

NATURAL RESOURCES DATA MANAGEMENT SYSTEM (NRDMS)

***MONTHLY ACTIVITY REPORT
April - July 2025***

***Submitted by
District NRDMS Centre
Zilla Panchayat,
Chikkaballapura***



***Submitted to
Karnataka State Council for
Science and Technology (KSCST)
Indian Institute of Science Campus,
Bengaluru – 560012***

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1. Basic Information of District:

District Name: Chikkaballapur

Division: Bangalore

District Establishment Year: 23 August 2007

Headquarter: Chikkaballapur

Current CEO: Dr. Naveen Bhat Y. IAS.

Current CPO (In charge): Raghu G.P

2. Background of District NRDMS Centre, Chikkaballapur

Chikkaballapur district was established on August 23, 2007, from the Kolar district of Karnataka. Located in the southern part of the state, the district headquarters is the town of Chikkaballapur. NRDMS Chikkaballapur established in 2008-09. NRDMS centers established in each of the districts in Karnataka are providing geospatial data, information and services to support development planning since 1992. The NRDMS Centre providing analyzed/value added information to planners and administrators besides developing applications using geo-spatial technologies suitable for local level planning. Its 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. Maintenance & updation of database of Panchayath Raj Institutions, Legislative Assembly and Parliamentary Constituency since 2000. Support to delimitations of GPs. Organization of training programmes.

3. Geographical Features:

a) Location & Boundaries:

Chikkaballapur district is located in southeastern Karnataka, bordering Andhra Pradesh and known for its semi-arid, eastern dry climatic zone with hot summers and mild winters. The landscape features the Nandi Hills region with an average elevation of 915 meters, making it a high-altitude area with rolling hills and valleys. The town of Chikkaballapur is the district headquarters and a key transport link in the North Bangalore area. The north-south six-lane National Highway (NH44) as well as the East-West Highway 69 goes through the district. A rail line runs north from Bangalore to the town of Chikballapur, east past Doddaganjur to Srinivasapur and south to the town of Kolar.

Elevation & Terrain: The district lies on the **southern Deccan Plateau**, with hilly terrain. It spans latitudes roughly between **12°45'N to 13°57'N** and longitudes **77°24'E to 78°35'E**.

Table:1

Census list (2011)Population											
Level	Name	TRU	TOT_P	TOT_M	TOT_F	P_SC	M_SC	F_SC	P_ST	M_ST	F_ST
As per Census - 2011											
DISTRICT	Chikkaballapur	Rural	973985	494463	479522	272891	137654	135237	139201	70304	68897
DISTRICT	Chikkaballapur	Urban	281119	141974	139145	39674	19974	19700	17286	8852	8434
DISTRICT	Chikkaballapur	Total	1255104	636437	618667	312565	157628	154937	156487	79156	77331
As per Census - 2011 (including Chelur & Alipura)											
SUB-DISTRICT	Gauribidanur	Rural	211577	107247	104330	54136	27426	26710	35162	17688	17474
SUB-DISTRICT	Gauribidanur	Urban	37947	18869	19078	6158	3048	3110	3600	1774	1826
SUB-DISTRICT	Gauribidanur	Total	249524	126116	123408	60294	30474	29820	38762	19462	19300
SUB-DISTRICT	Manchenahalli	Rural	41475	20933	20542	12591	6336	6255	5815	2931	2884

SUB-DISTRICT	Manchenahalli	Urban	0	0	0	0	0	0	0	0	0
SUB-DISTRICT	Gauribidanur	Total	41475	20933	20542	12591	6336	6255	5815	2931	2884
SUB-DISTRICT	Chikkaballapura	Rural	148884	76725	72159	45400	23113	22287	16488	8345	8143
SUB-DISTRICT	Chikkaballapura	Urban	63652	32129	31523	10106	5196	4910	3234	1734	1500
SUB-DISTRICT	Chikkaballapura	Total	212536	108854	103682	55506	28309	27197	19722	10079	9643
SUB-DISTRICT	Gudibanda	Rural	46391	23463	22928	12245	6167	6078	7035	3597	3438
SUB-DISTRICT	Gudibanda	Urban	9441	4615	4826	1289	599	690	1711	848	863
SUB-DISTRICT	Gudibanda	Total	55832	28078	27754	13534	6766	6768	8746	4445	4301
SUB-DISTRICT	Bagepalli	Rural	103010	52117	50893	29785	15193	14592	21044	10578	10466
SUB-DISTRICT	Bagepalli	Urban	27011	13903	13108	4579	2418	2161	2924	1568	1356
SUB-DISTRICT	Bagepalli	Total	130021	66020	64001	34364	17611	16753	23968	12146	11822
SUB-DISTRICT	Cheluru	Rural	72265	36376	35889	20016	10072	9944	9939	5012	4927
SUB-DISTRICT	Cheluru	Urban	0	0	0	0	0	0	0	0	0
SUB-DISTRICT	Cheluru	Total	72265	36376	35889	20016	10072	9944	9939	5012	4927
SUB-DISTRICT	Sidlaghatta	Rural	163010	82872	80138	43402	21818	21584	18376	9308	9068
SUB-DISTRICT	Sidlaghatta	Urban	51159	26065	25094	4725	2405	2320	1395	747	648
SUB-DISTRICT	Sidlaghatta	Total	214169	108937	105232	48127	24223	23904	19771	10055	9716
SUB-	Chintamani	Rural	203214	10278	10042	56933	28300	28633	26005	131	1285

DISTRICT				9	5					55	0
SUB-DISTRICT	Chintamani	Urban	76068	38334	37734	11200	5537	5663	3759	1871	1888
SUB-DISTRICT	Chintamani	Total	279282	141123	138159	68133	33837	34296	29764	15026	14738
DISTRICT	Chikkaballapura	Rural	989826	502522	487304	274508	138425	136083	139864	70614	69250
DISTRICT	Chikkaballapura	Urban	265278	133915	131363	38057	19203	18854	16623	8542	8081
DISTRICT	Chikkaballapura	Total	1255104	636437	618667	312565	157628	154937	156487	79156	77331

Table-2

Taluk	No of GP	No of Villages	No of Hoblis	No of ULB's
Chikkaballapur	23	252	3	1
Bagepalli	16	146	4	1
Cheluru	12	82	2	0
Gouribidnur	31	192	5	1
Manchenahalli	7	47	1	0
Sidalaghatta	28	292	4	1
Chintamani	32	369	5	1
Gudibande	8	106	2	1
Total	157	1486	26	6
District Geographical area (in Sq.Kms)	4244 km ²			

D. Seasons & Temperatures

Summer (March to May):

Temperatures: Day temperatures can be very hot, reaching up to 40°C.

Conditions: It's generally considered hot and uncomfortable, making it less preferable for tourists.

Monsoon (June to October):

Temperatures: Temperatures range from 20°C to 30°C.

Conditions: The area receives irregular rainfall due to the southwest monsoon. While it brings refreshing greenery, it can limit outdoor activities, so some tourists avoid this period.

Winter (October to March):

Temperatures: The weather is pleasant, with temperatures ranging from 19°C to 32°C.

Conditions: This period is ideal for visiting Chikkaballapur due to the comfortable weather. The months from October to March are often recommended.

Rainfall & Weather Phenomena

Tropical Climate: Chikkaballapur's climate is classified as Aw, a tropical savanna climate.

Rainy summers: The summers are characterized by more rain, while the winters are considerably drier.

Average Rainfall: The district receives an average of 785 mm of rainfall annually.

Monsoon Influence: The period between June and August is particularly wet, with a higher chance of precipitation.

C. Natural Resource:

Soils: Chikkaballapur's soil is dominated by red soils and lateritic soils, with some areas also containing alluvial and sandy soil types. Red soils are characterized by low water and nutrient retention, while lateritic soils are highly weathered, poor in fertility, but have high clay content. Overall, the soil fertility in the district is often low in key nutrients like organic carbon, nitrogen, phosphorus, and potassium.

Water:

Chikkaballapur faces a severe and ongoing water crisis due to its lack of perennial water sources, relying almost entirely on overexploited groundwater. This has resulted in a declining water table and high levels of fluoride and nitrate contamination.

Crops:

The main crops in Chikkaballapur are ragi, groundnut, and a wide variety of horticulture crops, including vegetables, fruits, and flowers. Sericulture (silk farming) is also a significant agricultural activity in the district.

Climate Characteristics

Seasonal characteristics

Summer (March to June): The summers are hot, especially from March through May, which is the hottest period of the year.

Temperature: Average daily high temperatures can reach or exceed 91°F (33°C), with April being the hottest month, averaging 94°F (34°C).

Wet Season (May to November): This season is warm, humid, and overcast, with the highest rainfall occurring during the monsoon period.

Rainfall: The wet season typically lasts from May to November, with September being the wettest month. Average annual rainfall is about 785 mm.

Winter (October to February): The winter season brings mild temperatures.

Temperature: Average daily high temperatures are below 82°F (28°C) during the cool season from October to January. The coldest month is December, with an average low of 60°F (16°C).

Dry Season (November to May): This is the drier part of the year, with a lower chance of precipitation.

Temperature: The temperature in Chikkaballapur typically fluctuates between 59°F and 94°F (15°C and 34°C) over the year. It rarely drops below 53°F (12°C) or rises above 100°F (38°C).

Rainfall variability: The area experiences erratic rainfall, which, along with the semi-arid conditions, makes it prone to drought.

Relative humidity: The perceived humidity varies extremely throughout the year, with a "muggier" period lasting from April to December.

Wind: The windiest time of year is from late May to early September, with the calmest winds occurring in October.

Climate change impact: Recent analysis suggests a worsening of climate conditions, with Chikkaballapur having a "High" climate change severity score

D. Major Rivers/Water Resource:

- **Chitravati River:** Originates in the district, is a part of the Pennar river basin, and is seasonal, flowing only for a limited period.
- **South Pinakani River:** Originates from Nandi hills and flows through the district.
- **North Pennar River:** Drains a large part of Gauribidanur taluk and flows into Andhra Pradesh.
- **Tanks:** Historically, numerous tanks provided irrigation, but most are now silted, reducing their water storage capacity.

4. Spatial & Non-Spatial Data:

Status Code : Meaning

CC :	Computerized.
ND :	Not Digitized
NA :	Not Procured
NR :	Not Relevant
NF :	Not Finalized

SPATIAL DATABASE

Sector / Subsector	Scale	Source	Survey / Publn. Year	Area covered	Status Code	File Format
1. Natural Resources						
Land						
1. Topography						
Contour Map		SOI		District	CC	
Slope Map	1:50,000	SOI	Can be generated			Shapefile
2. Geology – A						
Rock features	1:50,000	MGD	NA	District	CC	Shapefile
Structural features	NA	NA	NA	District	NA	NA
3. Geology – B						
Rock features	1:50,000	MGD	NA	District	CC	Shapefile
Structural features	NA	NA	NA	District	NA	NA
4. Mineral Resources	NA	MGD	NA	District	NA	NA
5. Geomorphology	1:50,000	MGD	NA	District	CC	Shapefile
6. Land use	1:50,000	KRSAC	NA	District	CC	Shapefile
7. Waste Lands	1:50,000	KRSAC	NA	District	CC	Shapefile
8. Soils	1:50,000	NBS&LUP	NA	District	CC	Shapefile
9. Forest & Wildlife						
Forest type	NA	KFD	NA	District	NA	Shapefile

Crown Density	NA	NA	NA	NA	NA	NA
Forest Category	NA	NA	NA	NA	NA	NA
Forest admn.	NA	SOI	NA	District	NA	NA
Wild Life	NA	NA	NA	NA	NA	NA
Water						
1.Ground water						
Hydro Geology	NA	MGD	NA	District	NA	NA
Hydro chemistry	NA	ZP	NA	District	NA	NA
Ground water budget	NA	NA	NA	NA	NA	NA
2.Surface water						
Drainage	1:50,000	MGD	NA	District	CC	Shapefile
Surface water bodies	NA	SOI & KRSAC	NA	District	NA	NA
3.Climate	NA	NA	NA	NA	NA	NA

Sector / Subsector	Scale	Source	Survey / Publn. Year	Area covered	Status Code	File Format
2.Demography						
Population						
Tehsil boundary	1:50,000	KRSAC	2021	District	CC	Shapefile
District boundary	1:50,000	KRSAC	2021	District	CC	Shapefile
Current popln. distbn.	NA	NA	NA	District	NA	NA
Literacy						
Levels of education	NA	NA	NA	District	NA	NA
Occupation						
Village boundary	1:50,000	KRSAC	2021	District	CC	Shapefile
Employment						
District scenario	NA	NA	NA	District	NA	NA
Employment exchange	NA	NA	NA	District	NA	NA
Assets & Expenditure	NA	NA	NA	NA	NA	NA
Migration	NA	NA	NA	NA	NA	NA
Destitutes	NA	NA	NA	NA	NA	NA

3.Socio Economy						File Format
Industry	1:50,000	ZP	2022	District	CC	Shapefile
Developmental activity	NA	NA	NA	NA	NA	NA

4.Agro Economy						
Land Utilisation						
Private Land	NA	NA	NA	NA	NA	NA
Common property	NA	NA	NA	NA	NA	NA
Land Ownership pattern						
General scenario	NA	NA	NA	NA	NA	NA
Farmer's holdings	NA	NA	NA	NA	NA	NA
Principal crops	NA	NA	NA	NA	NA	NA
Irrigation						
Minor irrigation						
Canals	1:50,000	DLR & SS	NA	District	CC	Shapefile
Tube wells	NA	DLR & SS	NA	District	NA	NA
Dug wells	NA	DLR & SS	NA	NA	NA	NA
Tanks	1:50,000	DLR & SS	NA	District	CC	Shapefile
Lift irrigation	NA	DLR & SS	NA	NA	NA	NA
Major irrigation						
Reservoirs	1:50,000	DLR & SS	2001	District	CC	Shapefile
Anicuts	NA	DLR & SS	NA	NA	NA	NA
Agricultural implements	NA	NA	NA	NA	NA	NA
Animal husbandry	1:50,000	AHVS	2019	District	CC	Shapefile
Pisciculture	NA	NA	NA	District	NA	NA
Plantation	NA	NA	NA	District	NA	Shapefile

Sector / Subsector	Scale	Source	Survey / Publn. Year	Area covered	Status Code	File Format
5.Infrastructure						
Communications						
Post offices	NA	DLR& SS	NA	NA	NA	NA
Telecommunication	NA	DLR& SS	NA	NA	NA	NA
Drinking water	1:50,000	DLR& SS	2021	District	CC	Shapefile
Educational facilities	1:50,000	DDPI	2020	District	CC	Shapefile
Electricity	NA	Land Records	NA	District	NA	NA
Financial institutions	NA	DLR& SS	NA	District	NA	NA
Markets	1:50,000	DLR& SS	2022	District	CC	Shapefile
Health	1:50,000	DHO	2021	District	CC	Shapefile
NGO's	NA	DLR& SS	NA	District	NA	NA

Tourism	1:50,000	KSTDC	2022	District	CC	Shapefile
Transport	1" = ...miles	PWD	2021	District	CC	Shapefile
6.Miscellaneous						
District map with taluks	1" =... miles	DLR& SS	2024	District	CC	Shapefile
District & taluk boundaries	1:50,000	SOI	2021	District	CC	Shapefile
District map with hoblies	1: =. miles	DLR & SS	2019	District	CC	Shapefile
Village boundary with settlement	1:50,000	SOI/KSRAC	2022	District	CC	Shapefile
Police station details	NA	SP	NA	District	NA	NA
Details on Assembly constituencies	1:50,000	DC	2023	District	CC	Shapefile
Gram Panchayths& Zilla Panchayaths, its jurisdiction for all taluks	1:50,000	DC	2022	District	CC	Shapefile

Non-Spatial Database

Sector / Subsector	Source	Survey / Publn. Year	Area covered	Status Code	File Format
1. Natural Resources					
<i>Land</i>					
1. Topography					
Contour	NA	NA	District	NR	NA
Slope	1:50,000	NA	District	CC	Shape
2. Geology – A					
Rock Features	MGD	NA	District	CC	Shape
Structural features	NA	NA	District	NA	NA
3. Geology – B					
Rock features	NA	NA	District	NA	NA
Structural features	NA	NA	District	NA	NA
4. Mineral Resources	MGD	NA	District	NA	NA
5. Geomorphology	1:50,000	NA	District	CC	Shape
6. Land use	1:50,000	KSRAC	District	CC	Shape
7. Waste Lands	1:50,000	KSRAC	District	CC	Shape
8. Soils	NBSS & LUP	KSRAC	District	CC	Shape
9. Forest & Wildlife					
Forest type	NA	NA	District	NA	NA
Crown Density	NA	NA	District	NA	NA
Forest Category	NA	NA	District	NA	NA

Forest admn.	NA	NA	District	NA	NA
Wild Life	NA	NA	District	NA	NA
Water					
Ground water					
Hydro Geology	MGD	NA	District	NA	NA
Hydro chemistry	CGWB	NA	District	NA	NA
Ground water budget	MGD	NA	District	NA	NA
Surface water					
Drainage	1:50,000	NA	District	NA	NA
Surface water bodies	1:50,000	NA	District	NA	NA
Climate	IMD	NA	District	NA	NA

2. Demography					File Format
Population					
Tehsil boundary	DLR & SS	KRSAC	District	CC	Shape
District boundary		KRSAC	District	CC	Shape
Current popln. distbn.	DES	NA	District	NA	NA
Literacy					File Format
Levels of education	NA	NA	District	NA	NA
Occupation					
Village boundary	DES	NA	District	NA	NA
Employment					
District scenario	EO	NA	NA	NA	NA
Employment exchange	EO	NA	NA	NA	NA
Assets & Expenditure		NA	NA	NA	NA
Migration		NA	NA	NA	NA
Destitutes		NA	NA	NA	NA

3. Socio Economy					File Format
Industry	DIC	ZP	District	CC	SHAPE
Developmental activity	DIC	NA	District	NA	NA

4. Agro Economy					File Format
Land Utilization					

Private Land	DSO	NA	VILLAGE	NA	NA
Common property	DSO	NA	NA	NA	NA
Land Ownership pattern					
General scenario	DSO	NA	NA	NA	NA
Farmer's holdings	Rev. Dept	NA	NA	NA	NA
Principal crops	JDA	NA	Taluk	NA	NA
Irrigation					
<i>Minor irrigation</i>					
Canals	CADA	NA	District	CC	Shape
Tube wells	DSO	NA	District	NA	NA
Dug wells	DSO	NA	District	NA	NA
Tanks	MIC/ ZPE	NA	District	CC	Shape
Lift irrigation	MID	NA	District	NA	NA
<i>Major irrigation</i>					
Reservoirs	CE (N)	NA	District	NA	NA
Anicuts	CE (N)	NA	District	NA	NA
Agricultural implements	Ag Census	NA	District	NA	NA
Animal husbandry	AH&VS	2020	District	CC	Shape
Pisciculture	Fisheries	NA	District	NA	NA
Plantation	NA	NA	District	NA	NA
Horticulture	HD	NA	District	NA	NA
Sericulture	SD	NA	District	NA	NA

Sector / Subsector	Source	Survey / Publn. Year	Area covered	Status Code	File Format
5. Infrastructure					
Communications					
Post offices	SSPO/ DES	NA	Village	NA	NA
Telecommunication	TDM / DES	NA		NA	NA
Drinking water	ZPE	2021	District	CC	Shp
Educational facilities	DDPI	2020	District	CC	Shp
Electricity	Census	NA	District	NA	NA
Financial institutions	LEAD bank	NA	District	NA	NA
Markets	FACS	NA	District	NA	NA
Health	DHO	2023	District	CC	Shp
NGO's	DRS	NA	District	NA	NA
Tourism	KSTDC	2020	District	CC	Shp

Transport					
Roads	PWD	2021	District	CC	Shp
Rail network	ZPED	2021	District	CC	Shp
Air transport/HELIPAD	PWD	NA	District	NA	NA
Vehicle census	RTO	NA	District	NA	NA
Inland & coastal waterways	NA	NA	NA	NA	NA
Veterinary services					
Veterinary facilities	AHVS	2023	District	CC	excel
Other veterinary serv.	AHVS	NA	District	NA	NA
Incidence of diseases	AHVS	NA	District	NA	NA
Anganwadi	D W&C	2021	District	CC	Shp

Sector / Subsector	Source	Survey / Publn. Year	Area covered	Status Code	File Format
6. Miscellaneous					
Administration	DC office	NA	District	NA	NA
Dt. &Subdivns.	DC office	NA	District	NA	NA
Dt., with tehsils	ZP	2021	District	CC	Shp
Dt., with panchayat	DC	2021	District	CC	Shp
Tq., with census vil.	DC	2021	District	CC	Shp
Prices & wages	NA	NA	NA	NA	NA
Environment	NA	NA	NA	NA	NA

1. Major Activities Carried Out during the period of April-July 2025:

Uses of GIS for Ground Water Department, Zilla Panchayath

Objectives: As per the order of the meeting held under the chairmanship of the Honourable District Commissioner and the Chairman of the District Ground Water Authority Office, permission from the Ground Water Authority is mandatory for getting electricity connection to the tube wells dug by private persons for agricultural/drinking purposes without authorization. Therefore, it is mandatory for there to be a distance of 500 m between the private tube well and the government tube well. Therefore, the Honourable District Commissioner intends to get the GPS latitude and longitude of the NRDMS officers and map out the distance between them.

Statistics Requirement:

1. Need for latitude and longitude information.
2. Need for information on private and government bore wells.

Map Uses: Since the permission of the Ground Water Authority is mandatory for the District Ground Water Authority office to get electricity connection to the tube wells dug by private persons for agricultural/drinking purposes, it is mandatory to have a distance of 500 m between the private tube well and the government tube well. Applications were received along with GPS Points coordinates and based on the coordinates mentioned in the said applications, the application was checked and the distance between the private tube well and the government tube well as per the Act 1999 was verified and the Buffer zone mapping of 500 m from the NRDMS center was done and confirmed. Due to this, if there is a difference in the distance between the government and private tube wells, the map will help in rejecting the application.

- Map provided by Jpg and Pdf format.

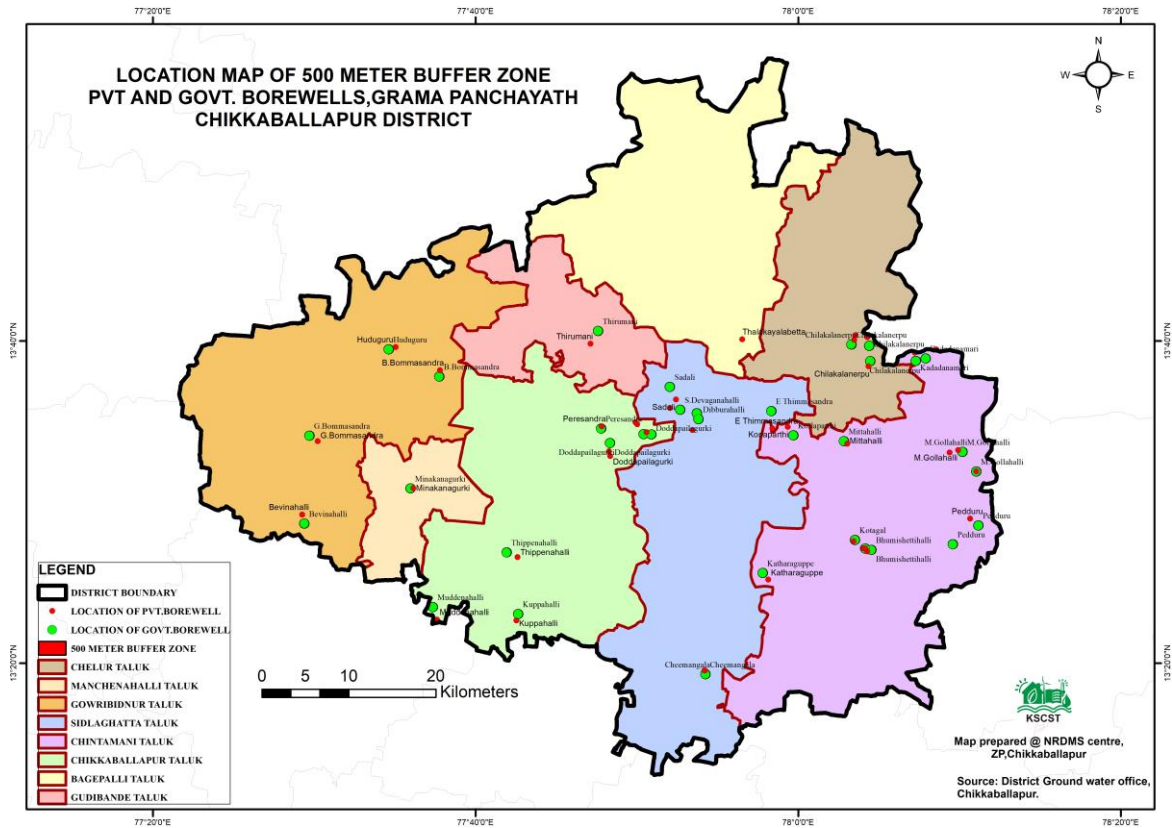


Table: 3

SI No	Applicant Name	Grampanchayath Name	Taluk	Govt Borewell Latitude	Govt Borewell Longitude	Private Borewell Latitude	Private Borewell Longitude	GP Distance in Mts
1	Kamalamma W/o Lakshmana	M.Gollahalli	Chintamani	13°33'7"	78°10'12"	13°33'11"	78°10'1"	870
2	Manjunathareddy S/o Late Sriramareddy	Munaganahalli	Chintamani	13°21'56"	78°4'22"	13°21'52"	78°4'12"	950
3	Nanjundappa S/o Balappa	Munaganahalli	Chintamani	13°21'56"	78°4'22"	13°22'12"	78°4'17"	900
4	Shivamma W/o R.Sriramagowda	Pedduru	Chintamani	13°29'53"	78°11'25"	13°29'52"	78°11'48"	900
5	K.R.Nagaraj S/o Ramachandrareddy	Korlaparthi	Chintamani	13.55225	78.00303	13.55748	78.00699	1500
6	K.Madhusudan S/o K.C.Venkataramareddy	Korlaparthi	Chintamani	13.55225	78.00303	13.55573	77.9967	850
7	Sriramappa S/o Anjanappa	Korlaparthi	Chintamani	13.55467	77.98258	13.55163	77.98273	900
8	Narayanawamy S/O T.Yarappa	Korlaparthi	Chintamani	13.52937	77.99853	13.53201	78.00011	850
9	M.Srinivas S/o Muniswamy	Irrigamapalli	Chintamani	13°32'2"	78°7'25"	13°32'6"	78°7'0"	1500
10	M.Srinivas S/o Muniswamy	Irrigamapalli	Chintamani	13°32'21"	78°7'25"	13°32'10"	78°7'11"	890
11	N.Srinivasareddy S/o Nanjundappa	Bhumishettihalli	Chintamani	13°26'50"	78°5'16"	13°26'57"	78°5'2"	500

12	Peddappayya S/o Marappa	Murugamalla	Chintamani	13°28'10"	78°7'23"	13°28'27"	78°7'41"	1000
13	H.A.Narayanawamy S/o Kothol Anjappa	Anoor	Chintamani	13°20'55"	78°7'29"	13°20'44"	78°7'45"	1000
14	Venkateshreddy S/o Munivenkatappa	Anoor	Chintamani	13°20'13"	78°7'15"	13°20'38"	78°7'39"	1000
15	Venkatarayareddy S/o Munisubbanna	Murugamalla	Chintamani	13°27'27"	78°7'43"	13°27'40"	78°8'1"	1000
16	Venkatareddy S/o Ramanna	Pedduru	Chintamani	13°29'17"	78°11'32"	13°29'41"	78°11'45"	1500
17	Krishnamma W/o Late Anjappa	Upparapete	Chintamani	13°24'35"	78°0'5"	13°22'37"	77°59'45"	825
18	Byrareddy S/o Late Venkatappa	Pedduru	Chintamani	13°29'52"	78°11'48"	13°29'36"	78°11'21"	NR
19	Chikkanarayanappa S/o Ramanna	M.Gollahalli	Chintamani	13°32'12"	78°9'40"	13°32'29"	78°9'10"	1100
20	Baiyappa S/o Bairareddy	Mindigal	Chintamani	13.534159	78.065728	13.533603	78.068937	1200
21	Y.V.Venkatareddy S/o Late Venkaravanappa	Mindigal	Chintamani	13.534159	78.065728	13.536778	78.07576	850
22	M.Moulajirao S/O Munivenkojirao	Nandiganahalli	Chintamani	13°26'41"	78°9'57"	13°26'54"	78°9'28"	1400
23	Naremma W/o Ramanna	Yagavakote	Chintamani	13°30'39"	78°7'59"	13°30'10"	78°7'47"	1000
24	Sriramareddy S/o Baiyappa	Yagavakote	Chintamani	13°30'39"	78°7'59"	13°30'34"	78°7'55"	800
25	Narasimhappa S/o Chikkakonappa	Kencharlahalli	Chintamani	13°33'32"	78°4'39"	13°33'9"	78°4'57"	500
26	Ramesh K.N S/o Narayanawamy	Bhumishettihalli	Chintamani	13°27'7"	78°5'37"	13°27'20"	78°5'31"	500
27	M.Venkataswamy S/o Muniyappa	Yagavakote	Chintamani	13°28'43"	78°8'35"	13°28'14"	78°8'22"	1000
28	Venkataramareddy S/o Narayanappa	Murugamalla	Chintamani	13°27'27"	78°7'43"	13°27'38"	78°7'23"	NR
29	Venkatamma W/o Venkatappa	Peramachanahalli	Chintamani	13°20'56"	78°1'18"	13°20'37"	78°1'48"	500
30	Parvathamma W/o Gopalareddy	Konapalli	Chintamani	13°24'17"	78°1'19"	13°24'36"	78°1'5"	850
31	Kanthraju S/o Late Konappa	Kencharlahalli	Chintamani	13°33'32"	78°4'39"	13°31'2"	78°4'36"	500
32	Sarojamma W/o Narayanawamy	Kencharlahalli	Chintamani	13°33'32"	78°4'39"	13°33'9"	78°4'57"	500
33	K.M.Narayanawamy S/o Muniyappa	Ulawadi	Chintamani	13°23'55"	78°6'39"	13°24'4"	78°6'25"	500
34	Siddappa S/o Chippalla	Ulawadi	Chintamani	13°23'55"	78°6'39"	13°23'35"	78°6'39"	500
35	Suubbareddy S/o Venkatarayappa	Mindigal	Chintamani	13°31'15"	78°5'0"	13°31'33"	78°5'4"	1250
36	Srinivas S/o Maddireddy	Mindigal	Chintamani	13°31'16"	78°5'0"	13°31'26"	78°5'0"	988
37	M.R.Vasanthakumar S/o Ramanna	Muddenahalli	Chikkaballapur	13°23'29"	77°37'21"	13°22'42"	77°37'37"	1500
38	Narasimhappa S/o Late Papanna	Doddapailagurki	Chikkaballapur	13°34'13"	77°50'25"	13°34'49"	77°50'1"	750
39	Venkateshappa S/o Appalanna	Doddapailagurki	Chikkaballapur	13°33'40"	77°48'20"	13°33'9"	77°48'16"	750

40	Doddahanumanthappa S/o Late Doddavenkatarayappa	Doddapailagurki	Chikkaballapur	13°34'13"	77°50'25"	13°34'57"	77°49'55"	750
41	Jayappa S/o Nanjappa	Doddapailagurki	Chikkaballapur	13°34'12"	77°50'54"	13°34'20"	77°50'36"	-
42	H.L.Bairareddy S/o Late Lakshmayya	Doddapailagurki	Chikkaballapur	13°33'40"	77°48'20"	13°32'51"	77°48'21"	750
43	T.N.Narayanawamy S/o V.Narasappa	Thippenahalli	Chikkaballapur	13.447969	77.698838	13.442838	77.710009	500
44	Nanjegowda S/o Nagarajappa	Kuppahalli	Chikkaballapur	13.3842	77.7107	13.3775	77.7089	800
45	B.K.Ashwathappa S/o Krishnappa	Peresandra	Chikkaballapur	13°34'34"	77°47'47"	13°34'42"	77°47'49"	1500
46	P.C.Ramesh S/o Chikkamuniyappa	Thirumani	Gudibande	13.677	77.79326	13.6637	77.78544	500
47	Mosas Nithyanada	Huduguru	Gouribidanuru	13°39'29"	77°34'37"	13°39'37"	77°35'3"	500
48	B.N.Prakash S/o Narayanareddy	Minakanagurki	Gouribidanuru	13°30'51"	77°35'58"	13°30'51"	77°36'9"	520
49	R.Krishna S/o K.Ramayya	G.Bommasandra	Gouribidanuru	13.568698	77.495057	13.562886	77.504	900
50	R.Nagaraj S/o Ramayya	Bevinahalli	Gouribidanuru	13.47777	77.489737	13.4868967	77.488	700
51	Narayanamma W/o Hanumanthareddy	S.Devaganahalli	Sidlaghatta	13°35'44"	77°52'41"	13°35'50"	77°52'36"	550
52	Ramappa S/o Maddanna	Sadali	Sidlaghatta	13.61923	77.86734	13.606007	77.873713	500
53	Narasimhappa S/o Channappa	Thalakayalabetta	Sidlaghatta	13°35'31"	77°53'43"	13°40'6"	77°56'32"	800
54	M.R.Akkalappa S/o Late Ramappa	E Thimmasandra	Sidlaghatta	13°35'39"	77°58'20"	13°34'34"	77°58'24"	2000
55	Lakshmiathi S/o A.N.Narayanappa	Cheemangala	Sidlaghatta	13°19'19"	77°54'15"	13°19'32"	77°54'13"	600
56	Tulasiram S/o Late Vishwanathareddy	Cheemangala	Sidlaghatta	13°19'19"	77°54'15"	13°19'33"	77°54'11"	520
57	Hanumakka S/o Venkatarayappa	Dibburahalli	Sidlaghatta	13°35'9"	77°53'49"	13°34'28"	77°53'27"	560
58	Sayed Iji Husain S/o Meer Jainullabudeen Saheb	Allipura	Gouribidanuru	13.4852	77.4597	13.4877	77.4632	800
59	Yallogirao S/o Yallogirao	Taridalu	Gouribidanuru	13.4729	77.4485	13.4761	77.4438	860
60	Y.A.Sudhakarreddy S/o P.Ashwathreddy	Huduguru	Gouribidanuru	13.6475	77.5697	13.6303	77.5633	500
61	B.Gopalrao S/o Late subbayya	Idaguru	Gouribidanuru	13.6408	77.4533	13.6444	77.4594	600

Uses of GIS for Ground water Department

Zilla Panchayath

Objectives: There are a total of 52 observation bore wells within the jurisdiction of the Senior Geology and Groundwater Office of Chikkaballapur District. At the request of the senior geologist, a seasonal groundwater level fluctuation map was prepared by the District NRDMs Centre using GIS technology.

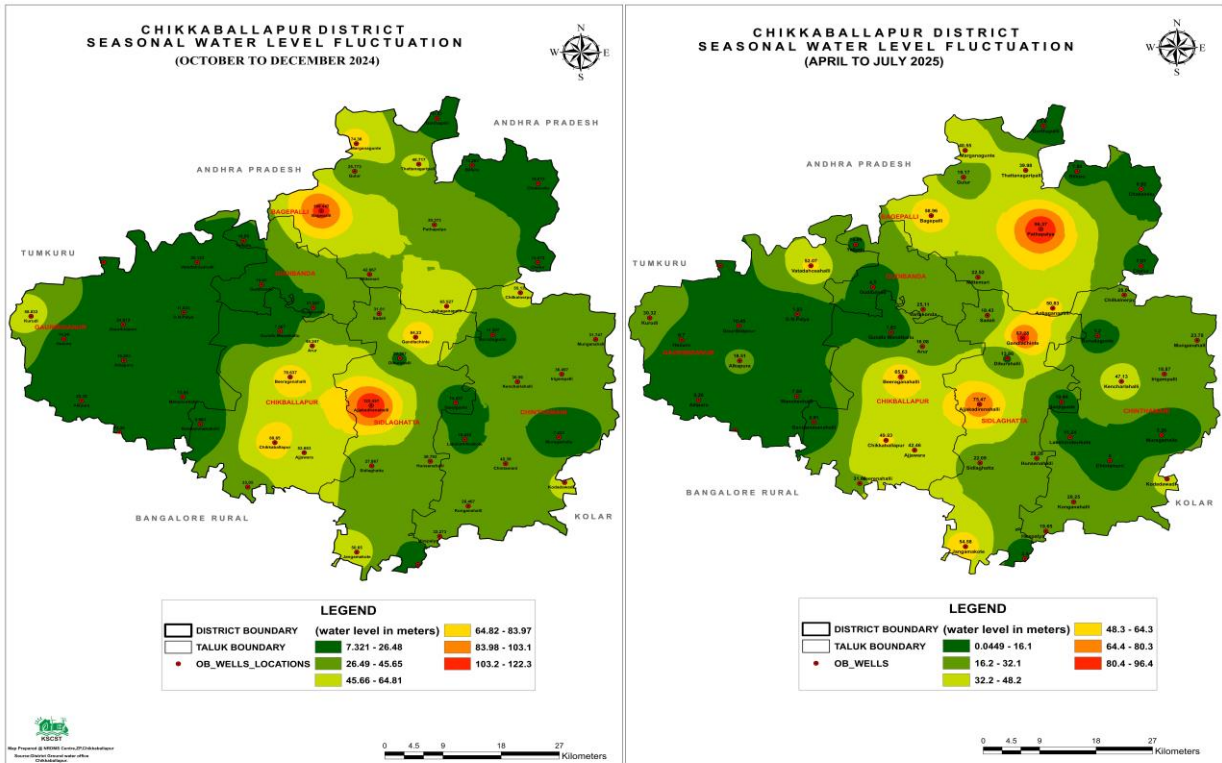
Statistics Requirement:

- 1) Need for GPS points of observation bore wells in the district.
- 2) Need for data on static water level from January to July 2025

Map Uses:

1. The GIS map will help to know the status of the fixed water level of bore wells for each month.
2. With the help of maps, it will help to study the seasonal level fluctuations seen in the district.
3. It will be useful to identify areas where the groundwater level is low and increase the groundwater level.

➤ Map provided by Jpg and Pdf format.



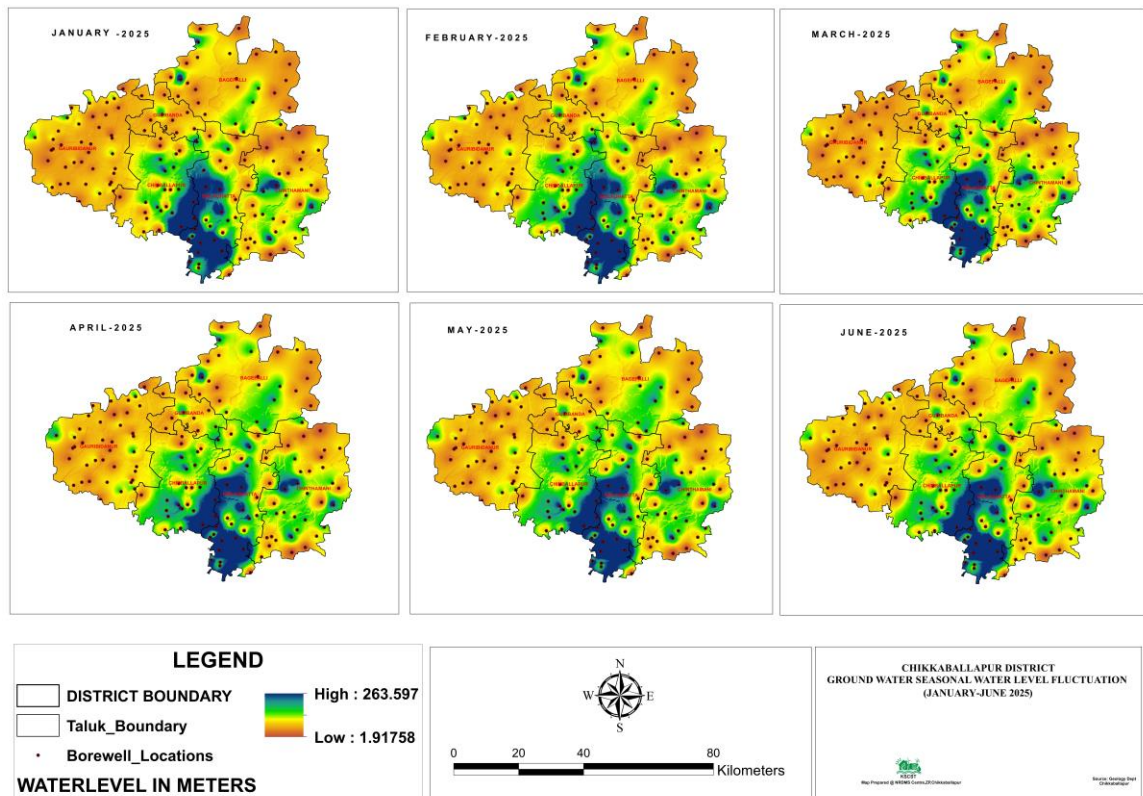


Table:4

SI NO	Taluk	Well Code	Village	Bore well depth in meters	Latitude	Longitude	Altitude	Oct	Nov	Dec	Average
1	Bagepalli (GWD)	130108	Chakavelu	93	13.82531	78.09689	671	6.1	6.17	8.2	6.82
2	Bagepalli (GWD)	130116	Chelur	322	13.70438	78.09655	687	7.7	6.9	6.43	7.01
3	Bagepalli (GWD)	130115	Gulur	221	13.84399	77.84173	748	23.4	17.26	16.85	19.17
4	Bagepalli (GWD)	130109	Billuru	70	13.85331	78.00492	671	7.35	7.8	8.51	7.89
5	Bagepalli (GWD)	130111	Gorthapalli	26	13.92461	77.95634	667	2.3	2.5	3	2.60
6	Bagepalli (GWD)	130137	Achaganapalli	299	13.63755	77.96976	670.9	61.5	48.03	42.96	50.83
7	Bagepalli (GWD)	130120	Mittemari	98	13.68639	77.8625	777	23	21.85	22.72	22.52
8	Bagepalli (GWD)	130117	Pathapalya	156	13.76224	77.9527	759	86.93	99.57	102.62	96.37
9	Bagepalli (GWD)	130119	Marganagunte	170.73	13.8862	77.84417	750	51.8	39.23	30.61	40.55
10	Bagepalli (GWD)	130121	Thattanagaripalli	160.06	13.85483	77.93104	724	39.7	38.1	42.15	39.98
11	Bagepalli (GWD)	130118	Bagepalli	217	13.78339	77.79546	734	61.41	59.26	56.22	58.96
12	Chintamani(GWD)	130401	Burudugunte	60	13.59406	78.03393	728	0.8	1.1	1.69	1.20
13	Chintamani(GWD)	130408	Kodadawadi	75	13.36826	78.13376	840	39.35	36.47	39.26	38.36
14	Chintamani(GWD)	130410	Lakshmiddevikote	87.27	13.43412	77.99474	916	10.9	9.5	13.32	11.24
15	Chintamani(GWD)	130412	Muragamalla	90	13.43744	78.12586	856	2.1	1.8	2.94	2.28
16	Chintamani(GWD)	130413	Chilkalnerpu	155	13.65837	78.0723	712	27	27.36	29.75	28.04
17	Chintamani(GWD)	130415	Munganahalli	243	13.58692	78.17699	722	Concrete filled	Concrete filled	23.78	23.78
18	Chintamani(GWD)	130414	Chintamani	243	13.39711	78.05171	871	Silt	Silt	Silt	0.00
19	Chintamani(GWD)	130417	Hirepalya	310	13.28609	77.96007	856	26.9	15.95	16.1	19.65
20	Chintamani(GWD)	130418	Konganahalli	239	13.33232	77.99981	869	28	28.31	28.45	28.25
21	Chintamani(GWD)	130419	Irigampalli	220	13.53375	78.12981	761	16.1	23.26	17.25	18.87
22	Chintamani(GWD)	130416	Kencharlahalli	253	13.52209	78.06831	792	47	46.11	48.27	47.13
23	Chikkaballapur(GWD)	130317	Arur	305	13.57714	77.78291	895	16.7	14.8	16.73	16.08
24	Chikkaballapur(GWD)	130308	Veeranahalli	86	13.36129	77.69305	967	35.15	30.87	28.81	31.61
25	Chikkaballapur(GWD)	130309	Ajjawara	259	13.41381	77.77169	919	42.05	42	43.33	42.46
26	Chikkaballapur(GWD)	130310	Gundla Mandikallu	276	13.59962	77.73789	874	2.5	2.19	0.8	1.83
27	Chikkaballapur(GWD)	130301	Chikkaballapur	197	13.4293	77.73079	913	54.35	49.01	46.42	49.93
28	Chikkaballapur(GWD)	130302	Bandammanahalli	80	13.45757	77.62715	863	4.2	1.9	2.63	2.91
29	Chikkaballapur(GWD)	130313	Beeraganahalli	335	13.52947	77.75222	928	65.24	69.56	62.09	65.63
30	Gudibande(GWD)	130608	Gudibande	206	13.67068	77.71186	809	4.3	3.2	6	4.50
31	Gudibande(GWD)	130607	Varlakonda	213	13.6357	77.78391	828	26	23.82	25.5	25.11

32	Gudibande(GWD)	130603	Yellodu	37	13.73794	77.68719	733	16.8	14.05	14.13	14.99
33	Gowribidnur(GWD)	130518	Allipura	184	13.49303	77.46201	738	9.4	9.05	9.32	9.26
34	Gowribidnur(GWD)	130507	Alkapura	50	13.55465	77.52075	708	10.93	21.1	23.5	18.51
35	Gowribidnur(GWD)	130506	D.N.Palya	50	13.62803	77.60362	711	0.4	1	1.68	1.03
36	Gowribidnur(GWD)	130525	Kudumalakunte	305	13.70475	77.49291	664	12.2	8.91	10.26	10.46
37	Gowribidnur(GWD)	130520	Kurudi	170.73	13.6223	77.39169	699	31.1	29.38	30.49	30.32
38	Gowribidnur(GWD)	130510	Manchenhalli	150	13.49867	77.60276	771	7.95	7.51	8.07	7.84
39	Gowribidnur(GWD)	130503	Thippaganahalli	81.81	13.44475	77.51444	805	11.96	9.43	10.35	10.58
40	Gowribidnur(GWD)	130512	Vatadahosahalli	183	13.70448	77.62299	687	47.3	53.98	54.92	52.07
41	Gowribidnur(GWD)	130519	Hosuru	338	13.58751	77.43728	682	9.8	9	10.3	9.70
42	Gowribidnur(GWD)	130517	Gouribidanur	305	13.60962	77.51995	692	11.26	9.62	10.47	10.45
43	Sidlaghatta(GWD)	131013	Ajjakadirenahalli	194	13.486	77.8648	893	74	78.93	73.49	75.47
44	Sidlaghatta(GWD)	131002	Diburahalli	65	13.55815	77.90449	825	14.95	13.49	13.15	13.86
45	Sidlaghatta(GWD)	131004	Ganjigunte	73.7	13.48997	77.9827	854	11.1	10.27	9.96	10.44
46	Sidlaghatta(GWD)	131009	Hunsenahalli	70	13.40083	77.94694	940	28.5	27.82	28.47	28.26
47	Sidlaghatta(GWD)	131012	Sidlaghatta	65	13.39368	77.8655	891	22.47	21.16	22.65	22.09
48	Sidlaghatta(GWD)	131016	Sadali	162	13.62634	77.87594	816	25.6	18.42	11.26	18.43
49	Sidlaghatta(GWD)	131008	H.Cross	49	13.24265	77.92975	816	2.9	2.88	4.42	3.40
50	Sidlaghatta(GWD)	131025	Jangamakote	335	13.26183	77.84473	892	49.14	52.77	61.82	54.58
51	Sidlaghatta(GWD)	131014	Gandlachinte	243	13.59034	77.92668	824	94.75	86.43	80.67	87.28

Table:5

SIN O	Taluk	WellCode	Village	Borewell depth in meters	Latitude	Longitude	Altitude	Jan	Feb	Mar	Apr	May	June	Max	Min	Jul	AVG
1	Bagepalli (GWD)	130108	Chakavelu	93	13.82531	78.09689	671	9.6	10.85	13.2	15.6	16.24	9.1	16.24	9.1	8.87	12.43
2	Bagepalli (GWD)	130116	Chelur	322	13.70438	78.09655	687	8.89	10.6	12.7	13.95	14.97	9.4	14.97	8.89	10.19	11.75
3	Bagepalli (GWD)	130115	Gulur	221	13.84399	77.84173	748	19.8	21.8	23.6	26.8	26.92	24.73	26.92	19.8	25.26	23.94
4	Bagepalli (GWD)	130109	Billuru	70	13.85331	78.00492	671	8.65	9.3	11.25	12.65	12.95	8.45	12.95	8.45	8.45	10.54
5	Bagepalli (GWD)	130111	Gorthapalli	26	13.92461	77.95634	667	6.15	7.25	9.35	11.85	12.01	6.05	12.01	6.05	5.85	8.78

6	Bagepalli (GWD)	130137	Achaganapalli	299	13.63755	77.96976	670.9	42.65	46.46	57.0 1	69.45	70.12	57.7	70.1 2	42.6 5	54.7 6	57.23
7	Bagepalli (GWD)	130120	Mittemari	98	13.68639	77.8625	777	21	22.95	36.1	44.4	45.7	36.1	45.7	21	28.1 5	34.38
8	Bagepalli (GWD)	130117	Pathapalya	156	13.76224	77.9527	759	15.9	18.9	21.5	45.6	51.02	40.83	51.0 2	15.9	45.6 3	32.29
9	Bagepalli (GWD)	130119	Marganagunte	170.73	13.8862	77.84417	750	61.2	71.4	73.7	74.4	74.98	74.45	74.9 8	61.2	68.2 2	71.69
10	Bagepalli (GWD)	130121	Thattanagaripalli	160.06	13.85483	77.93104	724	26.32	36.2	44.5	50.5	51.15	41.5	51.1 5	26.3 2	40.1	41.70
11	Bagepalli (GWD)	130118	Bagepalli	217	13.78339	77.79546	734	95.8	97.8	99.1 5	119.18	110.01	105.32	119. 18	95.8	104. 37	104.54
12	Chintamani(GWD)	130401	Burudugunte	60	13.59406	78.03393	728	3.3	3.9	4.6	13.44	16.15	10.95	16.1 5	3.3	10.5 5	8.72
13	Chintamani(GWD)	130408	Kodadawadi	75	13.36826	78.13376	840	42.28	45.2	50	52.15	53.1	41.63	53.1	41.6 3	39.7 4	47.39
14	Chintamani(GWD)	130410	Lakshmiddevikote	87.27	13.43412	77.99474	916	14.63	15.2	16.5	19.25	23.75	7.53	23.7 5	7.53	8.8	16.14
15	Chintamani(GWD)	130412	Muragamalla	90	13.43744	78.12586	856	3.39	4.92	5.1	6.8	9.8	3.02	9.8	3.02	3.4	5.51
16	Chintamani(GWD)	130413	Chilkalnerpu	155	13.65837	78.0723	712	34.59	41.05	47.6	56.95	60.85	48.24	60.8 5	34.5 9	41.5 6	48.21
17	Chintamani(GWD)	130415	Munganahalli	243	13.58692	78.17699	722	26.4	29.7	30.7	32	32.54	28.05	32.5 4	26.4	Conc rete filled	29.90
18	Chintamani(GWD)	130414	Chintamani	243	13.39711	78.05171	871	36.15	37.3	40.2	43.25	43.72	44.4	44.4	36.1 5	Silt	40.84
19	Chintamani(GWD)	130417	Hirepalya	310	13.28609	77.96007	856	22.82	25.99	27.3	32.2	37.32	30.58	37.3 2	22.8 2	32.8 5	29.37
20	Chintamani(GWD)	130418	Konganahalli	239	13.33232	77.99981	869	23.29	25.59	25.9	29.05	30.45	27.57	30.4 5	23.2 9	28.1 1	26.98
21	Chintamani(GWD)	130419	Irigampalli	220	13.53375	78.12981	761	19.56	27.46	35	37.11	37.38	25.23	37.3 8	19.5 6	20.4	30.29
22	Chintamani(GWD)	130416	Kencharlahalli	253	13.52209	78.06831	792	19.36	24.55	35.9	37.06	38.01	42.2	42.2	19.3 6	33.4 3	32.85
23	Chikkaballapur(GWD)	130317	Arur	305	13.57714	77.78291	895	31.57	33.15	34.5	54.6	55.64	42.5	55.6 4	31.5 7	35.6 9	41.99
24	Chikkaballapur(GWD)	130308	Veeranahalli	86	13.36129	77.69305	967	21.91	26.9	28.7 5	34.8	35.6	34.95	35.6	21.9 1	32.3 5	30.49
25	Chikkaballapur(GWD)	130309	Ajjawara	259	13.41381	77.77169	919	45.49	46.95	49	53.3	55.75	45	55.7 5	45	42.4 6	49.25
26	Chikkaballapur(GWD)	130310	Gundla Mandikallu	276	13.59962	77.73789	874	4.65	4.94	5.9	8.24	8.56	7.85	8.56	4.65	4.33	6.69

27	Chikkaballapur(GWD)	130301	Chikkaballapur	197	13.4293	77.73079	913	57.15	59.05	63.25	86.3	92.4	67	92.4	57.15	57.54	70.86
28	Chikkaballapur(GWD)	130302	Bandammanahalli	80	13.45757	77.62715	863	7.5	8.4	8.48	11.22	9.98	5.94	11.22	5.94	4.7	8.59
29	Chikkaballapur(GWD)	130313	Beeraganahalli	335	13.52947	77.75222	928	64.99	67.6	77.3	79.05	79.56	69.49	79.56	64.99	65.28	73.00
30	Gudibande(GWD)	130608	Gudibande	206	13.67068	77.71186	809	11.66	12.85	14.9	15.95	16.1	11.2	16.1	11.2	8.23	13.78
31	Gudibande(GWD)	130607	Varlakonda	213	13.6357	77.78391	828	14.98	17.98	20.05	22	22.56	21.45	22.56	14.98	21.38	19.84
32	Gudibande(GWD)	130603	Yellodu	37	13.73794	77.68719	733	15.57	18.2	19.5	20.03	20.11	18.6	20.11	15.57	17.64	18.67
33	Gowribidnur(GWD)	130518	Allipura	184	13.49303	77.46201	738	13.1	14.68	18.96	24.08	24.01	11.13	24.08	11.13	9.38	17.66
34	Gowribidnur(GWD)	130507	Alkapura	50	13.55465	77.52075	708	10	13.59	15.94	16.14	16.2	6.99	16.2	6.99	15.38	13.14
35	Gowribidnur(GWD)	130506	D.N.Palya	50	13.62803	77.60362	711	3.2	4.3	7.9	12.6	12.6	3.9	12.6	3.2	2.5	7.42
36	Gowribidnur(GWD)	130525	Kudumalakunte	305	13.70475	77.49291	664	17.86	21.3	25.7	26	26.12	20.01	26.12	17.86	17.19	22.83
37	Gowribidnur(GWD)	130520	Kurudi	170.73	13.6223	77.39169	699	35.3	40.9	43.6	67.8	65.1	50.49	67.8	35.3	44.58	50.53
38	Gowribidnur(GWD)	130510	Manchenhalli	150	13.49867	77.60276	771	10	11.3	12.8	14.49	14.59	9.25	14.59	9.25	8.02	12.07
39	Gowribidnur(GWD)	130503	Thippaganahalli	81.81	13.44475	77.51444	805	8.97	11.75	11.85	13.95	13.98	12	13.98	8.97	12.95	12.08
40	Gowribidnur(GWD)	130512	Vatadahosahalli	183	13.70448	77.62299	687	9.4	9.6	11.8	31.55	32.05	31.6	32.05	9.4	41	21.00
41	Gowribidnur(GWD)	130519	Hosuru	338	13.58751	77.43728	682	9.78	10.59	13.7	15.4	15.87	11.2	15.87	9.78	9.31	12.76
42	Gowribidnur(GWD)	130517	Gouribidanur	305	13.60962	77.51995	692	17.1	18.45	22.9	25.75	25.79	24.7	25.79	17.1	17.8	22.45
43	Sidlaghatta(GWD)	131013	Ajjakadirenahalli	194	13.486	77.8648	893	98.12	99.7	111.8	127.7	127.78	115.7	127.78	98.12	105.27	113.47
44	Sidlaghatta(GWD)	131002	Diburahalli	65	13.55815	77.90449	825	12.38	12.9	17.5	21.8	21.8	19.76	21.8	12.38	20.86	17.69
45	Sidlaghatta(GWD)	131004	Ganjigunte	73.7	13.48997	77.9827	854	9.92	10.1	14	14.4	14.91	11.4	14.91	9.92	12	12.46
46	Sidlaghatta(GWD)	131009	Hunsenahalli	70	13.40083	77.94694	940	28	31.2	35.3	39.54	41.54	31.75	41.54	28	28.16	34.56
47	Sidlaghatta(GWD)	131012	Sidlaghatta	65	13.39368	77.8655	891	19.9	22.2	25.67	28.77	29.16	26.27	29.16	19.9	21.84	25.33

48	Sidlaghatta(GWD)	131016	Sadali	162	13.62634	77.87594	816	14.08	22	27.7	31.76	33.57	30.6	33.57	14.08	27.94	26.62
49	Sidlaghatta(GWD)	131008	H.Cross	49	13.24265	77.92975	816	4.53	5.75	8.7	10.65	11.12	5.6	11.12	4.53	6.2	7.73
50	Sidlaghatta(GWD)	131025	Jangamakote	335	13.26183	77.84473	892	28.2	30.02	39.5	59.3	53.15	38.25	59.3	28.2	43.84	41.40
51	Sidlaghatta(GWD)	131014	Gandlachinte	243	13.59034	77.92668	824	56.15	57.57	62.6	92.08	98.01	105.94	105.94	56.15	106.55	78.73

Uses of GIS for Rural water supply and Sanitation department Zilla Panchayath

Objectives:

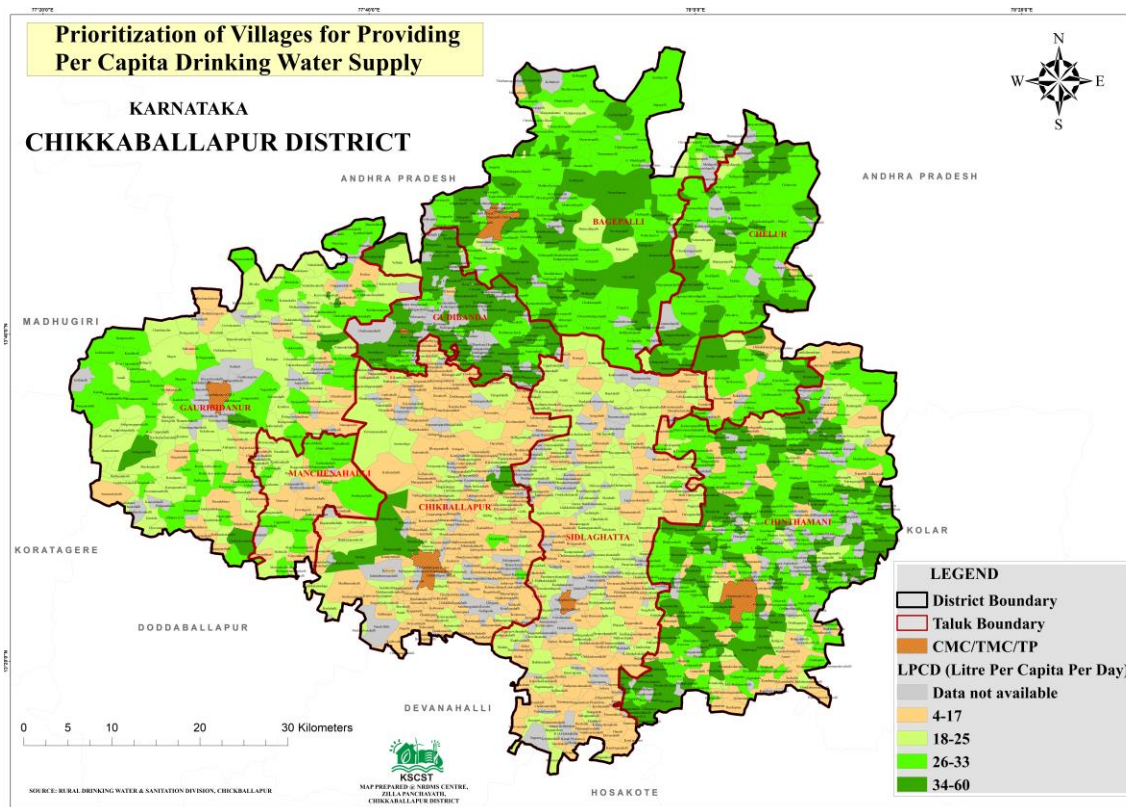
As per the order of the Hon'ble Chief Executive, Chikkaballapur, an order was issued to prepare a village-wise LPCD map of drinking water in Chikkaballapur district. Accordingly, the Gram Panchayat-wise LPCD data will be collected by the Rural Drinking Water and Sanitation Department, Chikkaballapur and the objective will be to prepare a Prioritization of Villages Providing per capita drinking water supply map.

Data Used: District Boundary, Taluk Boundary, LPCD data.

Map Uses:

As per the instructions of the Hon'ble Chief Executive Officer, Chikkaballapur, a map was prepared showing the locations where LPCD system has been provided. This will help the Rural Drinking Water and Sanitation Department, Chikkaballapur, to know where LPCD has been provided village-wise.

➤ **Map provided by Jpg and Pdf format.**



Uses of GIS for NREGA scheme, Zilla Panchayath

Objectives: Monthly and annual actual rainfall distribution data were collected by the Department of Agriculture and were indexed in a database using Arc GIS 10.3 software to Createand a rainfall report map.

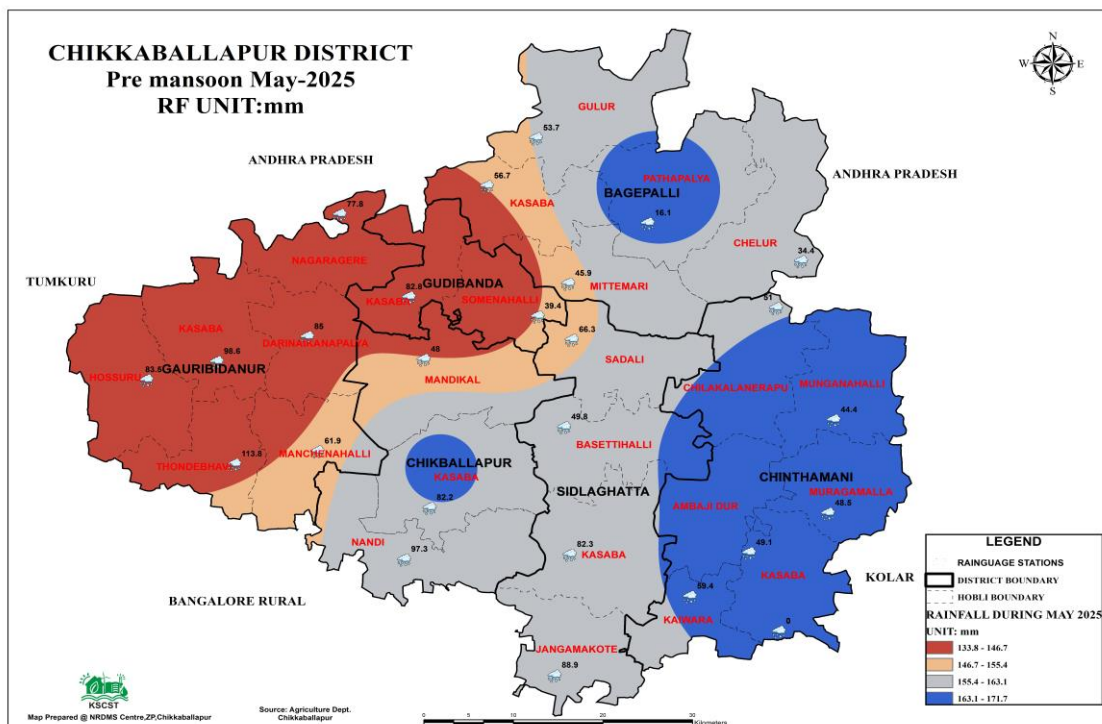
Statistics Requirement:

- 1) Need for monthly rainfall data from rain gauge stations.

Map Uses:

1. The monthly rainfall map of the GIS map will help to identify the areas where there is a shortage of rainfall and the groundwater level situation.
2. With the help of the maps, it will be helpful to study where the rainfall is high in the district and to carry out the works taken under the NREGA scheme.
3. And in case of low rainfall, works such as check dams, lake revitalization, nalabund etc. will be implemented to increase the quality of water.

- Map provided by Jpg and Pdf format.



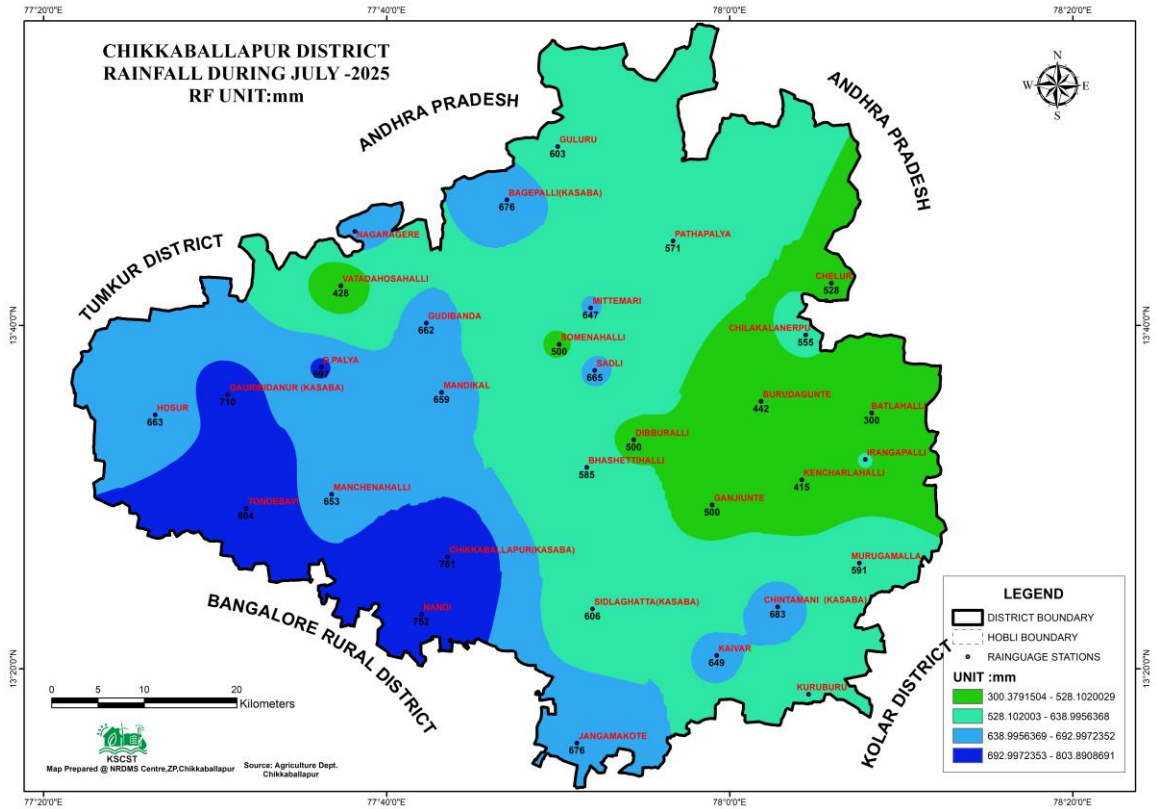


Table: 6

Rain_guage	Long	Lat	JAN	FEB	MA R	APRI L	MAY	JUN E
BAGEPALLI(KASABA)	77.78359	13.7886	0.9	0.3	0	15.9	56.7	52.2
CHELUR	78.09889	13.70774	24.4	3.1	0	15.9	34.4	35.6
GULURU	77.83294	13.84025	3	0	0	23.6	53.7	60.3
MITTEMARI	77.86503	13.68363	14.5	2.8	0	14	45.9	42.6
PATHAPALYA	77.94506	13.74863	12.1	1.9	0	17.2	16.1	58.3
CHIKKABALLAPUR(KASABA)	77.72594	13.44201	10.4	4.3	0	28.8	82.2	73.4
MANDIKAL	77.72012	13.60174	6.3	0.1	0	34.8	48	43.4
NANDI	77.70041	13.3863	8.1	7.7	0	23.9	97.3	73.4
CHINTAMANI (KASABA)	78.04663	13.39343	19.9	0.1	0	68.8	49.1	140
KURUBURU	78.07667	13.30867	0	0	0	0	0	0
BATLAHALLI	78.13801	13.58169	0	0	0	0	0	0
KENCHARLAHALLI	78.07009	13.5168	0	0	0	0	0	0
BURUDAGUNTE	78.03054	13.59292	0	0	0	0	0	0
CHILAKALANERPU	78.07378	13.65736	16.4	10.9	0	15.7	51	24.3

KAIVAR	77.98737	13.34637	13.4	0.2	0	44.2	59.4	100.8
IRANGAPALLI	78.13168	13.53652	20.9	12.6	0	22.5	44.4	28.1
MURUGAMALLA	78.12598	13.43608	21.4	1.3	0	37.5	48.5	52.4
GAURIBIDANUR (KASABA)	77.51228	13.59948	0	13.3	0	11.3	98.6	61.9
VATADAHOSAHALLI	77.62228	13.70505	0	0	0	0	0	0
D.PALYA	77.60309	13.62615	0	1	0	9.3	85	35
HOSUR	77.4417	13.57975	0.2	9.4	0	21.4	83.5	66.7
MANCHENAHALLI	77.61331	13.5028	1.6	5.7	0	10.3	61.9	79.8
NAGARAGERE	77.63573	13.75798	0	1.9	0	27.6	77.8	41.4
TONDEBAVI	77.52993	13.48898	0.4	12.5	0	25.6	113.8	107.8
GUDIBANDA	77.70513	13.66899	0.2	0	0	27.7	82.8	46.3
SOMENAHALLI	77.8344	13.64829	6.1	0	0	14.4	39.4	30.9
SIDLAGHATTA(KASABA)	77.86679	13.39154	6.3	0.9	0	46.1	82.3	55.8
JANGAMAKOTE	77.85154	13.26131	5.5	1	0	39.3	88.9	101.9
SADLI	77.86885	13.62304	18.8	2.9	0	17.3	66.3	29.7
BHASHETTIHALLI	77.86109	13.5288	9.6	2.2	0	34.2	49.8	39
DIBBURALLI	77.90687	13.55556	0	0	0	0	0	0
GANJIUNTE	77.98294	13.49243	0	0	0	0	0	0

Uses of GIS for Education Department, Zilla Panchayath

Objectives: A surplus regarding school rooms typically refers to unused or underutilized classrooms or facilities within a school. This situation can happen for several reasons, such as:

Declining Student Enrolment fewer students means fewer rooms are needed for teaching.

Consolidation of Classes Larger class sizes or multi-grade classrooms can reduce the number of rooms used.

Changes in Curriculum or Teaching Style more online learning or flexible learning spaces might reduce traditional classroom usage.

New Infrastructure or Renovation Older rooms may become surplus after new buildings are constructed.

Statistics Requirement: An order was issued to prepare a map of Surplus Schools Locations of the Public Education Department of Chikkaballapur District. Accordingly, the purpose is to collect data from the Education Department and prepare a map of Locations of Surplus Schools.

Map Uses:

Schools can map surplus textbooks, stationery, lab equipment, or furniture.

- Helps administrators track which classrooms/departments have extra and where they can be redistributed instead of buying new.

2. Food Surplus Management

- In cafeterias, surplus maps can show which days or areas generate excess food.
- Helps plan menus, reduce waste, and even direct surplus food toward student welfare programs or community donations.

3. Library & Learning Materials

- Mapping surplus copies of books, journals, or digital licenses across departments.
- Facilitates sharing instead of unnecessary purchases.

4. Budget Planning

- A surplus map of funding and grants (unused budgets from one program vs. shortages in another).
- Helps reallocate money more efficiently.

5. Student Support Programs

- Mapping surplus time, skills, or volunteer hours.
 - Example: Some teachers have extra periods or clubs that can be reallocated to tutoring.
 - Students with extra learning resources can share with peers.

6. Facilities & Space Management

- Mapping surplus classroom or lab space during certain periods.
- Helps optimize scheduling, after-school programs, or even community use.

7. Sustainability Education

- Students can create “surplus maps” as a project to track excess resources (energy, food, water).
- Encourages awareness about waste and sustainability.

➤ Map provided by Jpg and Pdf format.

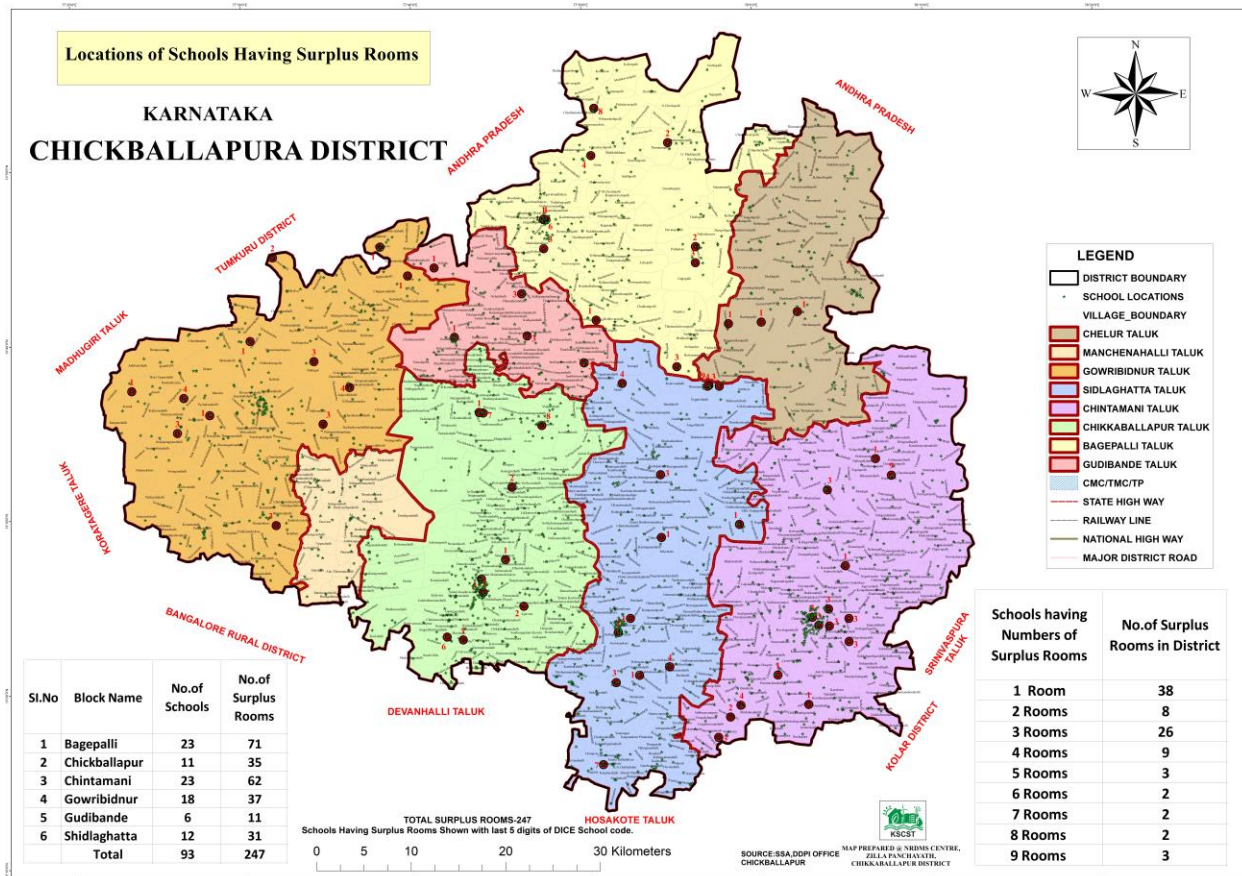


Table: 7

DISTRICT_NAME	Taluk	SCHOOL_ID	SCHOOL_NAME	EDUCATION_LEVEL	SCHOOL_CATEGORY_NAME	Class rooms	Other rooms	Total Rooms	Total enrolment	Rooms Required	Surplus Rooms
CHIKKABALLAPURA-2929	BAGEPALLY-292901	29290100201	GOVERNMENT HIGHER PRIMARY SCHOOL ACHAGANAPALI	2	Primary with Upper Primary	18	0	18	71	9	9
CHIKKABALLAPURA-2929	BAGEPALLY-292901	29290103001	GOVERNMENT GHPS MODEL CHAKAVELU	2	Primary with Upper Primary	6	8	14	130	9	5

CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 05709	K G B V G.MADDEPALLI CROSS	4	Upper Primary only	3	33	36	51	9	9
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 06201	GOVERNMENT LOWER PRIMARY SCHOOL GIRIPALLI	1	Primary	3	3	6	20	5	1
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 06801	GOVERNMENT HIGHER PRIMARY SCHOOL GUJJEPALLI	2	Primary with Upper Primary	6	6	12	41	9	3
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 06901	GOVT. L P S GULUR	1	Primary	6	3	9	41	5	4
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 06903	GOVERNMENT MODEL HIGHER PRIMARY SCHOOL GULUR	4	Upper Primary only	6	7	13	95	9	4
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 08401	GOVERNMENT HIGHER PRIMARY SCHOOL JOLAPALYA	2	Primary with Upper Primary	10	2	12	116	9	3
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 11201	G L P S MAKIREDDIPA LLI	1	Primary	4	2	6	11	5	1
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 11401	G H P S MALLASANDRA	2	Primary with Upper Primary	6	4	10	59	9	1
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 12002	GOVERNMENT HIGHER PRIMARY SCHOOL MARAGANAKU NTE	2	Primary with Upper Primary	11	6	17	177	9	8
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 12301	GOVERNMENT GHPS MODEL MITTEMARI	2	Primary with Upper Primary	8	2	10	158	9	1
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 15001	GOVERNMENT HIGHER PRIMARY SCHOOL PALYAKERE	2	Primary with Upper Primary	7	3	10	62	9	1
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 15501	GOVERNMENT HIGHER PRIMARY SCHOOL PATHAPALYA	2	Primary with Upper Primary	8	3	11	156	9	2
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 15601	GOVERNMENT HIGHER PRIMARY SCHOOL JINKAPALLI	2	Primary with Upper Primary	5	5	10	84	9	1
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 16802	GOVERNMENT HIGHER PRIMARY	2	Primary with Upper Primary	8	5	13	76	9	3

			SCHOOL POOLANAIKAN AHALLI								
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 17701	GOVERNMENT LOWER PRIMARY SCHOOL RAMOJUPLLI	1	Primary	5	1	6	31	5	1
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 19902	GOVERNMENT HIGHER PRIMARY SCHOOL THIMMAPALLI	2	Primary with Upper Primary	10	1	11	83	9	2
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 21506	GOVERNMENT GHPS MODEL YALLAMPALLI	2	Primary with Upper Primary	7	3	10	79	9	1
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 23105	GOVERNMENT URDU MODEL HEGHER SCHOOL BAGEPALLY	2	Primary with Upper Primary	10	0	10	103	9	1
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 23201	GOVERNMENT MODEL BOYS HIGHER PRIMARY SCHOOL BAGEPALLY	2	Primary with Upper Primary	10	0	10	262	9	1
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 23604	GOVERNMENT KANNADA MODEL GIRLS HIGHER PRIMARY SCHOOL BAGEPALLI	2	Primary with Upper Primary	16	0	16	354	10	6
CHIKKABAL LAPURA- 2929	BAGEPALLY -292901	292901 26201	GOVERNMENT HIGHER PRIMARY SCHOOL HOSAKOTE	2	Primary with Upper Primary	5	7	12	73	9	3
CHIKKABAL LAPURA- 2929	CHIKKABAL LAPUR- 292903	292903 00401	GHPS AJJAVARA	2	Primary with Upper Primary	8	3	11	90	9	2
CHIKKABAL LAPURA- 2929	CHIKKABAL LAPUR- 292903	292903 14601	GHPS KUPPAHALLI	2	Primary with Upper Primary	7	3	10	72	9	1
CHIKKABAL LAPURA- 2929	CHIKKABAL LAPUR- 292903	292903 15401	GHPS MANCHANABA LE	2	Primary with Upper Primary	7	3	10	146	9	1
CHIKKABAL LAPURA- 2929	CHIKKABAL LAPUR- 292903	292903 15501	GHPS MANDIKAL	4	Upper Primary only	12	4	16	161	9	7
CHIKKABAL LAPURA- 2929	CHIKKABAL LAPUR- 292903	292903 15502	LPS MANDIKAL	1	Primary	6	0	6	92	5	1
CHIKKABAL LAPURA- 2929	CHIKKABAL LAPUR- 292903	292903 18301	GMHPS NANDI	2	Primary with Upper Primary	8	7	15	138	9	6
CHIKKABAL LAPURA- 2929	CHIKKABAL LAPUR- 292903	292903 19802	GMHPS PERESANDRA	2	Primary with Upper Primary	14	3	17	141	9	8

CHIKKABAL LAPURA- 2929	CHIKKABAL LAPUR- 292903	292903 20901	GHPS REDDY GOLLAVARAHA LLI	2	Primary with Upper Primary	4	7	11	79	9	2
CHIKKABAL LAPURA- 2929	CHIKKABAL LAPUR- 292903	292903 25507	GHPS VAPASANDRA	2	Primary with Upper Primary	9	3	12	86	9	3
CHIKKABAL LAPURA- 2929	CHIKKABAL LAPUR- 292903	292903 25802	GGHPS URDU MG ROAD	2	Primary with Upper Primary	8	2	10	90	9	1
CHIKKABAL LAPURA- 2929	CHIKKABAL LAPUR- 292903	292903 27408	KARNATAKA MHPS	2	Primary with Upper Primary	12	0	12	199	9	3
CHIKKABAL LAPURA- 2929	CHINTAMA NI-292904	292904 00601	GHPS ALAMBAGIRI	2	Primary with Upper Primary	6	6	12	78	9	3
CHIKKABAL LAPURA- 2929	CHINTAMA NI-292904	292904 00701	GHPS ALAPALLI	2	Primary with Upper Primary	10	2	12	36	9	3
CHIKKABAL LAPURA- 2929	CHINTAMA NI-292904	292904 04401	GLPS BODANAMARI	1	Primary	3	3	6	14	5	1
CHIKKABAL LAPURA- 2929	CHINTAMA NI-292904	292904 05402	GHPS BURUDUGUNT E	2	Primary with Upper Primary	10	11	21	225	9	3
CHIKKABAL LAPURA- 2929	CHINTAMA NI-292904	292904 12201	GOVERNMENT HIGHER PRIMARY SCHOOL GOPASANDRA	2	Primary with Upper Primary	7	5	12	73	9	3
CHIKKABAL LAPURA- 2929	CHINTAMA NI-292904	292904 16101	GOVERNMENT HIGHER PRIMARY SCHOOL IRAGAMPALLI	2	Primary with Upper Primary	9	9	18	121	9	9
CHIKKABAL LAPURA- 2929	CHINTAMA NI-292904	292904 17901	GMHPS KAGATHI	2	Primary with Upper Primary	8	4	12	93	9	5
CHIKKABAL LAPURA- 2929	CHINTAMA NI-292904	292904 19301	GOVERNMENT HIGHER PRIMARY SCHOOL KARIYAPPALLI	2	Primary with Upper Primary	8	3	11	61	9	3
CHIKKABAL LAPURA- 2929	CHINTAMA NI-292904	292904 19901	GOVERNMENT HIGHER PRIMARY SCHOOL KENCHARLAHA LLI	2	Primary with Upper Primary	4	8	12	46	9	3
CHIKKABAL LAPURA- 2929	CHINTAMA NI-292904	292904 21501	GLPS KONEPALLI	1	Primary	3	4	7	7	5	2
CHIKKABAL LAPURA- 2929	CHINTAMA NI-292904	292904 24301	GOVERNMENT HIGHER PRIMARY SCHOOL MADIKERE	2	Primary with Upper Primary	8	5	13	52	9	3
CHIKKABAL LAPURA- 2929	CHINTAMA NI-292904	292904 25801	GLPS MOODACHINT ALAHALLI	1	Primary	6	0	6	26	5	1
CHIKKABAL	CHINTAMA	292904	GOVERNMENT	2	Primary with	8	2	10	136	9	1

LAPURA-2929	NI-292904	26401	GHPS MODEL MURAGAMALLA		Upper Primary						
CHIKKABAL LAPURA-2929	CHINTAMA NI-292904	292904 28001	GLPS NALLAGUTTAH ALLI	1	Primary	3	3	6	13	5	1
CHIKKABAL LAPURA-2929	CHINTAMA NI-292904	292904 29101	GLPS NIDAGURKI	1	Primary	4	2	6	35	5	1
CHIKKABAL LAPURA-2929	CHINTAMA NI-292904	292904 29301	GHPS OOLAVADI	2	Primary with Upper Primary	8	3	11	68	9	3
CHIKKABAL LAPURA-2929	CHINTAMA NI-292904	292904 30001	GHPS PERAMACHAN AHALLI	2	Primary with Upper Primary	8	2	10	20	9	1
CHIKKABAL LAPURA-2929	CHINTAMA NI-292904	292904 31202	GHPS SANTHEKALLA HALLI	2	Primary with Upper Primary	8	4	12	187	9	3
CHIKKABAL LAPURA-2929	CHINTAMA NI-292904	292904 32601	GLPS SOMAYAJAHALLI	1	Primary	4	2	6	13	5	1
CHIKKABAL LAPURA-2929	CHINTAMA NI-292904	292904 33401	GHPS TALAGAVARA	2	Primary with Upper Primary	11	2	13	71	9	4
CHIKKABAL LAPURA-2929	CHINTAMA NI-292904	292904 40407	GHPS BOYS CHINTAMANI	2	Primary with Upper Primary	8	4	12	112	9	3
CHIKKABAL LAPURA-2929	CHINTAMA NI-292904	292904 40906	GHPS SONNASETTAH ALLI	2	Primary with Upper Primary	8	4	12	173	9	3
CHIKKABAL LAPURA-2929	CHINTAMA NI-292904	292904 47101	GHPS JODIHOSAHALLI	2	Primary with Upper Primary	9	2	11	18	9	2
CHIKKABAL LAPURA-2929	GOWRIBIDA NUR-292905	292905 00801	GHPS ANUDI	2	Primary with Upper Primary	6	4	10	117	9	1
CHIKKABAL LAPURA-2929	GOWRIBIDA NUR-292905	292905 04101	GOVTPRIMARY HIGHER SCHOOLCHIKKA KURUGODU	2	Primary with Upper Primary	7	6	13	120	9	4
CHIKKABAL LAPURA-2929	GOWRIBIDA NUR-292905	292905 04908	GHPS D PALYA	2	Primary with Upper Primary	9	6	15	307	9	4
CHIKKABAL LAPURA-2929	GOWRIBIDA NUR-292905	292905 05603	GMHPS VIDURASHWATHA	2	Primary with Upper Primary	10	0	10	149	9	1
CHIKKABAL LAPURA-2929	GOWRIBIDA NUR-292905	292905 09201	GMHPS HOSSUR	2	Primary with Upper Primary	13	8	21	277	9	3
CHIKKABAL LAPURA-2929	GOWRIBIDA NUR-292905	292905 09401	GMHPS HUDUGURU	2	Primary with Upper Primary	12	0	12	275	9	3
CHIKKABAL LAPURA-2929	GOWRIBIDA NUR-292905	292905 09701	GHPS HUNASENAHALLI	2	Primary with Upper Primary	9	2	11	58	9	2
CHIKKABAL LAPURA-2929	GOWRIBIDA NUR-292905	292905 10701	GHPS KADABUR	2	Primary with Upper Primary	12	0	12	137	9	3
CHIKKABAL LAPURA-	GOWRIBIDA NUR-	292905 10801	GHPS KADALAVENI	2	Primary with Upper	6	4	10	99	9	1

2929	292905				Primary						
CHIKKABAL LAPURA- 2929	GOWRIBIDA NUR- 292905	292905 13004	GHPS G KOTHUR	2	Primary with Upper Primary	10	0	10	52	9	1
CHIKKABAL LAPURA- 2929	GOWRIBIDA NUR- 292905	292905 13701	GHPS KURUDI	2	Primary with Upper Primary	7	3	10	130	9	1
CHIKKABAL LAPURA- 2929	GOWRIBIDA NUR- 292905	292905 16302	GHPS MUDUGERE	2	Primary with Upper Primary	7	3	10	141	9	1
CHIKKABAL LAPURA- 2929	GOWRIBIDA NUR- 292905	292905 16402	GHPS MELYA	2	Primary with Upper Primary	10	1	11	145	9	2
CHIKKABAL LAPURA- 2929	GOWRIBIDA NUR- 292905	292905 16802	GHPS NAGARAGERE	2	Primary with Upper Primary	10	0	10	159	9	1
CHIKKABAL LAPURA- 2929	GOWRIBIDA NUR- 292905	292905 19201	GHPS RAMAPURA	2	Primary with Upper Primary	7	6	13	148	9	4
CHIKKABAL LAPURA- 2929	GOWRIBIDA NUR- 292905	292905 20901	GHPS THARIDAL	2	Primary with Upper Primary	6	4	10	141	9	1
CHIKKABAL LAPURA- 2929	GOWRIBIDA NUR- 292905	292905 21502	GHPS THONDEBHAVI	2	Primary with Upper Primary	10	2	12	149	9	3
CHIKKABAL LAPURA- 2929	GOWRIBIDA NUR- 292905	292905 22101	GHPS VATADAHOSA HALLI	2	Primary with Upper Primary	10	0	10	195	9	1
CHIKKABAL LAPURA- 2929	GUDIBANDA -292906	292906 00701	GMHPS BEECHAGANAH ALLI	2	Primary with Upper Primary	7	5	12	83	9	3
CHIKKABAL LAPURA- 2929	GUDIBANDA -292906	292906 01501	GHPS CHEDUR	2	Primary with Upper Primary	6	6	12	83	9	3
CHIKKABAL LAPURA- 2929	GUDIBANDA -292906	292906 08701	GHPS SOMENAHALLI	2	Primary with Upper Primary	8	4	12	141	9	3
CHIKKABAL LAPURA- 2929	GUDIBANDA -292906	292906 10201	GMHPS YELLOWU	2	Primary with Upper Primary	10	0	10	77	9	1
CHIKKABAL LAPURA- 2929	GUDIBANDA -292906	292906 11918	GMHPS GUDIBANDA	2	Primary with Upper Primary	10	0	10	134	9	1
CHIKKABAL LAPURA- 2929	SIDLAGHAT TA-292911	292911 01101	GOVERNMENT HIGHER PRIMARY SCHOOL ANEMADAGU	2	Primary with Upper Primary	8	2	10	129	9	1
CHIKKABAL LAPURA- 2929	SIDLAGHAT TA-292911	292911 05201	GOVERNMENT HIGHER PRIMARY SCHOOL CHIKKADASAR AHALLI	2	Primary with Upper Primary	6	4	10	115	9	1
CHIKKABAL LAPURA- 2929	SIDLAGHAT TA-292911	292911 08902	GOVERNMENT HIGHER PRIMARY	2	Primary with Upper Primary	10	0	10	133	9	1

			SCHOOL GANJIGUNTE								
CHIKKABAL LAPURA- 2929	SIDLAGHAT TA-292911	292911 12201	GOVERNMENT HIGHER PRIMARY SCHOOL IDDALODU	2	Primary with Upper Primary	5	5	10	85	9	1
CHIKKABAL LAPURA- 2929	SIDLAGHAT TA-292911	292911 12502	MHPS JANGAMAKOTE	2	Primary with Upper Primary	16	0	16	185	9	7
CHIKKABAL LAPURA- 2929	SIDLAGHAT TA-292911	292911 16301	GOVERNMENT HIGHER PRIMARY SCHOOL KUDUPAKUNT E	2	Primary with Upper Primary	12	0	12	24	9	3
CHIKKABAL LAPURA- 2929	SIDLAGHAT TA-292911	292911 17601	GOVERNMENT HIGHER PRIMARY SCHOOL MALAMACHAN AHALLI	2	Primary with Upper Primary	10	2	12	95	9	3
CHIKKABAL LAPURA- 2929	SIDLAGHAT TA-292911	292911 19601	GLPS NADAPINAYAK ANAHALLI	1	Primary	4	2	6	8	5	1
CHIKKABAL LAPURA- 2929	SIDLAGHAT TA-292911	292911 23301	GOVERNMENT HIGHER PRIMARY SCHOOL SADALI	2	Primary with Upper Primary	12	1	13	102	9	4
CHIKKABAL LAPURA- 2929	SIDLAGHAT TA-292911	292911 26002	GOVERNMENT HIGHER PRIMARY SCHOOL THIMMASAND RA E	2	Primary with Upper Primary	5	8	13	115	9	4
CHIKKABAL LAPURA- 2929	SIDLAGHAT TA-292911	292911 26301	GOVERNMENT HIGHER PRIMARY SCHOOL THUMMANAHA LLI	2	Primary with Upper Primary	6	7	13	127	9	4
CHIKKABAL LAPURA- 2929	SIDLAGHAT TA-292911	292911 30801	GOVERNMENT HIGHER PRIMARY SCHOOL GIRLS SIDLAGATTA	2	Primary with Upper Primary	10	0	10	99	9	1
CHIKKABAL LAPURA- 2929 Total											247

Uses of GIS for Health and Family Welfare Department, Zilla Panchayath

Objectives: This anaemia maps Shows areas or regions with high anaemia prevalence (e.g., rural vs. urban, country-wide surveys). Helps governments and NGOs target nutrition programs, iron supplementation, or deworming campaigns. It identifies high-risk groups (children, pregnant women, elderly). Tracks causes of anaemia (iron deficiency, vitamin deficiency, genetic).

Statistics Requirement: Required PHC wise anemia cases affected data collection.

Map Uses: Easy-to-understand maps help communities see the impact of anemia and motivate participation in health/nutrition programs.

➤ Map provided by Jpg and Pdf format.

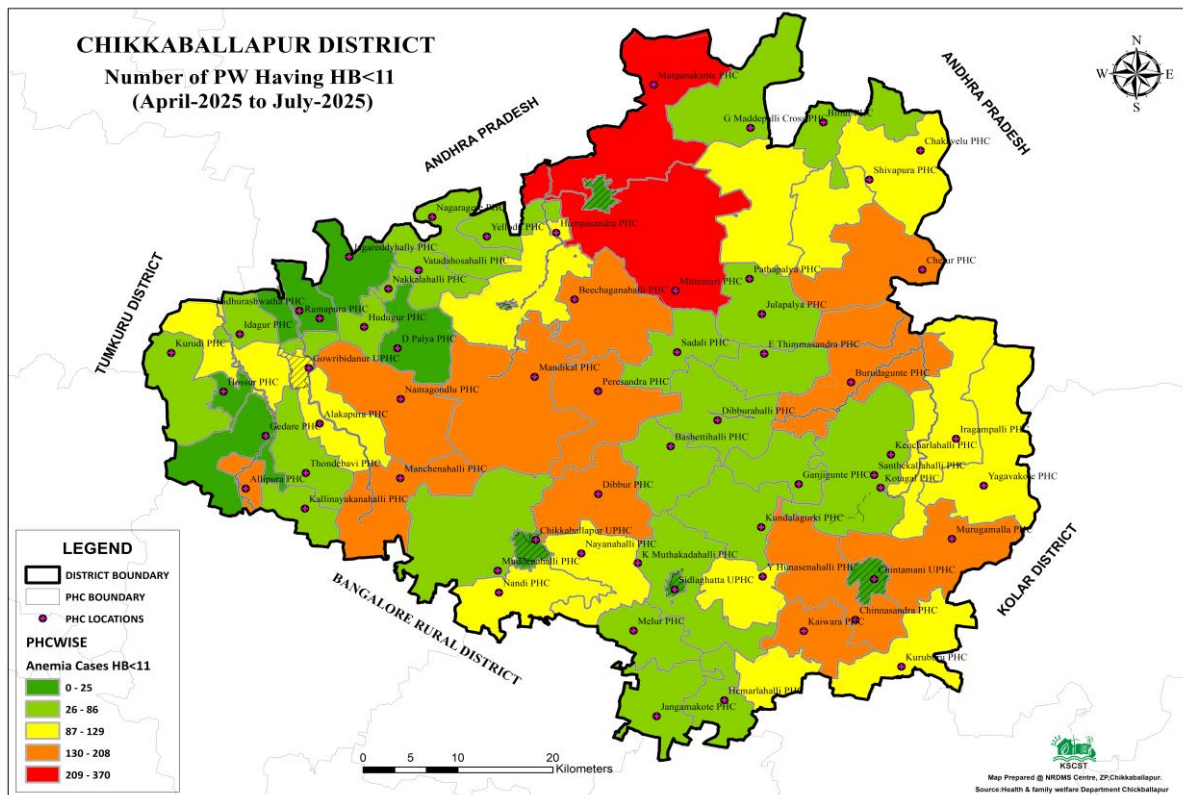


Table: 8

SINo	Taluk	CCP Name	HB_LEVEL level<11	POPULATION	LAT	LONG
1	Bagepalli	Mittemari PHC	9	41451	13.685	77.87
2	Bagepalli	Julapalya PHC	6	12469	13.662	77.947
3	Bagepalli	G Maddepalli Cross PHC	3	14993	13.847	77.936
4	Bagepalli	Shivapura PHC	2	14800	13.795	78.049
5	Bagepalli	Chelur PHC	4	24316	13.706	78.099
6	Bagepalli	Chakavelu PHC	0	15822	13.824	78.097
7	Bagepalli	Pathapalya PHC	1	13546	13.697	77.935
8	Bagepalli	Billur PHC	2	10915	13.852	78.005
9	Bagepalli	Marganakunte PHC	3	59404	13.890	77.844
10	Chikkaballapur	Nandi PHC	11	26416	13.385	77.698
11	Chikkaballapur	Muddenahalli PHC	1	30949	13.407	77.697
12	Chikkaballapur	Mandikal PHC	4	24201	13.600	77.73
13	Chikkaballapur	Dibbur PHC	5	27596	13.483	77.79
14	Chikkaballapur	Chikkaballapur UPHC	25	66820	13.438	77.73
15	Chikkaballapur	Nayanahalli PHC	1	29616	13.424	77.78
16	Chikkaballapur	Peresandra PHC	0	25610	13.586	77.79
17	Chintamani	Burudagunte PHC	2	27564	13.594	78.03
18	Chintamani	Chinnasandra PHC	3	36387	13.358	78.04
19	Chintamani	Murugamalla PHC	0	29522	13.439	78.13
20	Chintamani	Kaiwara PHC	0	21403	13.347	77.99
21	Chintamani	Chintamani UPHC	10	82535	13.399	78.05
22	Chintamani	Kotagal PHC	0	20428	13.490	78.06
23	Chintamani	Santhekallahalli PHC	0	15331	13.502	78.05
24	Chintamani	Kencharlahalli PHC	3	11170	13.522	78.07
25	Chintamani	Yagavakote PHC	0	22403	13.492	78.16
26	Chintamani	Kuruburu PHC	3	25297	13.312	78.08
27	Chintamani	Iragampalli PHC	0	27568	13.538	78.13
28	Gowribidanur	D Palya PHC	0	14744	13.628	77.60
29	Gowribidanur	Allipura PHC	0	16113	13.489	77.46
30	Gowribidanur	Thondebavi PHC	2	19827	13.504	77.51
31	Gowribidanur	Alakapura PHC	3	20863	13.553	77.53
32	Gowribidanur	Jagareddyhally PHC	0	12099	13.719	77.56
33	Gowribidanur	Gedare PHC	2	13660	13.541	77.48
34	Gowribidanur	Namagondlu PHC	4	21963	13.578	77.60
35	Gowribidanur	Nagaragere PHC	0	13786	13.758	77.63
36	Gowribidanur	Idagur PHC	0	10787	13.642	77.45

37	Gowribidanur	Kurudi PHC	0	10406	13.623	77.39
38	Gowribidanur	Hudugur PHC	0	7180	13.649	77.57
39	Gowribidanur	Hossur PHC	0	11897	13.585	77.44
40	Gowribidanur	Kallinayakanahalli PHC	0	10045	13.469	77.51
41	Gowribidanur	Gowribidanur UPHC	0	52963	13.608	77.52
42	Gowribidanur	Manchenahalli PHC	1	28167	13.499	77.60
43	Gowribidanur	Vatadahosahalli PHC	0	7464	13.706	77.62
44	Gowribidanur	Nakkalahalli PHC	0	10602	13.687	77.59
45	Gowribidanur	Ramapura PHC	2	16221	13.658	77.53
46	Gowribidanur	Vidhurashwatha PHC	0	15658	13.665	77.51
47	Gudibande	Beechaganahalli PHC	5	26093	13.677	77.77
48	Gudibande	Hampasandra PHC	2	18955	13.743	77.75
49	Gudibande	Yellodu PHC	0	16524	13.739	77.69
50	Sidlaghatta	Hemarahalli PHC	3	17014	13.279	77.91
51	Sidlaghatta	Sadali PHC	1	15144	13.624	77.87
52	Sidlaghatta	Sidlaghatta UPHC	0	52562	13.389	77.86
53	Sidlaghatta	Jangamakote PHC	0	25142	13.263	77.85
54	Sidlaghatta	E Thimmasandra PHC	1	9647	13.623	77.95
55	Sidlaghatta	Melur PHC	0	26859	13.348	77.83
56	Sidlaghatta	Bashettihalli PHC	3	20303	13.531	77.86
57	Sidlaghatta	Dibburahalli PHC	1	15956	13.557	77.90
58	Sidlaghatta	Ganjigunte PHC	0	8894	13.493	77.98
59	Sidlaghatta	Kundalagurki PHC	1	13732	13.450	77.95
60	Sidlaghatta	Y Hunasenahalli PHC	0	14608	13.401	77.95
61	Sidlaghatta	K Muthakadahalli PHC	1	12053	13.415	77.82938

Uses of GIS for Health and Family Welfare Department. **Zilla Panchayath**

Objective:

- To assess existing PHC coverage in relation to population size and distribution.
- To identify gaps in healthcare delivery where population density is high but PHCs are inadequate or absent.
- To propose locations for new PHCs based on scientific mapping and population data.

- To serve as a planning tool for government, NGOs, and health administrators in strengthening the public health system.

Use of map:

- **Health Service Planning**

- Shows how population is spread across existing PHCs (Primary Health Centres).
- Identifies underserved areas or population clusters without easy access to healthcare.

Resource Allocation

- Helps authorities decide where to send doctors, nurses, medicines, and equipment.
- Ensures optimal use of limited resources.

Accessibility & Coverage Analysis

- Maps highlight areas beyond the recommended service radius of PHCs.
- Useful for reducing travel time and improving patient access.

Equity in Healthcare

- Ensures rural and remote populations are not left behind.
- Helps in reaching marginalized groups by visualizing population distribution.

Policy & Decision Support

- Serves as evidence for proposals to establish new PHCs.
- Useful in government planning, budget justification, and policy-making.

Monitoring & Evaluation

- Before-and-after comparison once new PHCs are established.
- Helps track reduction in patient load at overcrowded PHCs.

- **Map provided by Jpg and Pdf format.**

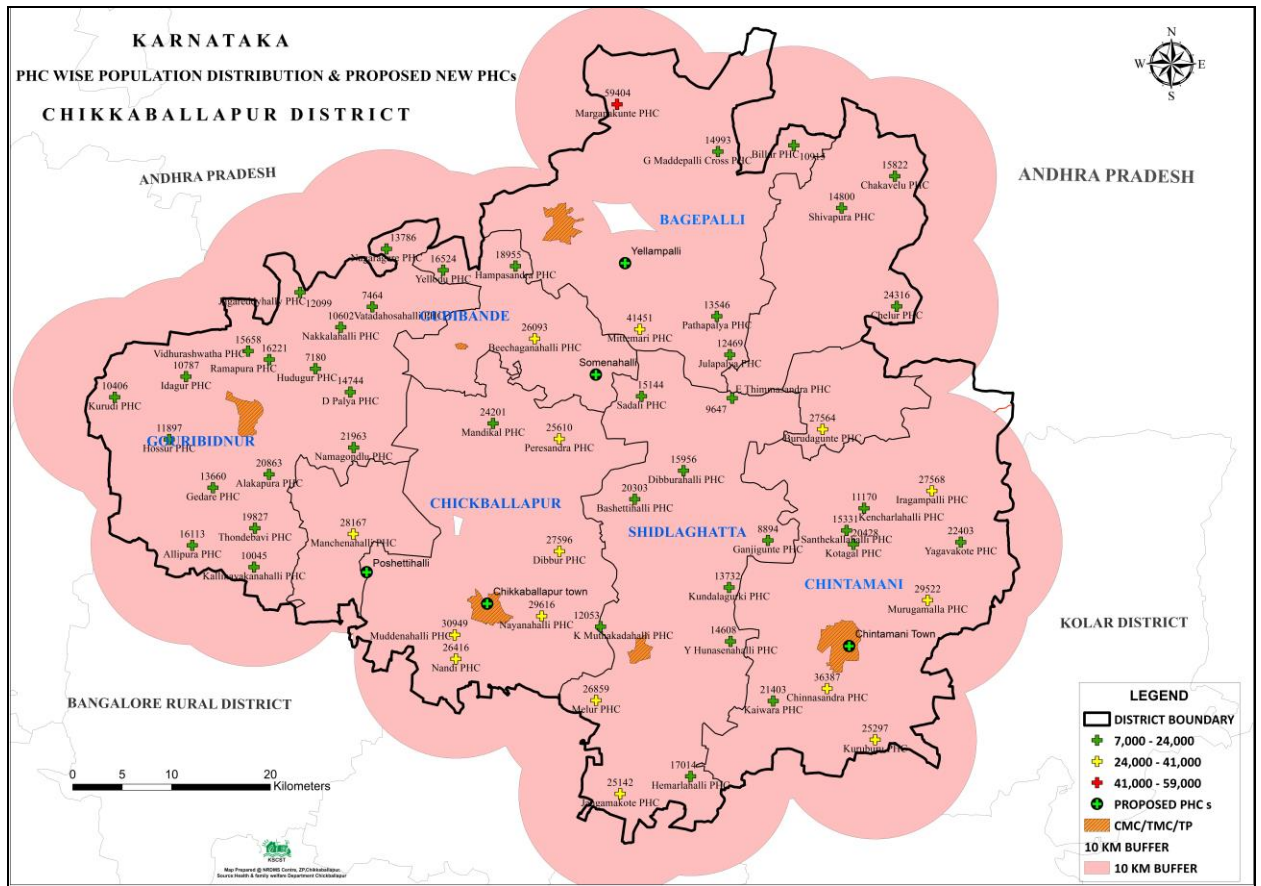


Table: 9

Sl. No	Taluks	Rural Population	No. of PHCs required as per norm	No. of PHCs existing	Deficit	Excess	Urban Population	No. of PHCs required as per norm	No. of PHCs existing	Deficit	Excess	Total required (Rural + Urban)	Total Existing (Rural + Urban)	Deficit	Excess	Proposed Village Name
1	Chickballapur	158357	2	6	1	0	72119	2	1	1	0	4	7	2	0	Poshetihalli, Chikballapur Town
2	Gudibande	50876	1	3	0	0	10544	0	0	0	0	1	3	1	0	Somenahalli
3	Sidlaghatta	179352	0	11	0	0	52562	0	1	0	0	0	12	0	0	-
4	Bagepalli	151910	0	9	0	0	50667	1	0	0	0	1	9	1	0	Yellampalli
5	Gowribidanuru	256924	0	18	0	0	51912	0	1	0	0	0	19	0	0	-
6	Chintamani	228821	0	10	0	0	90152	2	1	1	0	2	11	1	0	Chintamani Town
Total		1026240	3	57	1	0	327956	5	4	2	0	8	61	5	0	

Uses of GIS for Tourism Department, **Zilla Panchayath**

Objective: As suggested by the Honorable Director, Tourism Department, Bangalore, in order to develop Chikkaballapura district as a priority tourist destination, some famous places in the district were identified and 20 km buffer zone maps were prepared by obtaining the latitude and longitude information of their GPS points. From this, the main goal of the government is to identify the places around 20 km of the selected tourist destination as priority tourist destinations and develop those places.

These maps will be useful to know how the 20 km area around the selected tourist destinations can be developed. This defines the spatial limits of an area considered relevant for tourism-related analysis, planning, or promotion.

Map uses:

Tourism Planning – Identifies the catchment area around a destination to plan supporting infrastructure (hotels, transport, facilities).

Resource Mapping – Helps to map natural, cultural, or heritage resources located within a 20 km influence zone of a major attraction.

Carrying Capacity Analysis – Determines how many tourists can be accommodated in the demarcated area.

Sustainable Tourism – Monitors sensitive ecosystems or heritage sites within the buffer for conservation planning.

Connectivity Assessment – Evaluates road, rail, or air access to the destination within the buffer zone.

Destination Clustering – Groups nearby tourist attractions (within 20 km of each other) to develop circuits/packages.

Policy & Zoning – Provides a scientific basis for declaring "tourism zones" where investments, incentives, and development can be focused.

➤ **Map provided by Jpg and Pdf format.**

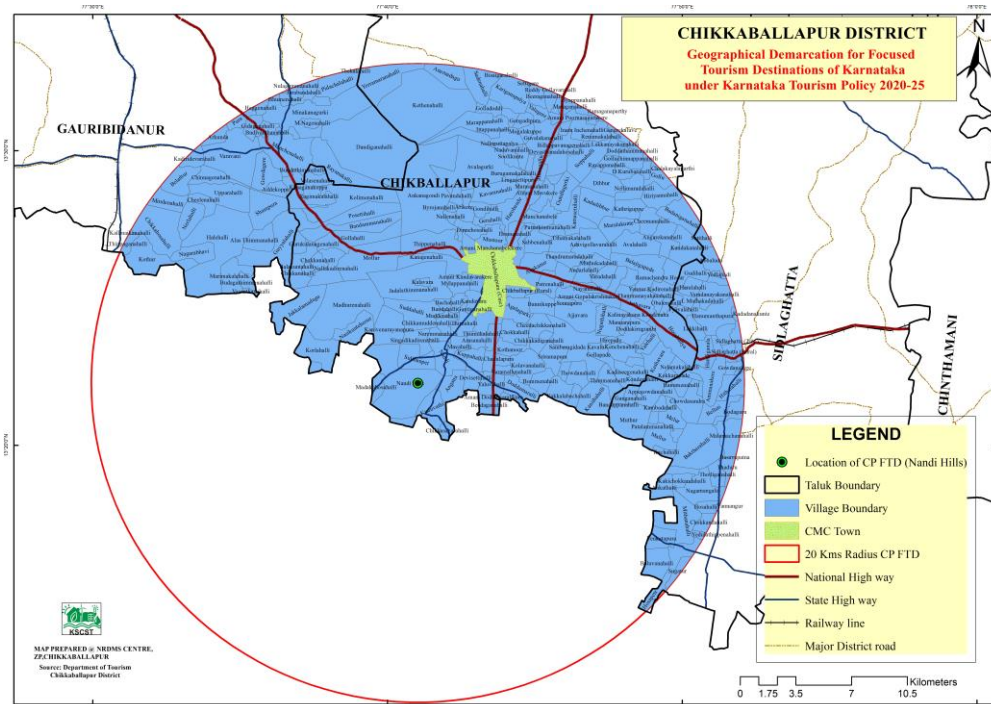
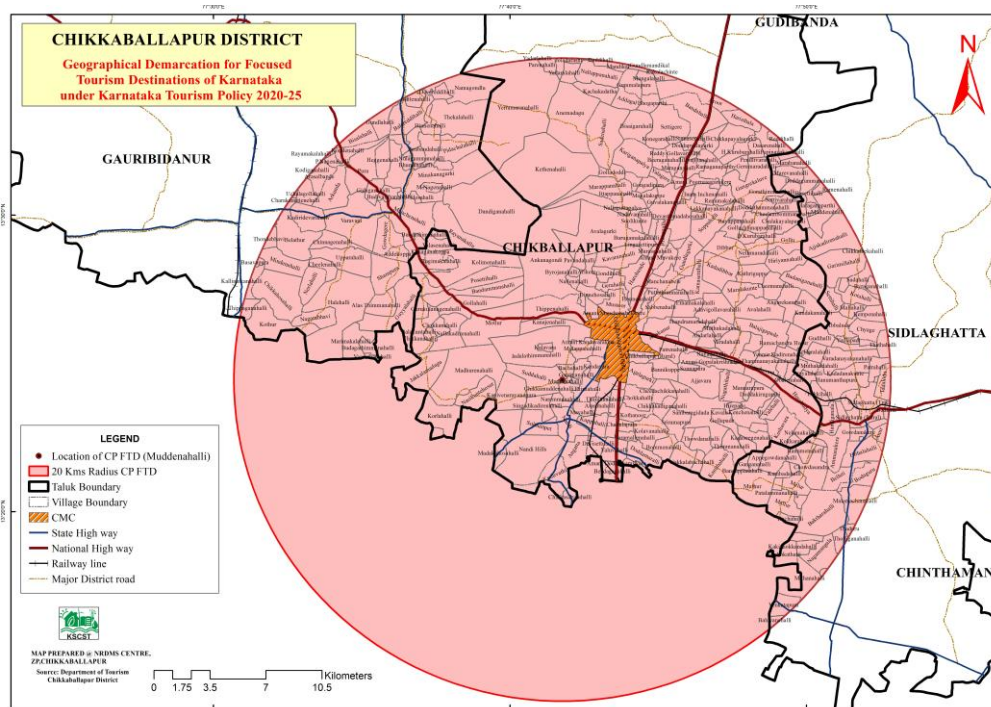


Table: 10

SlNo	Tourist_Destination	Latitude	Longitude
1	Gowribidanur	13.60887	77.51975
2	Chikkaballapur	13.43791	77.73219
3	Gowribidanur	13.60887	77.51975
4	Muddenahalli	13.40754	77.69609
5	Nandi Hills	13.36854	77.68372
6	Chikkaballapur	13.43791	77.73219

7. Training Programmes Attended:

1. Attended 1 day training program conducted by MGNREGA & KSRSAC on 09/05/2025 at KSRSAC, Bengaluru regarding KGIS Portal for Road Side Plantation.
2. 2 Days GIS orientation Training conducted for Village Administrative Officers (VAO) on 13.06.2025 and 30.06.2025
3. Attended “Yukthadhara training” Rural Development & Panchayat Raj Dept through Zoom meeting on 18/08/2025

8. Training Imparted to Line Departments:

Provided training to Forest department staff regarding KGIS Portal for Road Side Plantation on 22.05.2025

9. Science Outreach Activities:

No Science Outreach Activities were conducted during this period.

10. Conclusion:

- **Summary of Activities under Take.**

District NRDMS Bangalore rural maintaining various database and providing maps to all line departments. NRDMS is supporting mainly DC office, Election branch, social forest, Disaster management department and all line departments in mapping work and data base creation. Many types of data are used for more than one purpose by more and more one user.

- **Commitment to Improve NRDMS Activities.**

- Large Diversity of Spatial Data

- Many types of data are used for more than one purpose by more and more one user.
- Utility of data set may be greatly enhanced by merging or liking it with other data sets.
- Reliability/ consistency can be enhanced by correlating different parameters.
- Many organizations are involved in data collection and updating.
- Need for standardization/ compatibility of procedures of data collection and adaptation.
- Need to improve the utilization of data for decision making.

11. Annexure:

List of Tables:

- 1) Administrative details of Chikkaballapur district.
- 2) General information of Chikkaballapur district.
- 3) Government and Private Bore well 500mtr locations list
- 4) List of Observation Bore well locations and water level depth
- 5) Monthly rainfall list
- 6) Surplus rooms of schools
- 7) Pregnant women HB level<11 having anemia cases list
- 8) Population wise proposed PHC's and number of PHC existing population
- 9) Tourism destination locations

List of Maps:

- 1) Location map of Chikkaballapur District
- 2) 500meter Buffer zone Pvt & Govt. Bore well location map
- 3) Seasonal water level fluctuation map
- 4) From Jan to July 2025 Ground water seasonal water level fluctuation map with OB wells
- 5) Prioritization of villages for providing per capita drinking water supply map (LPCD map)
- 6) Locations of schools having Surplus rooms map of Chikkaballapur district
- 7) Pregnant women (PW) having HB<11 (anemia) cases affected map

- 8) PHC wise Population distribution & Proposed new PHCs
- 9) Geographical Demarcation for Focused Tourism Destinations map of Karnataka under Karnataka Tourism Policy 2025.