

NATURAL RESOURCES DATA MANAGEMENT SYSTEM (NRDMS)

MONTHLY ACTIVITY REPORT

April - July 2025

Submitted by

District NRDMS Centre

Zilla Panchayat, Tumakuru



Submitted to

**Karnataka State Council of
Science and Technology (KSCST)**

Indian Institute of Science Campus,

Bengaluru - 560012

Geospatial Database for Sustainable Development.

BASIC INFORMATION OF THE DISTRICT.

District Name: Tumkur.

Division: Bengaluru.

Establishment Year:1997-1998.

Headquarter: Zilla Panchayath, Ward No 18 Tumkur.

Chief Planning Officer: Mr Sannamasiyappa (K.A.S).

Chief Executive Officer: Mr Prabhu G (I.A.S).

NRDMS BACKGROUND OF THE DISTRICT.

Natural Resources Data Management System (NRDMS) program started in 1992. Since then established in Tumkur District 1997-98 with active support and funding from Department of Science & Technology (DST) Government of India and Government of Karnataka. NRDMS program is a multi-disciplinary and multi-institutional program of the Council aimed at developing methodologies for building and promoting the use of spatial data management and analysis technologies in local area planning. The initial approach of planning based on macro level assessment of resources did not yield the desired results. The introduction of the concept of spatial planning to micro-levels by the Planning commission paved the way for evolution of NRDMS program. The vision of the NRDMS program during its inception was to provide S&T inputs for operationalising the concept of decentralized planning of the country by developing computer compatible spatial databases on natural resources, socio and agro-economic parameters to further the concept of area specific decentralized planning.

Resource knowledge and resource inventory is crucial to spatial planning. At the core of this concept lies an integrated approach to planning in contrast to

the sectoral method. This requires a detailed knowledge of the interrelations and interdependencies between various sectors to resolve often-conflicting demands. This leads to a requirement for appropriate data management and analyzing tools and techniques and a large matrix of sectoral data, in digital format, on natural resources, demography, socio-economy etc. and integrating them to generate appropriate information/applications required for plan preparation.

The district NRDMS centers since inception have created an exhaustive database of natural resources, socio-economic parameters, infrastructure etc. The NRDMS centres are providing analyzed/value

added information to planners and administrators besides developing applications using geo-spatial technologies suitable for local level planning. The NRDMS centers are providing need-based information to users such as elected bodies, district administration and planners through maps, charts, tables, and reports etc., on spatial and non-spatial data.

Vision

Enabling people, communities and institutions of local-self-governance with requisite databases and S&T tools for informed participation in local self-governance.

The corresponding goals of the Programme to realize the above vision could be the following:

To strengthen the S&T inputs in developing tools and techniques for integrated resource and infrastructure capacity building at various levels for planning and implementation in a spatio-temporal context in a multi-level framework below the district.

Genesis of NRDMS

The balanced regional development and effective implementation of the basic needs of our society depends on the planning process which was initially the sectoral approach confined to the central level. This accentuated the inter and intra-regional disparities in the development and hence there was necessity to decentralize the planning process to smaller area units. During the VIII five-year plan a special emphasis was rightly given to the concept of decentralized planning. While adopting the seventy third and seventy fourth constitutional amendment acts (1992), a set of specific items covering various sectors viz., land, water, agro-economy etc., were identified. Concerned agencies were required to prepare and implement integrated development schemes. This growing urge for decentralizing the process and practice of planning prompted to take a fresh look at methods of data management.

In line with the above policy, the Natural Resources Data Management System (NRDMS) project was launched by the Department of Science and Technology, Government of India.

Need of NRDMS

- Large diversity of spatial data.
- Many types of data are used for more than one purpose by more than one user.
- Utility of data set may be greatly enhanced by merging or linking it with other data sets.
- Reliability / consistency can be enhanced by correlating different parameters.
- Many organisations are involved in data collection and updating.

- Need for standardisation / compatibility of procedures of data collection and adoption.
- Need to improve the utilisation of data for decision making.

Objectives

- To develop, demonstrate methods/techniques and tools for operationalising the concept of "Decentralized (Local level) Planning" using geospatial technologies.
- To provide value added information for district level planning using geospatial database.
- Development of integrated digital database for generating
 1. Resource profiles
 2. Query-based information
 3. Static and dynamic outputs based on Spatial Decision Support System (SDSS).
- Interaction through workshops with line department officials and stakeholders at multi-level to assess their information needs in implementing the schemes and capacity building.
- To develop local specific applications using GIS tools.
- To create awareness among end-users about the utility of GIS technologies by conducting regular training programs and workshops.
- Documentation and dissemination.
- To establish district NRDMS centers in all the districts to develop database and applications that are relevant to planning and administration.

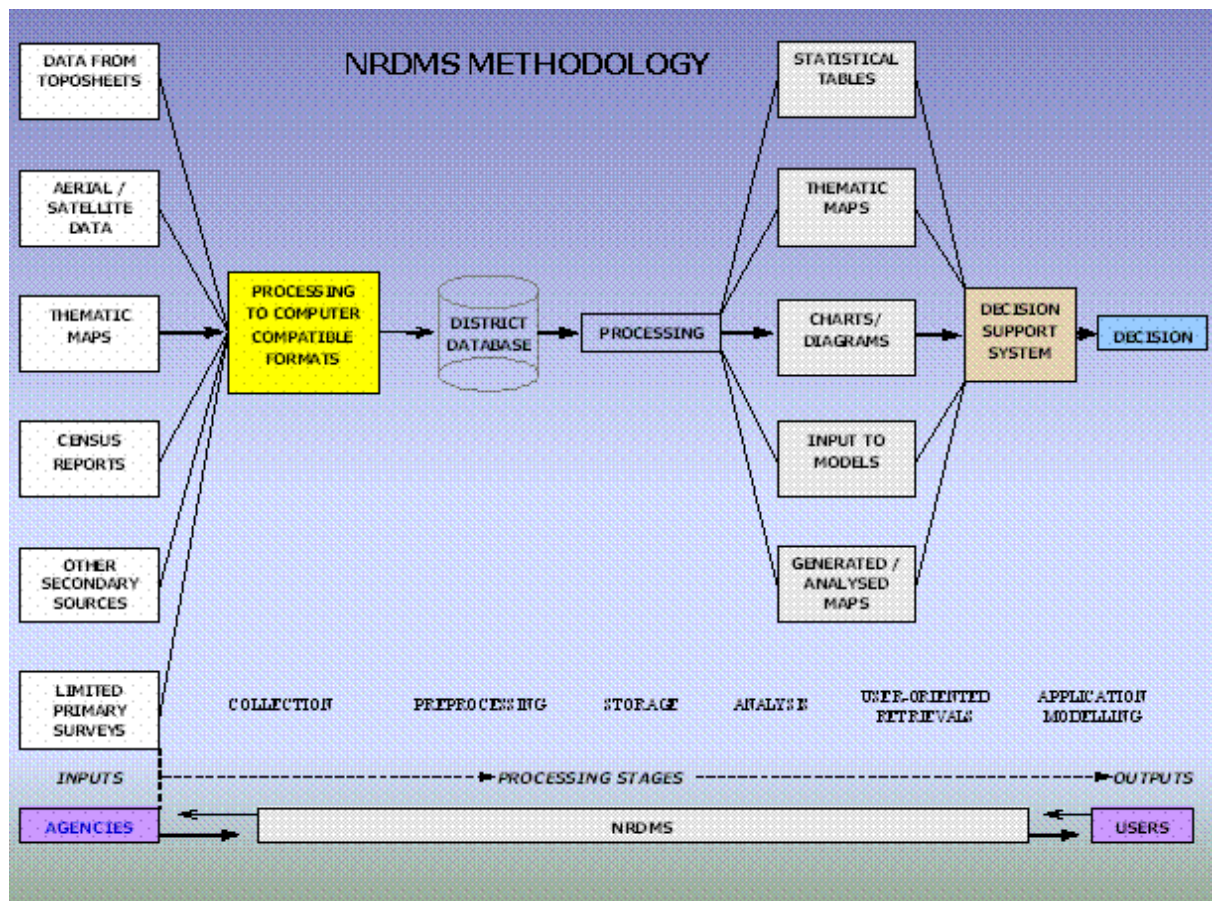
NRDMS Methodology

NRDMS programme aims to analyze the evolution of methodologies and techniques for formulating development strategies. In a scenario of large diversity of data sets, data users and data generating agencies, the programme aims at developing and demonstrating the use of spatial decision support tools for integrated planning and management of resources at the local level. The NRDMS programme uses both maps and textual data collected from various data generating agencies and remote sensing sources. Maps are digitized and stored on a computer as a series of thematic data layers. Depending on the real unit of planning, maps on 1:250,000, 1:50,000 and cadastral scales are utilized. Data on natural resources, demography, agro & socio-economy and infrastructural facilities for a district form the core database. Those pertaining to specific problems of an area constitute the sectoral database. Textual data obtained from secondary sources are normally stored with village as a unit. Data gaps are filled in by limited primary surveys. Various decision support systems\ modules built into the system help process the data and generate

alternative scenarios for making optimal planning decisions. Outputs in the form of thematic

maps, tables and reports based on spatial analysis are obtained from the database as per the user requirements.

The diagram below indicates broadly the methodology adopted in the NRDMS project.



Geographical Information System [GIS]

A geographic information system (GIS), captures, stores, analyzes, manages, and presents data that is linked to location. Technically, GIS is geographic information systems which includes mapping software and its application with remote sensing, land surveying, aerial photography, geo-positioning system, mathematics, photogrammetry, geography, and tools that can be implemented with GIS software. GIS applications are tools that allow users to create interactive queries (user created searches), analyze spatial information, edit data, maps, and present the results of all these operations

GIS have taken advantage of rapid developments in Information technology over the past several decades to address the spatial challenges of storing and analyzing spatial data. GIS

belongs to the class of computer systems that require the building of large databases before they actually become useful. Actually, the use of a GIS requires that large spatial database be created, appropriate hardware / software be procured and installed, applications be developed, installed, integrated and tested before users can use the GIS and realize the benefit.

The role of a GIS in a government setup is more than simply automating a few obvious tasks for the sake of efficiency. A local government or zilla panchayath should view the GIS project as an opportunity to introduce fundamental change into the way its business is conducted. Just as MIS / EIS in corporate business world, the adoption of GIS effectively reorganises the data and information that the government collects, maintains and uses to conduct its affairs. This will lead to major changes in the institution both effectiveness and efficiency of operations. NRDMS uses corporate database concept to integrate GIS data for all units of Zilla Panchayath participating in a co-operative GIS program. Establishing the corporate database is much more a question of policy, management co-operation and co-ordination.

An effective corporate database does require co-operation on the part of all users, both for collection and entry of data in the database and in developing applications in a shared data context. This may result in some individual applications or uses being less efficient, however the overall benefits to the organization can easily outweigh these inefficiencies. Greater emphasis must be placed on maintaining a high quality of data and services to users.

GEOGRAPHICAL FEATURES.

Location & Boundaries

Location: 13.3710° N, 76.6413° E

Kneighboring districts: Chitradurga, Chikkaballapura, Bangalore Rural, Ramanagara, Mandya, Hassan & Chikkamagaluru.

Kneighboring states: Andhra Pradesh.

Number of taluks:10

Number of Hoblis: 50

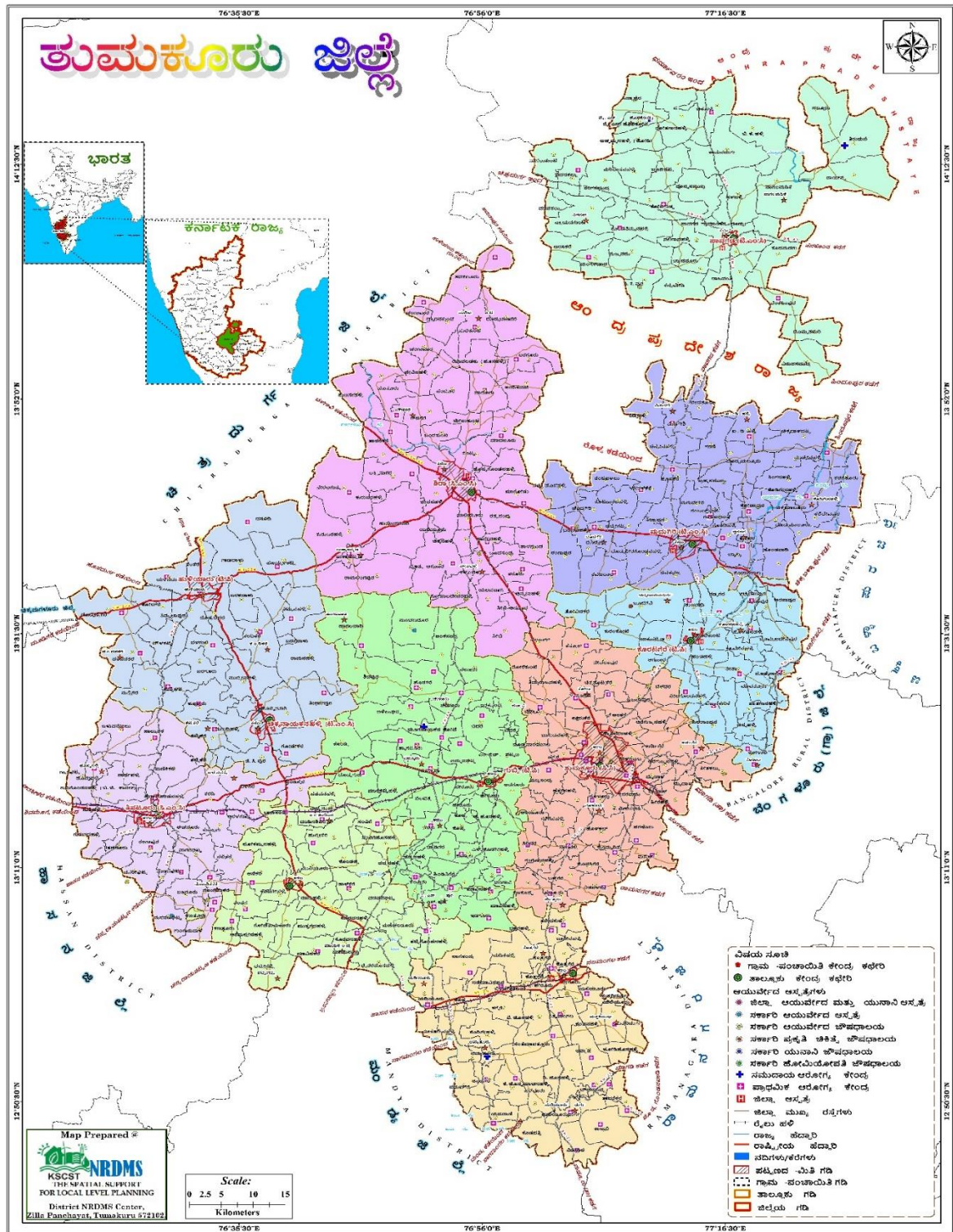
Number of Villages:2715

Number of Urban Local Bodies (ULBs):11

- **Tumakuru (CC)** - City Corporation
- **Tiptur (CMC)** - City Municipal Council
- **Sira (CMC)** - City Municipal Council
- **Chikkanayakanahalli (TMC)** - Town Municipal Council
- **Madhugiri (TMC)** - Town Municipal Council

- **Pavagada (TMC)** - Town Municipal Council
- **Kunigal (TMC)** - Town Municipal Council
- **Koratagere (TP)** - Town Panchayat
- **Gubbi (TP)** - Town Panchayat
- **Turuvekere (TP)** - Town Panchayat
- **Huliyar (TP)** - Town Panchayat

District Map



Geographical Coordinates

Latitude: 13.3710° N

Longitude: 76.6413° E

Topography

District's topography is characterized by elevated land, rolling hills, and valleys, with an average elevation of around 750-800 meters above sea level. A significant north-south trending range of hills divides the district, acting as a watershed between the Krishna and Kaveri rivers. Major rivers like the Jayamangala and Shimsha flow through valleys. Prominent hills include Channarayanadurga and Koratagiri.

- **Elevated Land and Rolling Hills**

The district is primarily elevated, with a rolling topography consisting of hills and cultivated valleys.

- **Hill Range**

A prominent range of hills runs from north to south, reaching elevations of nearly 4,000 feet (1,200 meters).

- **Watershed**

This hill range forms the crucial watershed between the Krishna River and Kaveri River basins.

- **Major Rivers**

The Jayamangala and Shimsha are the principal streams flowing through the district.

- **Prominent Hills**

Specific hills like Channarayanadurga (3,734 feet) and Koratagiri are notable topographical features.

- **Elevation**

The district's average elevation is approximately 750-800 meters above mean sea level.

- **Slope**

Topography includes low-lying areas to moderately sloping hills, with slopes ranging from 0-1% to 5-10%

Climate

Average Rainfall: 687.9mm

Temperature Range: Varies from 15.9°C to 37.3°C.

Climatic Zones: Agro-Climatic Zones

- **Central Dry Zone**

This is the primary agro-climatic zone for Tumkur.

- **Climate:** Semi-arid with moderate temperatures and rainfall.
- **Soil:** A mix of black, red, and laterite soils.

- **Eastern Dry Zone**

Some areas of the district may also be considered within this zone.

- **Climate:** Also, semi-arid, similar to the CDZ.

Natural Resources

Forests: The primary natural resource from Tumkur's forests is medicinal plants, particularly found in the Devarayanadurga and Siddarabetta hill ranges. The forests themselves provide vital ecosystem services like providing fresh air and water resources, contributing to biodiversity, and supporting climate change mitigation. The district has dry and moist deciduous forest types, including wildlife habitats and protected areas such as the Jayamangali Blackbuck Conservation Reserve.

Specific Forest Resources

- **Medicinal Plants:**

The hill ranges of Devarayanadurga and Siddarabetta are known for harboring diverse varieties of medicinal plants.

- **Wildlife**

The forests are home to various wildlife, including sloth bears in the Madhugiri State Forest.

- **Forest Types**

Forests are characterized by a mix of dry deciduous forests, with some patches of moist deciduous woods along streams.

Ecosystem Services

- **Climate Regulation**

Forests play a crucial role in mitigating climate change by absorbing carbon dioxide and releasing oxygen, as noted by Karnataka Forest Department.

- **Water and Soil**

Forest ecosystems contribute to the provision of clean water resources and the maintenance of fertile soil, which supports local agriculture.

- **Biodiversity**

The forests are vital habitats supporting a rich variety of plant and animal life.

Minerals: Significant mineral resources, including iron ore, granite, manganese, and silica sand. The district also has occurrences of other minerals such as chromite, corundum, and graphite.

Water bodies: Important rivers Jayamangali, Shimsha, and Suvarnamukhi, along with numerous smaller tanks, Kalyanis (stepwells), and the significant Amanikere lake.

Rivers

- **Jayamangali River:** One of the principal streams in the district.
- **Shimsha River:** A tributary of the Kaveri river, it originates in the Tumkur district's Devarayanadurga hills.
- **Suvarnamukhi River:** Another important river system within the district.

Lakes & Reservoirs

- **Amanikere Lake:** A well-known lake with a historical and cultural significance, serving as a water source and an eco-tourism spot.
- **Marconahalli Reservoir:** A medium irrigation project located in the Kunigal taluk.

Other Water Bodies

- **Kalyanis (Stepwells)**

There are approximately 450 Kalyanis in Tumkur district, serving as traditional water harvesting structures.

- **Minor Irrigation Tanks**

The district is home to a vast number of minor irrigation tanks, with 1642 recorded tanks providing irrigation to a significant portion of the land.

- **Groundwater**

Groundwater resources, with aquifer systems in areas like Sira taluk.

Soil: Soils in the district include creaceous red loamy soils, red sandy loam soils, sandy clay loam, and loamy soils. These soils, which range from moderately acidic to slightly alkaline, are characterized by low to medium nitrogen, but varying phosphorus and potassium levels. Nutrients like iron, manganese, and copper are often deficient or excessive, requiring careful management for sustainable agriculture, especially given the widespread overexploitation of the region's soil resources.

Soil types by formation

- Red loamy soils: Common throughout the district.
- Red sandy loam soils: Also found in the region.
- Sandy clay loam soils: Another type identified in Tumkur.
- Loamy soils: Present in various areas.
- Sandy soils: Also encountered in Tumkur.

Soil Characteristics

- Acidity: Soils generally range from moderately acidic to slightly alkaline.
- Organic Carbon: Typically low, with some exceptions.
- Nutrient Levels: Available nitrogen and phosphorus are low to medium, while potassium varies.
- Micronutrients: Iron, manganese, zinc, and copper levels are also variable.

Management & Fertility

- **Overexploitation**

Soil resources are being overexploited, necessitating sustainable management.

- **Nutrient Management**

Intensive soil nutrient management is needed.

- **Fertility**

Studies reveal a need for improved management, particularly in coconut-growing areas.

- **Soil Depth**

Soils range from deep to very deep, with many areas affected by moderate erosion.

Major Rivers/Water Sources

District includes the major rivers Jayamangali, Shimsha, and Suvarnamukhi, along with numerous smaller tanks, Kalyanis (stepwells), and the significant Amanikere lake.

NRDMS SPATIAL AND NON-SPATIAL DATA AVAILABLE IN DISTRICT NRDMS CENTRE.

Spatial data

Taluk Level Data

1. Boundaries

- Gram Panchayath Boundary
- Hobli Boundary
- Taluk Panchayath Boundary

- Zilla Panchayath Boundary
- Village Boundary.

2. Headquarters

- Gram Panchayath Headquarters
- Hobli Headquarters
- Taluk Panchayath Headquarters.

3. Settlements

- Village Settlement's.

4. Facilities

- Bank Facilities
- Communication Facilities
- Credit Societies Facilities
- Drinking Water Facilities
- Educational Facilities
- Medical Facilities
- Post And Telegraph Facilities
- Recreational And Cultural Facilities etc.

District Level Data

5. Boundaries

- Gram Panchayath Boundary
- Hobli Boundary
- Taluk Panchayath Boundary
- Zilla Panchayath Boundary
- Village Boundary.

6. Headquarters

- Gram Panchayath Headquarters
- Hobli Headquarters.

7. Settlements

- Line department building assets etc.

8. Facilities

- Communication Facilities
- Credit Societies Facilities
- Drinking Water Facilities
- Educational Facilities
- Medical Facilities
- Post And Telegraph Facilities
- Recreational And Cultural Facilities, etc.

Non-spatial data

- 2001 & 2011 Census Data
- Line department Statistical data
- Bhuvan data
- Ground Water data (CGWB & KGWA) etc.

DATABASE STATUS FOR THE YEAR 1997-98-2025

Status Code : Meaning

CC	:	Computerised.
ND	:	Not Digitized
NA	:	Not Procured
NR	:	Not Relevant
NF	:	Not Finalised

Name	:	Chathura H Gowda
Name of the District Centre	:	Tumkur
Database status as on date	:	30/06/2025
Year of Establishment	:	1997-98

SPATIAL DATABASE

Sector / Subsector	Scale	Source	Survey/ Publication Year.	Area covered	Status Code	File Format
1. Natural Resources						
<i>Land</i>						
1. Topography						
Contour Map	1:50,000	SOI	2002	District	CC	Jpeg/Pdf
Slope Map	1:50,000	SOI	2002	District	CC	Jpeg/Pdf
2. Geology – A						
Rock features	1:50,000	MGD	2002	District	CC	Jpeg/Pdf

Structural features	1:50,000	MGD	2002	District	CC	Jpeg/Pdf
Rock features	1:50,000	MGD	2002	District	CC	Jpeg/Pdf
Structural features	1:50,000	MGD	2002	District	CC	Jpeg/Pdf
Mineral Resources	1:50,000	MGD	2002	District	CC	Jpeg/Pdf
Geomorphology	1:50,000	MGD	2002	District	CC	Jpeg/Pdf
Land use	1:50,000	KRSAC	2002	District	CC	Jpeg/Pdf
Waste Lands	1:50,000	KRSAC	2002	District	CC	Jpeg/Pdf
Soils	1:50,000	NBSS & LUP	2002	District	CC	Jpeg/Pdf
Forest & Wildlife	1:50,000	KRSAC	2002	District	CC	Jpeg/Pdf
Forest type	1:50,000	KFD	2002	District	CC	Jpeg/Pdf
Crown Density	1:50,000	KFD	2002	District	CC	Jpeg/Pdf
Forest Category	1:50,000	KFD	2002	District	CC	Jpeg/Pdf
Forest admn.	1:50,000	SOI	2002	District	CC	Jpeg/Pdf
Wild Life	1:50,000	KFD	2002	District	CC	Jpeg/Pdf
Water						
1.Ground water						
Hydro Geology	1:50,000	MGD	2002	District	CC	Jpeg/Pdf
Hydro chemistry	1:50,000	ZP	2002	District	CC	Jpeg/Pdf
Ground water budget						
2.Surface water						
Drainage	1:50,000	MGD	2002	District	CC	Jpeg/Pdf
Surface water bodies	1:50,000	SOI & KRSAC	2002	District	CC	Jpeg/Pdf
3.Climate	1:50,000	SOI & KRSAC	2002	District	CC	Jpeg/Pdf

Sector / Subsector	Scale	Source	Survey / Publn. Year	Area covered	Status Code	File Format
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2.Demography						
<i>Population</i>						
Tehsil boundary	1:50,000	SOI & KRSRAC	2002	District	CC	Jpeg/Pdf
District boundary	1:50,000	SOI & KRSRAC	2002	District	CC	Jpeg/Pdf
Current popln. distbn.	1:50,000	SOI & KRSRAC	2002	District	CC	Jpeg/Pdf
<i>Literacy</i>						
Levels of education	1:50,000	Education	2002	District	CC	Jpeg/Pdf
<i>Occupation</i>						
Village boundary	1:50,000	SOI & KRSRAC	2002	District	CC	Jpeg/Pdf
<i>Employment</i>						
District scenario	1:50,000	Skill Development	2002	District	CC	Jpeg/Pdf
Employment exchange	1:50,000	Skill Development	2002	District	CC	Jpeg/Pdf
<i>Assets & Expenditure</i>	1:50,000	CEO	2002	District	CC	Jpeg/Pdf
<i>Migration</i>	1:50,000	CEO	2002	District	CC	Jpeg/Pdf
<i>Destitutes</i>	1:50,000	CEO	2002	District	CC	Jpeg/Pdf

3.Socio Economy						File Format
Industry	1:50,000	SOI & KRSRAC	2002	District	CC	Jpeg/Pdf
Developmental activity	1:50,000	SOI & KRSRAC	2002	District	CC	Jpeg/Pdf
4.Agro Economy						
Land Utilisation						

Private Land	1:50,000	DDLRL	2002	District	CC	Jpeg/Pdf
Common property	1:50,000	DDLRL	2002	District	CC	Jpeg/Pdf
Land Ownership pattern						
General scenario	1:50,000	DDLRL	2002	District	CC	Jpeg/Pdf
Farmer's holdings	1:50,000	DDLRL	2002	District	CC	Jpeg/Pdf
Principal crops	1:50,000	Agriculture	2002	District	CC	Jpeg/Pdf
Irrigation						
<i>Minor irrigation</i>						
Canals	1:50,000	DLR & SS	2002	District	CC	Jpeg/Pdf
Tube wells	1:50,000	DLR & SS	2002	District	CC	Jpeg/Pdf
Dug wells	1:50,000	DLR & SS	2002	District	CC	Jpeg/Pdf
Tanks	1:50,000	DLR & SS	2002	District	CC	Jpeg/Pdf
Lift irrigation	1:50,000	DLR & SS	2002	District	CC	Jpeg/Pdf
<i>Major irrigation</i>						
Reservoirs	1:50,000	DLR & SS	2002	District	CC	Jpeg/Pdf
Anicuts	1:50,000	DLR & SS	2002	District	CC	Jpeg/Pdf
Agricultural implements						
Animal husbandry	1:50,000	AHVS	2002	District	CC	Jpeg/Pdf
Pisciculture	1:50,000	Fishery	2002	District	CC	Jpeg/Pdf
Plantation	1:50,000	Agriculture	2002	District	CC	Jpeg/Pdf

Sector / Subsector	Scale	Source	Survey / Publn. Year	Area covere d	Status Code	File Forma t
5.Infrastructure						
Communications						
Post offices	1:50,000	DLR & SS	2002	District	CC	Jpeg/P df
Telecommunicat ion	1:50,000	DLR & SS	2002	District	CC	Jpeg/P df
Drinking water	1:50,000	DLR & SS	2002	District	CC	Jpeg/P df
Educational facilities	1:50,000	DDPI	2002	District	CC	Jpeg/P df
Electricity	1:50,000	Land Records	2002	District	CC	Jpeg/P df
Financial institutions	1:50,000	DLR & SS	2002	District	CC	Jpeg/P df
Markets	1:50,000	DLR & SS	2002	District	CC	Jpeg/P df
Health	1:50,000	DHO	2002	District	CC	Jpeg/P df
NGO's	1:50,000	DLR & SS	2002	District	CC	Jpeg/P df
Tourism	1:50,000	KSTDC	2002	District	CC	Jpeg/P df
Transport	1:50,000	PWD	2002	District	CC	Jpeg/P df
6.Miscellaneous						
District map with taluks	1:50,000	DLR & SS	2002	District	CC	Jpeg/P df
District & taluk boundaries	1:50,000	SOI	2002	District	CC	Jpeg/P df
District map with hoblies	1:50,000	DLR & SS	2002	District	CC	Jpeg/P df
Village boundary with settlement	1:50,000	SOI/KSR AC	2002	District	CC	Jpeg/P df
Police station details	1:50,000	SP	2002	District	CC	Jpeg/P df

Details on Assembly constituencies	1:50,000	DC	2002	District	CC	Jpeg/Pdf
Gram Panchayths & Zilla Panchayaths, its jurisdiction for all taluks	1:50,000	DC	2002	District	CC	Jpeg/Pdf

Non-Spatial Database

Sector / Subsector	Source	Survey / Publn. Year	Area covered	Status Code	File Format
1. Natural Resources					
<i>Land</i>					
1. Topography					
Contour	Cartosat-Dem	2004	District	CC	.tiff
Slope	Cartosat-Dem	2004	District	CC	.tiff
2. Geology – A					
Rock Features	MGD	2004	District	CC	.tiff
Structural features	Cartosat-Dem	2004	District	CC	.tiff
3. Geology – B					
Rock features	Cartosat-Dem	2004	District	CC	.tiff
Structural features	Cartosat-Dem	2004	District	CC	.tiff
Mineral Resources	MGD	2004	District	CC	.tiff
Geomorphology	Esri LULC	2004	District	CC	imagery
Land use	Esri LULC	2004	District	CC	imagery
Waste Lands	Esri LULC	2004	District	CC	imagery
Soils	NBSS & LUP	2004	District	CC	.tiff
Forest & Wildlife	NBSS & LUP	2004	District	CC	.tiff

Forest type	Esri LULC	2004	District	CC	imagery
Crown Density	Esri LULC	2004	District	CC	imagery
Forest Category	Esri LULC	2004	District	CC	imagery
Forest admn.	Esri LULC	2004	District	CC	imagery
Wild Life	Esri LULC	2004	District	CC	imagery
Water					
Ground water					
Hydro Geology	MGD	2004	District	CC	.tiff
Hydro chemistry	CGWB	2004	District	CC	.tiff
Ground water budget	MGD	2004	District	CC	.tiff
Surface water					
Drainage	Esri LULC	2004	District	CC	imagery
Surface water bodies	Esri LULC	2004	District	CC	imagery
Climate	IMD	2004	District	CC	.tiff

2. Demography					File Format
Population					
Tehsil boundary	DLR & SS	2004	District	CC	.tiff
District boundary	DLR & SS	2004	District	CC	.tiff
Current popln. distbn.	DES	2004	District	CC	Jpeg/Pdf/word/excel
Literacy					
Levels of education	Education	2004	District	CC	Jpeg/Pdf/word/excel
Occupation					
Village boundary	DES	2004	District	CC	Jpeg/Pdf/word/excel
Employment					

District scenario	Skill Development	2004	District	CC	Jpeg/Pdf/word/excel
Employment exchange	Skill Development	2004	District	CC	Jpeg/Pdf/word/excel
<i>Assets & Expenditure</i>	CEO	2004	District	CC	Jpeg/Pdf/word/excel
<i>Migration</i>	CEO	2004	District	CC	Jpeg/Pdf/word/excel
<i>Destitutes</i>	CEO	2004	District	CC	Jpeg/Pdf/word/excel

3. Socio Economy					File Format
Industry	DIC	2004	District	CC	Jpeg/Pdf/word/excel
Developmental activity	DIC	2004	District	CC	Jpeg/Pdf/word/excel

4. Agro Economy					File Format
Land Utilisation					
Private Land	DSO	2004	District	CC	Jpeg/Pdf/word/excel
Common property	DSO	2004	District	CC	Jpeg/Pdf/word/excel
Land Ownership pattern					
General scenario	DSO	2004	District	CC	Jpeg/Pdf/word/excel

Farmer's holdings	Rev. Dept	2004	District	CC	Jpeg/Pdf/word/excel
Principal crops	JDA	2004	District	CC	Jpeg/Pdf/word/excel
Irrigation					
Minor irrigation					
Canals	CADA	2004	District	CC	Jpeg/Pdf/word/excel
Tube wells	DSO	2004	District	CC	Jpeg/Pdf/word/excel
Dug wells	DSO	2004	District	CC	Jpeg/Pdf/word/excel
Tanks	MIC/ZPE	2004	District	CC	Jpeg/Pdf/word/excel
Lift irrigation	MID	2004	District	CC	Jpeg/Pdf/word/excel
Major irrigation					
Reservoirs	CE (N)	2004	District	CC	Jpeg/Pdf/word/excel
Anicuts	CE (N)	2004	District	CC	Jpeg/Pdf/word/excel
Agricultural implements	Ag Census	2004	District	CC	Jpeg/Pdf/word/excel
Animal husbandry	AH&VS	2004	District	CC	Jpeg/Pdf/word/excel
Pisciculture	Fisheries	2004	District	CC	Jpeg/Pdf/word/excel

Plantation	Agriculture	2004	District	CC	Jpeg/Pdf/word/excel
Horticulture	HD	2004	District	CC	Jpeg/Pdf/word/excel
Sericulture	SD	2004	District	CC	Jpeg/Pdf/word/excel

Sector / Subsector	Source	Survey / Publn. Year	Area covered	Status Code	File Format
5. Infrastructure					
Communications					
Post offices	SSPO/DES	2004	District	CC	Jpeg/Pdf/word/excel
Telecommunication	TDM / DES	2004	District	CC	Jpeg/Pdf/word/excel
Drinking water	ZPE	2004	District	CC	Jpeg/Pdf/word/excel
Educational facilities	DDPI	2004	District	CC	Jpeg/Pdf/word/excel
Electricity	Census	2004	District	CC	Jpeg/Pdf/word/excel
Financial institutions	LEAD bank	2004	District	CC	Jpeg/Pdf/word/excel
Markets	FACS	2004	District	CC	Jpeg/Pdf/word/excel
Health	DHO	2004	District	CC	Jpeg/Pdf/word/excel

NGO's	DRS	2004	District	CC	Jpeg/Pdf/ word/exc el
Tourism	KSTDC	2004	District	CC	Jpeg/Pdf/ word/exc el
Transport					
Roads	PWD	2004	District	CC	Jpeg/Pdf/ word/exc el
Rail network	ZPED	2004	District	CC	Jpeg/Pdf/ word/exc el
Air transport/HELIPAD	PWD	2004	District	CC	Jpeg/Pdf/ word/exc el
Vehicle census	RTO	2004	District	CC	Jpeg/Pdf/ word/exc el
Veterinary services					
Veterinary facilities	AHVS	2004	District	CC	Jpeg/Pdf/ word/exc el
Other veterinary serv.	AHVS	2004	District	CC	Jpeg/Pdf/ word/exc el
Incidence of diseases	AHVS	2004	District	CC	Jpeg/Pdf/ word/exc el
Anganwadi	D W&C	2004	District	CC	Jpeg/Pdf/ word/exc el

Sector / Subsector	Source	Survey / Publn. Year	Area covered	Status Code	File Format
6. Miscellaneous					
Administration	DC office	2004	District	CC	Jpeg/Pdf/ word/exc el

Dt. & Subdivsns.	DC office	2004	District	CC	Jpeg/Pdf/ word/exc el
Dt., with tehsils	ZP	2004	District	CC	Jpeg/Pdf/ word/exc el
Dt., with panchayat	DC	2004	District	CC	Jpeg/Pdf/ word/exc el
Tq., with census vil.	DC	2004	District	CC	Jpeg/Pdf/ word/exc el
Prices & wages	DC	2004	District	CC	Jpeg/Pdf/ word/exc el
Environment	DC	2004	District	CC	Jpeg/Pdf/ word/exc el

NRDMS CENTRE ACTIVITIES (APRIL 2025 - JULY 2025).

Activities and Data collection

- **Health dept**-Beds Statistical ratio data collection
- **Planning dept**-Draft Plan activities
- **Swaccha Bharat Mission (Rural)**-SBMG IHHL report activity
- **Dept of Planning and statistics**-Avalokana Software technical activity etc.

TRAINING PROGRAMMES ATTENDED.

N/A.

TRAINING IMPARTED TO LINE DEPARTMENTS.

Not imparted.

SCIENCE OUTREACH ACTIVITIES.

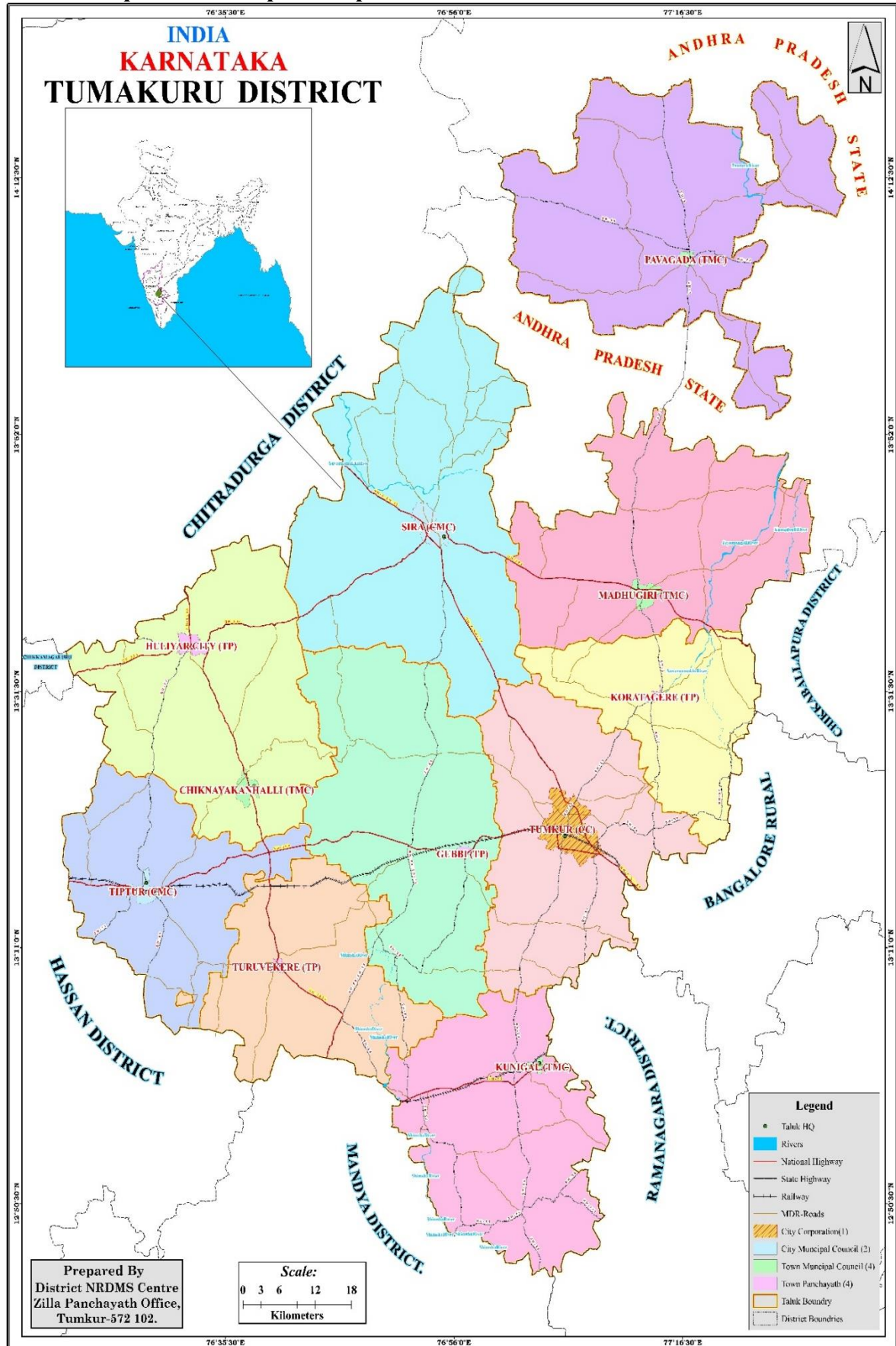
No.

CONCLUSION.

- IHHL report collection is a vast activity, but it took a long-time duration to collect the data by teams finally SBMG Nodal officer instructions quickly collect these data by them during his busy schedule.
- Enthusiastic and emphatically supported by officers, sophisticated office and beautiful outcome environment also very well work condition various other activity between these times.
- Potential areas for improvement or focus-Health, Education.
- Today mapping is a large and growing sector of the economy as well as an important social, cultural, and political phenomenon. Mapping is also important for lifelong learning. Spatial thinking skills are used in many fields, careers, and pastimes.

ANNEXURES.

District Map-Main transport map

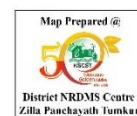


**Karnataka
Tumkur District
Watershed.**



Legend

Watershed Boundry



Other department maps

Tumkur District **Koratagere Taluk** **Geo-tagged Information** **Swaccha Sankeerna Units.**

MADHUGIRI

SIRA

CHIKKABALLPURA DISTRICT.

BANGALORE RURAL.

GUBBI

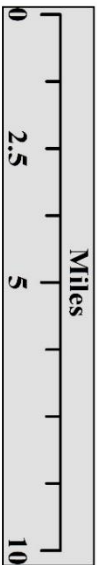
Sl No	Taluk Name	Gram Panchayath Name	Sy No	Area	Latitude	Longitude
1	KORATAGERE	AGRAHARA (ATTI)	99	113.46	13.548004	77.287084
2	KORATAGERE	AKKIRAMPURA	103	113.46	13.596011	77.358856
3	KORATAGERE	ARASAPURA	91	222.3	13.571440	77.334129
4	KORATAGERE	BOMMALADEVPURA	1	113.46	13.503566	77.217668
5	KORATAGERE	BUDAGAVI	209	222.3	13.5112983	77.3041633
6	KORATAGERE	BUKKAPATNA	53	94.84	13.588535	77.341097
7	KORATAGERE	BYCHAPURA	4	100.87	13.588472	77.322334
8	KORATAGERE	CHINNAHALLI	18	222.3	13.469836	77.352505
9	KORATAGERE	DODDASAGERE	7	111.15	13.50187	77.245365
10	KORATAGERE	HANCHIHALLI	44	112.806	13.3826855	77.29941662
11	KORATAGERE	HOLAVANAHALLI	60	222.3	13.2764	77.3519
12	KORATAGERE	HULIKUNTE	6	222.3	13.363398	77.327384
13	KORATAGERE	KOLALA	45	222.3	13.508061	77.155315
14	KORATAGERE	KURANKOTE	19	111.15	13.515393	77.298306
15	KORATAGERE	KYAMENAHALLI	5	222.3	13.427342	77.31772
16	KORATAGERE	MAVATTURU	244	111.15	13.440918	77.290435
17	KORATAGERE	NEELAGONDANAHALLI	23	111.15	13.27	77.45
18	KORATAGERE	PAJJIAGANNAHALLI	29	278.85	13.568885	77.082168
19	KORATAGERE	THEJA	18	146.33	13.570775	77.225164
20	KORATAGERE	TOYINAKERE	21	222.3	13.5887	77.2789
21	KORATAGERE	TUMBADI	32.81	116.7	13.425779	77.286402
22	KORATAGERE	VADDAGERE	29	113.806	13.41555	77.264395
23	KORATAGERE	VAJIANAKIRIKE				
24	KORATAGERE	VALERAMPURA				

Legend

Swaccha Sankeerna Units

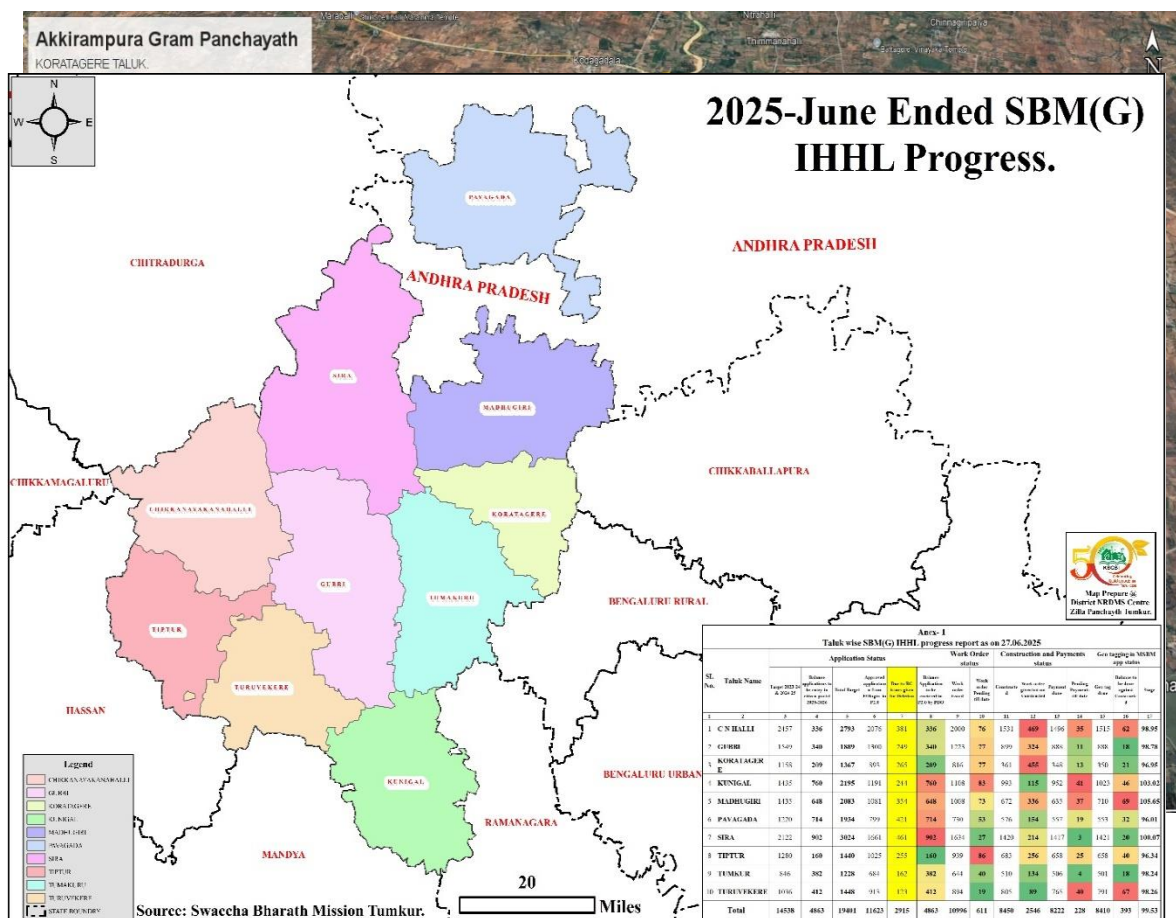
GP Boundary

Taluk Boundary



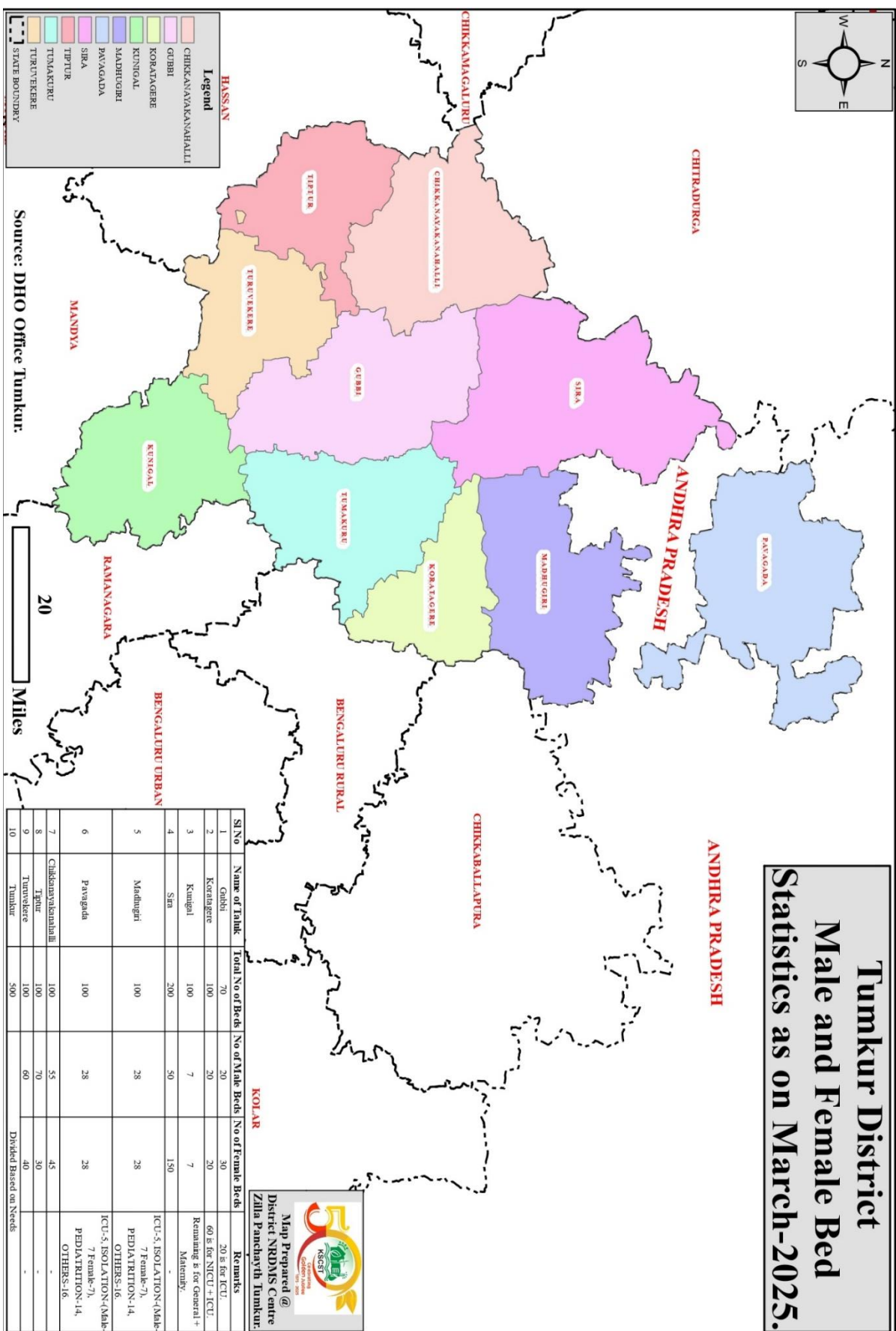
Map Prepared @
 District NRDMS Centre
 Zilla Panchayath Tumkur





Anex- 1
Taluk wise SBM(G) IHHL progress report as on 27.06.2025

Sl. No.	Taluk Name	Application Status						Work Order status		Construction and Payments status				Geo tagging in MSBM app status		
		Target 2023-24 & 2024-25	Balance applications to be entry in citizen portal 2025-2026	Total Target	Approved application from EoLogin in P2.0	Due to RC issues given for Deletion	Balance Application to be entered in P2.0 by PDO	Work order issued	Work order Pending till date	Constructed	Work order given but not Constructed	Payment done	Pending Payments till date	Geo tag done	Balance to be done against Constructed	%age
1	C N HALLI	2457	336	2793	2076	381	336	2000	76	1531	469	1496	35	1515	62	98.95
2	GUBBI	1549	340	1889	1300	249	340	1223	77	899	324	888	11	888	18	98.78
3	KORATAGERE	1158	209	1367	893	265	209	816	77	361	455	348	13	350	21	96.95
4	KUNIGAL	1435	760	2195	1191	244	760	1108	83	993	115	952	41	1023	46	103.02
5	MADHUGIRI	1435	648	2083	1081	354	648	1008	73	672	336	635	37	710	69	105.65
6	PAVAGADA	1220	714	1934	799	421	714	730	53	576	154	557	19	553	32	96.01
7	SIRA	2122	902	3024	1661	461	902	1634	27	1420	214	1417	3	1421	20	100.07
8	TIPTUR	1280	160	1440	1025	255	160	939	86	683	256	658	25	658	40	96.34
9	TUMKUR	846	382	1228	684	162	382	644	40	510	134	506	4	501	18	98.24
10	TURUVEKERE	1036	412	1448	913	123	412	894	19	805	89	765	40	791	67	98.26
	Total	14538	4863	19401	11623	2915	4863	10996	611	8450	2546	8222	228	8410	393	99.53



Anex- 1
Taluk wise SBM(G) IHHL progress report as on 01.08.2025

Sl. No.	Taluk Name	Application Status							Work Order status		Construction and Payments status				Geo tagging in MSBM app status		
		District target as per State office	Citizen app entered (2023-25)	Due to RC issues & Other reasons given for Deletion	Balance to be entered in Citizen app	Actual target after deletion	Approved application from EOlogin in P2.0	Balance Application to be entered in P2.0 by PDO	Work order issued	Work order Pending till date	Constructed	Work order given but not Constructed	Payment done	Pending Payments till date	Geo tag done	Balance to be done against Constructed	%age against target as per State review format
1	2	3	4	5	6=4-6	7=3-5	8	9=4-8	10	11	12	13	15	16	17	18	19
1	C N HALLI	2793	2496	202	95	2591	2109	387	2028	81	1661	367	1607	54	1627	75	62.79
2	GUBBI	1889	1687	155	47	1734	1410	277	1313	97	1115	198	1111	4	1050	72	60.55
3	KORATAGERE	1367	1263	168	-64	1199	1048	215	1008	40	591	417	556	35	600	14	50.04
4	KUNIGAL	2195	1488	183	524	2012	1283	205	1198	85	1143	55	1090	54	1163	42	57.80
5	MADHUGIRI	2083	1862	270	-49	1813	1528	334	1438	90	886	552	835	51	872	55	48.10
6	PAVAGADA	1934	1309	90	535	1844	794	515	766	28	615	151	604	11	604	22	32.75
7	SIRA	2668	2289	264	115	2404	1909	380	1875	34	1655	220	1625	30	1616	32	67.22
8	TIPTUR	1440	1320	160	-40	1280	1060	260	997	63	755	242	733	22	796	3	62.19
9	TUMKUR	1085	1039	71	-25	1014	900	139	858	42	617	241	615	2	605	20	59.66
10	TURUVEKERE	1448	1195	46	207	1402	1065	130	1039	26	920	119	890	30	842	91	99.00
Total		18902	15948	1609	1498	17293	13106	2455	12520	586	9958	2562	9666	293	9775	426	56.53

Note: In the Citizen app entry balance column the **negative values** indicate that they exceeded the survey report targets. There is no issue if your taluk Gps really wants to add extra beneficiaries they can take target and complete.

