

# **NATURAL RESOURCE DATA MANAGEMENT SYSTEM (NRDMS)**

**Gadag District Quadrimestral Activity Report  
December 2025-March- 2026**



**Submitted By**

**District NRDMS Centre,  
Zilla Panchayat, Gadag.**

**Karnataka State Council for Science and Technology (KSCST)  
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## 1. Major Activities Carried Out during the period of December-2025 to March 2026:

### Activity -1

<b>Title of work</b>	Provided information on the availability of tanks across Gram Panchayats in Gadag district
<b>Department Name</b>	Chief Executive Officer, ZP Gadag
<b>Objectives</b>	The Office of the Zilla Panchayat, Gadag, issued a request to the District NRDMS Centre, Gadag, for comprehensive information on the availability of tanks across Gram Panchayats in the district.
<b>Data Used</b>	The primary data was sourced from KSRSAC in Excel format. This dataset included detailed location information for tanks within the Gadag district, such as coordinates and other relevant attributes along with Taluk Boundary, Gram panchayat Boundary and
<b>Data Process</b>	The point data layer for tanks was overlaid onto the Gram Panchayat Boundary layer. This boundary layer defines the administrative extents of each Gram Panchayat in the district. This overlay operation allowed for the spatial association of tanks with their respective Gram Panchayats. Attributes from the Gram Panchayat Boundary layer (e.g., Gram Panchayat names, Taluk affiliations) were joined to the tank point data. This integration created a unified dataset where each tank record included details of the Gram Panchayat and Taluk it falls within. The joined dataset was exported back to Excel for further processing. Counts of tanks were calculated per Gram Panchayat, with results grouped by Taluk. Details of Taluk wise and GP wise data is as given below.
<b>Type of Data Provided</b>	Excel Sheet

**Table 1: Taluk Wise, GP Wise Availability of Tanks**

<b>Sl No</b>	<b>Taluk</b>	<b>No of GP's</b>	<b>Tanks No</b>
1	Gadag	27	59
2	Gajendragad	13	32
3	Laxmeshwar	14	30
4	Mundaragi	19	31
5	Nargund	13	24
6	Rona	22	35
7	Shirahatti	14	33
	<b>Total</b>	<b>122</b>	<b>244</b>

**Table 2: Gadag Taluk GP  
Wise Availability of Tanks**

<b>Taluk: Gadag</b>	
<b>GP Name</b>	<b>No of Tanks</b>
ADAVISOMAPUR	1
ANTUR	1
ASUNDI	1
BALAGANUR	1
BELADHADI	4
BELAHOODA	2
BINKADAKATTI	4
CHIKKAHANDIGOL	3
CHINCHALI	8
HARALAPUR	2
HARTI	2
HATALAGERI	2
HOMBALA	3
HULAKOTI	2
HUYELAGOLA	1
KALASAPUR	1
KANAGINAHAL	1
KOTAMACHAGI	3
KURTAKOTI	3
LAKKUNDI	2
LINGADAL	2
NAGAVI	1
NEERALAGI	2
SORATUR	3
TIMMAPUR	1
YELISHIRUR	3
<b>Total</b>	<b>59</b>

## Activity -2

<b>Title of work</b>	Provided Village Wise Sub Basin, Basin and Catchment details were provided to SG, Ground Water Dept
<b>Department Name</b>	Senior Geologist, Ground Water Department, Gadag
<b>Objectives</b>	The Office of the Senior Geologist, Ground Water Department issued a request to the District NRDMS Centre, Gadag, for information on Village Wise Sub Basin, Basin and Catchment details in Gadag district.
<b>Data Used</b>	MWS Boundary, Village Boundary, Taluk Boundary and District Boundary.
<b>Data Process</b>	MWS Boundary was overlaid onto the Village Boundary layer. This overlay operation allowed for the spatial association of Watershed details with their respective village boundary. Attributes from the Watershed Boundary layer (e.g., Sub Basin, Basin and Catchment) were joined to the Village layer data. This integration created a unified dataset where each village was included details of the watershed. The joined dataset was exported back to Excel for further processing. Details of Taluk wise and village wise data is as given below.
<b>Type of Data Provided</b>	Excel Sheet

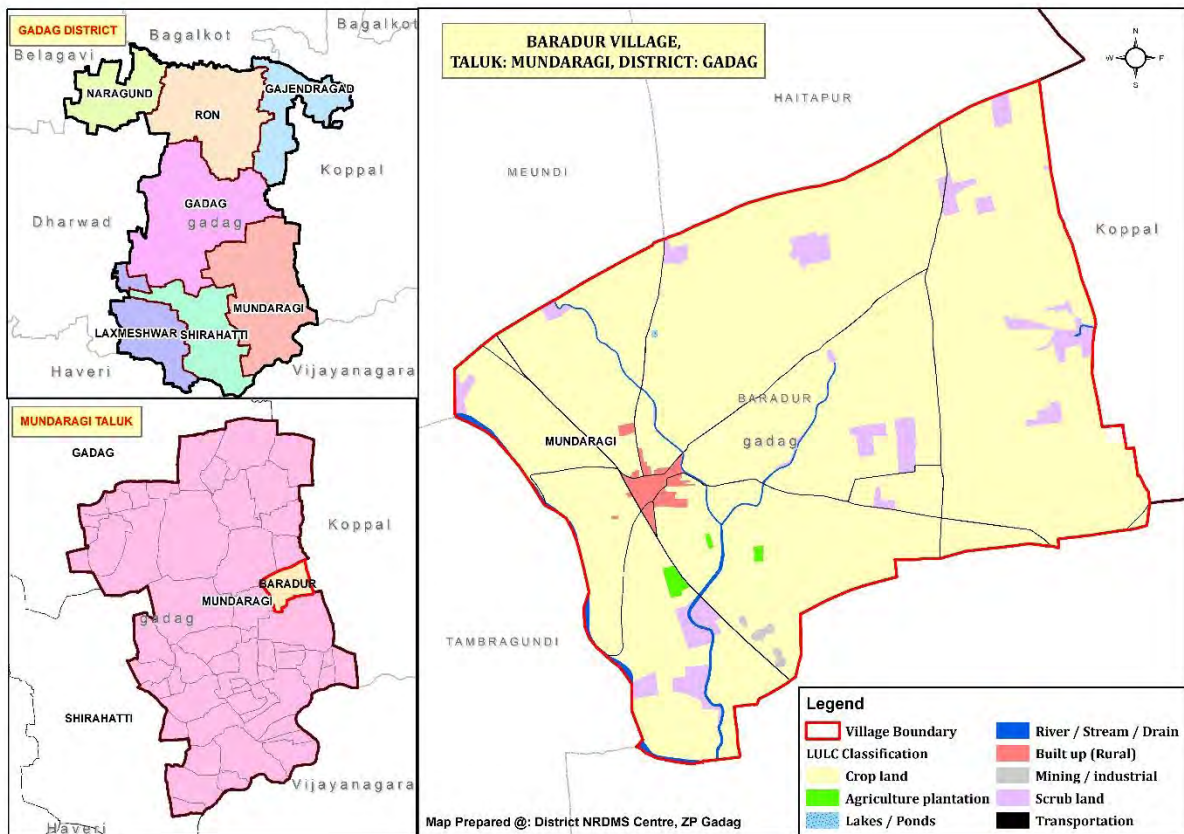
**Table 3: Taluk Wise, Village Wise Watershed Details**

Taluk	Village	REGION	BASIN	CATCHMENT	SUBCATCH	WATERSHED	SUBWSHED	MINIWSHED	MICROWSHED
GADAG	ADAVISOMAPURA	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Chanl, Hirehalla	Sambapura	Adavi Sambapura	Adavi Sambapura2
GADAG	ADAVISOMAPURA	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Chanl, Hirehalla	Sambapura	Adavi Sambapura	Kalaspura1
GADAG	ADAVISOMAPURA	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Chanl, Hirehalla	Sambapura	Sambapura	Sambapura3
GADAG	ADAVISOMAPURA	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Chanl, Hirehalla	Sambapura	Adavi Sambapura	Adavi Sambapura1
GADAG	ADAVISOMAPURA	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Chanl, Hirehalla	Sambapura	Adavi Sambapura	Kalaspura2
GADAG	ADAVISOMAPURA	Bay of Bengal	Krishna	Upper Tungabhadra above the reservoir	Misc LB Lower parts Vardha	Doddahalla3	Ramenahalli	Sirur Kere	Pagnash2
GADAG	ADAVISOMAPURA	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Chanl, Hirehalla	Sambapura	Adavi Sambapura	Adavi Sambapura Tande
GADAG	ANTUR	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Yeran, Radi, Gugihalla	Bennur	Annigeri	Annigeri4
GADAG	ANTUR	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Yeran, Radi, Gugihalla	Bennur	Annigeri	Jagapur
GADAG	ANTUR	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Nandigrama	Saidapur	Saidapur	Saidapur2
GADAG	ANTUR	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Nandigrama	Saidapur	Antur	Antur4
GADAG	ANTUR	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Yeran, Radi, Gugihalla	Kolivad	Kolivad	Kolivad
GADAG	ANTUR	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Nandigrama	Saidapur	Antur	Antur2
GADAG	ASUNDI	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Yeran, Radi, Gugihalla	Kolivad	Kolivad	Mattigvad
GADAG	ASUNDI	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Nandigrama	Karadhalla	Manihalla	Karadi Halla2
GADAG	ASUNDI	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Nandigrama	Karadhalla	Manihalla	Mani Halla6
GADAG	ASUNDI	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Nandigrama	Karadhalla	Manihalla	Mani Halla1
GADAG	ASUNDI	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Nandigrama	Asundi	Asundi	Balikoppa
GADAG	ASUNDI	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Nandigrama	Karadhalla	Manihalla	Mani Halla4
GADAG	ASUNDI	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Nandigrama	Asundi	Asundi	Asund2
GADAG	ASUNDI	Bay of Bengal	Krishna	Main Krishna above confl. with Bhima	Malaprabha	Nandigrama	Asundi	Asundi	Matasamudra2

**Activity -3**

<b>Title of work</b>	Location map of Baradur and Haitapur village, Mundaragi taluk
<b>Department Name</b>	NRHM Division, Vijayanagara.
<b>Objectives</b>	For Report Purpose
<b>Data Used</b>	Village Boundary, Taluk Boundary and District Boundary.
<b>Data Process</b>	Using above mentioned layer Location map was prepared and provided map.
<b>Type of Data Provided</b>	JPEG

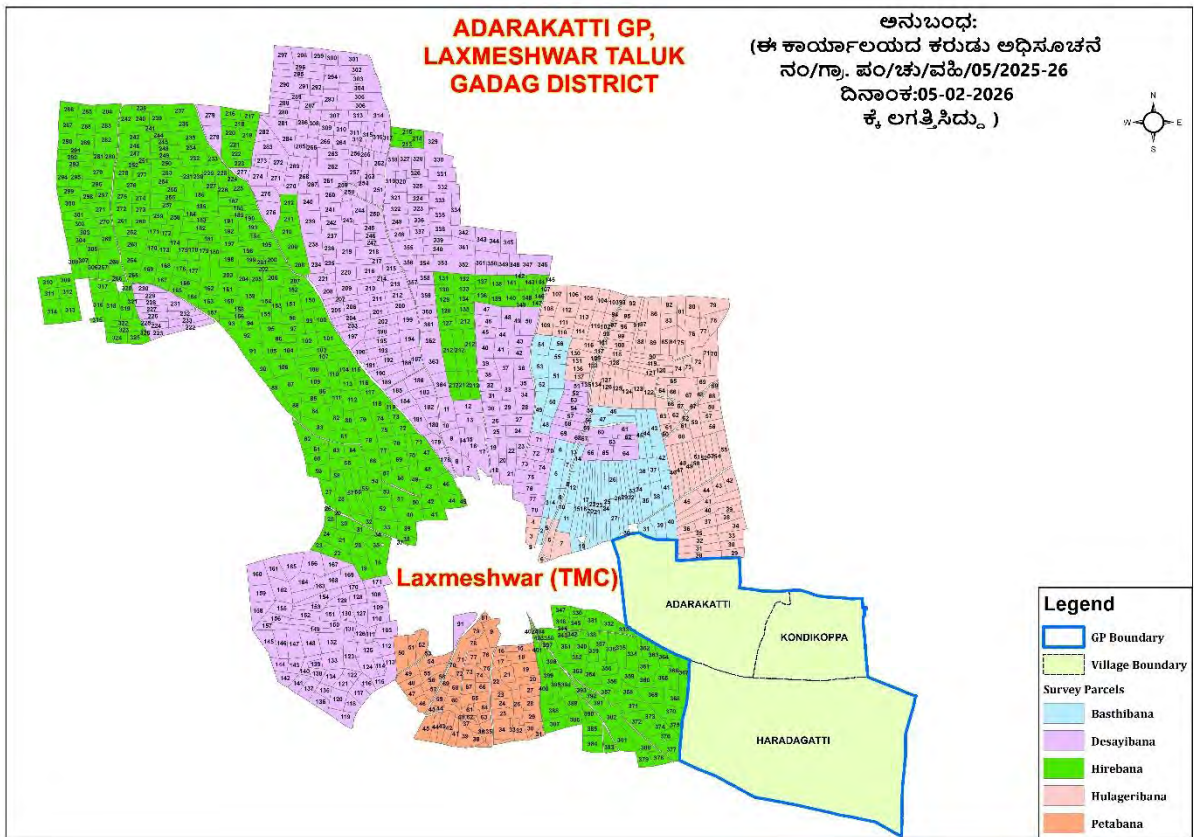
**Map 1: Location map of Baradur Village, Mundaragi Taluk, Gadag District.**



Activity -4

<b>Title of work</b>	Map Showing Adragatti GP with list of Survey Numbers from Laxmeshwar TMC to be merged with Adragatti GP.
<b>Department Name</b>	Deputy Commissioner office, Gadag
<b>Objectives</b>	For Department purpose
<b>Data Used</b>	GP Boundary, Village Boundary and cadastral boundary
<b>Data Process</b>	Using above mentioned layer map was prepared and provided to department
<b>Type of Data Provided</b>	JPEG

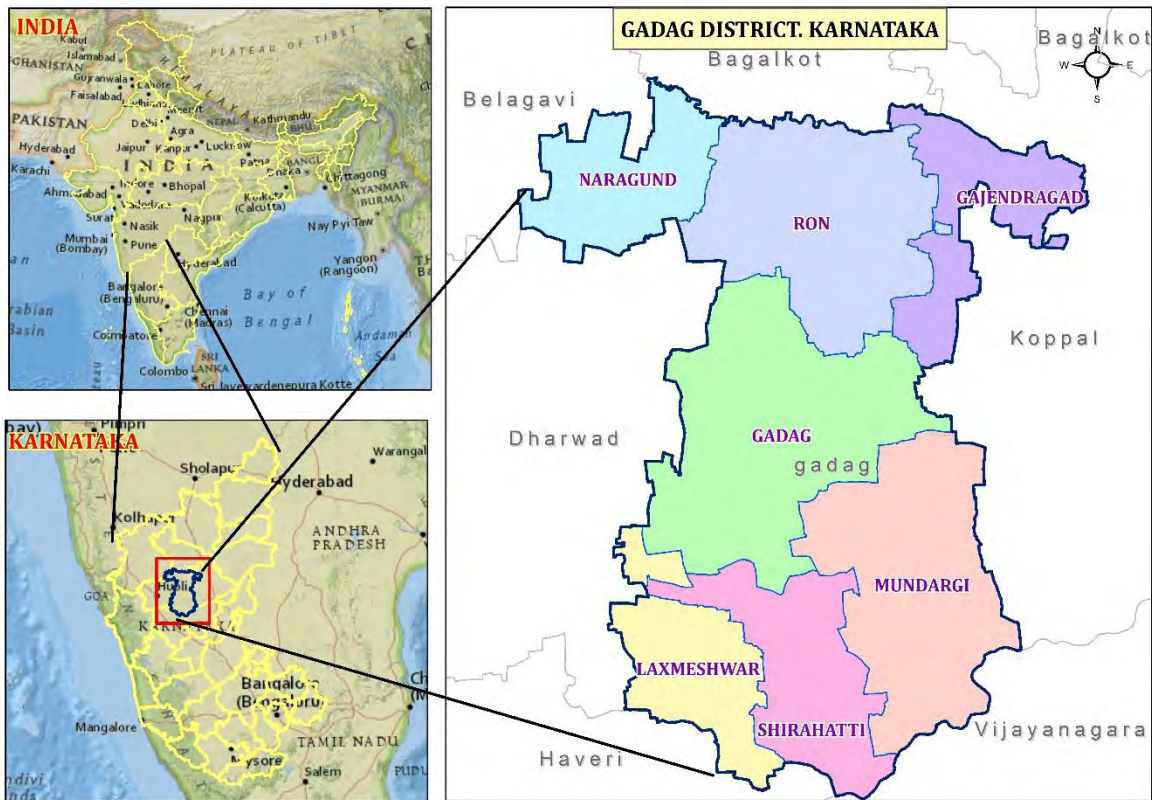
Map 2: Adragatti GP with list of Survey Numbers from Laxmeshwar TMC



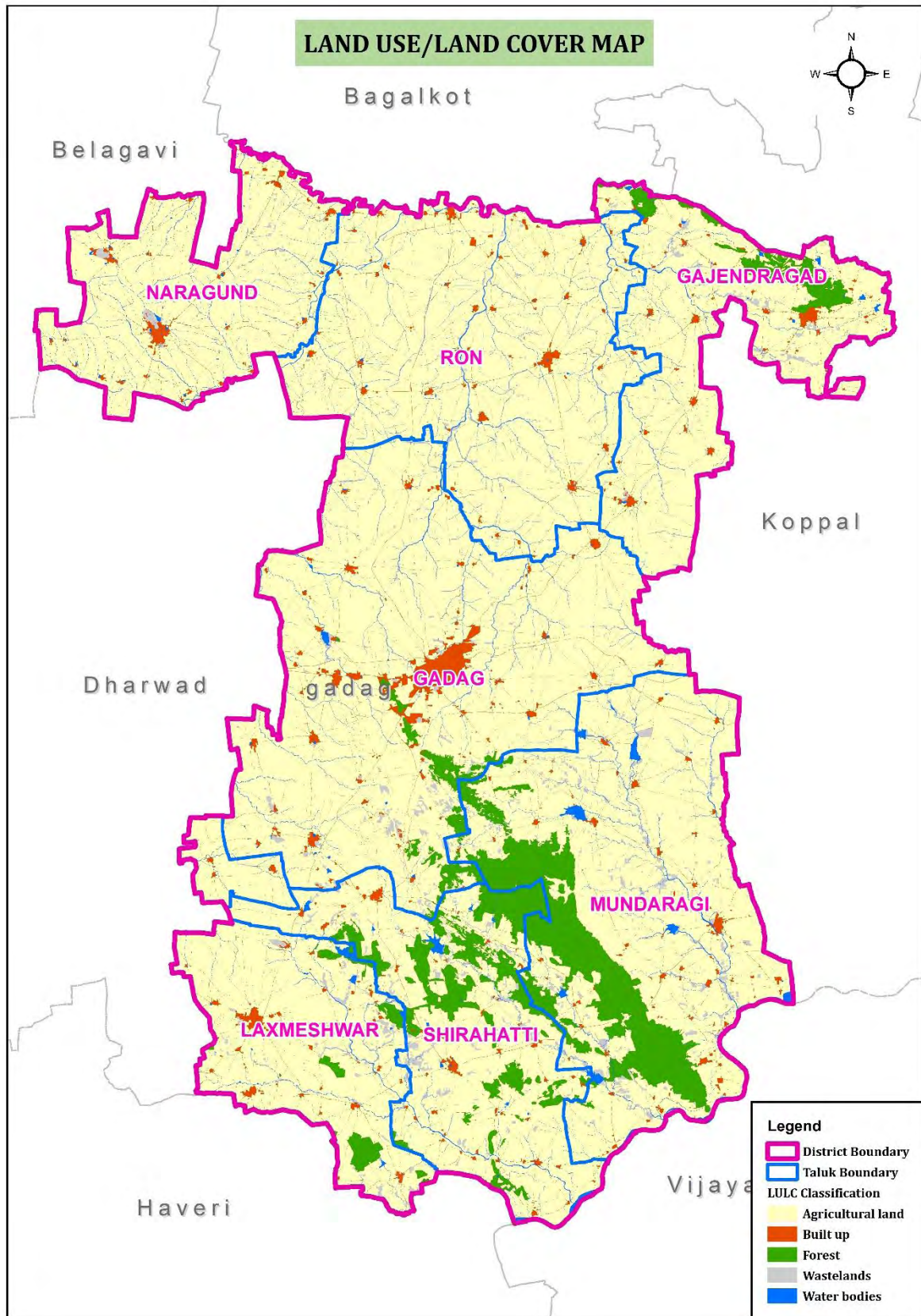
**Activity -5**

<b>Title of work</b>	Prepared and Provided District Location, Soil, LULC, Spatial Distribution of rainfall and Command and Non-Command area Map of Gadag District
<b>Department Name</b>	Chief Planning Officer, ZP Gadag
<b>Objectives</b>	For preparation power point to be pressed at state level program.
<b>Data Used</b>	District Boundary, Taluk Boundary, LULC, Soil and Command and Non-Command area layer.
<b>Data Process</b>	Using above mentioned layer map was prepared and provided to department
<b>Type of Data Provided</b>	JPEG

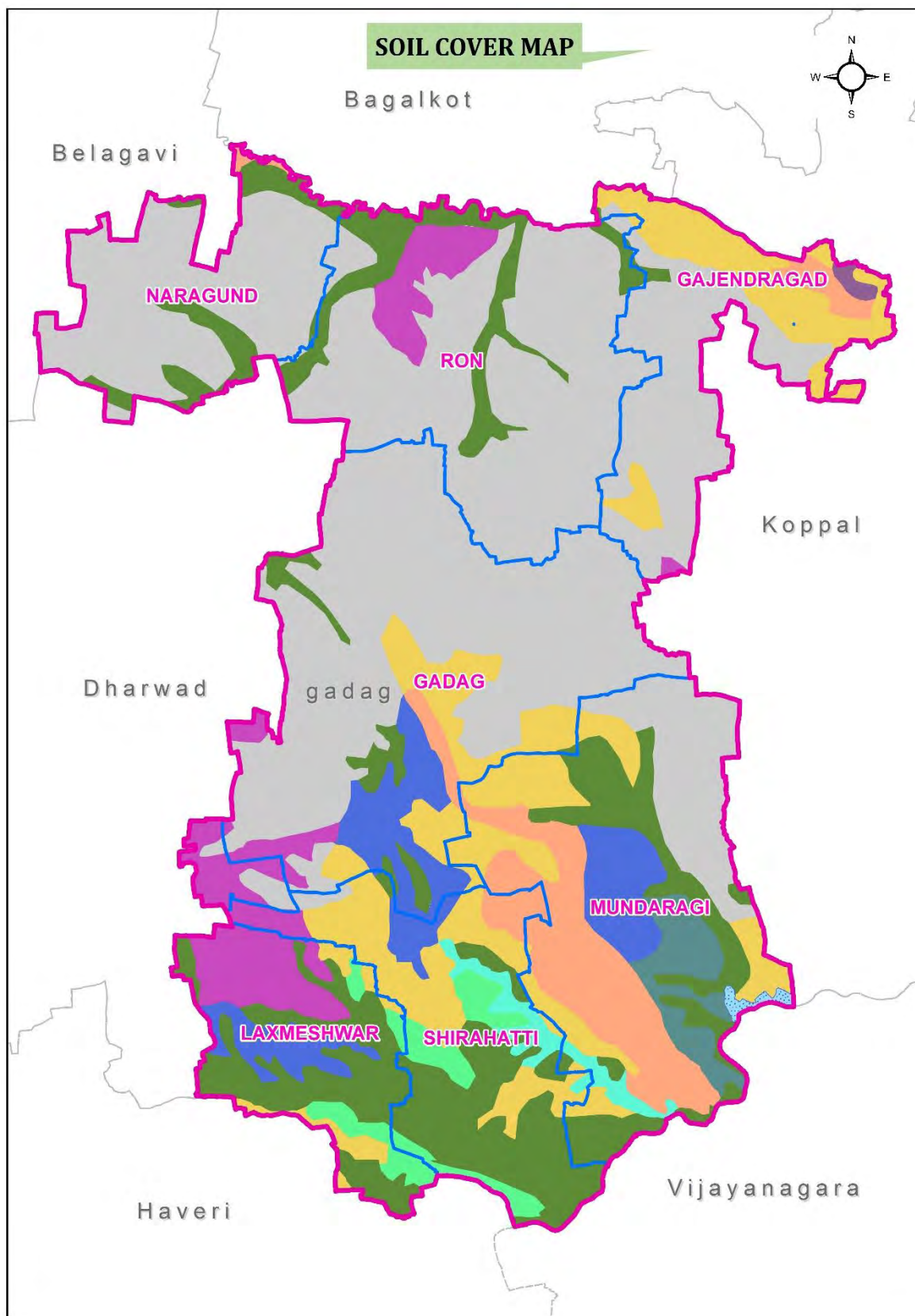
**Map 3: Location Map of Gadag District**



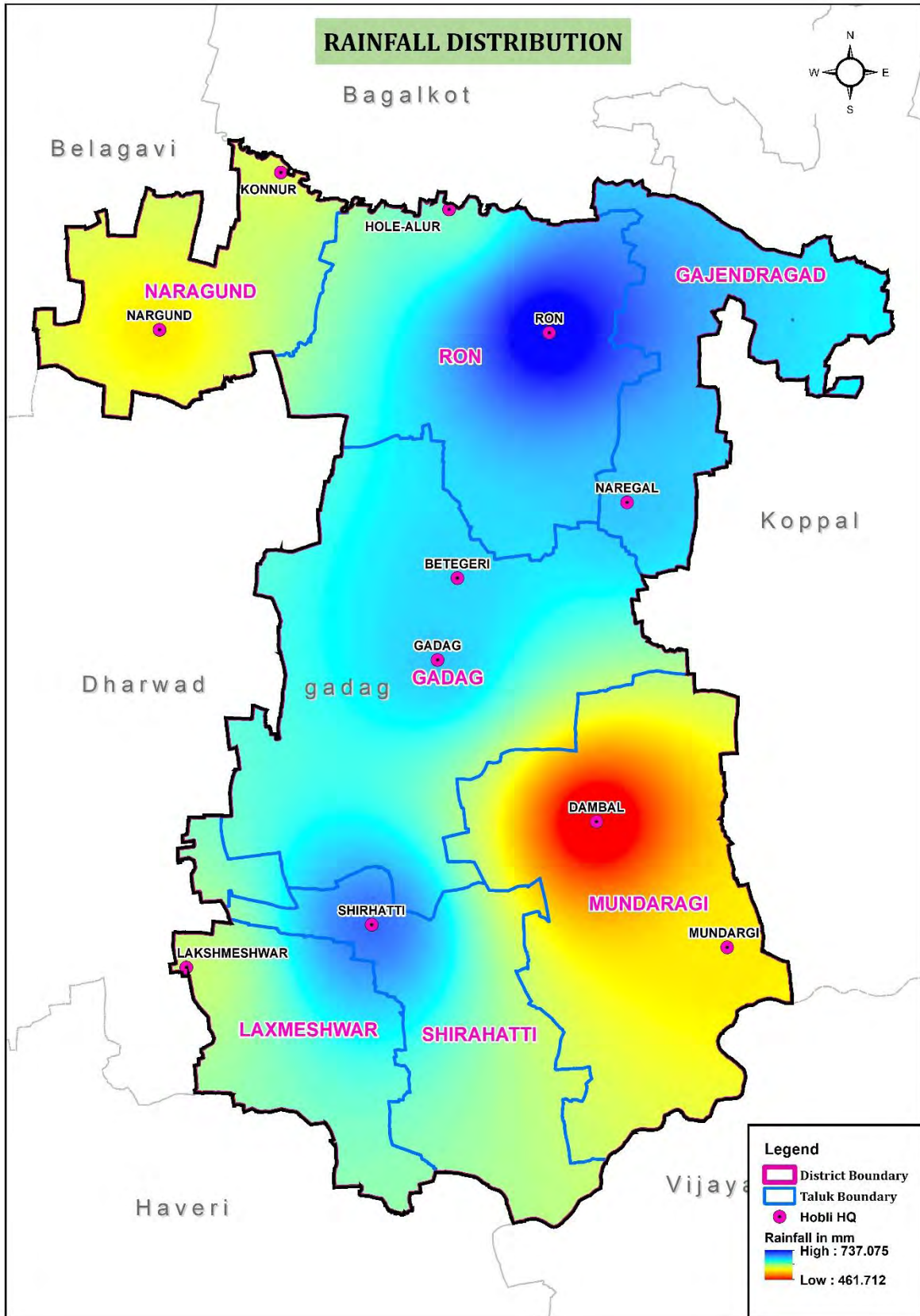
Map 4: Land use/Land Cover Map of Gadag District



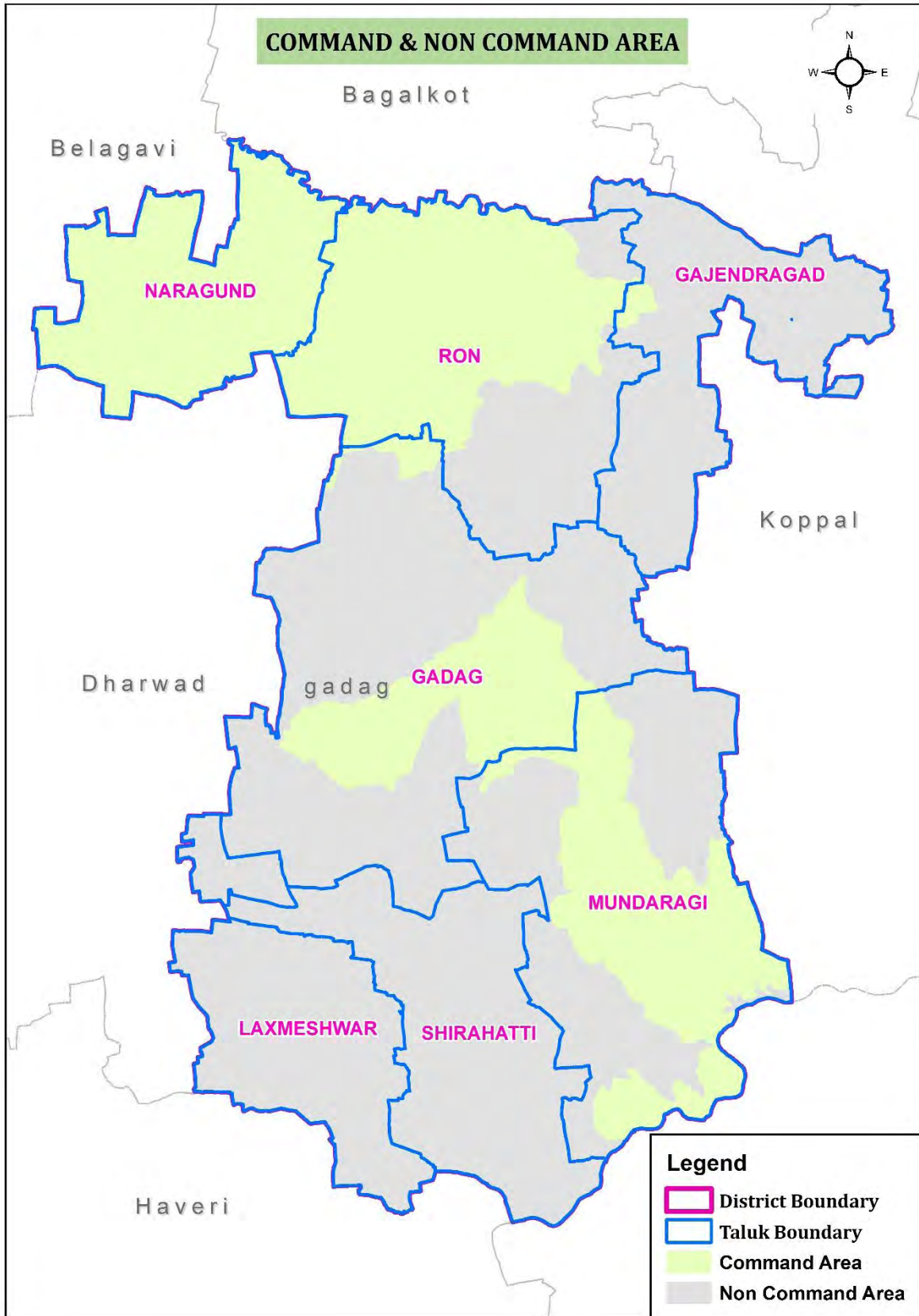
Map 5: Soil Map of Gadag District



**Map 6: Spatial distribution of annual rainfall Map of Gadag District**



**Map 7: Command and non-command area Map of Gadag District**



**2. Training Programmes Attended:**

None

**3. Training Imparted to Line Department:**

None

**4. Science Outreach Activities:**

No Science Outreach Activities were conducted during this period.

**5. Conclusion:**

**A) Summary of Activities Under Take.**

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

**B) Commitment to Improve NRDMS Activities.**

District NRDMS Centre ZP Gadag is committed to provide quality and scientific assistance to department for implementation of developmental activities in district.

District NRDMS center is also committed to update the existing data base as up to date to enhance its performance and to assist the departments.

Centre is also committed to learn and update ourself to latest GEO SPATIAL technology and other software to improve our efficiency.

## **6. Annexures:**

### **List of Tables:**

**Table 1:** Taluk Wise, GP Wise Availability of Tanks

**Table 2:** Gadag Taluk GP Wise Availability of Tanks

**Table 3:** Taluk Wise, Village Wise Watershed Details

### **List of Maps:**

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**Map 2:** Adragatti GP with list of Survey Numbers from Laxmeshwar TMC

**Map 3:** Location Map of Gadag District.

**Map 4:** Land use/Land Cover Map of Gadag District

**Map 5:** Soil Map of Gadag District

**Map 6:** Spatial distribution of annual rainfall Map of Gadag District

**Map 7:** Command and non-command area Map of Gadag District

Date: 25/03/2026

Place: Gadag

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