NATURAL RESOURCES DATA MANAGEMENT SYSTEM (NRDMS)

MONTHLY ACTIVITY REPORT
April - July 2025

Submitted by
District NRDMS Centre
Zilla Panchayat, Mysuru

Submitted to
Karnataka State Council of Science and Technology
(KSCST)

Indian Institute of Science Campus,
Bengaluru - 560012

Basic Information of the District:

- District Name: Mysuru
- Division: Mysuru
- District Establishment Year: 1992-1993
- Headquarters: Mysuru
- Chief Executive Officer: S Ukesh Kumar, IAS
- Chief Planning Officer: Prabhuswamy K B

Background of the District NRDMS Centre:

Mysore NRDMS Centre was established in the year 1992-1993 in Zilla Panchayath Premises. Since then the centre is been providing required maps for the line departments.

The Mysore NRDMS center is providing need-based information to users such as elected bodies, district administration, planners and Zilla/Taluk/Gram Panchayaths through maps, charts, tables, and reports etc., on spatial and non-spatial data. Provided analyzed value added information in the form of reports, images, pictures, charts and tables to support district planning activities mainly in the areas of education, health, infrastructure, watershed, GP wise resources etc.**Geographical Features:**

Location & Boundaries:

Mysore district is located between latitude 11°45' to 12°40' N and longitude 75°57' to 77°15' E. It is bounded by Mandya district to the northeast, Chamrajanagar district to the southeast, Kerala state to the south, Kodagu district to the west, and Hassan district to the north. It has an area of 6,854 km² (ranked 12th in the state). The administrative center of Mysore District is Mysore City. The district is a part of Mysore division. Prior to 1998, Mysore district also contained the Chamarajanagar district before that area was separated off.
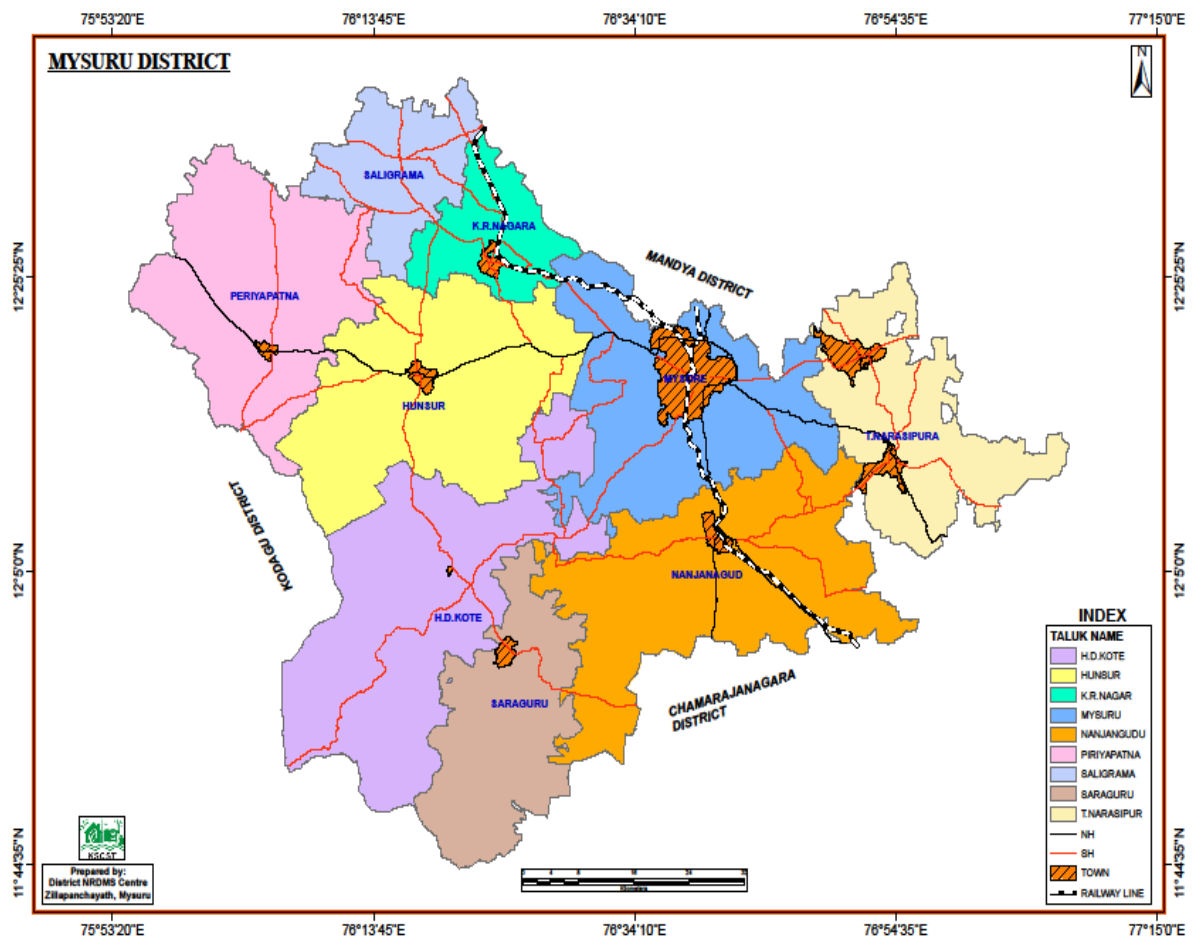
The administrative blocks of the district are as follows:

- ❖ No of Taluks – 9
- ❖ No of Hoblies – 33
- ❖ No of Gramapanchayaths – 256
- ❖ No of Inhabited Villages – 1199
- ❖ No of Un-Inhabited Villages – 137
- ❖ No of MCC/TMC/CMC/TP – 19.

Topography:

The district lies on the undulating table land of the southern Deccan plateau, within the watershed of the Kaveri River, which flows through the northwestern and eastern parts of the district.It is bounded by Mandya district to the northeast, Chamrajanagar district to the southeast, Kerala state to the south, Kodagu district to the west, and Hassan district to the north The Krishna Raja Sagara reservoir, which was formed by building a dam across the Kaveri,

lies on the northern edge of the district. Nagarhole National Park lies partly in Mysore district and partly in adjacent Kodagu District.

Climate:

Average Rainfall: Mysuru district receives an average rainfall of 776.7 mm.

Temperature: Temperature influences considerably the socio-economic activities in a region. The district in general enjoys cool and equable temperature. During the period from March to May, there is continuous rise in temperature. April is the hottest month with the mean daily maximum temperature at 34.5°C and the daily minimum at 21.1°C.On normal days, the day temperatures during summer may exceed 39°C.

Climatic Zone: Mysuru district falls under the Southern Dry Zone of Karnataka's agro-climatic classification system.

Natural Resources: Some of the minerals found in this district are kyanite, sillimanite, quartz, magnesite, chromite, soapstone, felsite, corundum, graphite, limestone, dolomite, siliconite and dunite.

The types of soil found in this district are red soils (red gravelly loam soil, red loam soil, red gravelly clay soil, red clay soil), lateritic soil, deep black soil, saline alluvo-colluvial soil and brown forest soil.

This district has cover of 62851 hectares under forest. Lot of forest products are available, under control of Dept. of Forests.

Major Rivers:

Mysore district is endowed with a number of perennial and non-perennial rivers. The Cauvery, which is the major river system of the district, traverses the Mysore plateau from northwest to east along with its tributaries, Kabini, Suvarnavathi, Laxmanathirtha and others.

Spatial and Non-Spatial Data:

Status Code   :   Meaning

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

SPATIAL DATABASE:

Sector / Subsector	Scale	Source	Survey / Publn. Year	Area covered	Status Code	File Format
1. Natural Resources						
Land						
1. Topography						
Contour Map	20 Mtr	ASTER DEM		District	CC	.Shp
Slope Map	1:50,000	KSRSAC		District	CC	.Shp
2. Geology – A						
Rock features	1:50,000	KSRSAC		District	CC	.Shp
Structural features	1:50,000	KSRSAC		District	CC	.Shp
3. Geology – B						
Rock features		NA				
Structural features		NA				
4. Mineral Resources		NA				
5. Geomorphology	1:50,000	KSRSAC		District	CC	.Shp
6. Land use	1:50,000	KSRSAC		District	CC	.Shp
7. Waste Lands		NA				
8. Soils	1:25,000	NBSS & LUP		District	CC	.Shp
9. Forest & Wildlife						
Forest type		NA				

Sector / Subsector	Scale	Source	Survey / Publn. Year	Area covered	Status Code	File Format
Crown Density		NA				
Forest Category		NA				
Forest admn.	1:50,000	KFD		District	CC	.Shp
Wild Life		NA				
Water						
1.Ground water						
Hydro Geology		NA				
Hydro chemistry		NA				
Ground water budget		NA				
2.Surface water						
Drainage	1:50,000	SOI		District	CC	.Shp
Surface water bodies	1:50,000	SOI & KSRSAC		District	CC	.Shp
3.Climate		NA				

Sector / Subsector	Scale	Source	Survey / Publn. Year	Area covered	Status Code	File Format
2.Demography						
Population						
Tehsil boundary	1:50,000	SOI		District	CC	.Shp
District boundary	1:50,000	SOI		District	CC	.Shp
Current popln. distbn.	1:50,000	SOI		District	CC	.Shp/ xlsx
Literacy						
Levels of education		NA				
Occupation						
Village boundary	1:50,000	SOI		District	CC	.Shp
Employment						

District scenario		NA				
Employment exchange		NA				
Assets & Expenditure		NA				
Migration		NA				
Destitutes		NA				

3.Socio Economy						**File Format**
Industry		NA		District	CC	.Shp
Developmental activity		NA				
4.Agro Economy						
Land Utilisation						
Private Land		NA				
Common property		NA				
Land Ownership pattern						
General scenario		NA				
Farmer's holdings		NA				
Principal crops		NA				
Irrigation						
Minor irrigation						
Canals		NA				
Tube wells		NA				
Dug wells		NA				
Tanks	1:50,000	DLR & SS (KSRSAC)		District	CC	.Shp
Lift irrigation		NA				
Major irrigation						
Reservoirs	1:50,000	DLR & SS(KSRSAC)		District	CC	.Shp

Sector / Subsector	Scale	Source	Survey / Publn. Year	Area covered	Status Code	File Format
Anicuts		NA				
Agricultural implements						
Animal husbandry	1:50,000	AHVS		District	CC	.Shp
Pisciculture		NA				
Plantation		NA				

Sector / Subsector	Scale	Source	Survey / Publn. Year	Area covered	Status Code	File Format
5.Infrastructure						
Communications						
Post offices	1:50,000	NA		Town	CC	.Shp
Telecommunication		NA				
Drinking water		NA				
Educational facilities	1:50,000	DDPI		District	CC	.Shp
Electricity						
Financial institutions		NA				
Markets		NA				
Health	1:50,000	DHO		District	CC	.Shp
NGO's		NA				
Tourism	1:50,000	KSTDC		District	. CC	.Shp
Transport	1:50,000	PWD & SOI		District	. CC	.Shp
6.Miscellaneous						
District map with taluks	1:50,000	SOI		District	. CC	.Shp
District & taluk boundaries	1:50,000	SOI		District	. CC	.Shp
District map with hoblies	1:50,000	DLR & SS		District	. CC	.Shp
Village boundary with settlement	1:50,000	SOI/KSR AC		District	. CC	.Shp

Police station details	1:50,000	SP		District	. CC	.Shp
Details on Assembly constituencies	1:50,000	DC		District	. CC	.Shp
Gram Panchayhs & Zilla Panchayaths, its jurisdiction for all taluks	1:50,000	DC		District	. CC	.Shp

Additional Data

Cadastral Boundary	NA	NA	District	NA	NA	NA

Non-Spatial Database:

Sector / Subsector	Source	Survey / Publn. Year	Area covered	Status Code	File Format
1. Natural Resources					
Land					
1. Topography					
Contour				NR	
Slope				NR	
2. Geology – A					
Rock Features	MGD			NR	
Structural features				NR	
3. Geology – B					
Rock features				NR	
Structural features				NR	
4. Mineral Resources	MGD			NR	
5. Geomorphology				NR	
6. Land use				NR	
7. Waste Lands				NR	
8. Soils	NBSS & LUP			NR	

9. Forest & Wildlife					
Forest type				NR	
Crown Density				NR	
Forest Category				NR	
Forest admn.				NR	
Wild Life				NR	
Water					
Ground water					
Hydro Geology	MGD			NR	
Hydro chemistry	CGWB			NR	
Ground water budget	MGD			NR	
Surface water					
Drainage				NR	
Surface water bodies				NR	
Climate	IMD			NR	

2. Demography					**File Format**
Population					
Tehsil boundary	DLR & SS			CC	.Shp
District boundary				CC	.Shp
Current popln. distbn.	DES			CC	xlsx
Literacy					**File Format**
Levels of education				NA	
Occupation					
Village boundary	DES			NA	
Employment					
District scenatio	EO			NA	

Employment exchange	EO			NA	
Assets & Expenditure					
Migration					
Destitutes					

3. Socio Economy					**File Format**
Industry	DIC		District	NA	.Shp/ xlsx
Developmental activity	DIC			NA	

4. Agro Economy					**File Format**
Land Utilisation					
Private Land	DSO		VILLAGE	NA	
Common property	DSO			NA	
Land Ownership pattern					
General scenario	DSO			NA	
Farmer's holdings	Rev. Dept			NA	
Principal crops	JDA		Taluk	NA	
Irrigation					
Minor irrigation					
Canals	CADA			NA	
Tube wells	DSO			NA	
Dug wells	DSO			NA	
Tanks	MIC/ ZPE			NA	
Lift irrigation	MID			NA	
Major irrigation					
Reservoirs	CE (N)			NA	
Anicuts	CE (N)			NA	

Agricultural implements	Ag Census			NA	
Animal husbandry	AH&VS		District	CC	.Shp
Pisciculture	Fisheries			NA	
Plantation				NA	
Horticulture	HD			NA	
Sericulture	SD			NA	

Sector / Subsector	Source	Survey / Publn. Year	Area covered	Status Code	File Format
5. Infrastructure					
Communications					
Post offices	SSPO/ DES			NA	
Telecommunication	TDM / DES			NA	
Drinking water	ZPE			NA	
Educational facilities	DDPI		District	CC	.Shp
Electricity	Census			NA	
Financial institutions	LEAD bank			NA	
Markets	FACS			NA	
Health	DHO		District	CC	.Shp
NGO's	DRS			NA	
Tourism	KSTDC		District	CC	.Shp
Transport					
Roads	PWD			NA	
Rail network	ZPED			NA	
Air transport/HELIPAD	PWD			NA	
Vehicle census	RTO			NA	
Inland & coastal waterways				NA	
Veterinary services					

Veterinary facilities	AHVS		District	CC	.Shp
Other veterinary serv.	AHVS				
Incidence of diseases	AHVS				
Anganwadi	D W&C		District	CC	.Shp

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

Major Activities Carried Out During the period of April to July-2025:

Activity - 1

Title of work	Map of Mysuru Taluk, Mysuru District.
Department Name	Mysuru City Corporation and DC Office, Mysuru District.
Objectives	Jurisdiction of Mysuru city has been extended as per gazzette notification. It's map been done and given to MCC and DC Office.
Data Used	Taluk Boundary, GP boundary and City Boundary.
Data Process	ArcGIS, Excel Data (Department Data) and Thematic Map.
Type of Data Provided	PDF Map was provided.

MAP OF T MYSURU TALUK, MYSURU DISTRICT
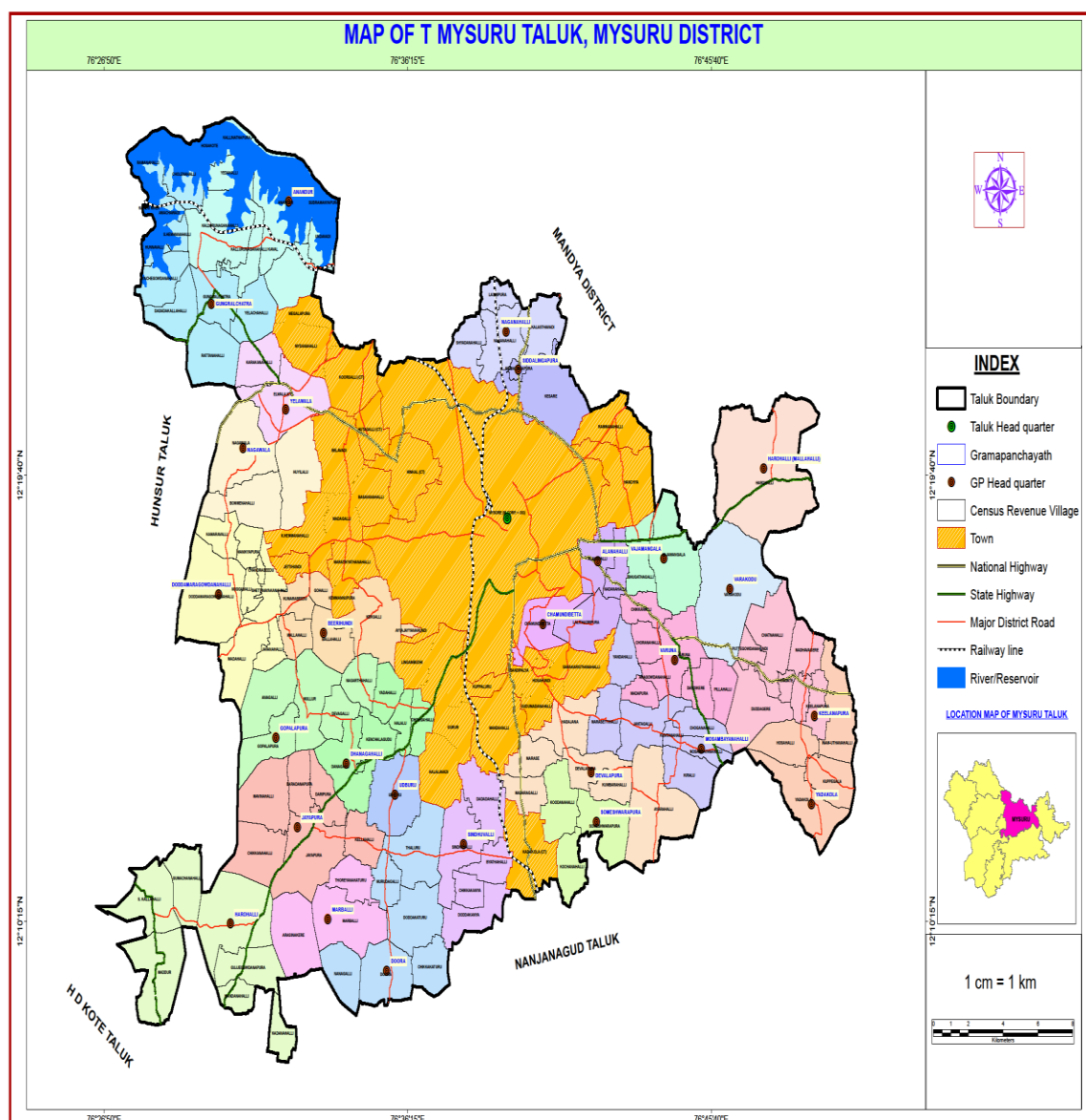
Activity - 2

Title of work	Mapping of Fluoride Endemic Villages.
Department Name	District Health & Family Welfare Department, Mysuru District.
Objectives	Mapping of Fluoride endemic villages helps to strengthen the effectiveness of prevention and control of fluorosis.by knowing the geographical spread of the problem.
Data Used	Taluk Boundary, GP boundary and Department Data.
Data Process	ArcGIS, Excel Data (Department Data) and Thematic Map.
Type of Data Provided	PDF Map was provided.

Mapping of Fluoride Endemic Villages

KARNATAKA
MYSURU DISTRICT

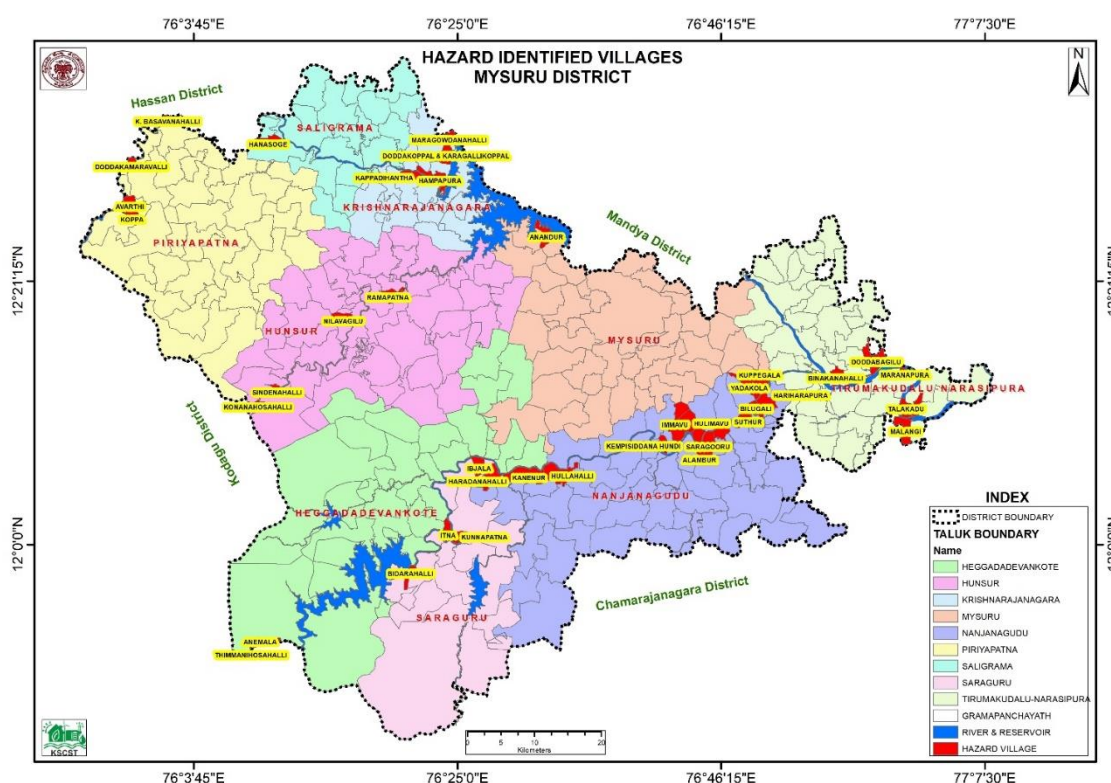| GP_CODE	TALUK_NAME	GP_NAME	FLUOROSIS VALUES 24-25
29_26_0005_12	H.D.KOTE	HIREHALLI	1.03
29_26_0005_15	H.D.KOTE	BHEEMANAHALLI	1.11
29_26_0005_14	H.D.KOTE	ANNURU	1.12
29_26_0005_16	H.D.KOTE	SAVVE	1.18
29_26_0005_31	H.D.KOTE	N. BEGUR	1.29
29_26_0005_13	H.D.KOTE	CHAKKODANAHALLI	1.33
29_26_0005_10	H.D.KOTE	THUMBASOGE	1.46
29_26_0002_18	HUNSUR	CHALLAHALLI	1.06
29_26_0002_34	HUNSUR	GOVINDANAHALLI	1.11
29_26_0002_14	HUNSUR	CHILKUNDA	1.11
29_26_0002_9	HUNSUR	GAGENAHALLI	1.12
29_26_0002_5	HUNSUR	BOLANAHALLI	1.13
29_26_0002_6	HUNSUR	HALEBEEDU	1.14
29_26_0002_25	HUNSUR	UNMATHUR	1.14
29_26_0002_34	HUNSUR	UDDURU	1.15
29_26_0002_21	HUNSUR	DHARMAPURA	1.15
29_26_0002_12	HUNSUR	KATTEMALALAVADI	1.16
29_26_0002_40	HUNSUR	HUSENPURA	1.18
29_26_0002_26	HUNSUR	THATTEKERE	1.18
29_26_0002_10	HUNSUR	BANNIKUPPE	1.18
29_26_0002_1	HUNSUR	HARAVE	1.18
29_26_0002_31	HUNSUR	BILIGERE	1.18
29_26_0002_13	HUNSUR	KOTHEGALA	1.19
29_26_0002_15	HUNSUR	KALLAHALLI	1.21
29_26_0002_42	HUNSUR	MODURU	1.21
29_26_0002_4	HUNSUR	MULLUR	1.30
29_26_0002_41	HUNSUR	CHIKKABEECHANAHALLI	1.31
29_26_0002_36	HUNSUR	NONNENAHALLI	1.36
29_26_0002_2	HUNSUR	HIRIKYATHANAHALLI	1.40
29_26_0002_38	HUNSUR	KIRANGURU	1.55
29_26_0002_7	HUNSUR	MANUGANAHALLI	1.58
29_26_0002_8	HUNSUR	BILIKERE	1.67
29_26_0002_33	HUNSUR	MOCKANAHALLI	1.76
29_26_0002_39	HUNSUR	JABAGERE	1.76
29_26_0002_11	HUNSUR	MARADHURU	2.01

INDEX

Taluk Boundary
Gramapanchayath

Distribution of Fluoride Content (in ppm)

1 to 1.5
Above 1.5

GP_CODE	TALUK_NAME	GP_NAME	
29_26_0003_19	K.R.NAGAR	DORNAHALLI (DODDAKOPPAL)	1.11
29_26_0003_16	K.R.NAGAR	THIPPUR	1.40
29_26_0003_21	K.R.NAGAR	HEBBAL	1.55
29_26_0004_26	MYSURU	UDBURU	1.19
29_26_0004_16	MYSURU	DEVALAPURA	1.23
29_26_0004_14	MYSURU	MOSAMBAYANAHALLI	1.36
29_26_0006_22	NANJANGUDU	KOODLAPURA	1.12
29_26_0006_16	NANJANGUDU	DASANURU	1.18
29_26_0006_14	NANJANGUDU	THAGADOORU	1.50
29_26_0006_14	NANJANGUDU	BILIGERE	1.73
29_26_0006_42	NANJANGUDU	HURA	2.67
29_26_0006_32	NANJANGUDU	DEBUR	2.67
29_26_0001_1	PIRIYAPATNA	KANAGAL	1.12
29_26_0001_22	PIRIYAPATNA	KOPPA	1.13
29_26_0001_32	PIRIYAPATNA	HARADUR	1.15
29_26_0001_14	PIRIYAPATNA	MAKODU	1.18
29_26_0001_5	PIRIYAPATNA	HANDITAVALLI	1.19
29_26_0001_3	PIRIYAPATNA	ATTIGODU	1.21
29_26_0001_4	PIRIYAPATNA	KITTURU	1.56
29_26_0008_10	SARAGURU	KOTHEGALA	1.25
29_26_0008_1	SARAGURU	B. MATAKERE	1.37
29_26_0008_14	SARAGURU	SAGARE	1.41
29_26_0007_32	T.NARASIPUR	KIRAGASURU	1.09
29_26_0007_18	T.NARASIPUR	BINAKANAHALLI	1.38
29_26_0007_20	T.NARASIPUR	TALAKADU	1.44
29_26_0007_25	T.NARASIPUR	MADAPURA	1.54

Prepared by:
District NRDMS Centre
Zillapanchayath, Mysuru

Reference: NPPCF Lab Report
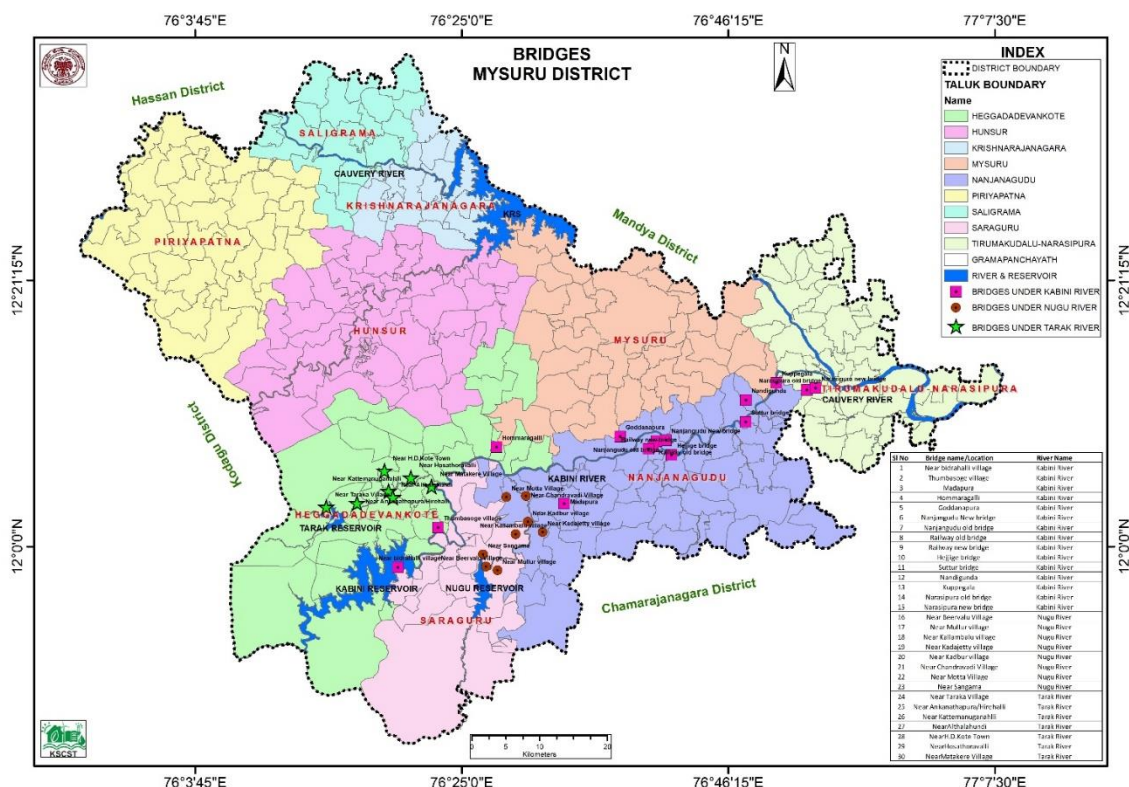
2024-2025

KSCST

Activity - 3

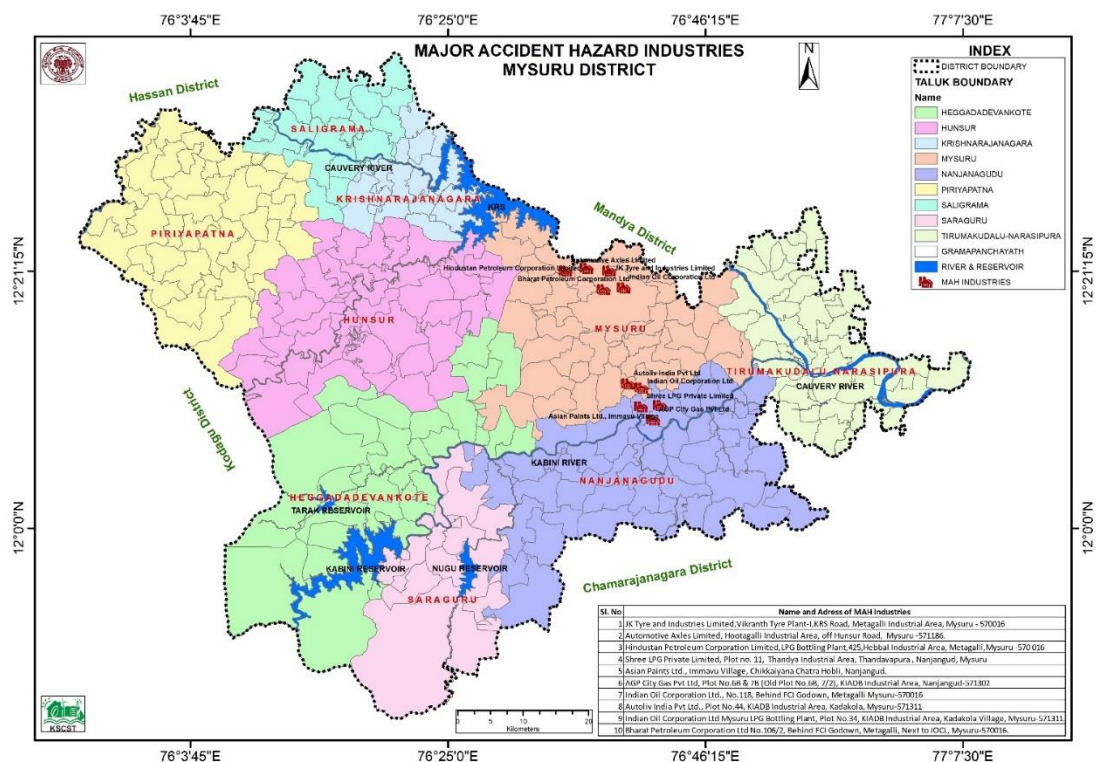| Title of work	Hazard Identified Villages, Mysuru District.
Department Name	Disaster Management Cell, DC Office, Mysuru District.
Objectives	The Maps pertaining to Disaster Management is prepared from the NRDMS office Mysuru. For the purpose to locating Vulnerable areas in the district.
Data Used	District Boundary, Taluk Boundary, GP Boundary, River/Reservoir and Department Data.
Data Process	ArcGIS, Excel Data (Department Data) and Thematic Map.
Type of Data Provided	PDF Map was provided.

Activity - 4

Title of work	Bridges, Mysuru District.
Department Name	Disaster Management Cell, DC Office, Mysuru District.
Objectives	The Maps pertaining to Disaster Management is prepared from the NRDMS office Mysuru. For the purpose to locating Vulnerable areas in the district. Bridges use to get submerged during floods in the district.
Data Used	District Boundary, Taluk Boundary, GP Boundary, River/Reservoir and Department Data.

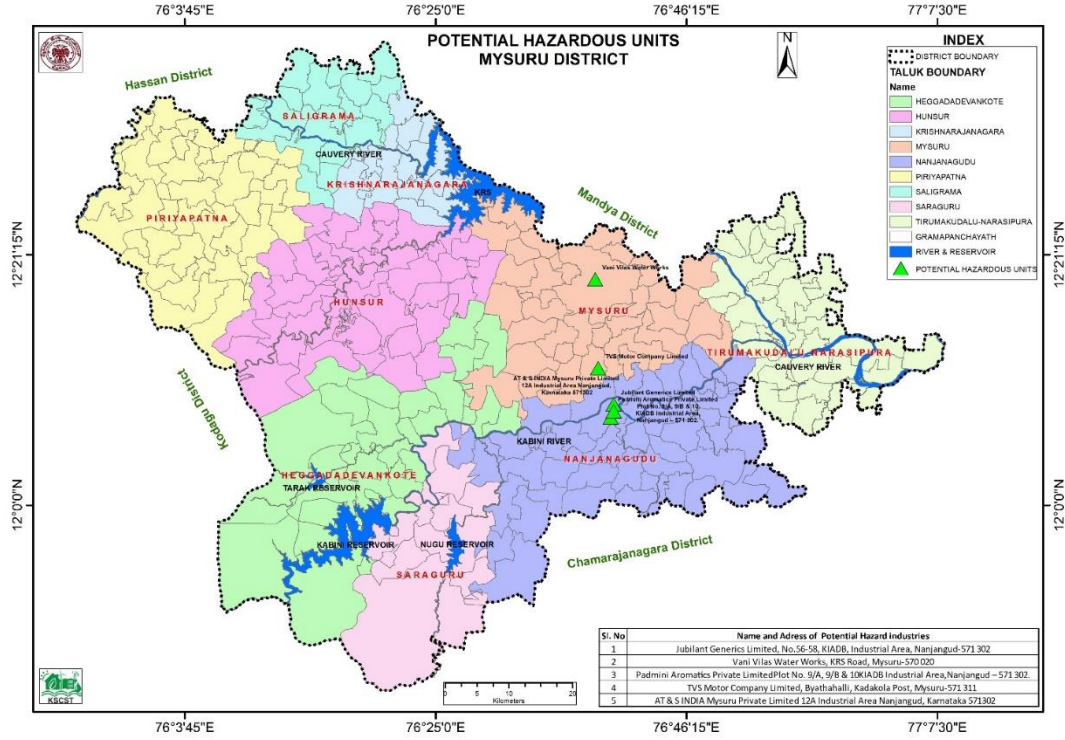|	
Data Process	ArcGIS, Excel Data (Location Data) and Thematic Map.
Type of Data Provided	PDF Map was provided.

Activity - 5

Title of work	Major Accident Hazard Industries, Mysuru District.
Department Name	Disaster Management Cell, DC Office, Mysuru District.
Objectives	The Maps pertaining to Disaster Management is prepared from the NRDMS office Mysuru. For the purpose to locating Vulnerable areas in the district. The maps are added and Updated in Mysuru District Disaster Management Plan-2025-26 and also utilised the Maps during the presentations in the state office, when Delegates from the NDMA Delhi Visit.
Data Used	District Boundary, Taluk Boundary, GP Boundary, River/Reservoir and Department Data.
Data Process	ArcGIS, Excel Data (Location Data) and Thematic Map.
Type of Data Provided	PDF Map was provided.

**MAJOR ACCIDENT HAZARD INDUSTRIES
MYSURU DISTRICT**

Sl. No	Name and Adress of MAH Industries
1	JK Tyre and Industries Limited, Vikranth Tyre Plant-I, KRS Road, Metagalli Industrial Area, Mysuru - 570016
2	Automotive Axles Limited, Hootagalli Industrial Area, off Hunsur Road, Mysuru -571186.
3	Hindustan Petroleum Corporation Limited, LPG Bottling Plant,425,Hebbal Industrial Area, Metagalli,Mysuru 570 016
4	Shree LPG Private Limited, Plot no. 11, Thandya Industrial Area, Thandavapura , Nanjangud, Mysuru
5	Asian Paints Ltd., Immavu Village, Chikkaiyana Chatra Hobli, Nanjangud.
6	AGIP City Gas Pvt Ltd, Plot No.6B & 7b (Old Plot No.6B, 7/2), KIADB Industrial Area, Nanjangud-571302
7	Indian Oil Corporation Ltd., No.11B, Behind FCI Godown, Metagalli Mysuru-570016
8	Autoliv India Pvt Ltd., Plot No.44, KIADB Industrial Area, Kadakola, Mysuru-571311
9	Indian Oil Corporation Ltd Mysuru LPG Bottling Plant, Plot No.34, KIADB Industrial Area, Kadakola Village, Mysuru-571311
10	Bharat Petroleum Corporation Ltd No.106/2, Behind FCI Godown, Metagalli, Next to IOCL, Mysuru-570016.

Activity - 6

|	
Title of work	Potential Hazardous Units, Mysuru District.
Department Name	Disaster Management Cell, DC Office, Mysuru District.
Objectives	The Maps pertaining to Disaster Management is prepared from the NRDMS office Mysuru. For the purpose to locating Vulnerable areas in the district. The maps are added and Updated in Mysuru District Disaster Management Plan-2025-26 and also utilised the Maps during the presentations in the state office, when Delegates from the NDMA Delhi Visit.
Data Used	District Boundary, Taluk Boundary, GP Boundary, River/Reservoir and Department Data.
Data Process	ArcGIS, Excel Data (Location Data) and Thematic Map.
Type of Data Provided	PDF Map was provided.

POTENTIAL HAZARDOUS UNITS
MYSURU DISTRICT

Sl. No	Name and Adress of Potential Hazard Industries
1	Jubilant Generics Limited, No.56-58, KIADB, Industrial Area, Nanjangud-571 302
2	Vani Vilas Water Works, KRS Road, Mysuru-570 020
3	Padmini Aromatics Private LimitedPlot No. 9/A, 9/B & 10KIADB Industrial Area, Nanjangud – 571 302.
4	TVS Motor Company Limited, Byathahalli, Kadakola Post, Mysuru-571 311
5	AT & S INDIA Mysuru Private Limited 12A Industrial Area Nanjangud, Karnataka 571302

Training Programmes Attended:

➢ Attended Roadside Plantation Mapping Web Application Workshop at KSRSAC, Bengaluru.

➢ Attended EMPRI Workshop at Zilla Panchayath, Mysuru **Training Imparted to Line Departments:**

Roadside Plantation Mapping Web Application Training has been given to Social Forestry Department Officials.
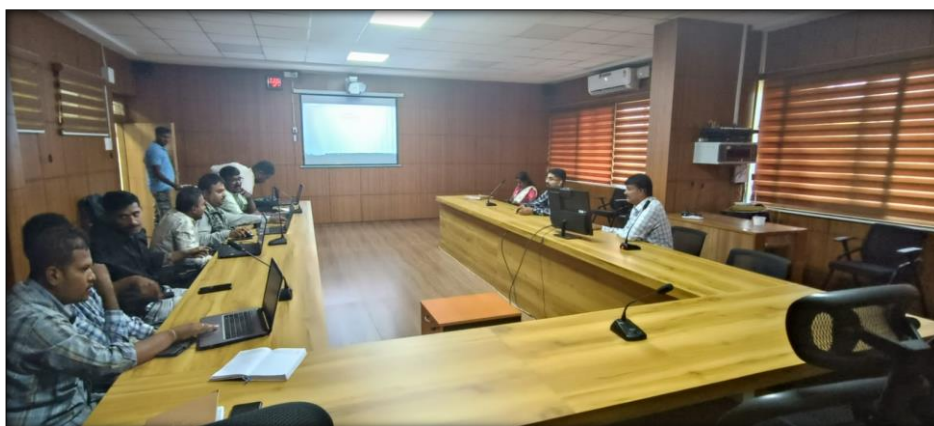
Conclusion:

A) Summary of Activities and Key Findings.

During this period district NRDMS center, ZP Mysuru provided various Maps, data and report to Zilla Panchayath Office, Deputy Commissioner Office and various line departments, pertaining to implementation of various activities and assist district administration in disaster management.

GIS mapping technology provides valuable insights into data visualization, facilitating improved decision-making in a variety of fields. By effectively connecting spatial data with pertinent attributes, the system helps its users identify intricate patterns and linkages.

B) Commitment to Improve NRDMS Activities.

- To update the database of various line departments.

- To interact and assist various other line departments and NGO's in decision making and planning.

- Encourage/motivate line departments, PDO's to take up new projects pertaining to planning which helps the beneficiaries.

- To support Students and research scholars in preparing projects and technical reports.

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