.85	1705.58	1825.63	10519.06	21448	31	31998.06
9	Tumkur	8268	1532.67	0.00	9800.67	4685	2080.95	16566.62	20506	69	37141.62
10	Turuvekere	34010	3043.4	0.00	37053.40	188	167.88	37409.28	2737	186	40332.28
	<b>District Total</b>	<b>90804</b>	<b>22179.66</b>	<b>19215</b>	<b>132198.66</b>	<b>36796.48</b>	<b>16269.04</b>	<b>185264.18</b>	<b>148776.00</b>	<b>940.00</b>	<b>334980.18</b>

**5.1: Soil and Water conservation Annexure-II B- Action plan for Complete Saturation On going IWMP Watershed Area**

**Area in ha; amount in Lakh**

Sl.No	Taluk	Trench cum Bund		Farm pond		Check dam		Nala Bund-I		Percolation Tank		Nala Bund-II ( Earthen Bund)	
		Phy (Ha)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin
1	C,N,Halli	1546	216.44	178	42.72	33	165.00	8	40.00	0	0.00	0	0.00
2	Gubbi	450	63.00	100	24.00	10	50.00	6	30.00	0	0.00	0	0.00
3	Koratagere	76	10.64	150	36.00	12	60.00	10	50.00	0	0.00	0	0.00
4	Kunigal	481	67.34	58	13.92	29	145.00	19	95.00	0	0.00	0	0.00
5	Madhugiri	660	92.40	205	49.20	5	25.00	11	55.00	0	0.00	0	0.00
6	Pavagada	2250	315.00	76	18.24	26	130.00	3	15.00	0	0.00	8	16.00
7	Sira	1050	147.00	397	95.28	14	70.00	6	30.00	3	15.00	0	0.00
8	Tiptur	548	76.72	162	38.88	0	0.00	0	0.00	0	0.00	0	0.00
9	Tumkur	42	5.88	91	21.84	12	60.00	8	40.00	0	0.00	0	0.00
10	Turuvekere	225	31.50	165	39.60	26	130.00	7	35.00	0	0.00	0	0.00
<b>District Total</b>		<b>7328</b>	<b>1025.92</b>	<b>1582</b>	<b>379.68</b>	<b>167</b>	<b>835.00</b>	<b>78</b>	<b>390.00</b>	<b>3</b>	<b>15.00</b>	<b>8</b>	<b>16.00</b>



Sl.No	Taluk	Gokatte		Mini percolation Tank		Bore well Recharge Points		Agro-forestry		Dry land Horticulture		Total		
		Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy(Ha)	Phy (No)	Fin
1	Chikkanayakanahally	0	0.00	0	0.00	45	32.85	2000	1.70	0	0.00	1546	2264	498.71
2	Gubbi	0	0.00	0	0.00	95	69.35	6000	5.10	41860	54.42	450	48071	295.87
3	Koratagere	5	10.00	0	0.00	81	59.13	0	0.00	0	0.00	76	258	225.77
4	Kunigal	5	10.00	39	58.50	254	185.42	29295	24.90	28851	37.51	481	58550	637.59
5	Madhugiri	8	16.00	15	22.50	187	136.51	7800	6.63	5600	7.28	660	13831	410.52
6	Pavagada	16	32.00	0	0.00	128	93.44	28200	23.97	8300	10.79	2250	36757	654.44
7	Sira	0	0.00	27	40.50	110	80.30	86700	73.70	22000	28.60	1050	109257	580.38
8	Tiptur	0	0.00	0	0.00	77	56.21	13101	11.14	0	0.00	548	13340	182.95
9	Tumkur	6	12.00	0	0.00	93	67.89	0	0.00	0	0.00	42	210	207.61
10	Turuvekere	9	18.00	15	22.50	114	83.22	68361	58.11	22100	28.73	225	90797	446.66
	<b>District Total</b>	<b>49</b>	<b>98.00</b>	<b>96</b>	<b>144.00</b>	<b>1184</b>	<b>864.32</b>	<b>241457</b>	<b>205.24</b>	<b>128711</b>	<b>167.32</b>	<b>7328</b>	<b>373335</b>	<b>4140.48</b>

## 5.2: Action plan for Complete Saturation Watershed Area other than IWMP

Area in ha; amount in Lakh

Sl.No	Taluk	Trench cum Bund		Farm pond		Check dam		Nala Bund-I		Percolation Tank		Nala Bund-II (Earthen Bund)	
		Phy (Ha)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin
1	C,N,Halli	21983.7	3077.718	8996	2159.04	122	610	16	80	42	210	240	610
2	Gubbi	18325.2	2565.528	12477	2994.48	155	775	120	600	40	200	250	500
3	Koratagere	10525.8	1473.612	7840	1881.6	78	390	85	425	40	200	90	180
4	Kunigal	12110.4	1695.456	8333	1999.92	345	1725	220	1100	60	300	120	240
5	Madhugiri	16900.8	2366.112	6426	1542.24	35	175	204	1020	35	175	128	256
6	Pavagada	27787.8	3890.292	7324	1757.76	64	320	22	110	30	150	142	284
7	Sira	41278.2	5778.948	9691	2325.84	71	355	29	145	47	235	20	40
8	Tiptur	16451.3	2303.182	9307	2233.68	26	130	25	125	18	90	36	72
9	Tumkur	11282	1579.48	12998	3119.52	27	135	3	15	5	25	0	0
10	Turuvekere	12714	1779.96	9012	2162.88	310	1550	84	420	35	175	45	90
<b>District Total</b>		<b>139954.20</b>	<b>19593.59</b>	<b>92404</b>	<b>22176.96</b>	<b>1233</b>	<b>6165.00</b>	<b>808</b>	<b>4040.00</b>	<b>352</b>	<b>1760.00</b>	<b>1071</b>	<b>2272.00</b>

Sl.No	Taluk	Gokatte		Mini percolation Tank		Bore well Recharge Points		Agro-forestry		Dry land Horticulture		Total		
		Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy(Ha)	Phy (No)	Fin
1	C,N,Halli	88	176	54	81	1355	989.15	452100	384.285	181640	236.132	21983.70	644653	8613.32
2	Gubbi	50	100	300	450	7000	5110	1500000	1275	1500000	1950	18325.20	3020392	16520.01
3	Koratagere	125	250	135	202.5	4419	3225.87	156800	133.28	86089	111.9157	10525.80	255701	8473.78
4	Kunigal	380	760	260	390	2000	1460	1000000	850	1200000	1560	12110.40	2211718	12080.38
5	Madhugiri	148	296	225	337.5	4769	3481.37	277032	235.477	138516	180.0708	16900.80	427518	10064.77
6	Pavagada	34	68	200	300	1472	1074.56	171800	146.03	141700	184.21	27787.80	322788	8284.85
7	Sira	100	200	123	184.5	9038	6597.74	2029710	1725.25	2094410	2722.733	41278.20	4143239	20310.01
8	Tiptur	76	152	47	70.5	2079	1517.67	1262649	1073.25	975150	1267.695	16451.30	2249413	9034.98
9	Tumkur	19	38	5	7.5	72	52.56	60000	51	27000	35.1	11282.00	100129	5058.16
10	Turuvekere	55	110	105	157.5	6500	4745	1000000	850	1600000	2080	12714.00	2616146	14120.34
<b>District Total</b>		<b>1075</b>	<b>2150.00</b>	<b>1454</b>	<b>2181.00</b>	<b>38704</b>	<b>28253.92</b>	<b>7910091</b>	<b>6723.58</b>	<b>7944505</b>	<b>10327.86</b>	<b>189359.20</b>	<b>15991697</b>	<b>112560.60</b>

### 5.3: Action plan for Complete Saturation Watershed Area other than IWMP

Sl.No	Taluk	Trench cum Bund		Farm pond		Check dam		Nala Bund-I		Percolation Tank		Nala Bund-II (Earthen Bund)	
		Phy (Ha)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin
1	C,N,Halli	23529.7	3294.2	9174	2201.76	155	775.00	24	120.00	42	210.00	240	610.00
2	Gubbi	18775.2	2628.528	12577	3018.48	165	825	126	630	40	200	250	500
3	Koratagere	10601.8	1484.252	7990	1917.6	90	450	95	475	40	200	90	180
4	Kunigal	12591.4	1762.796	8391	2013.84	374	1870	239	1195	60	300	120	240
5	Madhugiri	17560.8	2458.512	6631	1591.44	40	200	215	1075	35	175	128	256
6	Pavagada	30037.8	4205.292	7400	1776	90	450	25	125	30	150	150	300
7	Sira	42328.2	5925.948	10088	2421.12	85	425	35	175	50	250	20	40
8	Tiptur	16999.3	2379.902	9469	2272.56	26	130	25	125	18	90	36	72
9	Tumkur	11324	1585.36	13089	3141.36	39	195	11	55	5	25	0	0
10	Turuvekere	12939	1811.46	9177	2202.48	336	1680	91	455	35	175	45	90
<b>District Total</b>		<b>196687.2</b>	<b>27536.208</b>	<b>93986</b>	<b>22556.64</b>	<b>1400</b>	<b>7000</b>	<b>886</b>	<b>4430</b>	<b>355</b>	<b>1775</b>	<b>1079</b>	<b>2288</b>

Sl.No	Taluk	Gokatte		Mini percolation Tank		Bore well Recharge Points		Agro-forestry		Dry land Horticulture		Total		
		Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy (No)	Fin	Phy(Ha)	Phy (No)	Fin
1	C,N,Halli	88	176.00	54	81.00	1400	1022.00	454100	385.98	181640	236.13	23529.70	646917	9112.03
2	Gubbi	50	100	300	450	7095	5179.35	1506000	1280.1	1541860	2004.418	18775.20	3068463	16815.88
3	Koratagere	130	260	135	202.5	4500	3285.00	156800	133.28	86089	111.9157	10601.80	255959	8699.55
4	Kunigal	385	770	299	448.5	2254	1645.42	1029295	874.901	1228851	1597.5063	12591.40	2270268	12717.96
5	Madhugiri	156	312	240	360	4956	3617.88	284832	242.107	144116	187.3508	17560.80	441349	10475.29
6	Pavagada	50	100	200	300	1600	1168.00	200000	170	150000	195	30037.80	359545	8939.29
7	Sira	100	200	150	225	9148	6678.04	2116410	1798.95	2116410	2751.333	42328.20	4252496	20890.39
8	Tiptur	76	152	47	70.5	2156	1573.88	1275750	1084.39	975150	1267.695	16999.30	2262753	9217.92
9	Tumkur	25	50	5	7.5	165	120.45	60000	51	27000	35.1	11324.00	100339	5265.77
10	Turuvekere	64	128	120	180	6614	4828.22	1068361	908.107	1622100	2108.73	12714.00	2706943	14567.00
<b>District Total</b>		<b>1124</b>	<b>2248</b>	<b>1550</b>	<b>2325</b>	<b>39888</b>	<b>29118.24</b>	<b>8151548</b>	<b>6928.82</b>	<b>8073216</b>	<b>10495.181</b>	<b>196462.2</b>	<b>16365032</b>	<b>116701.08</b>

**5.4 : Command Area Development Of Authority,Mysuru**

SL	NOS	PROJECT	TALUK	NAME OF WORK	COST IN LAKHS
1		2	3	4	5
<b><u>FOR THE YEAR 2016-2017</u></b>					
1	1	Hemavathy	TIPTUR	Construction of Pickup @ Sy no 97 of Ganganagatta village belongs to Sri.Rangappa s/o.Kempegowda.	12.00
2	2	Hemavathy	Tiptur	Construction of Pickup @ Sy no 96 of Ganganagatta village belongs to Sri.Shankarappa s/o.Rangegowda.	12.00
3	3	Hemavathy	Tiptur	Construction of Pickup @ Sy no 60/4 of Ganganagatta village belongs to Sri.G.V.Jayadev s/o.Oragallappa	12.00
4	4	Hemavathy	Tiptur	Construction of Pickup @ Sy no 57 of Ganganagatta village belongs to Sri.G.K.Odagallappa. s/o.Doddabasavegowda	15.00
5	5	Hemavathy	Tiptur	Construction of Pickup @ Sy no 28/1 of Hunasegatta village belongs to Sri.Hanumantegowda	15.00
6	6	Hemavathy	Tiptur	Construction of Pickup @ Sy no 119/1 of Hunasegatta village belongs to Sri.H.R.Manjunath s/o.Ramanna	20.00
					86.00
<b><u>FOR THE YEAR 2017-2018</u></b>					
7	1	Hemavathy	TIPTUR	Construction of Pickup @ Sy no 8 of Nonavinaker hobli Maathanahalli village belongs to Sri. M.G. Ranganatha.	15.00

8	2	Hemavathy	Tiptur	Construction of Pickup @ Sy no 8 of Nonavinaker hobli Jaabaghatta village belongs to Sri. Venkatesh.	22.00
9	3	Hemavathy	Tiptur	Construction of Pickup @ Sy no 61/2 of Suguru village belongs to Sri. Devaraj.	20.00
10	4	Hemavathy	Tiptur	Construction of Pickup @ Sy no 41 of Hullenahalli village belongs to Sri.Manjunath s/o.Ramegowda .	20.00
11	5	Hemavathy	Tiptur	Construction of Pickup @ Sy no 100/1C of Ballekere village belongs to Sri.B.T.Manjunath s/o.Thimmaiah	25.00
12	6	Hemavathy	Tiptur	Construction of Pickup @ Sy no 163/13&163/11 of Gungurumele village belongs to Sri.G.R.Manjegowda s/o.G.T.Rudregowda.	25.00
13	7	Hemavathy	Tiptur	Construction of Pickup @ Sy no 81 of Kaidalu village belongs to Sri.Ganganna s/o.Siddaiah.	20.00
14	8	Hemavathy	Tiptur	Construction of Pickup @ Sy no 79&80 of Kaidalu village belongs to Sri.Nanjundappa s/o.Nanjappa.	25.00
15	9	Hemavathy	Tiptur	Construction of Pickup @ Sy no 70 of Kaidalu village belongs to Smt.Gangamma w/o.Borappa.	22.00
16	10	Hemavathy	Tiptur	Construction of Pickup @ Sy no 66/3 of Kaidalu village belongs to Sri.Narashihmamurty s/o.Dasegowda.	20.00
					214.00
<b><u>FOR THE YEAR 2018-2019</u></b>					
17	1	Hemavathy	Tiptur	Construction of Pickup @ Sy no 2 of Nonavinaker hobli Maathanahalli village belongs to Sri. M.L. Ranganatha.	20.00

18	2	Hemavathy	Tiptur	Construction of Pickup @ Sy no 5 of Nonavinaker hobli Maathanahalli village belongs to Smt. Shivamma Puttaramaiah.	20.00
19	3	Hemavathy	Tiptur	Construction of Pickup @ Sy no 100nad 101 of Nonavinaker hobli Maathanahalli village belongs to Sri. M.G. Ranganatha and Kaarehalli Shankarappa.	25.00
20	4	Hemavathy	Tiptur	Construction of Pickup @ Sy no 14/1 of Kurubara Mallenahalli village belongs to Sri. M.D.Srinivasamurthy s/o.Dasegowda.	20.00
21	5	Hemavathy	Tiptur	Construction of Pickup @ Sy no 14/2 of Kurubara Mallenahalli village belongs to Sri. M.D.Maheswaraiiah s/o.Dasegowda.	20.00
22	6	Hemavathy	Tiptur	Construction of Pickup @ Sy no 114,115,118&119 of Mukanahalli village belongs to Sri. Shankarappa s/o.Lingappa.	40.00
23	7	Hemavathy	Tiptur	Construction of Pickup @ Sy no 441&444 of Mukanahalli village belongs to Smt. Eramma.w/oLt:Ningappa.	40.00
24	8	Hemavathy	Tiptur	Construction of Pickup @ Sy no 161 of Bajaguru village belongs to Sri.Mudalagirigowda.s/o Thimmegowda.	25.00
25	9	Hemavathy	Tiptur	Construction of Pickup @ Sy no 166 of Bajaguru village belongs to Smt.Chikkamma w/o.Lt: Thirumalegowda.	20.00



26	10	Hemavathy	Tiptur	Construction of Pickup @ Sy no 112/2 of Kallaiahnapalya village belongs to Sri.Doddakallappa s/o.Sannakallappa.	25.00
27	11	Hemavathy	Tiptur	Construction of Pickup @ Sy no 2 of Manchanahalli village belongs to Sri.M.L.Galikere Gowdar s/o.Ningappa.	25.00
28	12	Hemavathy	Tiptur	Construction of Pickup @ Sy no 18 of Manchanahalli village belongs to Sri.M.G.Ranganath, M.G.Sharanesh.Karehalli Shankarappa.	25.00
29	13	Hemavathy	Tiptur	Construction of Pickup @ Sy no 5 of Manchanahalli village belongs to Smt.Shivamma.w/o.Puttaramaiah	25.00
					330.00
<b><u>FOR THE YEAR 2019-2020</u></b>					
30	1	Hemavathy	Tiptur	Construction of Pickup @ Sy no 27 of Maargogondanahalli village belongs to Sri.Devaraj s/o laxmanagowda.	8.00
31	2	Hemavathy	Tiptur	Construction of Pickup @ Sy no 22 of kasavanahalli village belongs to Sri.B.T Hucchegowda s/o Thimmegowda.	8.00
32	3	Hemavathy	Tiptur	Construction of Pickup @ Sy no 54 of Jabagatta village belongs to Sri.Venkatesh, K.C.Nagaraj, Vasu, Surya Bin:Nagaraj.	30.00
33	4	Hemavathy	Tiptur	Construction of Pickup @ Sy no 100/101 of Jabagatta village belongs to Sri.Thimmegowda s/o.Girigowda.	30.00
34	5	Hemavathy	Tiptur	Construction of Pickup @ Sy no 9 of Virupaksipura belongs to Sri.Gangadarappa, Shivagangappa .	30.00

35	6	Hemavathy	Tiptur	Construction of Pickup @ Sy no 226of Aralaguppe belongs to Sri.Rajanna .	50.00
36	7	Hemavathy	Tiptur	Construction of Pickup @ Sy no 228/2 of Aralaguppe belongs to Sri.A.M.Manjanna s/o.A.H.Najappa .	50.00
37	8	Hemavathy	Tiptur	Construction of Pickup @ Sy no 352/2 of Aralaguppe belongs to Sri.Shankarachar s/o.Rudrachar .	25.00
38	9	Hemavathy	Tiptur	Construction of Pickup @ Sy no 32/1 of Aralaguppe belongs to Sri.Shadakshari .	25.00
39	10	Hemavathy	Tiptur	Construction of Pickup @ Sy no 87/10 of Badrapura belongs to Sri.B.Chandraiah s/o.Basavanna .	50.00
40	11	Hemavathy	Tiptur	Construction of Pickup @ Sy no 444 of Badrapura belongs to Sri.Sannaiah .	25.00
					331.00
					<b>TOTAL Rs = 961.00lakhs</b>
<b><u>FOR THE YEAR 2016-2017</u></b>					
41	1	Hemavathy	<b>TURUVEKERE</b>	Construction of Pickup @ Sy no 36/2 of M.Ganganahalli village belongs to Sri.B.M. Somasheker s/o Mahalingaiah.	30.00
42	2	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 46/3 of Hegger village belongs to Sri.Renukayya.	25.00
43	3	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 47/2 of Hegger village belongs to Sri.Vijayanna.	26.00

44	4	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 90/2 of A.Hosahalli village belongs to Sri.B.R.krishnegowda s/o late Ramegowda.	30.00
45	5	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 8/10 of Srirampura village belongs to Sri.H.S.Basavaraju s/o late Hanumantaiah.	30.00
					141.00
<b><u>FOR THE YEAR 2017-2018</u></b>					
46	1	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 14/1 of M.Beevenahalli village belongs to Sri.B.R.Shivakumar s/o lateB.K.Ramalingaiah.	30.00
47	2	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 56 of M.Ganganahalli village belongs to Sri.Mayanna s/o Kempaiah.	32.00
48	3	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 36/1 of M.Beevenahalli village belongs to Sri..R.Devaraj s/o late Rangegowda.	33.00
49	4	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 40 of Chanduru village belongs to Sri.C.M.Mhalingaiah.	15.00
50	5	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 36/2 of Chanduru village belongs to Sri.B.M.Somashekaraiiah s/o late mahalingaiah.	15.00
					125.00
<b><u>FOR THE YEAR 2018-2019</u></b>					
51	1	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 141 of Kodihalli village.	20.00
52	2	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 41 of Kodihalli village.	22.00

53	3	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 37 of Lingadahalli village.	25.00
54	4	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 81/1 of Taalekere village belongs to Sri.Shivanajappa.	15.00
55	5	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 263/2 of Taalekere village belongs to Sri.Narashimamurthy.	12.00
					94.00
<b><u>FOR THE YEAR 2019-2020</u></b>					
56	1	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 86/2 of Taalekere village belongs to Smt.Gangamma.	15.00
57	2	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 225 of Taalekere village belongs to Smt. Manjulamma.	12.00
58	3	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 46/3 of Hegere village belongs to Sri.Renukaaih.	13.00
					40.00
<b><u>FOR THE YEAR 2020-2021</u></b>					
59	1	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 47/2 of Hegere village belongs to Sri.Vijayanna.	13.00
60	2	Hemavathy	Turuvekere	Construction of Pickup @ Sy no 70 of Hire Benkehalli village belongs to Sri.Mudalagireyappa s/o Giritappegowda.	25.00
					38.00
					<b>TOTAL = 438.00lakhs</b>
<b><u>FOR THE YEAR 2017-2018</u></b>					

61	1	Hemavathy	GUBBI	Construction of Pickup @ Sy no 87/1 of Doddachangavi village belongs to Sri.C.N. Govindaiah s/o Sannarangaiah.	8.00
62	2	Hemavathy	Gubbi	Construction of Pickup @ Sy no 121/4 of Doddachangavi village belongs to Sri.Patel Narasegowda s/o Naarasegowda.	15.00
63	3	Hemavathy	Gubbi	Construction of Pickup @ Sy no 136/1 of MMA;Kaval village belongs to Smt.Gangamma Late:Shivalingaiah. Naarasegowda.	20.00
64	4	Hemavathy	Gubbi	Construction of Pickup @ Sy no 19/1A of Galaga village belongs to Smt.Rehamattulakhan .	20.00
65	5	Hemavathy	Gubbi	Construction of Pickup @ Sy no 14/2 of Choukenahalli village belongs to Sri.S.Kumar Late: Sannappa.	40.00
66	6	Hemavathy	Gubbi	Construction of Pickup @ Sy no 7/1 of Jogihalli (M.N.Kote) village belongs to Sri.Sanna doddaiah s/o Doddaiah .	22.00
					125.00
<b><u>FOR THE YEAR 2018-2019</u></b>					
67	1	Hemavathy	Gubbi	Construction of Pickup @ Sy no 161/7 of Doddachangavi village belongs to Sri.Rangappa. s/o Chikkachannaiah.	25.00
68	2	Hemavathy	Gubbi	Construction of Pickup @ Sy no 29/2 of Varaahasandra village belongs to Sri.Doddaiah s/o Muddegowda.	15.00
69	3	Hemavathy	Gubbi	Construction of Pickup @ Sy no 40/3 of Doddachangavi village belongs to Smt. Najamma w/o late Ganganna.	15.00

70	4	Hemavathy	Gubbi	Construction of Pickup @ Sy no 49 of Torehalli village belongs to Sri. R.Shivanandappa .	35.00
71	5	Hemavathy	Gubbi	Construction of Pickup @ Sy no 48 of Torehalli village belongs to Sri. Totappa s/o Lt: Narashihmaiah.	40.00
72	6	Hemavathy	Gubbi	Construction of Pickup @ Sy no 268 of Torehalli village belongs to Sri.Kumar s/o Viswanath.	36.00
					166.00
					<b>TOTAL = 291.00lakhs</b>
<b><u>FOR THE YEAR 2016-2017</u></b>					
73	1	Hemavathy	TUMKUR	Construction of Pickup @ Sy no 196 of Kasaba hobli Halnur village belongs to Sri Revanna siddaiah .	8.00
74	2	Hemavathy	Tumkur	Construction of Pickup @ Sy no 187 of Kasaba hobli Halnur village belongs to Sri Renukaiah HR .	10.00
					18.00
<b><u>FOR THE YEAR 2017-2018</u></b>					
75	1	Hemavathy	Tumkur	Construction of Pickup @ Sy no 298 of Kasaba hobli Halnur village belongs to Sri Marisiddaiah .	10.00
76	2	Hemavathy	Tumkur	Construction of Pickup @ Sy no 102 of Kasaba hobli Halnur village belongs to Sri Renukprasad .	12.00
<b>Total</b>					22.00
<b><u>FOR THE YEAR 2018-2019</u></b>					
77	1	Hemavathy	Tumkur	Construction of Pickup @ Sy no 304 of Kasaba hobli Halnur village belongs to Sri Siddaiah s/o.Chikkakalamma .	10.00

78	2	Hemavathy	Tumkur	Construction of Pickup @ Sy no 108 of Kasaba hobli Halnur village belongs to Sri Basavaraj .	8.00
					18.00
					<b>TOTAL = 58.00lakhs</b>
<b><u>FOR THE YEAR 2017-2018</u></b>					
79	1	Hemavathy	KUNIGAL	Construction of Pickup @ Sy no 120 of Amruturu hobli K.Honnamachanahalli village belongs to Sri Kariyappa s/o Hanumegowda.	12.00
80	2	Hemavathy	Kunigal	Construction of Pickup @ Sy no 136 of Amruthoor hobli Amruthoor Hosakere village.	15.00
81	3	Hemavathy	Kunigal	Construction of Pickup @ Sy no 47/4 of Yediyur hobli Kannaguni village.	18.00
82	4	Hemavathy	Kunigal	Construction of Pickup @ Sy no 46 of Amruturu hobli Kagganahalli belongs to Sri. Prabhudeva.	15.00
83	5	Hemavathy	Kunigal	Construction of Pickup @ Sy no 212 of Amruturu hobli K.Honnamachanahalli village belongs to Sri.Sannakariyappa.	16.00
					76.00
<b><u>FOR THE YEAR 2018-2019</u></b>					
84	1	Hemavathy	Kunigal	Construction of Pickup @ Sy no 212 of Amruturu hobli Koodihalli village belongs to Sri.Ramanjannya.	14.00
85	2	Hemavathy	Kunigal	Construction of Pickup @ Sy no 47/2 of Yediyur hobli Kannaguni village.	17.00

86	3	Hemavathy	Kunigal	Construction of Pickup @ Sy no 26 of Yediyur hobli Kannaguni village.	14.00
87	4	Hemavathy	Kunigal	Construction of Pickup @ Sy no 171/6 of Yediyur hobli Kantanahalli village belongs to Smt. Lamamma w/o Bettaswamy.	15.00
88	5	Hemavathy	Kunigal	Construction of Pickup in Yediyur hobli Tuveker village field belongs to Sri. Patel Thimmigowda s/o Patel.	13.00
89	6	Hemavathy	Kunigal	Construction of Pickup @ Sy no 40 of Yediyur hobli Naaranahalli village belongs to Sri. N.C.Shivalingaiah.	14.00
					87.00
<b><u>FOR THE YEAR 2019-2020</u></b>					
90	1	Hemavathy	Kunigal	Construction of Pickup @ Sy no 266 of Yediyur hobli Naaranahalli village belongs to Sri. Prakesh s/o Chaluvaiah.	13.00
91	2	Hemavathy	Kunigal	Construction of Pickup @ Sy no 98 of Yediyur hobli Kaggere village.	15.00
92	3	Hemavathy	Kunigal	Construction of Pickup @ Sy no 43/1 of Kasaba hobli Moduru village.	20.00
93	4	Hemavathy	Kunigal	Construction of Pickup @ Sy no 115 of Yediyur hobli Naaranahalli village belongs to Sri. Niganna s/o late Kambal siddaiah.	12.00
94	5	Hemavathy	Kunigal	Construction of Pickup @ Sy no 23 of Yediyur hobli K. Huraliborasandra village belongs to Sri. Hanumegowda s/o Hanumegowda .	13.00
					73.00



**FOR THE YEAR 2020-2021**

95	1	Hemavathy	Kunigal	Construction of Pickup @ Sy no 15/4 of Yediyur hobli K. Huraliborasandra village belongs to Sri. Satish s/o Ramanna.	14.00
96	2	Hemavathy	Kunigal	Construction of Pickup @ Sy no 19 of Yediyur hobli K. Huraliborasandra village belongs to Sri. Mariyanna.	15.00
97	3	Hemavathy	Kunigal	Construction of Pickup @ Sy no 53 of Amruturu hobli kuppe village belongs to Sri.Varadaiah s/o Maagaiah.	13.00
98	4	Hemavathy	Kunigal	Construction of Pickup @ Sy no 27 of Amruturu hobli Arjanahalli village belongs to Sri.N. Marigowda s/o Hucchegowda.	13.00
99	5	Hemavathy	Kunigal	Construction of Pickup @ Sy no 83/3p of Huliyurdurga hobli Kodavathi village belongs to Sri.Laxman s/o Chikkaiah.	13.00
					68.00
					<b>304.00</b>
<b>GRAND TOTAL = 2052.00 Lakhs.</b>					

<b>5.4 a Tumakuru district Taluk wise Seepage Drain works details</b>					
<b>SL</b>	<b>NOS</b>	<b>PROJECT</b>	<b>TALUK</b>	<b>NAME OF WORK</b>	<b>COST IN LAKHS</b>
1		2	3	4	5
<b><u>FOR THE YEAR 2016-2017</u></b>					
1	1	Hemavathy	Gubbi	Constructing Seepage drain at Saganahalli village near 81st km of T B C.	15.00
2	1	Hemavathy	Kunigal	Constructing Seepage drain at Kantanahalli tank near village under T B C.	10.00
3	1	Hemavathy	Tipaturu	Constructing Seepage drain at sy no 6,8,9,52 near 6th and 7th km of N B C.	15.00
4	2	Hemavathy	Tipaturu	Constructing Seepage drain @ Sy no 65, 66 and 67 of Jaabaghatta village.	15.00
5	3	Hemavathy	Tipaturu	Constructing Seepage drain @ Sy no 128,129 of Ganganagatta village.	30.00
					<b>GRAND TOTAL = 85.00 Lakhs.</b>

**5.5: TALUK Wise Fresh Works Proposed Under P.M.K.S.Y Scheme For -RRR Feeder Canal**

Sl. No.	District	Taluk	Name of the work	Estimated Cost (Rs. In Lakhs)	Land Acquisition amount	Potential Planned (in Ha.)
			<b>IMPROVEMENTS TO FEEDER CHANNEL</b>			
1	Tumkur	Tumkur	Construcion of Feeder channel to ' Devara amanikere Tank Gulur Hobli	100.00	Nill	45.00
2	Tumkur	Tumkur	Construcion of Feeder channel to Halugondanahalli Tank, Urdigere Hobli	150.00	Nill	67.50
3	Tumkur	Tumkur	Improvements to feeder channel from Waste weir halla of Honnudikere Tank to Veeranayakanahalli Tank	200.00	Nill	90.00
4	Tumkur	Tumkur	Improvements to feeder channel from Waste weir halla of Honasagere Tank to Nagavalli Tank	200.00	Nill	90.00
5	Tumkur	Tumkur	Improvements to feeder channel from Waste weir halla of Nagavalli Tank	200.00	Nill	90.00
6	Tumkur	Tumkur	Improvements to Feeder channel from Waste weir Halla to Maralur Tank	200.00	Nill	90.00
7	Tumkur	Tumkur	Improvements to Shettihalli Uttaraghata Tank, & improvements to Feeder channel Shettihalli Uttaraghata tank	80.00	Nill	36.00
			<b>TOTAL</b>	<b>1130.00</b>		<b>508.50</b>
1	Tumkur	Koratagere	Improvements to Talaburige channel near Akkirampura village	50.00	Nill	22.50
2	Tumkur	Tumkur	Improvement to Chinaga Talaburige Feeder channel to Hiregundagal/Chikkagundagal Tanks	40.00	Nill	18.00
3	Tumkur	Koratagere	Improvements to Talaburige Feeder channel Mallappanahalli to Jayamangali river	30.00	Nill	13.50

4	Tumkur	Koratagere	Improvements to Feeder channel from Maripalya Anupanahalli New Tank	30.00	Nill	13.50
5	Tumkur	Koratagere	Improvements to Feeder channel from Jampenahalli Tank to Hulikunte Tank	30.00	Nill	13.50
6	Tumkur	Koratagere	Improvements to Feeder channel from Jayamangali river to Nitrahalli Tank	30.00	Nill	13.50
7	Tumkur	Koratagere	Improvements to feeder channel from Nitrahalli tank Hanumanthapura Tank	40.00	Nill	18.00
8	Tumkur	Koratagere	Construction of Talaburige Kalyani and Improvements to Canal.	40.00	Nill	18.00
9	Tumkur	Koratagere	Improvements to Talaburige channel near Bandichowdanahalli village	30.00	Nill	13.50
10	Tumkur	Koratagere	Improvements to Feeder channel from Doddasaggere W.W. Halla/ Feeder channel to Oudharanahalli Tank	40.00	Nill	18.00
11	Tumkur	Koratagere	Construction of Protection wall to Gokatte near Bychenahalli village	40.00	Nill	18.00
12	Tumkur	Koratagere/ Tumkur	Construction of Gokatee in Sy.nO. 36 of Kempanadodderi village, Kora Hobli	30.00	Nill	13.50
13	Tumkur	Koratagere	Improvement Pickup on Thovinakere-Kurihalli Road in C.N. Durga Hobli	100.00	Nill	45.00
14	Tumkur	Koratagere	Improvements Feeder channel from Devarakere to Hariharappa Palya-Chikkegowdana Palya	30.00	Nill	13.50
15	Tumkur	Koratagere	Improvements Feeder channel & Construction of CD's behind Hulikunte Tank.	30.00	Nill	13.50
16	Tumkur	Koratagere	Improvements Feeder channel from Jampenahalli Tank to Hulikunte Dodddakere.	80.00	Nill	36.00
17	Tumkur	Koratagere	Improvements Feeder channel from Mavukere Tank W.W Halla to Kestur Tank	60.00	Nill	27.00
18	Tumkur	Koratagere	Constn. Of Check, dam in Sy.No.13 across W.W.Halla near Venkannanahalli	30.00	Nill	13.50
19	Tumkur	Koratagere	Protective works to W.W Halla of Guttalahalli and Existing Bridge	40.00	Nill	18.00
20	Tumkur	Koratagere	Protective works to Kumbarahalla Sy.No.173 to 180 near Vadanahalli Village (500M long)	30.00	Nill	13.50
21	Tumkur	Kortagere	Providing Distributory channel from Baraka new Tank in Baraka village	40.00	Nill	18.00

22	Tumkur	Kortagere	Improvements to Feeder channel from Suvarnamukhi River to Akkirampura Tank	100.00	Nil	45.00
23	Tumkur	Kortagere	Protective works to halla in sy.No. 142,143,143/2,143/3 of H.B.Sheshadri son of Balakrishnachar's land (2 sides Protective wall of length 400.00Mtrs.)	250.00	Nil	112.50
			<b>TOTAL</b>	<b>550.00</b>		<b>247.50</b>
1	Tumkur	Madhugiri	Excavation of Feeder channel from K.T. Halli Tank to Kavanadala Tank	50.00	Nil	22.50
2	Tumkur	Madhugiri	Excavation of Feeder channel from Mydanahalli Tank Waste weir to Muthurayanakere Tank	50.00	Nil	22.50
3	Tumkur	Madhugiri	Excavation of Feeder channel from Thingalur village to Thingalur Tank	50.00	Nil	22.50
4	Tumkur	Madhugiri	Excavation of Feeder channel from Jayamangali river to Theriyur Tank	50.00	Nil	22.50
5	Tumkur	Madhugiri	Excavation of Feeder channel from Jayamangali river to Kodigenahalli Tank	50.00	Nil	22.50
6	Tumkur	Madhugiri	Excavation of Feeder channel from Kumudwathi river to Kadagathur Tank	50.00	Nil	22.50
7	Tumkur	Madhugiri	Excavation of Feeder channel from Kumudwathi river to Gundagal Tank	50.00	Nil	22.50
8	Tumkur	Madhugiri	Excavation of Feeder channel from Chikannana gutte to feed water to Thaigondanahalli Tank	50.00	Nil	22.50
9	Tumkur	Madhugiri	Excavation of Feeder channel from Jayamangali river to feed water to Singanahalli Tank	50.00	Nil	22.50
10	Tumkur	Madhugiri	Construction of New Feeder channel from Doddamalur Tank to Dasarahalli Tank & feed the water from Dasarahalli Tank to Kalidevapura and Gundagal Tanks	200.00	Nil	90.00
11	Tumkur	Madhugiri	Protective works & river training works to Jayamangali River near Immadigondanahalli village	100.00	Nil	45.00
12	Tumkur	Madhugiri	Protective works to Hosakere W.W. Halla near Hosapalya village, Midigeshi Hobli	100.00	Nil	45.00

13	Tumkur	Madhugiri	Protective works to Halla near Avaragallu village in Sy.No.63/1 ,Medigeshi Hobli	50.00	Nil	22.50
			<b>TOTAL</b>	<b>600.00</b>		<b>270.00</b>
43			<b>Grand Total</b>	2280.00		1026.00

**5.6: Taluk Wise Fresh Works Proposed Under P.M.K.S.Y Scheme For --AIBP**

Sl. No.	District	Taluk	Name of the work	Estimated Cost (Rs. In Lakhs)	Land Acquisition amount	Potential Planned (in Ha.)
1	3	4	2	5	7	8
1	Tumkur	Tumkur	Construction of Bridge cum Pickup Near Dasachari Palya village in Urdigere HobLi,	400.00	Nil	180.00
2	Tumkur	Tumkur	Construcition of Pickup in Sy.No. 5/21 of Ramakrishnapura village inTumkur Taluk	200.00	Nil	90.00
3	Tumkur	Tumkur	Construction of Pickup Across Waste weir Halla of Hebbur Amanikere Tank	100.00	Nil	45.00
4	Tumkur	Tumkur	Construcition of Pickup Across Feeder Channel of Kolihally Tank	100.00	Nil	45.00
5	Tumkur	Tumkur	Construcition of Pickup Across in Sy no:10 of Huchabasavana halli Village,Bellavi Hobli,	150.00	Nil	67.50
6	Tumkur	Tumkur	Construcition of check dam in Sy.No. 80/1A of Smt. Nanjamma Wife of Govindaiah o Doddagollahalli village, Hebbur Hobli.,	100.00	Nil	45.00
7	Tumkur	Tumkur	Construcition of check dam near Ramakrshnapura Village of Smt. Eramma d/o Venkatamma's land, Hebbur Hobli.,	100.00	Nil	45.00
8	Tumkur	Tumkur	Construcition of Check dam near Ajjibyranahalli village in Urdigere Hobli	500.00	Nil	225.00
9	Tumkur	Tumkur	Construcition of New Tank near Sorekunte village in Bellavi Hobli	150.00	Nil	67.50
10	Tumkur	Tumkur	Construcition of Check dam near Doddanaravangala village in Bellavi Hobli	100.00	Nil	45.00
11	Tumkur	Tumkur	Construcition of Check dam near Mallenahalli village in Bellavi Hobli	150.00	Nil	67.50
12	Tumkur	Tumkur	Construcition of Check dam near Karadigudda village in Urdigere Hobli	250.00	Nil	112.50
			<b>TOTAL</b>	<b>2300.00</b>		<b>1035.00</b>
1	Tumkur	Kunigal	Construction of Bridge cum barrage near Chikkamadure village across Shimsha River	300.00	Nil	135.00

2	Tumkur	Kunigal	Construction of Bridge cum Barrage across Kithnamangala Tank Waste weir Halla near Dasegowda Palya village	300.00	Nil	135.00
3	Tumkur	Kunigal	Construction of Bridge cum Barrage across Vandoorana Thore near Kithnamangala village	250.00	Nil	112.50
4	Tumkur	Kunigal	Construction L.I.Scheme across Shimsha river for filling the Tanks i.e., Deepambudi Tank and Kempambudi Tank, Halevoor Tank and Kodavathi Tanks	300.00	Nil	135.00
5	Tumkur	Kunigal	Construction L.I.Scheme across Shimsha river for filling the Tanks i.e., Bandihalli, Nidasale, Ujjani, Unaganahalli, P.Honnamachanahalli and Muddalingana Doddi Tanks	300.00	Nil	135.00
6	Tumkur	Kunigal	Construction of Check dam cum LLC Across Nagini River near Kaggere Temple, Kaggere village	200.00	Nil	90.00
7	Tumkur	Kunigal	Construction of check dam cum LLC across halla near Seegepalya village, Huliya durga Hobli, in Kunigal Taluk, Tumkur District	100.00	Nil	45.00
8	Tumkur	Kunigal	Construction of check dam cum cause way cross halla near Keballi village in Huliya durga Hobli, Kunigal Taluk, Tumkur District	100.00	Nil	45.00
9	Tumkur	Kunigal	Protective works to Nademavinapura Ane across Nagini River Halla of Nademavinapura village near Nademavinapura Bridge (N.H.75)	100.00	Nil	45.00
10	Tumkur	Kunigal	Construction of 2 Nos. check dams across Rangaswamy Gudda Thore Halla near Bilidevalaya village	100.00	Nil	45.00
11	Tumkur	Kunigal	Construction of 2 Nos. check dam across Waste weir Halla (Nagini River) near Nademavinapura village	100.00	Nil	45.00
12	Tumkur	Kunigal	Construction of Check dam cum LLC Across Kantanahalli Kere Halla near Hulivana Tank	100.00	Nil	45.00
13	Tumkur	Kunigal	Construction of check dam in Sy.No.82/2 across Dollahalli Thore near Yelekadakalu village, Huliya durga Hobli	80.00	Nil	36.00
14	Tumkur	Kunigal	Construction of check dam in Sy.No. 26/2 across Vaddana Thore near Yelekadakalu village, Huliya durga Hobli	80.00	Nil	36.00
15	Tumkur	Kunigal	Construction of check dam across Neeragundihalla near Chalamasandra village, Huliya durga Hobli, in Kunigal Taluk, Tumkur District	70.00	Nil	31.50
16	Tumkur	Kunigal	Construction of Check-dam across halla near Modur village in Kasaba hobli Kunigal Taluk	60.00	Nil	27.00



17	Tumkur	Kunigal	Construction of check dam cum LLC across Katheki branahaguddadahalla near Ippadi village, Utridurga Hobli, in Kunigal Taluk, Tumkur District	60.00	Nil	27.00
18	Tumkur	Kunigal	Construction of check dam across Nagini river near Basavanammathi kere village in Yadiyur hobli Kunigal Taluk	60.00	Nil	27.00
19	Tumkur	Kunigal	Construction of check dam across Dodda Thore near Seenappana halli village, Huliyyur durga Hobli	60.00	Nil	27.00
20	Tumkur	Kunigal	Construction of check dam cum Cause way across Sollepura Thore near Halevoor village, Huliyyur durga Hobli	60.00	Nil	27.00
21	Tumkur	Kunigal	Construction of check dams in Sy.No. 99, 94, & 98 of Kapanigowda and other's land across Chakkamukhi Halla near Halugondanahalli village	60.00	Nil	27.00
22	Tumkur	Kunigal	Construction of check dam across Halla in S.No.167 of Terada Kuppe village	50.00	Nil	22.50
23	Tumkur	Kunigal	Construction of check dam across Halla near Modur Kallanayakanahalli	80.00	Nil	36.00
			<b>TOTAL</b>	<b>2970.00</b>		<b>1336.50</b>
1	Tumkur	Koratagere	Construction of Bridge cum Barrage across Jayamangali river near Kyamenahalli Anjaneyaswamy Temple road.	220.00	Nil	99.00
2	Tumkur	Koratagere	Construction of Check dam cum Bridge Across Waste weir Halla of Mavathur Tank in Sy. No. 96,97 of Sri. B.N., Gopalakrishna"s land, Budamaranahalli village	250.00	Nil	112.50
3	Tumkur	Koratagere	Construction of Check dam cum Bridge Across Waste weir Halla of Mavathur Tank in Sy. No. 96,97 of Sri. B.N., Gopalakrishna"s land, Budamaranahalli village	250.00	Nil	112.50
4	Tumkur	Koratagere	Construction of Bridge cum Barage Across Jayamangali River near Sankenahalli village	200.00	Nil	90.00
5	Tumkur	Koratagere	Construction of Pickup cum Bridge Across Suvarnamukhi River near Akkirampura village	200.00	Nil	90.00
6	Tumkur	Koratagere	Construction of Bridge cum Barrage Across Suvarnamukhi River near Kattinagenahalli village	200.00	Nil	90.00
			<b>TOTAL</b>	<b>1320.00</b>		<b>594.00</b>

1	Tumkur	Madhugiri	Construction of Barrage cum Bridge to Vaddarahalli village in puravara Hobli, Madhugiri taluk	150.00	Nil	67.50
2	Tumkur	Madhugiri	Construction of Check Dam near Kammanakote village ( A.I.B.P-11TH Batch ( Cleared in Technical Advisory Committee)	200.00	Nil	90.00
3	Tumkur	Madhugiri	Construction of Check dam across Suvarnamukhi Halla near Badavanahalli village	200.00	Nil	90.00
4	Tumkur	Madhugiri	Construction of check dam cum Bridge across Jayamangali river near Kodigenahalli village	700.00	Nil	315.00
5	Tumkur	Madhugiri	Construcition of check Dam cum cause way across Suvarnamukhi river near Poojarahalli in Madhugiri Taluk, Tumkur Distrct	300.00	Nil	135.00
6	Tumkur	Madhugiri	Construction of Check dam Near Reddy Halli village in Kodigena halli Hobli, Madhugiri taluk	250.00	Nil	112.50
7	Tumkur	Madhugiri	Construction of check dam across Jayamangali river near Kalenahalli village, and construct the Feeder channel to Feed water to Polenahalli Tank	300.00	Nil	135.00
8	Tumkur	Madhugiri	Construction of Check dam cum cause across Halla near Balehalli-Shankara pura village	300.00	Nil	135.00
9	Tumkur	Madhugiri	Construction of check dam near Jaalihalli village	200.00	Nil	90.00
10	Tumkur	Madhugiri	Construction of Check dam cum Causeway Across Jayamangali River near byalya village in puravara Hobli, Madhugiri taluk	400.00	Nil	180.00
11	Tumkur	Madhugiri	Construction of Check dam cum Causeway Badachowdana halli village in puravara Hobli, Madhugiri taluk	400.00	Nil	180.00
12	Tumkur	Madhugiri	Construction of Check dam cum Bridge Near Kanapanayakana halli village in Dodderi Hobli, Madhugiri taluk	250.00	Nil	112.50
13	Tumkur	Madhugiri	Construction of Checkdam cum causeway near Annenahalli-Polenahalli village	400.00	Nil	180.00
14	Tumkur	Madhugiri	Construction of Check dam Near GaliHalli Village in puravara Hobli in Madhugiri taluk	100.00	Nil	45.00
15	Tumkur	Madhugiri	Construction of checkdam near Thippanahalli village	100.00	Nil	45.00
16	Tumkur	Madhugiri	Construction of check dam across Halla near Chikkathimmanahalli village	300.00	Nil	135.00
17	Tumkur	Madhugiri	Construction of Checkdam to Feeder channel near Maruvekere village	100.00	Nil	45.00
18	Tumkur	Madhugiri	Construction of check dam Near Lingasandra village	100.00	Nil	45.00

19	Tumkur	Madhugiri	Construction of Checkdam to Feeder channel of Siddapura Village	100.00	Nil	45.00
20	Tumkur	Madhugiri	Construction of Checkdam near Badavanahalli Village	100.00	Nil	45.00
21	Tumkur	Madhugiri	Construction of check dam near Hanumanahalli village	100.00	Nil	45.00
22	Tumkur	Madhugiri	Construction of check dam to Feeder channel of Garani Tank near Cheelahalli village	100.00	Nil	45.00
23	Tumkur	Madhugiri	Construction of check dam near Anjaneyaswamy Temple behind Keregala Palya village	100.00	Nil	45.00
24	Tumkur	Madhugiri	Construction of check dam Across Waste weir halla of Siddapura Tank	80.00	Nil	36.00
25	Tumkur	Madhugiri	Construction of check dam cum cause way Across Waste weir halla of Siddapura Tank	80.00	Nil	36.00
26	Tumkur	Madhugiri	Construction of Check dam Across Waste weir Halla of Bijawara Tank near Ganjalagunte village	80.00	Nil	36.00
27	Tumkur	Madhugiri	Construction of Check dam Near Obalapura Village in puravara Hobli, Madhugiri taluk	70.00	Nil	31.50
28	Tumkur	Madhugiri	Construction of check dam cum cause way near Appenahalli village	60.00	Nil	27.00
29	Tumkur	Madhugiri	Construction of check dam cum cause way near Nagenahalli Gollarahatti village	100.00	Nil	45.00
30	Tumkur	Madhugiri	Construction of Check dam across Gondihalla near Venkatapura Coloney	70.00	Nil	31.50
31	Tumkur	Madhugiri	Construction of check dam across Halla near Reddihalli village in Midigeshi Hobli	70.00	Nil	31.50
32	Tumkur	Madhugiri	Construction of checkdam cum cause way to halla near Gollarahatti to Dodderi road.	70.00	Nil	31.50
33	Tumkur	Madhugiri	Construction of check dam cum cause way across halla near Badigondanahalli village	100.00	Nil	45.00
34	Tumkur	Madhugiri	Construction of check dam cum cause way across halla near Bommethimmanahalli Rangappa's land	70.00	Nil	31.50
35	Tumkur	Madhugiri	Construction of Check dam cum cause way across Halla near Obalapura village	100.00	Nil	45.00
36	Tumkur	Madhugiri	Construction of Check dam cum,Bridge to Agrahara village, pura vara hobli, in Madhugiri taluk	70.00	Nil	31.50

37	Tumkur	Madhugiri	Construction of Check dam to Goorammanakatte Tank Feeder halla near Goorammanakatte village	80.00	Nil	36.00
38	Tumkur	Madhugiri	Construction of Check dam near Somlapura Karadigutte village	80.00	Nil	36.00
39	Tumkur	Madhugiri	Construction of new Feeder channel from Singanahalli to Polenahalli Tank to feed water to Polenahalli Tank	80.00	Nil	36.00
40	Tumkur	Madhugiri	Construction of check dam cum Causeway between Kadagathur and hosalli Village across kumadvathi River in kodigenahalli Hobli,	200.00	Nil	90.00
41	Tumkur	Madhugiri	Construction of check dam cum Causeway Near Thirumaladevarahalli Village across kumadvathi River in kodigenahalli Hobli,	200.00	Nil	90.00
			<b>TOTAL</b>	<b>6910.00</b>		<b>3109.50</b>
1	Tumkur	Turuvekere	Construction of check dam across halla near Manichandur lift Irrigation scheme in Turvekere Taluk, Tumkur District	500.00	Nil	225.00
2	Tumkur	Turuvekere	Construction of check dam across halla near Guddenahalli lift Irrigation scheme in Turvekere Taluk, Tumkur District	500.00	Nil	225.00
3	Tumkur	Turuvekere	Construction of check dam across halla near Malenahalli lift Irrigation scheme in Turvekere Taluk, Tumkur District	500.00	Nil	225.00
4	Tumkur	Turuvekere	Construction of protactive works to Shimsha river in Turvekere Taluk, Tumkur District	15000.00	Nil	6750.00
			<b>TOTAL</b>	<b>16500.00</b>		<b>7425.00</b>
1	Tumkur	Tiptur	Construction of check dam cum causeway across halla near Goragondanahalli in Kasaba hoblli, TipturTaluk, Tumkur District	60.00	Nil	27.00
2	Tumkur	Tiptur	Construction of check dam across halla near Kalkere Village in Honnavalli hoblli, TipturTaluk, Tumkur District	70.00	Nil	31.50
3	Tumkur	Tiptur	Construction of check dam across Halenahalli Guddada halla near Umapathi land in Mankinakere gramapanchayath, Honnavalli hoblli, TipturTaluk, Tumkur District	50.00	Nil	22.50
4	Tumkur	Tiptur	Construction of check dam across halla near Hunaseghatta Gramapanchayath, J. Mallenahalli Village, Nonavinkere hoblli, TipturTaluk, Tumkur District	50.00	Nil	22.50

5	Tumkur	Tiptur	Construction of check dam across halla near Masavanaghatta Gramapanchayath, Matadahalli Village, Nonavinkere hoblli, TipturTaluk, Tumkur District	30.00	Nil	13.50
6	Tumkur	Tiptur	Construction of check dam across halla near Kuppuru kere in Honnavalli hoblli, TipturTaluk, Tumkur District	80.00	Nil	36.00
7	Tumkur	Tiptur	Construction of check dam across halla near Ghatkikere village in Honnavalli hoblli, TipturTaluk, Tumkur District	80.00	Nil	36.00
8	Tumkur	Tiptur	Construction of check dam across halla near Chowlihalli village in Honnavalli hoblli, TipturTaluk, Tumkur District	60.00	Nil	27.00
9	Tumkur	Tiptur	Construction of check dam across Jabagatta kere kodihalla near Huchegowda'land in J.mallenahalli village in Nonavinakere hoblli, TipturTaluk, Tumkur District	30.00	Nil	13.50
10	Tumkur	Tiptur	Construction of check dam across Basavayana done halla near Adhinayakana halli village in Honnavalli hoblli, TipturTaluk, Tumkur District	40.00	Nil	18.00
11	Tumkur	Tiptur	Construction of check dam across halla near Kottigehalli village in Kibbanahalli hoblli, TipturTaluk, Tumkur District	30.00	Nil	13.50
12	Tumkur	Tiptur	Construction of check dam across peddihalli halla near Shanthanahalli village in Kasaba hoblli, TipturTaluk, Tumkur District	40.00	Nil	18.00
13	Tumkur	Tiptur	Construction of check dam across Dodda halla near Kottigehalli village in Honnavalli hoblli, TipturTaluk, Tumkur District	30.00	Nil	13.50
14	Tumkur	Tiptur	Construction of check dam across cholukatte halla near B.goudanakatte village in Honnavalli hoblli, TipturTaluk, Tumkur District	30.00	Nil	13.50
15	Tumkur	Tiptur	Construction of check dam across Heerebidare halla near Siddapura village in Kasaba hoblli, TipturTaluk, Tumkur District	30.00	Nil	13.50
16	Tumkur	Tiptur	Construction of check dam across Thorehalla near chandregouda's land in Dasarigatta village in Kasaba hoblli, TipturTaluk, Tumkur District	30.00	Nil	13.50
17	Tumkur	Tiptur	Construction of check dam cum causeway across Shimsha river near sy no 65 in Bajaguru village Nonavinakere hoblli, TipturTaluk, Tumkur District	100.00	Nil	45.00
18	Tumkur	Tiptur	Construction of check dam cum causaway across Thorehalla near sy no 112 of Shivakumar land in Bajaguru village Nonavinakere hoblli, TipturTaluk, Tumkur District	80.00	Nil	36.00

19	Tumkur	Tiptur	Construction of check dam across Doddahalla near Gatakinakere village Honnavalli hoblli, TipturTaluk, Tumkur District	70.00	Nil	31.50
20	Tumkur	Tiptur	Construction of check dam across halla near Siddamallamma land in madihalli village in kasabha hoblli, TipturTaluk, Tumkur District	50.00	Nil	22.50
21	Tumkur	Tiptur	Construction of check dam across halla near Sy no 127 of sadhashivappa land in Bennayakanahalli village, kasabha hoblli, TipturTaluk, Tumkur District	40.00	Nil	18.00
22	Tumkur	Tiptur	Construction of check dam across Shivara kere kodi halla near Deviprasad lanad in kasabha hoblli, TipturTaluk, Tumkur District	40.00	Nil	18.00
23	Tumkur	Tiptur	Construction of check dam across halla near Hunasegatta - Mattigatta in Nonvinkere hoblli, TipturTaluk, Tumkur District	50.00	Nil	22.50
24	Tumkur	Tiptur	Construction of check dam across halla near Kumarswamy land Bommalapura village in Kasaba hoblli, TipturTaluk, Tumkur District	40.00	Nil	18.00
25	Tumkur	Tiptur	Construction of check dam across halla near Sarojamma land in Beerasandra village in Kibbanahalli hoblli, TipturTaluk, Tumkur District	30.00	Nil	13.50
26	Tumkur	Tiptur	Construction of check dam across Ganganagatta Kodihalla near Ganjalagatta - Sasalahalli village in Nonavinkere hoblli, TipturTaluk, Tumkur District	30.00	Nil	13.50
27	Tumkur	Tiptur	Construction of check dam cum causeway across Brhammadevarahalla near Hunasegatta village in Nonavinkere hoblli, TipturTaluk, Tumkur District	50.00	Nil	22.50
28	Tumkur	Tiptur	Construction of check dam across Sy. No 62 of Basappa land in Bairanayakanahalli village in Honnavalli hoblli, TipturTaluk, Tumkur District	30.00	Nil	13.50
			<b>TOTAL</b>	<b>1350.00</b>		<b>607.50</b>
1	Tumkur	Sira	Construction of Check Dam / Causeway near Kusukunte in Sira Taluk Tumkur District.	172.00	Nil	77.40

2	Tumkur	Sira	Construction of Check Dam / Causeway to halla near Doddabanagere in Sira Taluk Tumkur District.	143.00	Nil	64.35
3	Tumkur	Sira	Construction of Barrage cum bridge near Titiganahalli in Sira Taluk Tumkur District.	185.00	Nil	83.25
4	Tumkur	Sira	Construction of Check Dam / Cause way to hall near Kurudanahalli in Sira Taluk Tumkur District.	180.00	Nil	81.00
5	Tumkur	Sira	Construction of Check Dam / Causeway to hall near Tuppadakona in Sira Taluk Tumkur District.	81.00	Nil	36.45
6	Tumkur	Sira	Construction of Check Dam / Causeway across hall near Yaramadanahalli village in Sira Taluk Tumkur District.	100.00	Nil	45.00
7	Tumkur	Sira	Construction of Check Dam Across Devarathore Halla near Chandlagada Tanda, Bukkapattana Hobli in Sira Taluk Tumkur District.	61.00	Nil	27.45
8	Tumkur	Sira	Construction of Check Dam Cum causeway across hall near Dasarahalli village in Sira Taluk Tumkur District.	121.00	Nil	54.45
9	Tumkur	Sira	Construction of Check Dam Cum causeway across hall near Dwaralu village in Sira Taluk Tumkur District.	95.00	Nil	42.75
10	Tumkur	Sira	Construction of Check Dam Cum Bridge across hall near Gollarahatti ( Hettapanahatti ) village in Sira Taluk Tumkur District.	199.00	Nil	89.55
11	Tumkur	Sira	Construction of Barrage Cum Bridge across hall near Huyilldore village in Sira Taluk Tumkur District.	192.00	Nil	86.40
12	Tumkur	Sira	Construction of Barrage Cum Bridge across hall near Kumbarahalli village in Sira Taluk Tumkur District.	150.00	Nil	67.50

13	Tumkur	Sira	Construction of Barrage Cum Bridge across hall near Yaladabagi village in Sira Taluk Tumkur District.	199.00	Nil	89.55
14	Tumkur	Sira	Construction of Check dam Cum Cause way near Kumbarahalli Buthappanagudi in Sira Taluk Tumkur District.	50.00	Nil	22.50
15	Tumkur	Sira	Construction of Check dam Cum Cause way near Honnenahalli in Sira Taluk Tumkur District.	40.00	Nil	18.00
16	Tumkur	Sira	Construction of barrage cum bridge near Bhuthakatanahalli village	450.00	Nil	202.50
17	Tumkur	Sira	Improvements to Madalur Tank in Sira Taluk	75.00	Nil	33.75
18	Tumkur	Sira	Construction of Barrage cum bridge across Waste weir halla of Sira Doddakere tank near Sira Lingadahalli road	200.00	Nil	90.00
19	Tumkur	Sira	Construction of pickup across Suvarnamukhi halla near Mustigarahalli	200.00	Nil	90.00
20	Tumkur	Sira	Construction of causway cum check dam across W.W. halla of Sira Doddakere near Halkur Oni	150.00	Nil	67.50
21	Tumkur	Sira	Construction of pick up across Halamaradahalla near Shivanaiahnapalya	125.00	Nil	56.25
22	Tumkur	Sira	Construction of pick up across Maranagere Melekote halla near Maranagere village	100.00	Nil	45.00
23	Tumkur	Sira	Construction of Bridge cum Barrage across the halla Near Musukaloti village	170.00	Nil	76.50
24	Tumkur	Sira	Construction of pickup across Chikkasandra tank feeder halla near Handimulku	200.00	Nil	90.00
25	Tumkur	Sira	construction of pickup across halla near Hunasehalli village in Sira taluk	250.00	Nil	112.50
26	Tumkur	Sira	construction of pickup in sy.no.38 in Chinnenahalli village in Sira taluk	100.00	Nil	45.00



27	Tumkur	Sira	Construction of Barrage cum bridge across waste-weir halla of Chikkasandra tank near Sorekunte in sira taluk	189.00	Nil	85.05
28	Tumkur	Sira	construction of pickup across Chowala halla near Veerabommanahalli village in Sira taluk	200.00	Nil	90.00
29	Tumkur	Sira	construction of pickup across Hulikunte tank feeder canal near Veerabommanahalli village in Sira taluk	150.00	Nil	67.50
30	Tumkur	Sira	construction of pickup across halla near Ranganathappa katte in Hulikunte Hobli, Sira taluk	150.00	Nil	67.50
31	Tumkur	Sira	construction of pickup across Thimmanasara near Veerabommanahalli village , Sira taluk	100.00	Nil	45.00
32	Tumkur	Sira	construction of pickup at Melukunte near Mallajjanakatte in Sira taluk	185.00	Nil	83.25
33	Tumkur	Sira	construction of pickup at Ramalingapura feeder canal near Maragondanahalli in Sira taluk	185.00	Nil	83.25
34	Tumkur	Sira	construction of pickup across Yaradakatte feeder halla near Kurubarahalli in Sira taluk	110.00	Nil	49.50
35	Tumkur	Sira	construction of pickup across Kodihalla to Doddagrahar village in Sira taluk	100.00	Nil	45.00
36	Tumkur	Sira	construction of pickup across halla near Vaddanahalli village in Sira taluk	100.00	Nil	45.00
37	Tumkur	Sira	construction of pickup across halla near Kanchiganahalli village in Sira taluk	175.00	Nil	78.75
38	Tumkur	Sira	construction of pickup at Kunigatanahalli halla in Sira taluk	100.00	Nil	45.00
39	Tumkur	Sira	construction of pickup across Hosur tank feeder halla near Muddenahalli in sira taluk	70.00	Nil	31.50

40	Tumkur	Sira	construction of new tank near Dandikere in sira taluk	80.00	Nil	36.00
41	Tumkur	Sira	Construction of Percolation tank in between Gopikunte and Yadaladaku Choulahola in Sira taluk	40.00	Nil	18.00
42	Tumkur	Sira	construction of pickup cum Cause way across halla near Channanakunte in Sy.No.58 in sira taluk	80.00	Nil	36.00
43	Tumkur	Sira	construction of pickup at Kasaba Sy.No.171/5, 171/6 in sira taluk	50.00	Nil	22.50
44	Tumkur	Sira	construction of pickup across halla near Balabasavanahalli village in Sira taluk	60.00	Nil	27.00
45	Tumkur	Sira	construction of pickup across halla near Holakal Sy.No.48 and 20 at Maddakkanahalli village in Sira taluk	50.00	Nil	22.50
46	Tumkur	Sira	construction of pickup across halla in Sy.No.67 and 68 of Honnenahalli village in Kasaba hobli, Sira taluk	50.00	Nil	22.50
47	Tumkur	Sira	construction of pickup cum causeway in sy.No240 of Borasandra village, Sira taluk	85.00	Nil	38.25
48	Tumkur	Sira	construction of pickup cum causeway across Chikkasandra tank feeder halla near Siddappanabande in Sira taluk	120.00	Nil	54.00
49	Tumkur	Sira	construction of pickup across halla near Bhoovanahalli Soukar Narayanappa land in Sira taluk	50.00	Nil	22.50
50	Tumkur	Sira	Construction of Checkdam across halla near Chikkasandra Kaval	100.00	Nil	45.00
51	Tumkur	Sira	Construction of Checkdam across feeder halla of Lakshmisagara tank	100.00	Nil	45.00
52	Tumkur	Sira	Construction of Checkdam cum causeway near Katmala	200.00	Nil	90.00

53	Tumkur	Sira	Construction of checkdam cum bridge across halla near Shidlekona	200.00	Nil	90.00
54	Tumkur	Sira	Construction of Checkdam Cum Bridge across Bhupasandra feeder halla in between Uddaiahanapalya and Ganganahalli village	200.00	Nil	90.00
55	Tumkur	Sira	Construction of Percolation tank near Uddana Chikkanahatti Village.	100.00	Nil	45.00
56	Tumkur	Sira	Construction of Check dam cum cause way across halla near Shanubogas land in Bukkapatana	125.00	Nil	56.25
57	Tumkur	Sira	Construction of Checkdam cum causeway across Shamajjana halla near Bukkapatana	150.00	Nil	67.50
58	Tumkur	Sira	Construction of Check dam across halla near Borasandra village.	35.00	Nil	15.75
59	Tumkur	Sira	Construction of Check dam across feeder halla of Mooganahalli kere.	35.00	Nil	15.75
60	Tumkur	Sira	Construction of Barrage across halla near Bidarekere	300.00	Nil	135.00
61	Tumkur	Sira	Construction of Check dam cum cause way across Suvarnamukhi near Narayanapura	250.00	Nil	112.50
62	Tumkur	Sira	Construction of Check dam in Bandakunte sy.no.123	10.00	Nil	4.50
63	Tumkur	Sira	Construction of Check dam in Karemahanahalli sy.no.66	8.00	Nil	3.60
64	Tumkur	Sira	Construction of Check dam in Magodu sy.no.51	40.00	Nil	18.00
65	Tumkur	Sira	Construction of Check dam cum cause way across Halla near Kaluvarahalli	150.00	Nil	67.50
66	Tumkur	Sira	Construction of Check dam cum cause way across Halla in Siddapura sy.no.5	150.00	Nil	67.50
			<b>TOTAL</b>	<b>8620.00</b>		<b>3879.00</b>

1	Tumkur	C.N. halli	Construcition of check dam across halla near Marenadu village in C.N.halli Taluk, Tumkur District	95.00	Nil	42.75
2	Tumkur	C.N. halli	Construcition of check dam across halla near Kemparayanahalli village in C.N.halli Taluk,Tumkur Districtt	52.00	Nil	23.40
3	Tumkur	C.N. halli	Construcition of check dam across Torehalla near Niruvagallu village in C.N.halli Taluk, Tumkur District	62.00	Nil	27.90
4	Tumkur	C.N. halli	Construction of bridge cum Barrage near Gube halli thore halla in Handana kere hobli C.N. Halli taluk	300.00	Nil	135.00
5	Tumkur	C.N. halli	Construction of bridge cum Barrage for Gantenahalli west weir halla near Mylukabbe village Kandikere hobli	300.00	Nil	135.00
6	Tumkur	C.N. halli	Construction of pick up across Halla near Ambarapura in C.N. Halli taluk	100.00	Nil	45.00
7	Tumkur	C.N. halli	Construction of pick up near Gubehalli Thore halla in C.N. Halli taluk	100.00	Nil	45.00
8	Tumkur	C.N. halli	Construction of pick up across singada halli waste-weir halla neaar singada halli village in C.N. Halli taluk	100.00	Nil	45.00
9	Tumkur	C.N. halli	Construction of Barrage Cum Bridge Near Marenadu Village C.N. Halli taluk	300.00	Nil	135.00
10	Tumkur	C.N. halli	Construcition of check dam across halla near Badakegudlu village in C.N.halli Taluk, Tumkur District	100.00	Nil	45.00
11	Tumkur	C.N. halli	Construcition of check dam across halla near Gantena halli village in C.N.halli Taluk, Tumkur District	80.00	Nil	36.00
12	Tumkur	C.N. halli	Construcition of check dam cum Cause way acrpss halla near Ranganakere village in Hulyiar Hobli in C.N.halli Taluk, Tumkur District	120.00	Nil	54.00

13	Tumkur	C.N. halli	Construcion of check dam across kandikere, Novinakere waste weir halla near Kandikere village in C.N.halli Taluk, Tumkur District	50.00	Nil	22.50
14	Tumkur	C.N. halli	Construcion of check dam across Shettikere halla near Kurubarahalli S.No: 35/3 in C.N.halli Taluk, Tumkur District	50.00	Nil	22.50
15	Tumkur	C.N. halli	Construcion of check dam across Rangaiahnaguddada halla near Mylakabbe village in C.N.halli Taluk, Tumkur District	80.00	Nil	36.00
16	Tumkur	C.N. halli	Construcion of check dam across Rangaiahnaguddada halla near Mylakabbe village in C.N.halli Taluk, Tumkur District	80.00	Nil	36.00
			<b>TOTAL</b>	<b>1969.00</b>		<b>886.05</b>
1	Tumkur	Pavagada	Construction of Check Dam Across DoddaHalla Near Arlahalli , In pavagada Taluk.	70.00	Nil	31.50
2	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near Maradi Palya, In Pavagada Taluk	60.00	Nil	27.00
3	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near Devara Betta , in Pavagada Taluk	70.00	Nil	31.50
4	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near B.AchhammanaHalli in Pavagada Taluk	75.00	Nil	33.75
5	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near Chikka Halli in Pavagada Taluk	80.00	Nil	36.00
6	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near Doddahalli in Pavagada Taluk	70.00	Nil	31.50
7	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near Bhupur in Pavagada	60.00	Nil	27.00

			Taluk			
8	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near Palavalli Hosahalli in Pavagada Taluk	60.00	Nil	27.00
9	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near Maddibande in Pavagada Taluk	70.00	Nil	31.50
10	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near Byadanuru in Pavagada Taluk	60.00	Nil	27.00
11	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near Srirangapura in Pavagada Taluk	60.00	Nil	27.00
12	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near Thimmanahalli, Bheemanakunte in Pavagada Taluk	70.00	Nil	31.50
13	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near Jangamarahalli in Pavagada Taluk	60.00	Nil	27.00
14	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near Marur Temple in Pavagada Taluk	60.00	Nil	27.00
15	Tumkur	Pavagada	Construction of Check Dam Across , Dodda Halla, Near Budasanahalli in Pavagada Taluk	80.00	Nil	36.00
			<b>TOTAL</b>	<b>1005.00</b>		<b>452.25</b>
1	Tumkur	Gubbi	Construction of check dam across hall near Karadigudda village in Gubbi Taluk, Tumkur District	53.00	Nil	23.85
2	Tumkur	Gubbi	Construction of check dam across hall near Haradagere village in Gubbi Taluk, Tumkur District	59.00	Nil	26.55

3	Tumkur	Gubbi	Construcition of check dam across hall near Echalakaval village in Gubbi Taluk, Tumkur District	73.00	Nil	32.85
4	Tumkur	Gubbi	Construcition of check dam across hall near Ankasandra village in Gubbi Taluk, Tumkur District	75.00	Nil	33.75
5	Tumkur	Gubbi	Construcition of check dam across Uppenahalla Madenahalli Majare Menasina Hatti village in Gubbi Taluk, Tumkur District	95.00	Nil	42.75
6	Tumkur	Gubbi	Construcition of check dam across Madenahalli village in Gubbi Taluk, Tumkur District	65.00	Nil	29.25
7	Tumkur	Gubbi	Construcition of check dam across Halla near Gowri Pura Chellur Hoblli in Gubbi Taluk, Tumkur District	75.00	Nil	33.75
8	Tumkur	Gubbi	Construcition of check dam across Sy.no 82 Near Kondly Village in Gubbi Taluk, Tumkur District	73.00	Nil	32.85
9	Tumkur	Gubbi	Construcition of check dam across Halla Near Dooda Hedigena halli Village in Gubbi Taluk, Tumkur District	70.00	Nil	31.50
10	Tumkur	Gubbi	Construcition of check dam across Halla Near Revanalu Village in Gubbi Taluk, Tumkur District	90.00	Nil	40.50
11	Tumkur	Gubbi	Construcition of check dam at Sy. No 186 Kondly Village in Gubbi Taluk, Tumkur District	65.00	Nil	29.25
			<b>TOTAL</b>	<b>793.00</b>		<b>356.85</b>
			<b>Grand Total</b>	43737.00		19681.65

**5.7: Taluk Wise Fresh Works Proposed Under P.M.K.S.Y Scheme For--- MORD**

Sl. No.	District	Taluk	Name of the work	Estimated Cost (Rs. In Lakhs)	Land Acquisition amount	Potential Planned (in Ha.)
1	3	4	2	5	7	8
			PERCOLATION TANK			
1	Tumkur	Tumkur	Construcion of Percolation Tank in Sy.No.91 of Koratagere village in Gulur Hobli	150.00	NILL	67.50
2	Tumkur	Tumkur	Construcion of Percolation Tank near Vadekal village, Urdigere HobLi	200.00	NILL	90.00
3	Tumkur	Tumkur	Construcion of new Tank in Sy.No. 68 of Aregujjanahalli village, in Urdigere Hobli	200.00	NILL	90.00
4	Tumkur	Tumkur	Construcion of Percolation Tank near Suragondanahalli Village in urdigere Hobli	150.00	NILL	67.50
			<b>TOTAL</b>	<b>700.00</b>		<b>315.00</b>
1	Tumkur	Kunigal	Constrution of percolation tank near Hangarahalli village	100.00	NILL	45.00
2	Tumkur	Kunigal	Constrution of percolation tank near Menasinagere Doddi village	100.00	NILL	45.00
3	Tumkur	Kunigal	Constrution of percolation tank near Bandigowdanahalli village	80.00	NILL	36.00
4	Tumkur	Kunigal	Constrution of percolation tank across Bellebettadathore near Seegepalya village	80.00	NILL	36.00
			<b>TOTAL</b>	<b>360.00</b>		
1	Tumkur	Koratagere	Construction Percolation Tank near Bedara Agrahara village in Kolala Hobli	100.00	NILL	45.00
2	Tumkur	Koratagere	Construction Percolation Tank in Sy.No.30 of Chikkathotluke village	50.00	NILL	22.50
3	Tumkur	Koratagere	Construction Percolation Tank in Sy.No.36 of Chikkarangaiah land of Chinaga village.	50.00	NILL	22.50



4	Tumkur	Koratagere	Construction Percolation Tank in Sy.No.15 of Kathinagenahalli village	50.00	NILL	22.50
5	Tumkur	Koratagere	Construction Dykes Across Jayamangali river near Cheelaganahalli village	50.00	NILL	22.50
			<b>TOTAL</b>	<b>300.00</b>		
1	Tumkur	Madhugiri	Construction of Percolation Tank Near Thirumaladevara halli village in Kasaba Hobli, Madhugiri taluk	99.00	NILL	44.55
			<b>TOTAL</b>	99.00		
1	Tumkur	Tiptur	Construction of Percolation tank near Kullavalla in Bhyrapura village in Honnavalli hoblli, TipturTaluk, Tumkur District	60.00	NILL	27.00
2	Tumkur	Tiptur	Construction of Percolation Tank near mugthihalli Village in Nonavinkere hoblli, TipturTaluk, Tumkur District	30.00	NILL	13.50
3	Tumkur	Tiptur	Construction of Percolation tank near Timmarayanahalli village in Honnavalli hoblli, TipturTaluk, Tumkur District	60.00	NILL	27.00
			<b>TOTAL</b>	150.00		
1	Tumkur	C.N. halli	Construction of Perculation Tank near Harenahalli Gate in C.N.Halli Taluk Tumkur District.	50	NILL	22.50
2	Tumkur	C.N. halli	Construction of Perculation Tank near Hanumanthanahalli village in C.N.Halli Taluk Tumkur District.	80	NILL	36.00
			<b>TOTAL</b>	130.00		58.50
1	Tumkur	Gubbi	Construction of Percolation tank across Ramabavi halla in Virupakshipura village, Nitturu hoblli, Gubbi Taluk, Tumkur District	150.00	NILL	67.50
			<b>TOTAL</b>	150.00		67.50
			<b>Total</b>	1889.00		441.00

1	Tumkur	Tumkur	Construction of Pickup in Sy.No. 3/1 of Vanakshi's Land near Ajjappanahalli village in Kasaba Hobli	20.00	NILL	9.00
2	Tumkur	Tumkur	Construction of Check dam in Sy.No.98 of Koratagere village in Gulur Hobli	100.00	NILL	45.00
3	Tumkur	Tumkur	Construction of Check dam in Sy.No.97 of Koratagere village in Gulur Hobli	100.00	NILL	45.00
4	Tumkur	Tumkur	Construction of Check dam in Sy.No.95 of Koratagere village in Gulur Hobli	100.00	NILL	45.00
5	Tumkur	Tumkur	Construction of Check dam in Sy.No.60/2 near Bommanahalli village, Gulur Hobli	100.00	NILL	45.00
6	Tumkur	Tumkur	Construction of Check Dam Sy.No. 72/1 of Huchabasavanahalli, Bellavi Hobli	100.00	NILL	45.00
7	Tumkur	Tumkur	Construction of Check Dam Sy.No. 55 of Huchabasavanahalli, Bellavi Hobli	100.00	NILL	45.00
8	Tumkur	Tumkur	Construction of Check Dam Sy.No. 28 of Huchabasavanahalli, Bellavi Hobli	100.00	NILL	45.00
9	Tumkur	Tumkur	Construction of Check Dam Sy.No.34 of Huchabasavanahalli, Bellavi Hobli	100.00	NILL	45.00
10	Tumkur	Tumkur	Construction of Check Dam Sy.No.72 of Huchabasavanahalli, Bellavi Hobli	100.00	NILL	45.00
11	Tumkur	Tumkur	Construction of Bridge cum pickup in Sy. No. 23 of Beeranakal village, Kasaba Hobli	150.00	NILL	67.50
12	Tumkur	Tumkur	Construction of Check dam cum Bridge in Sy.No.3/1 of Sri. Thimmegowda son of Bheemaiah's land near Swamdenahalli village	100.00	NILL	45.00
13	Tumkur	Tumkur	Construction of of check dam Kariyamma w/O Thimmaiah Chinavarahalli village, Beladhara panchayat.	20.00	NILL	9.00
14	Tumkur	Tumkur	Construction of of check dam near Ramaiah son of Gundaiah's land in Gowdanakatte village	20.00	NILL	9.00
15	Tumkur	Tumkur	Construction of of check dam near Shekaraiah son of Gundaiah's land in Gowdanakatte village	20.00	NILL	9.00
16	Tumkur	Tumkur	Construction of of check dam near Chandrashekar son of Srirangiah's land in Gowdanakatte village	20.00	NILL	9.00

17	Tumkur	Tumkur	Construction of of Series of check dams acrss Doddahalla Feeder channel of Kesthur Tank village	80.00	NILL	36.00
18	Tumkur	Tumkur	Construction of Checkam ACROSS Jayamangali river near Sankenahalli village	80.00	NILL	36.00
			<b>TOTAL</b>	<b>1410.00</b>		<b>634.50</b>
1	Tumkur	Kunigal	Construction of Check dam across Halla at Modur Kalnayakanahalli Channabovi's land	50.00	NILL	22.50
2	Tumkur	Kunigal	Construction of Checkdam to Halla near Beechanahalli village	50.00	NILL	22.50
3	Tumkur	Kunigal	Construction of check dam to Halla near Kantanahalli village	50.00	NILL	22.50
4	Tumkur	Kunigal	Construction of check dam cum L.L.C. Across Halla near Chikkamalalawadi village	50.00	NILL	22.50
5	Tumkur	Kunigal	Construction of check dam Jangali Halla near Chikkamalawadi village	50.00	NILL	22.50
6	Tumkur	Kunigal	Construction of check dam in Sy.No.42 of Kodihalla near Shivanahalli village	50.00	NILL	22.50
7	Tumkur	Kunigal	Construction of check dam cum LLC across halla near Benachakallu-Kadubornahalli village	30.00	NILL	13.50
8	Tumkur	Kunigal	Construction of check dam in Sy.No.73 and 78 across halla near Kithnamangala village	30.00	NILL	13.50
9	Tumkur	Kunigal	Construction of check dam in Sy.No.90 across halla Konthanathore (Gundala Thopu) near Kithnamangala village	30.00	NILL	13.50
10	Tumkur	Kunigal	Construction of Check dam in Sy.No 102/1 Across Halla near Haluvagilu village	25.00	NILL	11.25

11	Tumkur	Kunigal	Construction of Check dam in Sy.No 36/2 Across Halla near Channaiahna Palya h/o Haluvagilu village	25.00	NILL	11.25
12	Tumkur	Kunigal	Construction of check dam in Sy.No.53 across Halla near Chalamasandra village	20.00	NILL	9.00
13	Tumkur	Kunigal	Construction of check dam in Sy.No.8 across Halla near P.Honnamachanahalli village	20.00	NILL	9.00
14	Tumkur	Kunigal	Construction of check dam in Sy.No.193 across Halla near Nidasale village	20.00	NILL	9.00
15	Tumkur	Kunigal	Construction of check dam in Sy.No.36 across Halla near Ujjani village	20.00	NILL	9.00
16	Tumkur	Kunigal	Construction of check dam in Sy.No.23 across Halla near Hithlapura village	20.00	NILL	9.00
17	Tumkur	Kunigal	Construction of check dam in Sy.No.99 of Yakkalakatte Halla near in Theppasandra village	20.00	NILL	9.00
18	Tumkur	Kunigal	Construction of check dam across Honnahalli Halla near in Ujjani village	20.00	NILL	9.00
19	Tumkur	Kunigal	Construction of check dam in Sy.No. 107 across Adda Halla near Kaduboranahalli village	20.00	NILL	9.00
20	Tumkur	Kunigal	Construction of check dam in Sy.NO. 318 across Halla near Bandihalli village	20.00	NILL	9.00
21	Tumkur	Kunigal	Construction of check dam across Kodi Halla near Herur village	20.00	NILL	9.00
22	Tumkur	Kunigal	Construction of check dam in Sy No.5/3 across Halla near Kithaghatta village	20.00	NILL	9.00

23	Tumkur	Kunigal	Construction of check dam in Sy No.85/1b across Halla near Sobaganahalli village	20.00	NILL	9.00
24	Tumkur	Kunigal	Construction of check dam in Sy No.44/6A across Halla near Hulipura village	20.00	NILL	9.00
25	Tumkur	Kunigal	Construction of check dam in Sy No. 20 across Chelli Halla near Madgonahalli village	20.00	NILL	9.00
26	Tumkur	Kunigal	Construction of Check dam in Sy.No.65/2 of Huthri village across Halla Haluvagilu village	20.00	NILL	9.00
27	Tumkur	Kunigal	Construction of Check dam in Sy.No.160/2a of across Halla Haluvagilu village	20.00	NILL	9.00
28	Tumkur	Kunigal	Construction of Check dam I cum L.L.C in Sy.No.58/2 Across Halla near Haluvagilu village	20.00	NILL	9.00
29	Tumkur	Kunigal	Construction of Check dam in Sy.No 98/1 Across Halla near Tharemarada Palya village	20.00	NILL	9.00
30	Tumkur	Kunigal	Construction of Check dam in Sy.No.98 of Thippanayakanahalli village	20.00	NILL	9.00
31	Tumkur	Kunigal	Construction of Check dam in Sy.No.64 of Sonnayakanahalli village	10.00	NILL	4.50
32	Tumkur	Kunigal	Construction of Check dam in Sy.No.53 of Sonnayakanahalli village	10.00	NILL	4.50
33	Tumkur	Kunigal	Construction of Check dam in Sy.No.52/1 of Sonnayakanahalli village	10.00	NILL	4.50
34	Tumkur	Kunigal	Construction of Check dam in Sy.No.35 of P.Honnamachanahalli village	10.00	NILL	4.50

35	Tumkur	Kunigal	Construction of Check dam in Sy.No.28 of Kadaramanahalli village	10.00	NILL	4.50
36	Tumkur	Kunigal	Construction of Check dam in Sy.No.15/3, 15/4. 15/5 of Mallapura village	10.00	NILL	4.50
37	Tumkur	Kunigal	Construction of Check dam in Sy.No.157 of Madagonanahalli	10.00	NILL	4.50
			<b>TOTAL</b>	<b>890.00</b>	<b>0.00</b>	<b>400.50</b>
1	Tumkur	Koratagere	Construction of Pick up Across jayamangali river near Byrenahalli-Channasagara village	600.00	NILL	270.00
2	Tumkur	Koratagere	Construction of pickup across Jayamangali River in Sy.No. 16 of Yelerapura Village	150.00	NILL	67.50
3	Tumkur	Koratagere	Construction of check dam across Halla in between Upparahalli & Galihalli Road , in Koratagere Taluk, Tumkur District	100.00	NILL	45.00
4	Tumkur	Koratagere	Construction of check dam across Bolare Halla near Bikkegutte village , in Koratagere Taluk, Tumkur District	100.00	NILL	45.00
5	Tumkur	Koratagere	Construction of Check dam cum Bridge Across Halla from Vaddarahalli village to Agrahara Road to Byalya Tank	80.00	NILL	36.00
6	Tumkur	Koratagere	Construction of Check dam across Jayamangali river in Sy.No.52 of Rudraiah in Karidugganahalli village	80.00	NILL	36.00
7	Tumkur	Koratagere	Construction of check dam across Feeder canal of Hulikunte Dodda kere , in Koratagere Taluk, Tumkur District	70.00	NILL	31.50
8	Tumkur	Koratagere	Construction of check dam across Local Halla near Hulikunte Obaladevarahally , in Koratagere Taluk, Tumkur District	70.00	NILL	31.50
9	Tumkur	Koratagere	Construction of check dam across Bolare Halla near Venkannanahally , in Koratagere Taluk, Tumkur District	70.00	NILL	31.50
10	Tumkur	Koratagere	Construction of Check dam Across Halla flows from Doddanarasaihna Palya to Agrahara Tank in Sy.No.111 near Ajjihally village	50.00	NILL	22.50

11	Tumkur	Koratagere	Construction of Check dam to Eraiahna Halla near Hanchihalli village	50.00	NILL	22.50
12	Tumkur	Koratagere	Construction of check dam Across Kavaragal Bettga Halla in Sy.No. 130 of Tharati village.	50.00	NILL	22.50
13	Tumkur	Koratagere	Constn. Of Cause way cum checkdam across halla between Hosapete to Rayapura road	50.00	NILL	22.50
14	Tumkur	Koratagere	Constn. Of Cause way cum checkdam across halla between Bukkapatna-Gondihalli	50.00	NILL	22.50
15	Tumkur	Koratagere	Construction of pickup across Bolare Halla near Bikke Gutte Village	60.00	NILL	27.00
16	Tumkur	Koratagere	Construction of Check Dam in Sy.No. 54/3 of Feeder halla of Hulikunte Doddakere	50.00	NILL	22.50
17	Tumkur	Koratagere	Construction of Check dam across in Sy.No. 05 of Sri. V.Gangaiyah son of Venkatappa of Dodda thimmanahalli Village	60.00	NILL	27.00
18	Tumkur	Koratagere	Construction of Check dam in Sy.No 60 of Sri. Ramakrishnaiah son of Kadaraiah Chikkonahalli Village	50.00	NILL	22.50
19	Tumkur	Koratagere	Construction of Check dam in Sy.No. 150 of Smt. Narasamma wife Late Bhootaiah of Shambhonahalli village	50.00	NILL	22.50
20	Tumkur	Koratagere	Construction of Check dam Gopalakrishna"s land, Bhaktharahalli village in Sy.No.62	30.00	NILL	13.50
21	Tumkur	Koratagere	Construction of Check dam in Sy.No.57/1 of Chimpuganahally village	30.00	NILL	13.50
22	Tumkur	Koratagere	Construction of Check dam in Sy.No. 46 of Subbarayappa's land of Chikkahosahalli village	30.00	NILL	13.50
23	Tumkur	Tumkur	Construction Pickup near Beladara village in Kora Hobli	50.00	NILL	22.50
24	Tumkur	Koratagere	Construction of checkdam cum cause way across waste weir Halla of Thumbadi new tank between T. Gollahalli &Pakeerappana palya village	60.00	NILL	27.00
25	Tumkur	Koratagere	Construction of Dyke across Doddahalla near Dogganahalli village, C.N.Durga Hobli	100.00	NILL	45.00

26	Tumkur	Koratagere	Construction of Check dam Across Halla near Hanumantharayappa's house near Vaderahalli village	50.00	NILL	22.50
27	Tumkur	Koratagere	Construction of Pickup across Garudachala River near Byragondlu village, Kolala Hobli	200.00	NILL	90.00
28	Tumkur	Koratagere	Construction of Series of Check Dams across Halla near Yalamaganahalli village, Kolala Hobli	100.00	NILL	45.00
29	Tumkur	Koratagere	Construction of of Check Dam in Sy.No.1 of Honnenahalli village, Kolala Hobli	40.00	NILL	18.00
30	Tumkur	Koratagere	Construction of of Pickup across Jayamangali River near Vajjanakurike village	100.00	NILL	45.00
31	Tumkur	Koratagere	Construction of of Pickup across Jayamangali River near Maragondana guni village	100.00	NILL	45.00
32	Tumkur	Koratagere/ Tumkur	Construction of Check dam across Halla near Gowragondanahalli village, Kora Hobli	30.00	NILL	13.50
33	Tumkur	Koratagere	Construction of Check dam near Agrahara village in Kasaba Hobli	80.00	NILL	36.00
34	Tumkur	Koratagere	Construction of Check dam near Gattalahalli village in Kasaba Hobli	60.00	NILL	27.00
35	Tumkur	Koratagere	Construction of Pickup Across Halla near Tumbaganahalli village	40.00	NILL	18.00
36	Tumkur	Koratagere	Construction of Pickup Across Halla near Venkatapura village	30.00	NILL	13.50
37	Tumkur	Koratagere	Construction of Pickup Across Halla near Giddobanahalli village	30.00	NILL	13.50
38	Tumkur	Koratagere	Construction of Pickup Across Halla near Madavara village (2 Nos.)	50.00	NILL	22.50
39	Tumkur	Koratagere	Construction of Pickup Across Jayamangali River near Hosapalya Village	100.00	NILL	45.00
40	Tumkur	Koratagere	Construction of Check dam across Hosahalli Kere Halla in Sy.No.6 of Doddapalanahalli village	50.00	NILL	22.50
41	Tumkur	Koratagere	Construction of Check dam in the Land of Sri. Hanumanthaiah, Bychenahalli village	20.00	NILL	9.00



42	Tumkur	Koratagere	Construction of Check dam in the Land of Sri. Narasappa, Bychenahalli village	20.00	NILL	9.00
43	Tumkur	Koratagere	Construction of Check dam in Narasiyappa's Land near Thanaganahalli village	20.00	NILL	9.00
44	Tumkur	Koratagere	Construction of Series of pickup from Hulikunte Doddakere to Talaburige Channel.	80.00	NILL	36.00
45	Tumkur	Koratagere	Construction of of pickup across halla near Vajjanakurike village.	50.00	NILL	22.50
46	Tumkur	Koratagere	Construction of of pickup across jayamangali river near Lakshmaih Land of Vajjanakurike village.	150.00	NILL	67.50
47	Tumkur	Koratagere	Construction of of check dam in sy.no.36 of Chinaga Beladhara panchayat.	30.00	NILL	13.50
48	Tumkur	Koratagere	Construction of of check dam in sy.no.111 of Chinaga Beladhara panchayat.	30.00	NILL	13.50
49	Tumkur	Koratagere	Construction of of check dam in sy.nO. 90 of Chinivarahalli village Beladhara panchayat.	20.00	NILL	9.00
50	Tumkur	Koratagere	Construction of of check dam at Mariyappa Land near Jakkenahalli village Beladhara panchayat.	30.00	NILL	13.50
51	Tumkur	Koratagere	Construction of of check dam across halla near Mallaiahnapalya village of Beladhara panchayat.	30.00	NILL	13.50
52	Tumkur	Koratagere	Construction of of check dam In Rangaswamaiah Land of Narasipura village.Beladhara panchayat.	30.00	NILL	13.50
53	Tumkur	Koratagere	Construction of of check dam In sy.no.115 of Nanjappa s/o Veerabhadraiah near Chinavarahalli village, Beladhara panchayat.	20.00	NILL	9.00
54	Tumkur	Koratagere	Construction of Checkam ACROSS halla in Sy.No.14/1 Hosakote village	20.00	NILL	9.00
55	Tumkur	Koratagere	Constn of Checkam across halla in Sy.No.4 Hosakote village	20.00	NILL	9.00
56	Tumkur	Koratagere	Construction of Checkam ACROSS halla in Narasimha Murthy son of Narasimhaih's land of Honnenahalli village	20.00	NILL	9.00
57	Tumkur	Koratagere	Construction of Checkam ACROSS W.W. halla near Hosahalli village	20.00	NILL	9.00
58	Tumkur	Koratagere	Constn of Checkam ACROSS halla near Suryapura village	30.00	NILL	13.50

59	Tumkur	Koratagere	Construction of Checkam ACROSS halla in Sy.No.32 of Vajjanakurike village	20.00	NILL	9.00
60	Tumkur	Koratagere	Construction of Checkam ACROSS halla in Sy.No.4/2 of Byrasandra village	20.00	NILL	9.00
61	Tumkur	Koratagere	Construction of Checkam ACROSS halla in Sy.No.7/1 of Pathaganahalli village	30.00	NILL	13.50
62	Tumkur	Koratagere	Construction of Checkam ACROSS Feeder halla in Sy.No.298 of Puttasandra Tank village	30.00	NILL	13.50
63	Tumkur	Koratagere	Construction of Checkam ACROSS Feeder halla in Sy.No.274 of Hasahalli village	30.00	NILL	13.50
64	Tumkur	Koratagere	Construction of Checkam ACROSS halla in Sy.No 77/1 of Pakirappana Palya Megala thandya village	20.00	NILL	9.00
65	Tumkur	Koratagere	Construction of Checkam ACROSS W.W halla of Jamepenahalli Tank near Jampenahalli village	20.00	NILL	9.00
66	Tumkur	Koratagere	Construction of Checkam ACROSS Tumbadi halla Near Pakirappana Palya village	20.00	NILL	9.00
67	Tumkur	Koratagere	Construction of Checkam ACROSS halla pf Sri Muneshaiah's Land Sy.No.25 of K.G.Bevinahalli village	20.00	NILL	9.00
68	Tumkur	Koratagere	Construction of Checkams ACROSS Suvarnamukhi river behind Gattalahalli tank near Baraka village	200.00	NILL	90.00
69	Tumkur	Koratagere	Construction of Series Checkams ACROSS Kuntumaradahalla Behind Baraka NewTank	200.00	NILL	90.00
70	Tumkur	Koratagere	Construction of check dam across Feeder channel of Bukkapatna New Tank near Gutlatollahalli village	50.00	NILL	22.50
71	Tumkur	Koratagere	Construction of Series of check dam across Doddahalla near Chikkadoddavadi, Irakasandra, Singrihalli Gollarahatti & Bychenahalli Vaddahatti, Sanganahalli village	300.00	NILL	135.00
72	Tumkur	Koratagere	Construction of Pickup across Halla in Sy.No.89 Katanagudda to Doddanarasaiah's Palya Halla of Bittanakurike vikllage	100.00	NILL	45.00
73	Tumkur	Koratagere	Construction of Check dam in Sy.No.82/2 of Ganganala village	20.00	NILL	9.00
74	Tumkur	Koratagere	Construction of Check dam across Doddaiahna Halla near Kattinagenahalli village	50.00	NILL	22.50

75	Tumkur	Koratagere	Construction of Check dam in Sy.No.61/1 of Smt. Sujatha wife of Padmanabhaiah, of Cheelaganahalli village	20.00	NILL	9.00
76	Tumkur	Koratagere	Construction of Check dam across Halla near C.N.Durga Village	30.00	NILL	13.50
77	Tumkur	Koratagere	Construction of Check dam in Sy.No.13/1 & Sy.No.24 of Jampenahalli village	50.00	NILL	22.50
78	Tumkur	Koratagere	Construction of Check dam in Sy.No.13/1 & Sy.No.24 of Jampenahalli village	50.00	NILL	22.50
79	Tumkur	Koratagere	Construction of Pickups to W.W. Halla of Kolala Doddakere near Bheemasagara village	150.00	NILL	67.50
80	Tumkur	Koratagere	Construction of Pickups to W.W. Halla of Katenahalli near Katenahalli village	150.00	NILL	67.50
			<b>TOTAL</b>	<b>3740.00</b>	<b>0.00</b>	<b>922.50</b>
1	Tumkur	Madhugiri	Construction of check dam Waste weir halla of I.D.halli Tank near Chowlahalli village	50.00	NILL	22.50
2	Tumkur	Madhugiri	Construction of check dam across W.W.halla of Chandragiri Tank	40.00	NILL	18.00
3	Tumkur	Madhugiri	Construction of Check dam across W.W. Halla of I.D. Halli Tank for Tank filling to Thadi Tank	50.00	NILL	22.50
4	Tumkur	Madhugiri	Construction of check dam in Sy. No. 16/2 of Bandrehalli Village	50.00	NILL	22.50
5	Tumkur	Madhugiri	Construction of check dam across Gonishettikere Feeder canal near Poojarahalli village	50.00	NILL	22.50
6	Tumkur	Madhugiri	Construction of check dam in Sy.No.63/1 near Avaragal village ,Medigeshe Hobli	50.00	NILL	22.50
7	Tumkur	Madhugiri	Construction of Check dam near Sooraganahalli village	50.00	NILL	22.50
			<b>TOTAL</b>	<b>340.00</b>		<b>153.00</b>
1	Tumkur	Tiptur	Construction of check dam across kodi halla near Parvagondanahalli in Sarthavalli Village, Honnavalli hobli, Tiptur Taluk, Tumkur District	20.00	NILL	9.00

2	Tumkur	Tiptur	Construction of check dam across halla near Chandregowda land in Dasarighatta Village, Kasaba hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
3	Tumkur	Tiptur	Construction of check dam across halla near Gurugadahalli Village, Kasaba hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
4	Tumkur	Tiptur	Construction of check dam across halla near Vignasante Village in Nonavinkere hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
5	Tumkur	Tiptur	Construction of check dam across halla near B.Rangapura village in Nonnavalli hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
6	Tumkur	Tiptur	Construction of check dam across Jabagatta kere kodihalla near Hunasegatta village in Nonavinakere hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
7	Tumkur	Tiptur	Construction of check dam across Shivara kere kodihalla near Shivara village in Kasaba hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
8	Tumkur	Tiptur	Construction of check dam across Dodda halla near Singenahalli village in Kasaba hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
9	Tumkur	Tiptur	Construction of check dam across halla in SY No 57 near Ganganagatta village in nonavinakere hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
10	Tumkur	Tiptur	Construction of check dam across halla near rudramma's land in Beeresandra village in kibbanahalli hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
11	Tumkur	Tiptur	Construction of check dam across halla near Shankrappa's land in Gurugadahalli panchyath in Kasaba hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
12	Tumkur	Tiptur	Construction of check dam across halla near lingadahalli Kumarswamy's land in Tadasur panchyath in Kasaba hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00

13	Tumkur	Tiptur	Construction of check dam across halla near lingadahalli Kumarswamy's land in Tadasur panchyath in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
14	Tumkur	Tiptur	Construction of check dam across halla near Aaladahalli Nataraj's land in nonavinakere hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
15	Tumkur	Tiptur	Construction of check dam across halla near sannenahalli shivanangappa's land in nonavinakere hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
16	Tumkur	Tiptur	Construction of check dam across halla near rangapura-ballekatte in kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
17	Tumkur	Tiptur	Construction of check dam across halla near shankarappa's land in chikkakottigenahalli village in nonavinakere hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
18	Tumkur	Tiptur	Construction of check dam across halla near puttanna's land in kaydala village in nonavinakere hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
19	Tumkur	Tiptur	Construction of check dam across halla near Jayaram's land in kaydala village in nonavinakere hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
20	Tumkur	Tiptur	Construction of check dam across halla near Jayaram's land in kaydala village in nonavinakere hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
21	Tumkur	Tiptur	Construction of check dam across Thorehalla near sy no 251 in Tadasur village in kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
22	Tumkur	Tiptur	Construction of check dam across Thorehalla near sy no 11/4 in Chowdlapura village in kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
23	Tumkur	Tiptur	Construction of check dam across Thorehalla near railway shankarappa's land in madhlehalli village in kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50

24	Tumkur	Tiptur	Construction of check dam across halla near madesh land in Bhadrapura village in kibbanahalli hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
25	Tumkur	Tiptur	Construction of check dam across halla near sy no 133 sayed hameed's land in Eechanur kaval village in kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
26	Tumkur	Tiptur	Construction of check dam across halla near 11/p14 T.S.sadashivaiah land in Chwodlapura village in kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
27	Tumkur	Tiptur	Construction of check dam across halla near Basavaraju land in Chikkarangapura village in kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
28	Tumkur	Tiptur	Construction of check dam across halla near sy no 92 of chandrashekar land in Hosahalli village in kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
29	Tumkur	Tiptur	Construction of check dam across halla near Mahadevappa land in Anagondanahalli village in kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
30	Tumkur	Tiptur	Construction of check dam across hoovinakatte halla near Honnenahalli village in Nonavinakere hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
31	Tumkur	Tiptur	Construction of check dam across halla near Boraiah's land in Sasalahalli village in Nonavinakere hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
32	Tumkur	Tiptur	Construction of check dam across halla nearNarayanappa's land in Narsikatte village in Nonavinakere hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
33	Tumkur	Tiptur	Construction of check dam across matanahalli halla near Ramanna's land in Dasarikatte village in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
34	Tumkur	Tiptur	Construction of check dam across halla near Paramanna's land in Lingadahallivillage in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50

35	Tumkur	Tiptur	Construction of check dam across halla near sy no 55 of Shambulingaiah's land in kodihalli kaval in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
36	Tumkur	Tiptur	Construction of check dam across halla near sy no10/4 of Shivanna's land in kodihalli kaval in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
37	Tumkur	Tiptur	Construction of check dam across halla near Palaksha's land in Bhadrapura villaga in Kibbanahalli hobli TipturTaluk, Tumkur District	10.00	NILL	4.50
38	Tumkur	Tiptur	Construction of check dam across halla near Mahadevappa's land in aralaguppe village in Kibbanahalli hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
39	Tumkur	Tiptur	Construction of check dam across halla near su no 85 Radhakrishna's land in Madlehalli village in Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
40	Tumkur	Tiptur	Construction of check dam across halla near su no 7 kalandhar sab land in Kagehalli village in Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
41	Tumkur	Tiptur	Construction of check dam across halla near su no 39 of umesh land in Kottigehalli village in Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
42	Tumkur	Tiptur	Construction of check dam across halla near su no 87 of Muddalingegowda's land in Kottigehalli village in Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
43	Tumkur	Tiptur	Construction of check dam across halla near Gurupadayah land in Nyakenahalli village in Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
44	Tumkur	Tiptur	Construction of check dam across halla near Kumar's land in Bommenahalli village in Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50

45	Tumkur	Tiptur	Construction of check dam across halla near Sukar shankraiah land in Hoolihalli village in Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
46	Tumkur	Tiptur	Construction of check dam across halla near bidhimane mahalingaiahi land in hoolihalli village in Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
47	Tumkur	Tiptur	Construction of check dam across halla near sy no 1/40 of Ramalingappa land in Halkurke village in Honnavalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
48	Tumkur	Tiptur	Construction of check dam across halla near Rudrappa's land in Halkurke village in Honnavalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
49	Tumkur	Tiptur	Construction of check dam across halla near sy no 116/1 of M.D.Nataraj land in Madenur village in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
50	Tumkur	Tiptur	Construction of check dam across halla near sy no 105 in Lingadahalli village in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
51	Tumkur	Tiptur	Construction of check dam across halla near sy no 82 in Belagarahalli village in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
52	Tumkur	Tiptur	Construction of check dam across Gollarahatti halla near sy no 106 in Belagarahalli village in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
53	Tumkur	Tiptur	Construction of check dam across halla near sy no 141/1 in Moogathihalli village in Nonavinakere hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
54	Tumkur	Tiptur	Construction of check dam across halla near Kemparangaiah land in gurugadahalli village in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
55	Tumkur	Tiptur	Construction of check dam across Govinakatte halla nearHindisgere village in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50



56	Tumkur	Tiptur	Construction of check dam across halla near H.B.Nagraj land Eachnuru village in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
57	Tumkur	Tiptur	Construction of check dam across halla near sy no 53/5 of Lalitamma land in Chikkrangapura village in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
58	Tumkur	Tiptur	Construction of check dam across halla near sy no129 in Earalagere village in Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
59	Tumkur	Tiptur	Construction of check dam across sivara doddakere kodi halla in Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
60	Tumkur	Tiptur	Construction of check dam across halla near sy no 63/1 in Eachanur village Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
61	Tumkur	Tiptur	Construction of check dam across halla near sy no 8 in Kadashattihalli village Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
62	Tumkur	Tiptur	Construction of check dam across halla near sy no11 in Shiddlehalli village Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
63	Tumkur	Tiptur	Construction of check dam across halla near sy no 31/71Mahalingaiah land in Kodugalupalya village Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
64	Tumkur	Tiptur	Construction of check dam across halla near sy no 85 of Mudligiriappa land in Kaidala village Nonavinakere hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
65	Tumkur	Tiptur	Construction of check dam across halla near sy no 66/5 of Siddayah land in Kaidala village Nonavinakere hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
66	Tumkur	Tiptur	Construction of check dam across halla near sy no 2 of Galikeregouda land in Matanahalli village Nonavinakere hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50

67	Tumkur	Tiptur	Construction of check dam across halla near sy no 174 of Gangamma's land in Gurugadahalli village Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
68	Tumkur	Tiptur	Construction of check dam across halla near sy no 57/3 of Nanjundayah land in Hulkatte village Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
69	Tumkur	Tiptur	Construction of check dam across halla near sy no 77 of Kantharaju land in Byrapura-madlehalli village Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
70	Tumkur	Tiptur	Construction of check dam across halla near sy no 22/2of K.N.Maribasavaiya land in Kuppalu-madlehalli village Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
71	Tumkur	Tiptur	Construction of check dam across halla near sy no194 in Adhinayakanahalli village Honnavalli hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
72	Tumkur	Tiptur	Construction of check dam across halla near sy no 39/6 of M.Dayanandaswamy in Vasudevarahalli village Kasaba hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
73	Tumkur	Tiptur	Construction of check dam across halla near sy no313&313 of Jagadish in Suguru village Nonavinakere hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
74	Tumkur	Tiptur	Construction of check dam across vadenahalli kodi halla in Kallegowdanapalya village, kasabha hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
75	Tumkur	Tiptur	Construction of check dam across Kaidala kere kodi halla near Kaidala sy no 73 near Muguthihalli in Nonavinakere hoblli, TipturTaluk, Tumkur District inakere	20.00	NILL	9.00
76	Tumkur	Tiptur	Construction of check dam across halla near Kempegowda lanad in Karikere Villager Nonavinakere hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
77	Tumkur	Tiptur	Construction of check dam across hindiskere kodi halla in kasaba hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00

78	Tumkur	Tiptur	Construction of check dam across halla near Mallappa's land in Bhadrapura village in kibbanahalli hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
79	Tumkur	Tiptur	Construction of check dam across halla near Bhadrapura village in kibbanahalli hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
80	Tumkur	Tiptur	Construction of check dam across halla near Rajanna land Nonavinakere Village, Nonavinakere hoblli, TipturTaluk, Tumkur District	20.00	NILL	9.00
81	Tumkur	Tiptur	Construction of check dam across halla near Sy no 104, 103 & 105 in Hulihalli Village, Kibbanahalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
82	Tumkur	Tiptur	Construction of check dam across halla near Sy no 25 of Narashimahabovi land in Halenahalli Village, Honnavalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
83	Tumkur	Tiptur	Construction of check dam across halla near Sy no 1/60 of Rajappa land in Halkurike Village, Honnavalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
84	Tumkur	Tiptur	Construction of check dam across halla near Giriabovi land in Halenahalli Village, Honnavalli hoblli, TipturTaluk, Tumkur District	10.00	NILL	4.50
			<b>TOTAL</b>	<b>1100.00</b>		<b>495.00</b>
1	Tumkur	Pavagada	Construction of Check dam cum Cause way between Pavagada to Tukaralakunte in Pavagada Taluk Tumkur District.	70.00	NILL	31.50
2	Tumkur	Pavagada	Construction of Check dam cum Cause way between Pavagada to Tandenahalli in Pavagada Taluk Tumkur District.	150.00	NILL	67.50
3	Tumkur	Pavagada	Construction of Barrage across halla near Hosahalli in Pavagada Taluk Tumkur District.	100.00	NILL	45.00
4	Tumkur	Pavagada	Construction of Barrage across halla Kyathaganakere weist wear halla i in Pavagada Taluk Tumkur District.	120.00	NILL	54.00
5	Tumkur	Pavagada	Construction of Checkdam across Maddekere weast weir halla in Pavagada Taluk Tumkur District.	60.00	NILL	27.00

6	Tumkur	Pavagada	Construction of Checkdam across halla near Jangamarahalli hosahalli in Pavagada Taluk Tumkur District.	70.00	NILL	31.50
7	Tumkur	Pavagada	Construction of Checkdam across halla near kamanahatti in Pavagada Taluk Tumkur District.	70.00	NILL	31.50
			<b>TOTAL</b>	<b>640.00</b>		<b>288.00</b>
1	Tumkur	Sira	Construction of Percolation tank near Gopikunte Yaadaladaku Chowlhalla Sendivana	100.00	NILL	45.00
2	Tumkur	Sira	Construction of Checkdam across halla near Chikkasandra Kaval	100.00	NILL	45.00
3	Tumkur	Sira	Construction of Checkdam across feeder halla of Lakshmisagara tank	100.00	NILL	45.00
4	Tumkur	Sira	Construction of Checkdam cum causeway near Katmala	200.00	NILL	90.00
5	Tumkur	Sira	Construction of checkdam cum bridge across halla near Shidlekona	200.00	NILL	90.00
6	Tumkur	Sira	Construction of checkdam cum causeway across halla near Balenahalli	100.00	NILL	45.00
7	Tumkur	Sira	Construction of Percolation tank near Uddana Chikkanahatti Village.	100.00	NILL	45.00
8	Tumkur	Sira	Construction of Check dam cum cause way across halla near Shanubogas land in Bukkapatana	125.00	NILL	56.25
9	Tumkur	Sira	Construction of Checkdam cum causeway across Shamajjana halla near Bukkapatana	150.00	NILL	67.50
10	Tumkur	Sira	Construction of Check dam across halla near Borasandra village.	30.00	NILL	13.50
11	Tumkur	Sira	Construction of Check dam across feeder halla of Mooganahalli kere.	30.00	NILL	13.50
12	Tumkur	Sira	Construction of Barrage across halla near Bidarekere	300.00	NILL	135.00
			<b>TOTAL</b>	<b>835.00</b>		<b>375.75</b>
1	Tumkur	C.N. halli	Construction of Check dam across halla near Dabbakunte village in C.N.Halli Taluk Tumkur District.	50.00	NILL	22.50
2	Tumkur	C.N. halli	Construction of Check dam across halla near Dasudi village in C.N.Halli Taluk Tumkur District.	60.00	NILL	27.00
3	Tumkur	C.N. halli	Construction of Check dam across halla near T.Thandya village in C.N.Halli Taluk Tumkur District.	100.00	NILL	45.00
4	Tumkur	C.N. halli	Construction of Check dam across halla near Salakatte village in C.N.Halli Taluk Tumkur District.	60.00	NILL	27.00

5	Tumkur	C.N. halli	Construction of Check dam Cum causeway across halla near Mylakabbe S.No: 8/8 in Mylakabge village in C.N.Halli Taluk Tumkur District.	100.00	NILL	45.00
6	Tumkur	C.N. halli	Construction of Check dam across halla near Doddarampura village in C.N.Halli Taluk Tumkur District.	80.00	NILL	36.00
7	Tumkur	C.N. halli	Construction of Check dam across halla near Guruvapura village in C.N.Halli Taluk Tumkur District.	50.00	NILL	22.50
8	Tumkur	C.N. halli	Construction of Check dam across halla near Yalandau village in C.N.Halli Taluk Tumkur District.	50.00	NILL	22.50
9	Tumkur	C.N. halli	Construction of Check dam across Basavana Hole halla near Tammadi village in C.N.Halli Taluk Tumkur District.	60.00	NILL	27.00
10	Tumkur	C.N. halli	Construction of Check dam across Shettikere kere Kodi halla near Dasakere village in C.N.Halli Taluk Tumkur District.	60.00	NILL	27.00
			<b>TOTAL</b>	<b>670.00</b>		<b>301.50</b>
1	Tumkur	Turuvekere	Construction of check dam across W/W halla of Taramanakotte village in turuvekere Taluk, Tumkur District	30.00	NILL	13.50
2	Tumkur	Turuvekere	Construction of check dam across halla near Mutasandra Village in Turvekere Taluk, Tumkur District	30.00	NILL	13.50
3	Tumkur	Turuvekere	Construction of check dam across halla near Kamanahalli Village in Turvekere Taluk, Tumkur District	30.00	NILL	13.50
4	Tumkur	Turuvekere	Construction of check dam across W/W halla of Koppa tank in Turvekere Taluk, Tumkur District	30.00	NILL	13.50
5	Tumkur	Turuvekere	Construction of check dam across feeder halla near Doddaberanakere in Turvekere Taluk, Tumkur District	30.00	NILL	13.50
6	Tumkur	Turuvekere	Construction of check dam across feeder halla near Mudigere Village in Turvekere Taluk, Tumkur District	30.00	NILL	13.50
			<b>TOTAL</b>	<b>1020.00</b>		<b>459.00</b>

1	Tumkur	Gubbi	Construction of check dam across halla near Shivarampura in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
2	Tumkur	Gubbi	Construction of check dam across Gandikere watar weir halla in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
3	Tumkur	Gubbi	Construction of check dam across Karla halla near Sheshenahalli in Chelur hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
4	Tumkur	Gubbi	Construcition of barrage cum bridge across halla near Honnenahalli, Chelur Hobli in Gubbi Taluk, Tumkur District	200.00	NILL	90.00
5	Tumkur	Gubbi	Construction of check dam across halla near Sarigehallipalya in Chelur hoblli, Gubbi Taluk, Tumkur District	70.00	NILL	31.50
6	Tumkur	Gubbi	Construcition of bridge cum barrage across halla near Hanumenahalli basavanapalya, Hagalavadi Hobli in Gubbi Taluk, Tumkur District	200.00	NILL	90.00
7	Tumkur	Gubbi	Construction of pickup across halla near yamadrikere, Dasappanahalli Chelur hobli, Gubbi taluk, Tumkur district	100.00	NILL	45.00
8	Tumkur	Gubbi	Construction of check dam across halla near Guddenahalli in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
9	Tumkur	Gubbi	Construction of check dam across halla Jogihalli in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
10	Tumkur	Gubbi	Construcition of bridge cum barrage across halla near Pinnenahalli Chelur Hobli in Gubbi Taluk, Tumkur District	100.00	NILL	45.00
11	Tumkur	Gubbi	Construction of check dam across Gubehalla near Bogasandra in Nitturu hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
12	Tumkur	Gubbi	Construction of check dam across halla near Ranganahalli village in Chelur hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00

13	Tumkur	Gubbi	Construction of check dam across Majire menasina hatti upina halla near Madenalli village in Chelur hoblli, Gubbi Taluk, Tumkur District	300.00	NILL	135.00
14	Tumkur	Gubbi	Construction of check dam across Huvinakate waste weir nalla in Chelur hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
15	Tumkur	Gubbi	Construction of check dam across Devarahalli tank waste weir halla in Chelur hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
16	Tumkur	Gubbi	Construcition of bridge cum barrage across halla near Revannalu village, in Chelur Hobli in Gubbi Taluk, Tumkur District	150.00	NILL	67.50
17	Tumkur	Gubbi	Construction of check dam across Sarige palya halla near Ankasandra in Chelur hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
18	Tumkur	Gubbi	Construction of check dam across halla near Kalinganalli village in Chelur hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
19	Tumkur	Gubbi	Construction of check dam across halla near Ankasandra village in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	75.00	NILL	33.75
20	Tumkur	Gubbi	Construction of check dam across Borapura halla near Hindanahalli village in Nitturu hoblli, Gubbi Taluk, Tumkur District	70.00	NILL	31.50
21	Tumkur	Gubbi	Construction of check dam across halla near Mata village in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	50.00	NILL	22.50
22	Tumkur	Gubbi	Construction of check dam across halla near N. Hosahalli village in Nitturu hoblli, Gubbi Taluk, Tumkur District	50.00	NILL	22.50
23	Tumkur	Gubbi	Construction of check dam across halla near Doddaguni village in Nitturu hoblli, Gubbi Taluk, Tumkur District	75.00	NILL	33.75

24	Tumkur	Gubbi	Construction of check dam across halla near Devara Hatti village in Nitturu hoblli, Gubbi Taluk, Tumkur District	75.00	NILL	33.75
25	Tumkur	Gubbi	Construction of check dam across halla near Harenahalli village in Nitturu hoblli, Gubbi Taluk, Tumkur District	50.00	NILL	22.50
26	Tumkur	Gubbi	Construction of check dam across Rambhavi halla near Virupakshpura village in Nitturu hoblli, Gubbi Taluk, Tumkur District	200.00	NILL	90.00
27	Tumkur	Gubbi	Construction of check dam across Goobe halla near Bommarasanahalli village in Nitturu hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
28	Tumkur	Gubbi	Construction of check dam across halla nea Gollarahatti village in Nitturu hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
29	Tumkur	Gubbi	Construction of check dam across Bhoothappa temple halla nea Mavinalli village in Nitturu hoblli, Gubbi Taluk, Tumkur District	200.00	NILL	90.00
30	Tumkur	Gubbi	Construction of check dam across halla near Galikekere village in Nitturu hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
31	Tumkur	Gubbi	Construction of check dam across halla near Honenahalli village in Chelur hoblli, Gubbi Taluk, Tumkur District	50.00	NILL	22.50
32	Tumkur	Gubbi	Construction of check dam across halla near Ykalakatte village in Chelur hoblli, Gubbi Taluk, Tumkur District	50.00	NILL	22.50
33	Tumkur	Gubbi	Construction of bridge cum barrage Singadahalli halla to connect Mundehosahalli near galigakere in Hagalavadi Hobli in Gubbi Taluk, Tumkur District	150.00	NILL	67.50
34	Tumkur	Gubbi	Construction of check dam across halla near D. kunnala village in kadaba hoblli, Gubbi Taluk, Tumkur District	30.00	NILL	13.50
35	Tumkur	Gubbi	Construction of check dam across halla near Hindiskere kaval village in kadaba hoblli, Gubbi Taluk, Tumkur District	30.00	NILL	13.50



36	Tumkur	Gubbi	Construction of check dam across hall near Kanchaviranahalli village in kadaba hoblli, Gubbi Taluk, Tumkur District	40.00	NILL	18.00
37	Tumkur	Gubbi	Construction of check dam across halla s.no 16 near Kanchaviranahalli village in kadaba hoblli, Gubbi Taluk, Tumkur District	25.00	NILL	11.25
38	Tumkur	Gubbi	Construction of check dam across halla s.no 16/5 near Kanchaviranahalli village in kadaba hoblli, Gubbi Taluk, Tumkur District	30.00	NILL	13.50
39	Tumkur	Gubbi	Construction of check dam across halla near narashimaiah s/o narasaiah in D. kunnala village in kadaba hoblli, Gubbi Taluk, Tumkur District	30.00	NILL	13.50
40	Tumkur	Gubbi	Construction of check dam across halla s.no 2/2 near Harivesandra village in kadaba hoblli, Gubbi Taluk, Tumkur District	40.00	NILL	18.00
41	Tumkur	Gubbi	Construction of check dam across halla s.no 58 near venketegowda land in Harivesandra village in kadaba hoblli, Gubbi Taluk, Tumkur District	30.00	NILL	13.50
42	Tumkur	Gubbi	Construction of check dam across halla s.no 184 near Hindiskere village in kadaba hoblli, Gubbi Taluk, Tumkur District	30.00	NILL	13.50
43	Tumkur	Gubbi	Construction of check dam across halla s.no 181 near Hindiskere kaval village in kadaba hoblli, Gubbi Taluk, Tumkur District	35.00	NILL	15.75
44	Tumkur	Gubbi	Construction of check dam across halla s.no 175 near Doddamma land Hindiskere kaval village in kadaba hoblli, Gubbi Taluk, Tumkur District	25.00	NILL	11.25
45	Tumkur	Gubbi	Construction of check dam across halla near s no 15/1 in V. Kodihalli village in kadaba hoblli, Gubbi Taluk, Tumkur District	40.00	NILL	18.00
46	Tumkur	Gubbi	Construction of check dam across halla s.no 25 near v . kodihalli village in kadaba hoblli, Gubbi Taluk, Tumkur District	30.00	NILL	13.50

47	Tumkur	Gubbi	Construction of check dam across halla s.no 188 near Kondli village in nittur hoblli, Gubbi Taluk, Tumkur District	150.00	NILL	67.50
48	Tumkur	Gubbi	Construction of check dam across halla s.no 82 near Kondli village in nittur hoblli, Gubbi Taluk, Tumkur District	120.00	NILL	54.00
49	Tumkur	Gubbi	Construction of check dam across halla s.no 50 near Mavinahalli village in nittur hoblli, Gubbi Taluk, Tumkur District	40.00	NILL	18.00
50	Tumkur	Gubbi	Construction of check dam across halla s.no 35 near Mavinahalli village in nittur hoblli, Gubbi Taluk, Tumkur District	60.00	NILL	27.00
51	Tumkur	Gubbi	Construction of check dam across halla s.no 33 near Mavinahalli village in nittur hoblli, Gubbi Taluk, Tumkur District	60.00	NILL	27.00
52	Tumkur	Gubbi	Construction of check dam across halla near Harenahalli village in nittur hoblli, Gubbi Taluk, Tumkur District	30.00	NILL	13.50
53	Tumkur	Gubbi	Construction of check dam across musa kondli w/w halla near musa kondli village in nittur hoblli, Gubbi Taluk, Tumkur District	30.00	NILL	13.50
54	Tumkur	Gubbi	Construction of check dam across halla s.no 164 kadaba village in kadaba hoblli, Gubbi Taluk, Tumkur District	50.00	NILL	22.50
55	Tumkur	Gubbi	Construction of check dam across halla s.no 16/3 K.Mattigatta village in kadaba hoblli, Gubbi Taluk, Tumkur District	20.00	NILL	9.00
56	Tumkur	Gubbi	Construction of check dam across halla s.no 32 Kunnagatta village in kadaba hoblli, Gubbi Taluk, Tumkur District	25.00	NILL	11.25
57	Tumkur	Gubbi	Construction of check dam across halla s.no 65 S. Kodagihalli village in kasaba hoblli, Gubbi Taluk, Tumkur District	40.00	NILL	18.00

58	Tumkur	Gubbi	Construction of check dam across halla s.no 43/3 Nandipura village in kasaba hoblli, Gubbi Taluk, Tumkur District	50.00	NILL	22.50
59	Tumkur	Gubbi	Construction of check dam across Karekallu halla near Nagasandra village in kasaba hoblli, Gubbi Taluk, Tumkur District	50.00	NILL	22.50
60	Tumkur	Gubbi	Construction of check dam across dodda halla near Surgenahalli kaval village sri ranganatha swamy beeta in kasaba hoblli, Gubbi Taluk, Tumkur District	100.00	NILL	45.00
61	Tumkur	Gubbi	Construction of check dam across dodda halla near Taggihalli village in Doddaguni panchayeth kasaba hoblli, Gubbi Taluk, Tumkur District	75.00	NILL	33.75
62	Tumkur	Gubbi	Construction of check dam across halla near s.no 30/11p in kanchaganahalli village in Nittur hoblli, Gubbi Taluk, Tumkur District	20.00	NILL	9.00
63	Tumkur	Gubbi	Construction of check dam across halla s no 4 near Karadi kallu village in Nittur hoblli, Gubbi Taluk, Tumkur District	10.00	NILL	4.50
64	Tumkur	Gubbi	Construction of check dam across halla s no 7 Biraih s/o Kanchaiah land near Thagihalli village in Nittur hoblli, Gubbi Taluk, Tumkur District	10.00	NILL	4.50
65	Tumkur	Gubbi	Construction of check dam across halla s no 10 Sanna giriapp s/o Thimaiah land near Karadi kallu village in Nittur hoblli, Gubbi Taluk, Tumkur District	10.00	NILL	4.50
			<b>TOTAL</b>	<b>4980.00</b>		<b>2241.00</b>
<b>326</b>			<b>Total</b>	15625.00		6270.75
			<b>Grand Total</b>	17514.00		6711.75

**5.8: Taluk Wise Fresh Works Proposed Under P.M.K.S.Y Scheme for --- RRR**

<b>SL. NO.</b>	<b>DISTRICT</b>	<b>TALUK</b>	<b>Name of work</b>	<b>Estimated Cost (Rs. In Lakhs)</b>	<b>Land Acquisition amount</b>	<b>Potential Planned (in Ha.)</b>
1	Tumkur	Tumkur	Oorukere Tank	120.00	NIL	90.00
2	Tumkur	Tumkur	Arakere tank	90.00	NIL	67.50
3	Tumkur	Tumkur	Kuchangi tank	65.00	NIL	48.75
4	Tumkur	Tumkur	Swandenahalli New tank	50.00	NIL	37.50
5	Tumkur	Tumkur	Voddarahalli New tank	80.00	NIL	60.00
6	Tumkur	Tumkur	Devarayapatna tank	80.00	NIL	60.00
7	Tumkur	Tumkur	Maralur Amanikere	150.00	NIL	112.50
8	Tumkur	Tumkur	Amani Hosakere	150.00	NIL	112.50
9	Tumkur	Tumkur	Shettihalli Uttagaragatta tank	60.00	NIL	45.00
10	Tumkur	Tumkur	Kesaramadu Jogikatte tank	110.00	NIL	82.50
11	Tumkur	Tumkur	Kolihalli tank	90.00	NIL	67.50
12	Tumkur	Tumkur	Durgadahalli New tank	110.00	NIL	82.50
13	Tumkur	Tumkur	Thimmanayakanahalli New tank	55.00	NIL	41.25
14	Tumkur	Tumkur	Halugondanahalli new tank	80.00	NIL	60.00
15	Tumkur	Tumkur	Gulur Tank	275.00	NIL	206.25
16	Tumkur	Tumkur	Haralur Tank	55.00	NIL	41.25
17	Tumkur	Tumkur	Gudipalsandra Tank	60.00	NIL	45.00
18	Tumkur	Tumkur	Devara Amanikere Tank	160.00	NIL	120.00
19	Tumkur	Tumkur	Sasalu Tank	120.00	NIL	90.00
20	Tumkur	Tumkur	Honnudike Doddakere	135.00	NIL	101.25
21	Tumkur	Tumkur	Mulukunte Tank	75.00	NIL	56.25
22	Tumkur	Tumkur	Veeranayakanahalli Tank	70.00	NIL	52.50
23	Tumkur	Tumkur	Hullenahalli tank	60.00	NIL	45.00
24	Tumkur	Tumkur	Holkal Kenchagal tank	60.00	NIL	45.00
25	Tumkur	Tumkur	Kambatanahalli Tank	45.00	NIL	33.75

26	Tumkur	Tumkur	Doddasarangi Tank	45.00	NIL	33.75
27	Tumkur	Tumkur	Hebbur Amanikere	335.00	NIL	251.25
28	Tumkur	Tumkur	Nagavalli Amanikere	270.00	NIL	202.50
29	Tumkur	Tumkur	Kembalalu Tank	210.00	NIL	157.50
30	Tumkur	Tumkur	Bidarekatte New tank	60.00	NIL	45.00
31	Tumkur	Tumkur	Sirivara Kodigikere tank	50.00	NIL	37.50
32	Tumkur	Tumkur	Honsagere tank	70.00	NIL	52.50
33	Tumkur	Tumkur	Lingapura tank	90.00	NIL	67.50
34	Tumkur	Tumkur	Nidavalalu tank	65.00	NIL	48.75
35	Tumkur	Tumkur	Bellavi Amanikere	110.00	NIL	82.50
36	Tumkur	Tumkur	Dananayakana pura New Tank	110.00	NIL	82.50
37	Tumkur	Tumkur	Vadanakatte Bailanjaneyaswamy Tank	50.00	NIL	37.50
38	Tumkur	Tumkur	Kora Amanikere, Kora Hobli	160.00	NIL	120.00
39	Tumkur	Tumkur	Kestur Amanikere, Kora Hobli	220.00	NIL	165.00
40	Tumkur	Tumkur	Brahmasandra Tank, Kora Hobli	130.00	NIL	97.50
41	Tumkur	Tumkur	Mavukere Tank, Kora Hobli	80.00	NIL	60.00
42	Tumkur	Tumkur	Devalapura Tank, Kora Hobli	70.00	NIL	52.50
43	Tumkur	Tumkur	Hiretotlukere Tank, Kora Hobli	80.00	NIL	60.00
44	Tumkur	Tumkur	Chikkatotlukere Tank, Kora Hobli	105.00	NIL	78.75
45	Tumkur	Tumkur	Hiregundal tank, Kora Hobli	80.00	NIL	60.00
46	Tumkur	Tumkur	Chikkagundagal tank, Kora Hobli	50.00	NIL	37.50
47	Tumkur	Tumkur	Beladhara tank, Kora Hobli	70.00	NIL	52.50
48	Tumkur	Tumkur	Channamuddanahalli tank, Kora Hobli	50.00	NIL	37.50
49	Tumkur	Tumkur	Hirekodatkal tank, Kora Hobli	60.00	NIL	45.00
			<b>TOTAL</b>	<b>5025.00</b>		<b>3768.75</b>
1	Tumkur	Kunigal	Arakere Amanikere	60.00	NIL	45.00
2	Tumkur	Kunigal	Neelathanahalli Tank	160.00	NIL	120.00
3	Tumkur	Kunigal	Boregowdanapalya tank	80.00	NIL	60.00
4	Tumkur	Kunigal	Kithnamangala tank	160.00	NIL	120.00

5	Tumkur	Kunigal	Channapura tank	120.00	NIL	90.00
6	Tumkur	Kunigal	Yaliyur tank	150.00	NIL	112.50
7	Tumkur	Kunigal	Kathrigatta tank	70.00	NIL	52.50
8	Tumkur	Kunigal	Hosur tank	120.00	NIL	90.00
9	Tumkur	Kunigal	Yalagalavadi tank	120.00	NIL	90.00
10	Tumkur	Kunigal	Haluvagilu tank	70.00	NIL	52.50
11	Tumkur	Kunigal	Settikere tank	70.00	NIL	52.50
12	Tumkur	Kunigal	Kachihalli new tank	120.00	NIL	90.00
13	Tumkur	Kunigal	Deepambudi tank	650.00	NIL	487.50
14	Tumkur	Kunigal	Nidasale New tank	500.00	NIL	375.00
15	Tumkur	Kunigal	Bandihalli tank	120.00	NIL	90.00
16	Tumkur	Kunigal	Rajappanadoddi tank	100.00	NIL	75.00
17	Tumkur	Kunigal	Ujjani New tank	100.00	NIL	75.00
18	Tumkur	Kunigal	Halevoor tank	100.00	NIL	75.00
19	Tumkur	Kunigal	Bellibettadathore new tank	80.00	NIL	60.00
20	Tumkur	Kunigal	Kempambudi tank	80.00	NIL	60.00
21	Tumkur	Kunigal	Doddamadure tank	80.00	NIL	60.00
22	Tumkur	Kunigal	Hulivana tank	80.00	NIL	60.00
23	Tumkur	Kunigal	Byalya tank	80.00	NIL	60.00
24	Tumkur	Kunigal	Siddapura tank	60.00	NIL	45.00
25	Tumkur	Kunigal	Mallapura Tank	60.00	NIL	45.00
26	Tumkur	Kunigal	Muddalingana Doddi Tank	60.00	NIL	45.00
			<b>TOTAL</b>	<b>3450.00</b>		<b>2587.50</b>
1	Tumkur	Koratagere	Akkirampura tank	150.00	NIL	112.50
2	Tumkur	Koratagere	Thorgarighatta tank	50.00	NIL	37.50
3	Tumkur	Koratagere	Bychapura tank	70.00	NIL	52.50
4	Tumkur	Koratagere	Chikkanahalli tank	110.00	NIL	82.50
5	Tumkur	Koratagere	Chikkvalli Dharmasagara tank	200.00	NIL	150.00
6	Tumkur	Koratagere	Chinnahalli tank	50.00	NIL	37.50

7	Tumkur	Koratagere	Sunkadahalli tank	50.00	NIL	37.50
8	Tumkur	Koratagere	Thimmanayakanahalli tank	50.00	NIL	37.50
9	Tumkur	Koratagere	Katenahalli tank	200.00	NIL	150.00
10	Tumkur	Koratagere	Kolala Doddakere	55.00	NIL	41.25
11	Tumkur	Koratagere	Yalachigere tank	55.00	NIL	41.25
12	Tumkur	Koratagere	Mavathur tank	800.00	NIL	600.00
13	Tumkur	Koratagere	Puttasandra tank	150.00	NIL	112.50
14	Tumkur	Koratagere	A.Venkatapura tank	50.00	NIL	37.50
15	Tumkur	Koratagere	Hosahalli tank	60.00	NIL	45.00
16	Tumkur	Koratagere	Hosakote tank	50.00	NIL	37.50
17	Tumkur	Koratagere	Iraksandra tank	400.00	NIL	300.00
18	Tumkur	Koratagere	Goravanahalli tank	70.00	NIL	52.50
19	Tumkur	Koratagere	Veerapura tank	100.00	NIL	75.00
20	Tumkur	Koratagere	Maragondanahalli Bhaktarakatte tank	50.00	NIL	37.50
21	Tumkur	Koratagere	Pathaganahalli tank	50.00	NIL	37.50
22	Tumkur	Koratagere	Vajjanakurike tank	100.00	NIL	75.00
23	Tumkur	Koratagere	D.Nagenahalli tank	70.00	NIL	52.50
24	Tumkur	Koratagere	Mudalapalya tank	70.00	NIL	52.50
25	Tumkur	Koratagere	Malleshapura Doddakere	80.00	NIL	60.00
26	Tumkur	Koratagere	Hulikunte Doddakere	80.00	NIL	60.00
27	Tumkur	Koratagere	Byrenahalli Tank	50.00	NIL	37.50
28	Tumkur	Koratagere	Tumbadi Tank	300.00	NIL	225.00
29	Tumkur	Koratagere	Yathoganahalli Tank	50.00	NIL	37.50
30	Tumkur	Koratagere	Agrahara tank	350.00	NIL	262.50
31	Tumkur	Koratagere	Channapatna tank	50.00	NIL	37.50
32	Tumkur	Koratagere	Jampenahalli New tank	250.00	NIL	187.50
33	Tumkur	Koratagere	Navilukurike tank	50.00	NIL	37.50
34	Tumkur	Koratagere	Bendone tank	50.00	NIL	37.50
35	Tumkur	Koratagere	Mallekavu tank	55.00	NIL	41.25

36	Tumkur	Koratagere	Negalala New tank	50.00	NIL	37.50
37	Tumkur	Koratagere	Bukkapatna tank	50.00	NIL	37.50
38	Tumkur	Koratagere	Bukkapatna Nagenahalli tank	70.00	NIL	52.50
39	Tumkur	Koratagere	Gatlahalli tank	80.00	NIL	60.00
40	Tumkur	Koratagere	Dasalukunte tank	90.00	NIL	67.50
41	Tumkur	Koratagere	Manuvinakurike tank	80.00	NIL	60.00
42	Tumkur	Koratagere	Devarahalli tank	50.00	NIL	37.50
43	Tumkur	Koratagere	Kurihalli tank	50.00	NIL	37.50
44	Tumkur	Koratagere	Surenahalli tank	50.00	NIL	37.50
45	Tumkur	Koratagere	Tovinakere tank	50.00	NIL	37.50
47	Tumkur	Tumkur	Kestur Amanikere,Kora Hobli	220.00	NIL	165.00
48	Tumkur	Tumkur	Brahmasandra Tank,Kora Hobli	130.00	NIL	97.50
49	Tumkur	Tumkur	Mavukere Tank,Kora Hobli	80.00	NIL	60.00
50	Tumkur	Tumkur	Devalapura Tank,Kora Hobli	70.00	NIL	52.50
51	Tumkur	Tumkur	Hiretotlukere Tank,Kora Hobli	80.00	NIL	60.00
52	Tumkur	Tumkur	Chikkatotlukere Tank,Kora Hobli	105.00	NIL	78.75
53	Tumkur	Tumkur	Hiregundal tank,Kora Hobli	80.00	NIL	60.00
54	Tumkur	Tumkur	Chikkagundagal tank,Kora Hobli	50.00	NIL	37.50
55	Tumkur	Tumkur	Beladhara tank,Kora Hobli	70.00	NIL	52.50
56	Tumkur	Tumkur	Channamuddanahalli tank,Kora Hobli	50.00	NIL	37.50
57	Tumkur	Tumkur	Hirekodatkal tank,Kora Hobli	60.00	NIL	45.00
			<b>TOTAL</b>	<b>6040.00</b>		<b>4530.00</b>
1	Tumkur	Madhugiri	K.T.halli tank	280.00	NIL	210.00
2	Tumkur	Madhugiri	Gubalagutte tank	100.00	NIL	75.00
3	Tumkur	Madhugiri	Ranganapalya tank	50.00	NIL	37.50
4	Tumkur	Madhugiri	Gidadagalahalli tank	105.00	NIL	78.75
5	Tumkur	Madhugiri	Rangapura New tank	110.00	NIL	82.50
6	Tumkur	Madhugiri	Dodderi Hirekere	80.00	NIL	60.00
7	Tumkur	Madhugiri	Rantavalalu tank	80.00	NIL	60.00



8	Tumkur	Madhugiri	Belladamadagu tank	50.00	NIL	37.50
9	Tumkur	Madhugiri	Girigondanahalli New tank	50.00	NIL	37.50
10	Tumkur	Madhugiri	Thimmalapura New tank	50.00	NIL	37.50
11	Tumkur	Madhugiri	Cholenahalli tank	160.00	NIL	120.00
12	Tumkur	Madhugiri	Sddapura tank	175.00	NIL	131.25
13	Tumkur	Madhugiri	Midatharahalli tank	150.00	NIL	112.50
14	Tumkur	Madhugiri	Puttenahalli tank	55.00	NIL	41.25
15	Tumkur	Madhugiri	Shettihalli tank	65.00	NIL	48.75
16	Tumkur	Madhugiri	Bijawara tank	300.00	NIL	225.00
17	Tumkur	Madhugiri	Taigondanahalli New tank	50.00	NIL	37.50
18	Tumkur	Madhugiri	Muddaneralekere tank	130.00	NIL	97.50
19	Tumkur	Madhugiri	Byalya tank	70.00	NIL	52.50
20	Tumkur	Madhugiri	Agrahara tank	60.00	NIL	45.00
21	Tumkur	Madhugiri	Nitrahalli tank	70.00	NIL	52.50
22	Tumkur	Madhugiri	Bhattigere tank	50.00	NIL	37.50
23	Tumkur	Madhugiri	Kondavadi tank	100.00	NIL	75.00
24	Tumkur	Madhugiri	Hunasavadi tank	60.00	NIL	45.00
25	Tumkur	Madhugiri	Kodlapura Doddakere	110.00	NIL	82.50
26	Tumkur	Madhugiri	Kodlapura Chikkakere	70.00	NIL	52.50
27	Tumkur	Madhugiri	Reddihalli tank	70.00	NIL	52.50
28	Tumkur	Madhugiri	Midigeshi Doddakere	190.00	NIL	142.50
29	Tumkur	Madhugiri	Hanumanthapura tank	210.00	NIL	157.50
30	Tumkur	Madhugiri	Bedathur tank	120.00	NIL	90.00
31	Tumkur	Madhugiri	Bidarekere tank	80.00	NIL	60.00
32	Tumkur	Madhugiri	Hosakere Doddakere	80.00	NIL	60.00
33	Tumkur	Madhugiri	Kodigenahalli tank	100.00	NIL	75.00
34	Tumkur	Madhugiri	Doddamalur tank	140.00	NIL	105.00
35	Tumkur	Madhugiri	Chikkamalur tank	110.00	NIL	82.50
36	Tumkur	Madhugiri	Kalidevapura tank	70.00	NIL	52.50

37	Tumkur	Madhugiri	Yakarhalli tank	110.00	NIL	82.50
38	Tumkur	Madhugiri	Kadagathur tank	490.00	NIL	367.50
39	Tumkur	Madhugiri	Tingalur tank	120.00	NIL	90.00
40	Tumkur	Madhugiri	Gundagal tank	170.00	NIL	127.50
41	Tumkur	Madhugiri	Teriyur tank	50.00	NIL	37.50
42	Tumkur	Madhugiri	Singanahalli tank	150.00	NIL	112.50
43	Tumkur	Madhugiri	Polenahalli tank	80.00	NIL	60.00
44	Tumkur	Madhugiri	Maidanahalli tank	100.00	NIL	75.00
45	Tumkur	Madhugiri	Kalidevapura New tank	80.00	NIL	60.00
46	Tumkur	Madhugiri	I.D.Halli tank	140.00	NIL	105.00
47	Tumkur	Madhugiri	I.D.Halli Chikkere	80.00	NIL	60.00
48	Tumkur	Madhugiri	Doddadalavatta tank	70.00	NIL	52.50
49	Tumkur	Madhugiri	Thadikere tank	70.00	NIL	52.50
50	Tumkur	Madhugiri	Garani tank	90.00	NIL	67.50
51	Tumkur	Madhugiri	Doddayalkur tank	60.00	NIL	45.00
52	Tumkur	Madhugiri	Suddekunte tank	80.00	NIL	60.00
53	Tumkur	Madhugiri	Adavinagenahalli (Muthurayanakere)	50.00	NIL	37.50
54	Tumkur	Madhugiri	Thippapura tank	80.00	NIL	60.00
55	Tumkur	Madhugiri	Adavinagenahalli tank	80.00	NIL	60.00
56	Tumkur	Madhugiri	Jankaloti tank	50.00	NIL	37.50
			<b>TOTAL</b>	<b>6000.00</b>		<b>4500.00</b>
1	Tumkur	Tiptur	Repair, Renovation and Restoration of Eerana Kal Kaval Kere in Tiptur Taluk	50.00	NIL	37.50
2	Tumkur	Tiptur	Repair, Renovation and Restoration of Masavana Ghatta Konana Kere in Tiptur Taluk	50.00	NIL	37.50
3	Tumkur	Tiptur	Repair, Renovation and Restoration of Belagarahalli Hosa Kere in Tiptur Taluk	50.00	NIL	37.50
4	Tumkur	Tiptur	Repair, Renovation and Restoration of Ganjala Ghatta Kere in Tiptur Taluk	50.00	NIL	37.50

5	Tumkur	Tiptur	Repair, Renovation and Restoration of Mela Pura Kere in Tiptur Taluk	50.00	NIL	37.50
6	Tumkur	Tiptur	Repair, Renovation and Restoration of Gurugadha Halli Kere in Tiptur Taluk	70.00	NIL	52.50
7	Tumkur	Tiptur	Repair, Renovation and Restoration of Keregodi Dodda Kere in Tiptur Taluk	60.00	NIL	45.00
8	Tumkur	Tiptur	Repair, Renovation and Restoration of Thadasura Kere in Tiptur Taluk	50.00	NIL	37.50
9	Tumkur	Tiptur	Repair, Renovation and Restoration of Rama Shetti Halli Kere in Tiptur Taluk	50.00	NIL	37.50
10	Tumkur	Tiptur	Repair, Renovation and Restoration of Karadolu Tank in Tiptur Taluk	50.00	NIL	37.50
11	Tumkur	Tiptur	Repair, Renovation and Restoration of Karadi Tank in Tiptur Taluk	50.00	NIL	37.50
12	Tumkur	Tiptur	Repair, Renovation and Restoration of Biligere Tank in Tiptur Taluk	60.00	NIL	45.00
13	Tumkur	Tiptur	Repair, Renovation and Restoration of Kibbanahalli Uramundinakere Tank in Tiptur Taluk	80.00	NIL	60.00
14	Tumkur	Tiptur	Repair, Renovation and Restoration of Jabagatta Tank in Tiptur Taluk	80.00	NIL	60.00
15	Tumkur	Tiptur	Repair, Renovation and Restoration of Hogavanagatta Tank in Tiptur Taluk	50.00	NIL	37.50
16	Tumkur	Tiptur	Repair, Renovation and Restoration of Besugegowdana kerere Tank in Tiptur Taluk	50.00	NIL	37.50
17	Tumkur	Tiptur	Repair, Renovation and Restoration of Hindisgere uramundinakere Tank in Tiptur Taluk	50.00	NIL	37.50
18	Tumkur	Tiptur	Repair, Renovation and Restoration of Honnavalli herekere Tank in Tiptur Taluk	70.00	NIL	52.50
19	Tumkur	Tiptur	Repair, Renovation and Restoration of Honnavalli badagikere Tank in Tiptur Taluk	70.00	NIL	52.50
20	Tumkur	Tiptur	Repair, Renovation and Restoration of Halurike Tank in Tiptur Taluk	80.00	NIL	60.00

21	Tumkur	Tiptur	Repair, Renovation and Restoration of Kagehalla kaval Tank in Tiptur Taluk	30.00	NIL	22.50
			<b>TOTAL</b>	<b>1200.00</b>		<b>900.00</b>
1	Tumkur	Turuvekere	Repair, Renovation and Restoration of Thuilahalli Tank	200.00	NIL	150.00
2	Tumkur	Turuvekere	Repair, Renovation and Restoration of Abbukanahalli Tank	100.00	NIL	75.00
3	Tumkur	Turuvekere	Repair, Renovation and Restoration of Gottikere Tank	200.00	NIL	150.00
			<b>TOTAL</b>	<b>500.00</b>		<b>375.00</b>
1	Tumkur	Sira	Repair, Renovation and Restoration of Lakshmi Sagara Tank in Sira Taluk	75.00	NIL	56.25
2	Tumkur	Sira	Repair, Renovation and Restoration of RamalingapuraTank in Sira Taluk	100.00	NIL	75.00
3	Tumkur	Sira	Repair, Renovation and Restoration of BukkapattanaTank in Sira Taluk	115.00	NIL	86.25
4	Tumkur	Sira	Repair, Renovation and Restoration of Seebi AgraharaTank in Sira Taluk	40.00	NIL	30.00
5	Tumkur	Sira	Repair, Renovation and Restoration of YaradakatteTank in Sira Taluk	40.00	NIL	30.00
6	Tumkur	Sira	Repair, Renovation and Restoration of JanakalluTank in Sira Taluk	30.00	NIL	22.50
7	Tumkur	Sira	Repair, Renovation and Restoration of YaliyuruTank in Sira Taluk	150.00	NIL	112.50
8	Tumkur	Sira	Repair, Renovation and Restoration of AjjenahalliTank in Sira Taluk	50.00	NIL	37.50
9	Tumkur	Sira	Repair, Renovation and Restoration of Brahmasandra Kodagikere Tank in Sira Taluk	50.00	NIL	37.50

10	Tumkur	Sira	Repair, Renovation and Restoration of Haldodderi Tank in Sira Taluk	50.00	NIL	37.50
11	Tumkur	Sira	Repair, Renovation and Restoration of Narasimhajjikatte Tank in Sira Taluk	45.00	NIL	33.75
12	Tumkur	Sira	Repair, Renovation and Restoration of Honnagondanahalli Tank in Sira Taluk	50.00	NIL	37.50
13	Tumkur	Sira	Repair, Renovation and Restoration of Magodu Tank in Sira Taluk	50.00	NIL	37.50
14	Tumkur	Sira	Repair, Renovation and Restoration of Halkuru Tank in Sira Taluk	75.00	NIL	56.25
15	Tumkur	Sira	Repair, Renovation and Restoration of Yaladabagi Tank in Sira Taluk	40.00	NIL	30.00
16	Tumkur	Sira	Repair, Renovation and Restoration of Kotti Tank in Sira Taluk	30.00	NIL	22.50
17	Tumkur	Sira	Repair, Renovation and Restoration of Henjalagere Tank in Sira Taluk	30.00	NIL	22.50
18	Tumkur	Sira	Repair, Renovation and Restoration of Devarahalli Tank in Sira Taluk	50.00	NIL	37.50
19	Tumkur	Sira	Repair, Renovation and Restoration of Ganadahunase Old Tank in Sira Taluk	45.00	NIL	33.75
20	Tumkur	Sira	Repair, Renovation and Restoration of Ganadahunase New Tank in Sira Taluk	40.00	NIL	30.00
21	Tumkur	Sira	Repair, Renovation and Restoration of Maragondanahalli Tank in Sira Taluk	35.00	NIL	26.25
22	Tumkur	Sira	Repair, Renovation and Restoration of Guligenahalli Tank in Sira Taluk	50.00	NIL	37.50
23	Tumkur	Sira	Repair, Renovation and Restoration of Kamagondanahalli Tank in Sira Taluk	75.00	NIL	56.25
24	Tumkur	Sira	Repair, Renovation and Restoration of Chagavara Tank in Sira Taluk	75.00	NIL	56.25

25	Tumkur	Sira	Repair, Renovation and Restoration of Kotta Tank in Sira Taluk	40.00	NIL	30.00
26	Tumkur	Sira	Repair, Renovation and Restoration of Bidarakere Tank in Sira Taluk	40.00	NIL	30.00
27	Tumkur	Sira	Repair, Renovation and Restoration of Melukunte Tank in Sira Taluk	30.00	NIL	22.50
28	Tumkur	Sira	Repair, Renovation and Restoration of Bhuvanahalli Tank in Sira Taluk	30.00	NIL	22.50
29	Tumkur	Sira	Repair, Renovation and Restoration of Borasandra Tank in Sira Taluk	35.00	NIL	26.25
30	Tumkur	Sira	Repair, Renovation and Restoration of Girinathanahalli Tank in Sira Taluk	35.00	NIL	26.25
31	Tumkur	Sira	Repair, Renovation and Restoration of Naduru Tank in Sira Taluk	45.00	NIL	33.75
32	Tumkur	Sira	Repair, Renovation and Restoration of Kaggaladu Tank in Sira Taluk	50.00	NIL	37.50
33	Tumkur	Sira	Repair, Renovation and Restoration of Bevinahalli Tank in Sira Taluk	30.00	NIL	22.50
34	Tumkur	Sira	Repair, Renovation and Restoration of Badamaranahalli Tank in Sira Taluk	40.00	NIL	30.00
35	Tumkur	Sira	Repair, Renovation and Restoration of Tadakaluru Tank in Sira Taluk	30.00	NIL	22.50
36	Tumkur	Sira	Repair, Renovation and Restoration of Handikunte Tank in Sira Taluk	40.00	NIL	30.00
			<b>TOTAL</b>	<b>1835.00</b>		<b>1376.25</b>

1	Tumkur	C.N Halli	Repair, Renovation and Restoration of Gopalapura Tank in C N halli Taluk	50.00	NIL	37.50
2	Tumkur	C.N Halli	Repair, Renovation and Restoration of Pemmaladevara Halli Tank Shetti Halli Hobli in C N halli Taluk	100.00	NIL	75.00
3	Tumkur	C.N Halli	Repair, Renovation and Restoration of Kandi kere Nonavina Kere in C N halli Taluk	50.00	NIL	37.50
4	Tumkur	C.N Halli	Repair, Renovation and Restoration of Bhavanahalli Hosakere in C N halli Taluk	100.00	NIL	75.00
5	Tumkur	C.N Halli	Repair, Renovation and Restoration of Kandikere Hirekere in C N halli Taluk	80.00	NIL	60.00
6	Tumkur	C.N Halli	Repair, Renovation and Restoration of Jodi Thimmalapura in C N halli Taluk	100.00	NIL	75.00
7	Tumkur	C.N Halli	Repair, Renovation and Restoration of Doddabelavadi Tank in C N halli Taluk	80.00	NIL	60.00
8	Tumkur	C.N Halli	Repair, Renovation and Restoration of Gangenahalli Left Bank canal in C N halli Taluk	50.00	NIL	37.50
			<b>TOTAL</b>	<b>610.00</b>		<b>457.50</b>
1	Tumkur	Pavagada	Repair, Renovation and Restoration of Aralikunte Krishnambudi Kere in Pavagada Taluk	70.00	NIL	52.50
2	Tumkur	Pavagada	Repair, Renovation and Restoration of Byadnuru Shankaralingana Kere in Pavagada Taluk	65.00	NIL	48.75

3	Tumkur	Pavagada	Repair, Renovation and Restoration of Dommathamari murarayana Kere in Pavagada Taluk	70.00	NIL	52.50
4	Tumkur	Pavagada	Repair, Renovation and Restoration of Gummagatta Durgamma Kere in Pavagada Taluk	80.00	NIL	60.00
5	Tumkur	Pavagada	Repair, Renovation and Restoration of Gundlahalli Mohiddin Kere in Pavagada Taluk	70.00	NIL	52.50
6	Tumkur	Pavagada	Repair, Renovation and Restoration of kanakapura Chowlakunte Kere in Pavagada Taluk	50.00	NIL	37.50
7	Tumkur	Pavagada	Repair, Renovation and Restoration of Kanivenahalli Hosa Kere in Pavagada Taluk	80.00	NIL	60.00
8	Tumkur	Pavagada	Repair, Renovation and Restoration of Dommathamari Nagarahalli Kere in Pavagada Taluk	40.00	NIL	30.00
9	Tumkur	Pavagada	Repair, Renovation and Restoration of Venkatapur Dodda Kere in Pavagada Taluk	60.00	NIL	45.00
10	Tumkur	Pavagada	Repair, Renovation and Restoration of Virupasamudra Bhaskararayana Kere in Pavagada Taluk	80.00	NIL	60.00
11	Tumkur	Pavagada	Repair, Renovation and Restoration of Palavalli Pallavarayana Kere in Pavagada Taluk	30.00	NIL	22.50



12	Tumkur	Pavagada	Repair, Renovation and Restoration of Bugaduru Hosa Kere in Pavagada Taluk	57.00	NIL	42.75
13	Tumkur	Pavagada	Repair, Renovation and Restoration of Kyathaganakere Kere in Pavagada Taluk	90.00	NIL	67.50
14	Tumkur	Pavagada	Repair, Renovation and Restoration of Dalavayihalli hosa Kere in Pavagada Taluk	30.00	NIL	22.50
15	Tumkur	Pavagada	Repair, Renovation and Restoration of Kamanadurga Akkammana Kere in Pavagada Taluk	60.00	NIL	45.00
16	Tumkur	Pavagada	Repair, Renovation and Restoration of Kyathaganacharlu Uramundina Kere in Pavagada Taluk	60.00	NIL	45.00
17	Tumkur	Pavagada	Repair, Renovation and Restoration of Nagalamadike Chowlarayana Kere in Pavagada Taluk	65.00	NIL	48.75
18	Tumkur	Pavagada	Repair, Renovation and Restoration of Rayacharlu Uramundina Kere in Pavagada Taluk	60.00	NIL	45.00
19	Tumkur	Pavagada	Repair, Renovation and Restoration of Ryapte Margada Kere in Pavagada Taluk	30.00	NIL	22.50
20	Tumkur	Pavagada	Repair, Renovation and Restoration of Tirumani Hanumanthadevara Kere in Pavagada Taluk	65.00	NIL	48.75
21	Tumkur	Pavagada	Repair, Renovation and Restoration of Valluru Uramundina Kere in Pavagada Taluk	60.00	NIL	45.00

22	Tumkur	Pavagada	Repair, Renovation and Restoration of Nagalapura Nagoji Kere in Pavagada Taluk	60.00	NIL	45.00
23	Tumkur	Pavagada	Repair, Renovation and Restoration of Ponnasamudra Nagarabavi Kere in Pavagada Taluk	70.00	NIL	52.50
24	Tumkur	Pavagada	Repair, Renovation and Restoration of Rangasamudra Kere in Pavagada Taluk	50.00	NIL	37.50
25	Tumkur	Pavagada	Repair, Renovation and Restoration of Gollanakunte Karekal Kere in Pavagada Taluk	60.00	NIL	45.00
26	Tumkur	Pavagada	Repair, Renovation and Restoration of Arasikere Hampaiahana Kere in Pavagada Taluk	60.00	NIL	45.00
27	Tumkur	Pavagada	Repair, Renovation and Restoration of Arasikere Gujjarappana Kere in Pavagada Taluk	60.00	NIL	45.00
28	Tumkur	Pavagada	Repair, Renovation and Restoration of Tumakunte Anjaneyaswamy Kere in Pavagada Taluk	65.00	NIL	48.75
29	Tumkur	Pavagada	Repair, Renovation and Restoration of Madde Eragana Kere in Pavagada Taluk	60.00	NIL	45.00
30	Tumkur	Pavagada	Repair, Renovation and Restoration of C.K.Pura Hanumanthadevara Kere in Pavagada Taluk	60.00	NIL	45.00
31	Tumkur	Pavagada	Repair, Renovation and Restoration of Hariharapura Mutharayana Kere in Pavagada Taluk	60.00	NIL	45.00

32	Tumkur	Pavagada	Repair, Renovation and Restoration of Kothuru Kariyannana Kere in Pavagada Taluk	65.00	NIL	48.75
33	Tumkur	Pavagada	Repair, Renovation and Restoration of Kannamedi vadasalammana Kere in Pavagada Taluk	65.00	NIL	48.75
34	Tumkur	Pavagada	Repair, Renovation and Restoration of Kadapalakere Akkammana Kere in Pavagada Taluk	50.00	NIL	37.50
35	Tumkur	Pavagada	Repair, Renovation and Restoration of percolation tank near Maridasanahalli in Pavagada Taluk	30.00	NIL	22.50
36	Tumkur	Pavagada	Repair, Renovation and Restoration of percolation tank near Srirangapura thanda in Pavagada Taluk	30.00	NIL	22.50
			<b>TOTAL</b>	<b>2117.00</b>		<b>1587.75</b>
1	Tumkur	Gubbi	Repair, Renovation and Restoration of Hosa Halli Ajjamma Kere Kasaba Hobli in Gubbi Taluk	35.00	NIL	26.25
2	Tumkur	Gubbi	Repair, Renovation and Restoration of Handana Halli Kere Kasaba Hobli in Gubbi Taluk	50.00	NIL	37.50
3	Tumkur	Gubbi	Repair, Renovation and Restoration of Kodyala Tank Cheluru Hobli in Gubbi Taluk	40.00	NIL	30.00
4	Tumkur	Gubbi	Repair, Renovation and Restoration of Devara Halli ( Sheshana Halli ) Tank Cheluru Hobli in Gubbi Taluk	75.00	NIL	56.25
5	Tumkur	Gubbi	Repair, Renovation and Restoration of Muccheverana Halli Kere Hagala Vadi Hobli Hobli in Gubbi Taluk	40.00	NIL	30.00

6	Tumkur	Gubbi	Repair, Renovation and Restoration of Hoovinkatte Tank Cheluru Hobli in Gubbi Taluk	30.00	NIL	22.50
7	Tumkur	Gubbi	Repair, Renovation and Restoration of Matada Kere Feeder Halla in Hagalavadi Hobli in Gubbi Taluk	80.00	NIL	60.00
8	Tumkur	Gubbi	Improvements of Adavikatte in Handanahalli village, Nitturu hoblli, Gubbi Taluk, Tumkur District	20.00	NIL	15.00
9	Tumkur	Gubbi	Improvements of Bogappanakatte in Handanahalli village, Nitturu hoblli, Gubbi Taluk, Tumkur District	20.00	NIL	15.00
10	Tumkur	Gubbi	Improvements to Devaralli tank in Chelur hoblli, Gubbi Taluk, Tumkur District	100.00	NIL	75.00
11	Tumkur	Gubbi	Improvements to Mucchuveeranahlli tank in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
12	Tumkur	Gubbi	Improvements to Honashattihalli tank in Kdabba hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
13	Tumkur	Gubbi	Improvements to matadakere tank feedar halla in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	150.00	NIL	112.50
14	Tumkur	Gubbi	Improvements to Prabuvinali tank feedar halla in kasabba hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
15	Tumkur	Gubbi	Improvements to hosahalli ajjamana tank feedar halla in kasabba hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
16	Tumkur	Gubbi	Improvements to Galiga dodda & chikkakere tank feedar halla in kasabba hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
17	Tumkur	Gubbi	Improvements to S. Kodagehalli tank feedar halla in kasaba hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
18	Tumkur	Gubbi	Improvements to C.S. Pura tank feedar halla in C.S. Pura hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
19	Tumkur	Gubbi	Improvements to Mavinahalli tank feedar halla in C.S. Pura hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
20	Tumkur	Gubbi	Improvements to Dodachangavi tank feedar halla in C.S. Pura hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50

21	Tumkur	Gubbi	Improvements to Edaguru tank feedar halla in C.S. Pura hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
22	Tumkur	Gubbi	Improvements to Adikekere tank feedar halla in C.S. Pura hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
23	Tumkur	Gubbi	Improvements to kalluru tank feedar halla in kadaba hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
24	Tumkur	Gubbi	Improvements to honnasetihalli thipanakatte tank feedar halla in kadaba hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
25	Tumkur	Gubbi	Improvements to V.kodihalli tank feedar halla in kadaba hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
26	Tumkur	Gubbi	Improvements to Harenahalli tank feedar halla in Nittur hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
27	Tumkur	Gubbi	Improvements to Doddaguni tank & feedar halla in Nittur hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
28	Tumkur	Gubbi	Improvements to Paramasandra tank & feedar halla in Nittur hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
29	Tumkur	Gubbi	Improvements to Handanahalli tank & feedar halla in Nittur hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
30	Tumkur	Gubbi	Improvements to Haradagere tank & feedar halla in Nittur hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
31	Tumkur	Gubbi	Improvements to chelur uramundina tank & feedar halla in Chelur hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
32	Tumkur	Gubbi	Improvements to Kodiyalla tank & feedar halla in Chelur hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
33	Tumkur	Gubbi	Improvements to Huvinakatte tank & feedar halla in Chelur hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
34	Tumkur	Gubbi	Improvements to Alilugatta amanikere tank & feedar halla in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50

35	Tumkur	Gubbi	Improvements to Alilugatta uramundina tank & feedar halla in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
36	Tumkur	Gubbi	Improvements to Hosakere uramundina tank & feedar halla in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
37	Tumkur	Gubbi	Improvements to Hagalavadi tank & feedar halla in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
38	Tumkur	Gubbi	Improvements to Guddenahalli tank & feedar halla in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
39	Tumkur	Gubbi	Improvements to Gandikere tank & feedar halla in Hagalavadi hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
40	Tumkur	Gubbi	Improvements to Paramasandra tank in Nittur hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
41	Tumkur	Gubbi	Improvements of honnasetihalli thipanakatte tank in kadaba hoblli, Gubbi Taluk, Tumkur District	50.00	NIL	37.50
			<b>TOTAL</b>	<b>2140.00</b>		<b>1605.00</b>

**5.9: Strategic Action Plan for Irrigation in District under PMKSY : Dept. Sericulture**

Sl. No	Name of the Taluk / Block	Present Area Under Mulberry (Hec)	Present drip Irrigation (Hec)	present potentiality for Implementation of Drip Irrigation (Hec)	Period of Implimentation										Total Physical (Hec)			Estimate on cost (Lakhs) in 5 years at Rs. 0.97958 per Hec.	Remarks
					2016-17		2017-18		2018-19		2019-20		2020-21		Existing *	New **	Grand Total		
					Existing Potn.	New Expansion	Existing Potn.	New Expansion	Existing Potn.	New Expansion	Existing Potn.	New Expansion	Existing Potn.	New Expansion					
1.	Tumkur	126.78	70.78	56.00	11.00	5.00	11.00	7.00	11.00	9.00	11.00	9.00	12.00	8.00	56.00	38.00	94.00	91.742	Unit cost per Hectre Rs. 0.97598 Lakhs and subsidy per Hectre Rs. 0.87838 Lakhs.
2.	Tiptur	75.32	42.32	33.00	6.00	2.00	6.00	5.00	6.00	6.00	6.00	6.00	9.00	6.00	33.00	25.00	58.00	56.606	
3.	Turuvekere	87.25	48.25	39.00	8.00	2.00	8.00	5.00	8.00	8.00	8.00	10.00	7.00	10.00	39.00	35.00	74.00	72.222	
4.	C.N. Halli	94.45	52.45	42.00	8.00	3.00	8.00	5.00	8.00	10.00	8.00	10.00	10.00	10.00	42.00	38.00	80.00	78.078	
5.	Gubbi	53.7	30.7	23.00	4.00	2.00	4.00	4.00	4.00	5.00	4.00	5.00	7.00	5.00	23.00	21.00	44.00	42.943	
6.	Madhugiri	800.78	448.78	352.00	70.00	10.00	70.00	10.00	70.00	15.00	70.00	15.00	72.00	15.00	352.00	65.00	417.00	406.983	
7.	Pavagada	964.95	534.95	430.00	86.00	14.00	86.00	15.00	86.00	20.00	86.00	20.00	86.00	20.00	430.00	89.00	519.00	506.533	
8.	Koratagera	343.75	193.75	150.00	30.00	10.00	30.00	10.00	30.00	10.00	30.00	12.00	30.00	10.00	150.00	52.00	202.00	197.147	
9.	Sira	522.32	292.32	230.00	46.00	14.00	46.00	20.00	46.00	15.00	46.00	15.00	46.00	15.00	230.00	79.00	309.00	301.577	
10.	Kunigal	888.78	488.78	400.00	80.00	10.00	80.00	10.00	80.00	10.00	80.00	10.00	80.00	10.00	400.00	50.00	450.00	439.191	
	<b>TOTAL</b>	<b>3958.08</b>	<b>2203.08</b>	<b>1755.00</b>	<b>349.00</b>	<b>72.00</b>	<b>349.00</b>	<b>91.00</b>	<b>349.00</b>	<b>108.00</b>	<b>349.00</b>	<b>112.00</b>	<b>359.00</b>	<b>109.00</b>	<b>1755.0</b>	<b>492.00</b>	<b>2247.0</b>	<b>2193.027</b>	

- Existing potential area for drip installation

\*\* New area expansion for drip installation

**5.10: Action Plan for PMKSY Project In Social Forestry, 2016-17 to 2020-21**

<b>Action Plan for PMKSY Project In Social Forestry Range, Madhugiri From 2016-17 to 2020-21</b>													
Sl.No	Works Details	2016-17		2017-18		2018-19		2019-20		2020-21		Total	
		Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	131	14
1	Raising of Road Side Plantation ( in Km)	15	12	15	13.2	15	14.5	15	15.4	15	16.94	75	72.04
2	Maintenance of Road Side Plantation ( in Km)	0	0	15	1.5	30	3.3	45	4.95	60	6.6	75	16.35
3	Raising o Plantation in Gomal Land/School Compound and other Govt. Land( in Km)	20	7.5	20	8.25	20	9.07	20	10.04	20	11	100	45.86
4	Raising and Mainteneace of seedlings ( in lakhs)												
	14"x20"	0.50	3.75	0.50	4.12	0.50	4.53	0.50	4.98	0.50	5.48	2.50	22.86
	10"x16"	1.00	5.00	1.00	5.5	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
	8"x12"	5.00	12.50	5.00	14.00	5.00	15.40	5.00	16.90	5.00	18.59	25.00	77.39
5	Agro Forestry Plantation in Farmers Land-10x16 seedlings (thousands)	1.00	5.00	1.00	5.50	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
5	Agro Forestry Plantation in Farmers Land in 8x12 seedlings (thousands)	5.00	12.50	5.00	14.00	5.00	15.4	5.00	16.90	5.00	18.59	25.00	77.39
6	SMC Works- (in Cum)	1000	10	1000	11	1000	12.1	1000	13.3	1000	14.6	5000	61
	<b>Total</b>		<b>68.25</b>		<b>77.1</b>		<b>86.40</b>		<b>95.8</b>		<b>106.42</b>		<b>433.91</b>



### Action Plan for PMKSY Project In Social Forestry Range, Pavagada From 2016-17 to 2020-21

Sl.No	Works Details	2016-17		2017-18		2018-19		2019-20		2020-21		Total	
		Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Raising of Road Side Plantation ( in Km)	15	12	15	13.2	15	14.5	15	15.4	15	16.94	75	72.04
2	Maintenance of Road Side Plantation ( in Km)	0	0	15	1.500	30	3.300	45	4.9500	60	6.60	75	16.35
3	Raising o Plantation in Gomal Land/School Compound and other Govt. Land( in Km)	20	7.5	20	8.25	20	9.07	20	10.04	20	11	100	45.86
4	Raising and Maintenace of seedlings ( in lakhs)										0		0
	14"x20"	0.50	3.75	0.50	4.12	0.50	4.53	0.50	4.98	0.50	5.48	2.50	22.86
	10"x16"	1.00	5.00	1.00	5.5	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
	8"x12"	5.00	12.50	5.00	14.00	5.00	15.40	5.00	16.90	5.00	18.59	25.00	77.39
5	Agro Forestry Plantation in Farmers Land- 10x16 seedlings (thousands)	1.00	5.00	1.00	5.50	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
5	Agro Forestry Plantation in Farmers Land in 8x12 seedlings (thousands)	5.00	12.50	5.00	14.00	5.00	15.4	5.00	16.90	5.00	18.59	25.00	77.39
6	SMC Works- (in Cum)	1000	10	1000	11	1000	12.1	1000	13.3	1000	14.6	5000	61
	<b>Total</b>		<b>68.25</b>		<b>77.1</b>		<b>86.40</b>		<b>95.8</b>		<b>106.42</b>		<b>433.91</b>

### Action Plan for PMKSY Project In Social Forestry Range, Koratagere From 2016-17 to 2020-21

Sl.No	Works Details	2016-17		2017-18		2018-19		2019-20		2020-21		Total	
		Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Raising of Road Side Plantation ( in Km)	15	12	15	13.2	15	14.5	15	15.4	15	16.94	75	72.04
2	Maintenance of Road Side Plantation ( in Km)	0	0	15	1.5	30	3.3	45	4.95	60	6.6	75	16.35
3	Raising o Plantation in Gomal Land/School Compound and other Govt. Land( in Km)	20	7.5	20	8.25	20	9.07	20	10.04	20	11	100	45.86
4	Raising and Mainteneace of seedlings ( in lakhs)												
	14"x20"	0.50	3.75	0.50	4.12	0.50	4.53	0.50	4.98	0.50	5.48	2.50	22.86
	10"x16"	1.00	5.00	1.00	5.5	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
	8"x12"	5.00	12.50	5.00	14.00	5.00	15.40	5.00	16.90	5.00	18.59	25.00	77.39
5	Agro Forestry Plantation in Farmers Land- 10x16 seedlings (thousands)	1.00	5.00	1.00	5.50	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
5	Agro Forestry Plantation in Farmers Land in 8x12 seedlings (thousands)	5.00	12.50	5.00	14.00	5.00	15.4	5.00	16.90	5.00	18.59	25.00	77.39
6	SMC Works- (in Cum)	1000	10	1000	11	1000	12.1	1000	13.3	1000	14.6	5000	61
	<b>Total</b>		<b>68.25</b>		<b>77.1</b>		<b>86.40</b>		<b>95.8</b>		<b>106.42</b>		<b>433.91</b>

**Action Plan for PMKSY Project In Social Forestry Range, Sira From 2016-17 to 2020-21**

Sl.No	Works Details	2016-17		2017-18		2018-19		2019-20		2020-21		Total	
		Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Raising of Road Side Plantation ( in Km)	15	12	15	13.2	15	14.5	15	15.4	15	16.94	75	72.04
2	Maintenance of Road Side Plantation ( in Km)	0	0	15	1.5	30	3.3	45	4.95	60	6.6	75	16.35
3	Raising o Plantation in Gomal Land/School Compound and other Govt. Land( in Km)	20	7.5	20	8.25	20	9.07	20	10.04	20	11	100	45.86
4	Raising and Maintenace of seedlings ( in lakhs)												
	14"x20"	0.50	3.75	0.50	4.12	0.50	4.53	0.50	4.98	0.50	5.48	2.50	22.86
	10"x16"	1.00	5.00	1.00	5.5	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
	8"x12"	5.00	12.50	5.00	14.00	5.00	15.40	5.00	16.90	5.00	18.59	25.00	77.39
5	Agro Forestry Plantation in Farmers Land- 10x16 seedlings (thousands)	1.00	5.00	1.00	5.50	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
5	Agro Forestry Plantation in Farmers Land in 8x12 seedlings (thousands)	5.00	12.50	5.00	14.00	5.00	15.4	5.00	16.90	5.00	18.59	25.00	77.39
6	SMC Works- (in Cum)	1000	10	1000	11	1000	12.1	1000	13.3	1000	14.6	5000	61
	<b>Total</b>		<b>68.25</b>		<b>77.1</b>		<b>86.40</b>		<b>95.8</b>		<b>106.42</b>		<b>433.91</b>

### Action Plan for PMKSY Project In Social Forestry Range, Tumkur From 2016-17 to 2020-21

Sl.No	Works Details	2016-17		2017-18		2018-19		2019-20		2020-21		Total	
		Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Raising of Road Side Plantation ( in Km)	15	12	15	13.2	15	14.5	15	15.4	15	16.94	75	72.04
2	Maintenance of Road Side Plantation ( in Km)	0	0	15	1.5	30	3.3	45	4.95	60	6.6	75	16.35
3	Raising o Plantation in Gomal Land/School Compound and other Govt. Land( in Km)	20	7.5	20	8.25	20	9.07	20	10.04	20	11	100	45.86
4	Raising and Maintenace of seedlings ( in lakhs)												
	14"x20"	0.50	3.75	0.50	4.12	0.50	4.53	0.50	4.98	0.50	5.48	2.50	22.86
	10"x16"	1.00	5.00	1.00	5.5	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
	8"x12"	5.00	12.50	5.00	14.00	5.00	15.40	5.00	16.90	5.00	18.59	25.00	77.39
5	Agro Forestry Plantation in Farmers Land-10x16 seedlings (thousands)	1.00	5.00	1.00	5.50	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
5	Agro Forestry Plantation in Farmers Land in 8x12 seedlings (thousands)	5.00	12.50	5.00	14.00	5.00	15.4	5.00	16.90	5.00	18.59	25.00	77.39
6	SMC Works- (in Cum)	1000	10	1000	11	1000	12.1	1000	13.3	1000	14.6	5000	61
	<b>Total</b>		<b>68.25</b>		<b>77.1</b>		<b>86.40</b>		<b>95.8</b>		<b>106.42</b>		<b>433.91</b>

### Action Plan for PMKSY Project In Social Forestry Range, Gubbi From 2016-17 to 2020-21

Sl.No	Works Details	2016-17		2017-18		2018-19		2019-20		2020-21		Total	
		Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Raising of Road Side Plantation ( in Km)	15	12	15	13.2	15	14.5	15	15.4	15	16.94	75	72.04
2	Maintenance of Road Side Plantation ( in Km)	0	0	15	1.5	30	3.3	45	4.95	60	6.6	75	16.35
3	Raising o Plantation in Gomal Land/School Compound and other Govt. Land( in Km)	20	7.5	20	8.25	20	9.07	20	10.04	20	11	100	45.86
4	Raising and Maintenace of seedlings ( in lakhs)												
	14"x20"	0.50	3.75	0.50	4.12	0.50	4.53	0.50	4.98	0.50	5.48	2.50	22.86
	10"x16"	1.00	5.00	1.00	5.5	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
	8"x12"	5.00	12.50	5.00	14.00	5.00	15.40	5.00	16.90	5.00	18.59	25.00	77.39
5	Agro Forestry Plantation in Farmers Land-10x16 seedlings (thousands)	1.00	5.00	1.00	5.50	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
5	Agro Forestry Plantation in Farmers Land in 8x12 seedlings (thousands)	5.00	12.50	5.00	14.00	5.00	15.4	5.00	16.90	5.00	18.59	25.00	77.39
6	SMC Works- (in Cum)	1000	10	1000	11	1000	12.1	1000	13.3	1000	14.6	5000	61
	<b>Total</b>		<b>68.25</b>		<b>77.1</b>		<b>86.40</b>		<b>95.8</b>		<b>106.42</b>		<b>433.91</b>

### Action Plan for PMKSY Project In Social Forestry Range, C.N.Halli From 2016-17 to 2020-21

Sl.No	Works Details	2016-17		2017-18		2018-19		2019-20		2020-21		Total	
		Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Raising of Road Side Plantation ( in Km)	15	12	15	13.2	15	14.5	15	15.4	15	16.94	75	72.04
2	Maintenance of Road Side Plantation ( in Km)	0	0	15	1.5	30	3.3	45	4.95	60	6.6	75	16.35
3	Raising o Plantation in Gomal Land/School Compound and other Govt. Land( in Km)	20	7.5	20	8.25	20	9.07	20	10.04	20	11	100	45.86
4	Raising and Maintenace of seedlings ( in lakhs)												
	14"x20"	0.50	3.75	0.50	4.12	0.50	4.53	0.50	4.98	0.50	5.48	2.50	22.86
	10"x16"	1.00	5.00	1.00	5.5	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
	8"x12"	5.00	12.50	5.00	14.00	5.00	15.40	5.00	16.90	5.00	18.59	25.00	77.39
5	Agro Forestry Plantation in Farmers Land-10x16 seedlings (thousands)	1.00	5.00	1.00	5.50	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
5	Agro Forestry Plantation in Farmers Land in 8x12 seedlings (thousands)	5.00	12.50	5.00	14.00	5.00	15.4	5.00	16.90	5.00	18.59	25.00	77.39
6	SMC Works- (in Cum)	1000	10	1000	11	1000	12.1	1000	13.3	1000	14.6	5000	61
	<b>Total</b>		<b>68.25</b>		<b>77.1</b>		<b>86.40</b>		<b>95.8</b>		<b>106.42</b>		<b>433.91</b>

### Action Plan for PMKSY Project In Social Forestry Range, Tiptur From 2016-17 to 2020-21

Sl.No	Works Details	2016-17		2017-18		2018-19		2019-20		2020-21		Total	
		Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Raising of Road Side Plantation ( in Km)	15	12	15	13.2	15	14.5	15	15.4	15	16.94	75	72.04
2	Maintenance of Road Side Plantation ( in Km)	0	0	15	1.5	30	3.3	45	4.95	60	6.6	75	16.35
3	Raising o Plantation in Gomal Land/School Compound and other Govt. Land( in Km)	20	7.5	20	8.25	20	9.07	20	10.04	20	11	100	45.86
4	Raising and Maintenace of seedlings ( in lakhs)												
	14"x20"	0.50	3.75	0.50	4.12	0.50	4.53	0.50	4.98	0.50	5.48	2.50	22.86
	10"x16"	1.00	5.00	1.00	5.5	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
	8"x12"	5.00	12.50	5.00	14.00	5.00	15.40	5.00	16.90	5.00	18.59	25.00	77.39
5	Agro Forestry Plantation in Farmers Land- 10x16 seedlings (thousands)	1.00	5.00	1.00	5.50	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
5	Agro Forestry Plantation in Farmers Land in 8x12 seedlings (thousands)	5.00	12.50	5.00	14.00	5.00	15.4	5.00	16.90	5.00	18.59	25.00	77.39
6	SMC Works- (in Cum)	1000	10	1000	11	1000	12.1	1000	13.3	1000	14.6	5000	61
	<b>Total</b>		<b>68.25</b>		<b>77.1</b>		<b>86.40</b>		<b>95.8</b>		<b>106.42</b>		<b>433.91</b>

### Action Plan for PMKSY Project In Social Forestry Range, Kunigal From 2016-17 to 2020-21

Sl.No	Works Details	2016-17		2017-18		2018-19		2019-20		2020-21		Total	
		Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Raising of Road Side Plantation ( in Km)	15	12	15	13.2	15	14.5	15	15.4	15	16.94	75	72.04
2	Maintenance of Road Side Plantation ( in Km)	0	0	15	1.5	30	3.3	45	4.95	60	6.6	75	16.35
3	Raising o Plantation in Gomal Land/School Compound and other Govt. Land( in Km)	20	7.5	20	8.25	20	9.07	20	10.04	20	11	100	45.86
4	Raising and Maintenace of seedlings ( in lakhs)												
	14"x20"	0.50	3.75	0.50	4.12	0.50	4.53	0.50	4.98	0.50	5.48	2.50	22.86
	10"x16"	1.00	5.00	1.00	5.5	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
	8"x12"	5.00	12.50	5.00	14.00	5.00	15.40	5.00	16.90	5.00	18.59	25.00	77.39
5	Agro Forestry Plantation in Farmers Land- 10x16 seedlings (thousands)	1.00	5.00	1.00	5.50	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
5	Agro Forestry Plantation in Farmers Land in 8x12 seedlings (thousands)	5.00	12.50	5.00	14.00	5.00	15.4	5.00	16.90	5.00	18.59	25.00	77.39
6	SMC Works- (in Cum)	1000	10	1000	11	1000	12.1	1000	13.3	1000	14.6	5000	61
	<b>Total</b>		<b>68.25</b>		<b>77.1</b>		<b>86.40</b>		<b>95.8</b>		<b>106.42</b>		<b>433.91</b>



### Action Plan for PMKSY Project In Social Forestry Range, Turuvekere From 2016-17 to 2020-21

Sl.No	Works Details	2016-17		2017-18		2018-19		2019-20		2020-21		Total	
		Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)	Phy.	Fin. (In lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Raising of Road Side Plantation ( in Km)	15	12	15	13.2	15	14.5	15	15.4	15	16.94	75	72.04
2	Maintenance of Road Side Plantation ( in Km)	0	0	15	1.5	30	3.3	45	4.95	60	6.6	75	16.35
3	Raising o Plantation in Gomal Land/School Compound and other Govt. Land( in Km)	20	7.5	20	8.25	20	9.07	20	10.04	20	11	100	45.86
4	Raising and Maintenace of seedlings ( in lakhs)												
	14"x20"	0.50	3.75	0.50	4.12	0.50	4.53	0.50	4.98	0.50	5.48	2.50	22.86
	10"x16"	1.00	5.00	1.00	5.5	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
	8"x12"	5.00	12.50	5.00	14.00	5.00	15.40	5.00	16.90	5.00	18.59	25.00	77.39
5	Agro Forestry Plantation in Farmers Land-10x16 seedlings (thousands)	1.00	5.00	1.00	5.50	1.00	6.05	1.00	6.65	1.00	7.31	5.00	30.51
5	Agro Forestry Plantation in Farmers Land in 8x12 seedlings (thousands)	5.00	12.50	5.00	14.00	5.00	15.4	5.00	16.90	5.00	18.59	25.00	77.39
6	SMC Works- (in Cum)	1000	10	1000	11	1000	12.1	1000	13.3	1000	14.6	5000	61
	<b>Total</b>		<b>68.25</b>		<b>77.1</b>		<b>86.40</b>		<b>95.8</b>		<b>106.42</b>		<b>433.91</b>

**5.11: Activities suggested under upper Bhadra Project in Tumkur district**

**a. Tanks Proposed for filling in SIRA Taluk under Upper Bhadra Project**

Sl No.	Village	Name of Tank	Index	Survey No.	Tank Capacity in Mcft	Atchkat in Ha.	Water spread area in Ha.	Latitude Longitude	Estimated Cost in Lakhs
1	Madalur	Madalur Doddakere	S-1	463	286.12	205.78	355.38	13° 49' 19.98" 76° 58' 3.47"	75.00
2	Guligenahalli	Guligenahalli kere	S-2	31	2.09	61.89	8.00	13° 42' 59.25" 76° 59' 54.31"	10.00
3	Magodu	Magodu kere	S-3	128, 159, 169	103.43	131.62	17.00	13° 42' 49.93" 76° 58' 32.12"	50.00
4	Doddagula	Doddagula kere	S-4	239	53.92	141.87	94.8	13° 41' 34.947" 76° 57' 6.9732".	50.00
5	Halkur	Halkur kere	S-5	61	28.79	41.48	76.00	13° 43' 54.17" 76° 56' 24.45"	25.00
6	Yaliyur	Yaliyur Gangera vaddu	S-6	157, 193, 174, 261	25.92	51.58	56.40	13° 41' 11.7492" 76° 55' 10.7754"	25.00
7	Kotta	Kotta Doddakere	S-7	345, 279	55.49	84.42	108.00	13° 47' 44.5914" 76° 55' 50.1378"	35.00
8	Bidarekere	Bidarekere kere	S-8	5	3.14	46.00	19.60	13° 47' 30.1884" 76° 52' 6.8124"	10.00
9	Madalur	Madalur Chikkakere	S-9	36	36.12	75.71	71.20	13° 48' 27.87" 76° 57' 36.16"	25.00
10	Channanaku nte	Channanakunte kere	S-10	29	20.68	45.66	37.20	13° 44' 22.6932" 76° 57' 15.4584"	25.00

11	Melukunte	Melukunte kere	S-11	407	14.39	82.35	48.00	13° 49' 11.2368" 76° 55' 55.9704"	10.00
12	Bhuvanahalli	Bhuvanahalli kere	S-12	69, 73, 89	28.50	53.60	87.20	13° 44' 42.4998" 76° 51' 15.7932"	25.00
13	Honnagondanahalli	Honnagondanahalli kere	S-13	53	33.20	41.70	16.76	13° 45' 58.3596" 76° 58' 56.6508"	30.00
14	Borasandra	Borasandrakere	S-14	117	13.08	56.44	24.00	13° 42' 28.944"77° 0' 38.6928"	15.00
15	Girinathana halli	Girinathanahalli kere	S-15	53	6.80	59.41	14.00	13° 44' 34.461" 76° 57' 41.2524"	15.00
16	Hosur	Hosur Doddakere	S-16	148	120.72	228.46	233.91	13° 53' 27.5388" 76° 47' 32.3484"	50.00
17	Devarahalli	Devarahalli kere	S-17	46, 47	4.70	49.18	16.61	13° 39' 37.4538" 76° 55' 6.4122"	10.00
18	Changavara	Changavara kere	S-18	66	41.28	69.88	109.88	13° 55' 53.6658" 76° 51' 17.751"	30.00
19	Brahamasandra	Brahamasandra kere	S-19	486	28.48	48.00	88.67	13° 35' 25.7022" 76° 59' 19.8312"	25.00
20	Nadur	Nadur Doddakere	S-20	439	41.28	73.28	98.98	13° 52' 46.7502" 76° 56' 4.2822"	30.00
21	Kaggladu	Kaggladu kere	S-21	59, 136, 137	31.35	68.67	64.6	13° 48' 33.6306" 76° 51' 45.1368"	25.00
22	Kamagondanahalli	Kamagondanahalli Doddakere	S-22	52, 148	12.20	61.23	28.68	13° 53' 44.9406" 76° 54' 49.5072"	15.00
23	Hemdore	Hemdore Doddakere	S-23	133	23.51	128.54	62.21	13° 53' 19.5282" 76° 53' 13.4478"	25.00

24	Bevinahalli	Bevinahalli kere	S-24	99	7.83	164.54	29.08	13° 54' 14.5398" 76° 49' 42.8154"	10.00
25	Yenjalagere	Yenjalagere kere	S-25	37	16.30	40.64	40.40	13° 57' 40.1976" 76° 53' 40.8156"	20.00
26	Baragur	Baragur kere	S-26	104	79.04	104.80	150.20	13° 56' 10.2006" 76° 59' 18.3438"	40.00
27	Badamarana halli	Badamaranah alli kere	S-27	2	2.60	57.08	7.60	13° 54' 58.9458" 77° 1' 11.6436"	10.00
28	Harogere	Harogere kere	S-28	46	13.00	57.72	34.00	13° 56' 15.003"77° 0' 26.0022"	15.00
29	Handikunte	Handikunte kere	S-29	50, 51	28.34	54.13	58.00	13° 53' 45.9126" 76° 59' 25.89"	25.00
30	Agrahara	Agrahara kere	S-30	24	22.10	46.01	45.20	13° 53' 50.7876" 76° 58' 40.2384"	20.00
31	Doddabanagere	Doddabanagere kere	S-31	12	178.10	160.97	400.00	13° 59' 45.4992" 76° 58' 12.9138"	55.00
32	Chikkabanagere	Chikkabanagere kere	S-32	69	73.58	52.79	159.60	13° 59' 2.9214" 76° 57' 56.6928"	35.00
33	Thadakalur	Thadakalur kere	S-33	132	23.66	88.96	28.10	14° 1' 13.1916" 76° 54' 40.6362"	25.00
34	Nidagatte	Nidagatte kere	S-34	44	23.66	48.16	70.00	14° 0' 10.983" 76° 55' 28.8408"	25.00
35	Dodda Hulikunte	Doddahulikunte kere	S-35	60, 125, 130	80.86	79.86	175.20	13° 58' 42.5676" 76° 55' 37.3044"	40.00
36	Nejanthi	Nejanthi kere	S-36	113	28.86	42.25	68.40	14° 0' 9.3342" 76° 53' 4.542"	25.00
37	Kotti	Kotti kere	S-37	56, 46, 47, 89	4.70	40.40	18.57	13° 57' 43.1964" 76° 54' 7.2324"	10.00

38	Lakshmisagara	Lakshmisagara kere (Handenahalli Kere)	S-38	11	215.44	289	215.44	13° 46' 12.291" 76° 48' 51.2532"	70.00
39	Bhoopasandra	Bhoopasandra kere	S-39	6	83.23	56.44	13.07	13° 38' 40.2066" 76° 57' 53.2974"	40.00
40	Ajjenahalli	Ajjenahalli kere	S-40	81, 137, 138	36.38	44.00	15.60	13° 38' 41.1828" 76° 56' 46.4028"	25.00
41	Kallambella	Kallambella kere	S-41	237	248.42	679.59	293.70	13° 37' 44.2014" 76° 55' 48.9324"	75.00
		<b>Total</b>			<b>2181.29</b>	<b>4014.09</b>	<b>3559.24</b>		1200.00

**b. Tanks Proposed for filling in CHIKKANAYAKANAHALLI Taluk under Upper Bhadra Project**

Sl No.	Village	Name of Tank	Index	Survey No.	Tank Capacity in Mcft	Atchkat in Ha.	Water spread area in Ha.	Latitude Longitude	Estimated Cost in Lakhs
1	Kere Suragondanahalli	Kere Suragondanahalli Kere	S-1		1.56	6.48	6.07	13° 35' 21.57" 76° 30' 6.7428"	10.00
2	Huliyar	Huliyar Amanikere	S-2	47	99.79	141.6	162.80	13° 35' 13.3542" 76° 32' 9.4626"	50.00
3	Timmalapura	Jodi Timmalapura	S-3		105.4	280	198.45	13° 33' 15.1734" 76° 31' 39.3024"	60.00
4	Marenadu	Marenadukere	S-4		24.79	23.65	52.65	13° 41' 43.0656" 76° 39' 31.9752"	35.00
5	Marathipalya	Bhattarahally Ura Mundinakere	S-5		1.82	13.06	8.50	13° 35' 11.7486" 76° 28' 58.551"	10.00
6	Singapura	Singapura Kodageechanakatte	S-6		0.78	11.60	1.62	13° 36' 20.3358" 76° 26' 55.7664"	10.00
7	Elenadu	Yalanadu Oora Mundinakere	S-7		8.4	5.74	8.98	13° 35' 50.9388" 76° 28' 45.7818"	15.00
8	Kurihatti	Gowdagere Venkataiahana kere	S-8		13.19	10.40	20.65	13° 36' 43.632" 76° 32' 37.9134"	20.00
9	Kenkere	Kenkere Hosakere	S-9		4.43	5.92	19.03	13° 37' 35.2662" 76° 31' 46.9482"	10.00

10	Tore Suragondan ahalli		S-10		N.A	N.A	N.A	13° 33' 43.3434" 76° 32' 48.1992"	0.00
11	Upparahatti	Koragere Uppara Katte	S-11		1.56	16.34	6.07	13° 34' 23.4336" 76° 28' 54.4974"	10.00
12	Oddanakall uhalli	Sangenahalli Echala kere	S-12		2.49	14.80	9.50	13° 33' 27.7914" 76° 36' 18.2334"	10.00
13	Seegebagi	Seegebagi Oora mundina kere	S-13		6.00	34.40	21.87	13° 32' 58.6134" 76° 30' 38.2602"	10.00
14	Borakanave	Borakanave Dam	S-14	1	2423.50	675.22	1346.62	13° 36' 5.5332" 76° 38' 5.028"	200.00
15	Dasudi state Forest	Dasudi Ramappana Kere	S-15		29.45	19.97	31.99	13° 41' 45.8772" 76° 36' 59.2626"	40.00
16	Kodihalli	Dodda Bidarekere	S-16		16.57	34.4	47.38	13° 33' 7.2318" 76° 33' 44.6256"	25.00
17	Guruvapura	Guruvapura(Somanahalli Ganadhalu Tank)	S-17		69.63	96.8	66.82	13° 38' 18.4452" 76° 35' 21.5232"	40.00
18	Motihalli	Motihalli Kere	S-18		16.39	17.00	54.67	13° 34' 54.3648" 76° 26' 31.7034"	25.00
19	Chikkabidare	Chikkabidare Kere	S-19	71	13.38	56.40	59.94	13° 32' 13.5456" 76° 34' 19.7688"	20.00
		<b>Total</b>			<b>2839.13</b>	<b>1463.78</b>	<b>2123.61</b>		<b>600.00</b>

**c. Tanks in PAVAGADA Taluk under M I Tanks under Upper Bhadra Project**

SI No.	Village	Name of Tank	Index	Survey No.	Tank Capacity in Mcft	Atchkat in Ha.	Water spread area in Ha.	Latitude Longitude	Remarks
1	Jadonahalli	Jadonahalli kere			16.000				
2	Pennabbanahallia	Pennabbanahallia kere			10.000				
3	Rangasamudra	Rangasamudra kere		217	28.000	69.20	52		M.I Tank
4	Shailapura kere -1	Shailapura kere -1			22.000				
5	Shailapura kere -2	Shailapura kere -2			2.000				
6	Devarakere	Devarakere			4.000				
7	Chittagana halli	Chittagana halli kere			34.000				
8	Gollanakunte	Gollanakunte Karekal kere		83	18.000	50.40	36		M.I Tank
9	Bodasanahalli	Bodasanahalli kere			2.000				
10	Gujjarahalli	Gujjarahalli kere			4.000				
11	Virupakshpura	Virupakshpura kere			66.000				
12	Marur	Marur Kere			2.000				
13	Arasikere	Arasikere Gujjarappana kere		313	48.000	68.80	92.8		M.I Tank
14	Sitarampura	Sitarampura kere			4.000				
15	Mangalavada	Mangalavada Akkagal kere		230	20.000	59.60	44.8		M.I Tank
16	Karekyatanahalli	Karekyatanahalli kere			10.000				
17	Madde	Madde Eragana kere		2	12.000	45.60	23.6		M.I Tank
18	Tumkunte	Tumkunte Anjaneya swamy kere		4	18.000	60.40	44.4		M.I Tank
19	Arasikere	Arasikere Humpainakere		221	420.000	95.20	72.8		M.I Tank
20	Kotagudda -2	Kotagudda -2 kere			24.000				



21	Devarabetta	Devarabetta kere			2.000				
22	Dandorapalya	Dandorapalya kere			68.000				
23	Gundalahalli	Gundlahalli Mohiddin kere		110	78.000	54.8	101.60		M.I Tank
24	Kotagudda	Kotagudda kere			16.000				
25	Komarala halli	Komarala halli kere			72.000				
26	Achammanala halli	Achammanala halli kere			16.000				
27	Kadapala kere	Kadapalakere Akkammana kere		6	10.000	46.80	20.8		M.I Tank
28	Kanikalabande	Kanikalabande kere			20.000				
29	Pallavalli	Pallavalli Pallavarayanakere		72	388.000	282.80	520.00		M.I Tank
30	Errampalli	Errampalli kere			18.000				
		Total			<b>1452.000</b>				

**d. Cost For Providing Water Supply To Pavagada Taluk Mi Tanks Under Upper Bhadra Project**

SL No	Description of works	Amount in Lakhs	Remarks
<b>I</b>	<b>CIVIL WORKS</b>		
1	Construction of Raising Main	11837.00	
2	Construction of Gravity Main	274.00	
3	Feeder Line Cost	1426.00	
4	jackwell cum pumphouse @ Barrage site	600.00	
5	Pump house @ intermidiate pumping station	50.00	Lumpsom
6	Storage tank ( 2 Nos )	20.00	Lumpsom

7	Providing Sluice valves of required diameter wherever required with all lead and lifts and with construction of valve chambers ( For Gravity main and Feeder mains )	50.00	Lumpsom
<b>II</b>	<b>ELECTROMECHANICAL WORKS</b>		
1	Cost of pumps	972.00	Total HP -6480 @ rate /HP = Rs 10000 Plus 50 % stand by
2	Cost of Substation , Transformer etc	400.00	200.00 lakhs for Each Station
3	Bringing Power Supply( Electrical line Cost )	500.00	20.00 Lakh per KM
<b>III</b>	Feeder line for providing Water supply to Pavagada Taluk from Tail end portion of CBC up to Barrage	2000.00	
<b>IV</b>	Constriction of barrage across Vedavathi River	4000.00	Lumpsom
	<b>GRAND TOTAL</b>	<b>22129.00</b>	

**5.12: Strategic Action Plan for Drinking Water in Tumkur district under PMKSY For Yettinahole Project**

Sl No	Name of the Blocks/Sub District	Concerned Ministry/Department	Component	Activity	Total no/Capacity (BCM)	Total no/Capacity (TMC)	Total no/Capacity (TMC)	Command Area/Irrigation Potential (Ha)	Period of Implementation (5/7 yrs)	Estimated Cost (in Lakhs)
1	Chikanayakanahalli	MoWR	AIBP	Drinking Water (Reservoir)	1 nos (0.0098261)	0.34699536	0.347	-	5	18668.906
				Mi Tank Filling	-	0				
2	Tumkur	MoWR	AIBP	Drinking Water (Reservoir)	-	0	0.022	-	5	1181.769
				Mi Tank Filling	6 nos (0.000622)	0.02196531				
3	Gubbi	MoWR	AIBP	Drinking Water (Reservoir)	1 nos (0.0030582)	0.10799021	0.108	-	5	5810.046
				Mi Tank Filling	-	0				
4	Tiptur	MoWR	AIBP	Drinking Water (Reservoir)	1 nos (0.0085235)	0.30098122	0.301	-	5	16193.271
				Mi Tank Filling	-	0				
5	Pavagada	MoWR	AIBP	Drinking Water (Reservoir)	-	0	0.425	-	5	22865.895
				Mi Tank	23 nos	0.425003				

				Filling	(0.012035 )	99				
6	Madhugiri	MoWR	AIBP	Drinking Water (Reservoir)	-	0	0.843	-	5	45353.69 9
				Mi Tank Filling	45 nos (0.023871 )	0.842980 49				
7	koratagere	MoWR	AIBP	Drinking Water (Reservoir)	1 nos (0.047488 2)	1.676998 29	2.547	-	5	137032.3 52
				Mi Tank Filling	39 nos (0.024636 1)	0.869995 7				
<b>TOTAL</b>						<b>4.59291059</b>	<b>4.59291</b>	<b>-</b>		<b>247105.94</b>