<https://bhuvan-app1.nrsc.gov.in/pdmc/>

Title:**Geo-tagging of Assets created under Per Drop More Crop (PDMC) component of PMKSY using Geospatial Technologies**

Navigation:

Home: The central hub provides an overview of the portal, user login options (citizen or authorized officer), and access to important tools and resources.

Field Data Viewer: This interactive map interface allows users to:

Visualize assets: Filter and view the location of micro-irrigation structures (check dams, farm ponds, borewells, etc.) and other interventions undertaken under PDMC across India.

Map layers: Overlay various thematic layers like satellite imagery, administrative boundaries, water bodies, and infrastructure.

Details on hover: Clicking on an asset reveals its type, location coordinates, date of creation, implementing agency, and photos/info if available.

Download data: Export asset data in Excel format for further analysis.

Profile: Authorized officers can access their profile management and data submission section.

Dashboard: Offers summary statistics on the number of assets created, funding allocated, and scheme coverage across various states and districts.

Tools: Provides additional functionalities like measuring distances and areas, adding user-defined layers, and navigating the map.

Resources: A library of documents and manuals related to Bhuvan PDMC, user guidelines, and FAQs.

Discussion Forum: A platform for authorized officers to interact and discuss technical aspects of data collection and scheme implementation.

Mobile App (Bhuvan PDMC APK):

Designed for field officers responsible for data collection.

Allows capturing GPS coordinates and basic information about newly created PDMC assets.

Uploads captured data to the Bhuvan PDMC website for centralized storage and analysis.

Benefits of Bhuvan PDMC:

Transparency and accountability: Provides real-time information on asset location and utilization, ensuring transparency in scheme implementation.

Improved monitoring and evaluation: Facilitates tracking progress, identifying gaps, and evaluating the effectiveness of the PMKSY-PDMC scheme.

Data-driven decision making: Aids in planning future interventions, allocating resources efficiently, and targeting areas with the greatest need for improvements in water management.

Enhanced coordination: Fosters communication and collaboration between implementing agencies and stakeholders.

Challenges and Future Possibilities:

Data accuracy and completeness: Ensuring consistent and reliable data entry by field officers remains a crucial challenge.

Offline functionality: Expanding app capabilities to work offline in areas with limited internet connectivity would improve data collection efficiency.

Advanced analytics: Integrating advanced geospatial analysis tools can unlock deeper insights from the collected data.

Overall, Bhuvan PDMC plays a vital role in the successful implementation and monitoring of the PMKSY-PDMC scheme. Its potential to revolutionize water management in Indian agriculture through data-driven decision making and transparency is immense.