

109 D. (8) Natural Resources Data Management System (NRDMS) – Karnataka Project

Preamble:

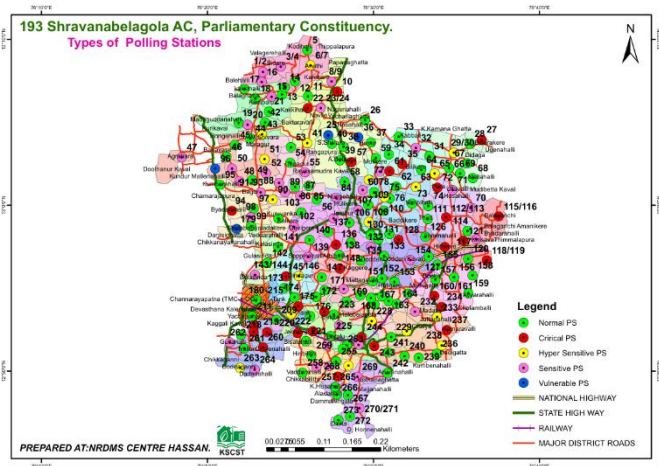
The NRDMS program established during 1992 has been providing geospatial data, information and services for a wide range of uses and have seen steady growth in the requests for both data and services. The NRDMS application domains includes public health, agriculture, education, environmental analysis and mapping, transportation, water quality/quantity, watersheds, elections, disaster planning and management, administration & planning

Objectives:

- To develop, demonstrate methods/techniques and tools for operationalizing the concept of "Decentralized (Local level) Planning" using geospatial technologies.
- To provide value added information for district level planning using geospatial database.
- Interaction through workshops with line department officials and stakeholders at multi-level to assess their information needs in implementing the schemes and capacity building. To develop local specific applications using GIS tools
- To create awareness among end-users about the utility of GIS technologies by conducting regular training programs and workshops.
- To establish district NRDMS centers in all the districts to develop database and applications that are relevant to planning and administration.

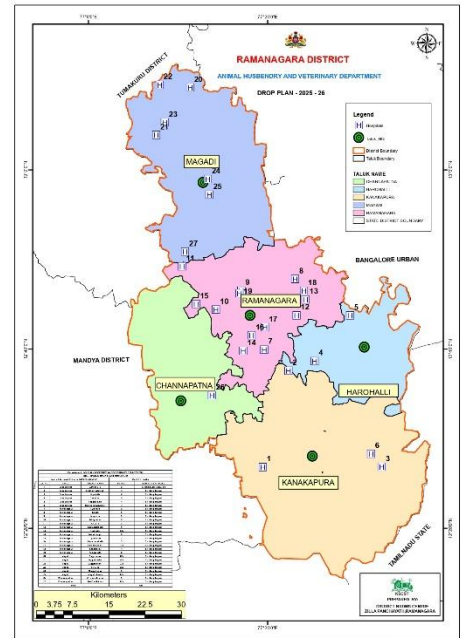
Progress: April – November 2024

- NRDMS centers supported Parliamentary Constituency Election-2024 of Karnataka state to create various analytical maps relating to the election, including polling station locations, Criticality of polling stations, vehicle movement, sector officer and flying squad maps, check post location maps, road networks, route maps for movement of polling materials along with polling personnel, facility maps and submitted to district election officer.



- Geospatial action plan has been prepared utilizing Geospatial techniques integrated with non-spatial data to monitor, evaluate and document the physical works taken up by line departments involved in developmental activities as budgeted in the link document for decision making during the preparation of draft action plan for the next financial year.

- Geospatial map showing the work taken up for last five years has been prepared through spatial mapping based on the data provided by the line departments in various sectors such as Health, Agriculture, Education, Panchayat Raj, Forest, Horticulture, Animal Husbandry & Veterinary Science, Women and Child Welfare, Backward Class and Minority Department etc.



- All NRDMS centers have prepared the map of location of all the PHCs with 10 km buffer and have given recommendation for locating new PHCs based on the Government of Karnataka guidelines and the population distribution within the district.

- On account of International Democracy Day human chain procession was arranged for creating awareness among the public by the social welfare department, all district NRDMS have given the route map for the same for maximum coverage with minimal time for entire state covering all 31 districts, 238 taluks.

- Conducted review meeting, orientation program on S&T activities of KSCST, capacity building training programme on various new technologies for district NRDMS officials

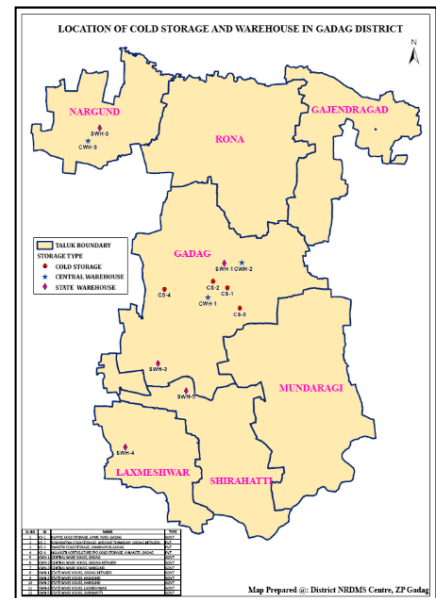
- during 29th July to 02nd August 2024 at KSCST, Bengaluru and Survey of India, Koramanagla.

- NRDMS officials coordinating many districts centric programs including Jal Sanjivani, Jal Jeevan, Disaster Management of Karnataka by providing training and capacity building GP functionaries.

- District NRDMS officials prepared action plans for NRM and NON-NRM works for NREGA programme by providing the .KML files and prioritisation of works based on the ridge to valley concept.

- Extended support to the programme Jalamrutha and Amrit Sarovar for construction of water conservation structures and rejuvenation of tanks.

- District NRDMS officials have prepared the location of existing Cold Storage & godowns in the district and based on the guidelines and demand selected new Locations for establishing the new cold storage and godowns for agriculture, aquaculture and fruits.



- Prioritization of villages providing per capita drinking water supply (LPCD), multi-village drinking water scheme, location of borewells, water quality and quantity maps are submitted to Rural Drinking Water and Sanitation department.
- Continuous support to Panchayath Raj Institutions, Urban local bodies Zilla Panchayaths, district administrators and line departments using seamless GIS ready spatial data, information and services on daily basis.
- NRDMS officials have prepared the map showing distribution of Epidemic Diseases in districts to the Health and Family Welfare Department for Preparation of Report for submitting to Government.
- Analytical maps of possible flood-prone habitations and coordination with NDRF team and Natural Disaster Management System during disasters such as flood and landslides.
- Periodically submitting Interim Data Sharing Framework (IDFS) report to DST, GoI



Review meeting and orientation programs for district NRDMS officials 29th July to 02nd August 2024

Executive Committee: For Information