

Composite Land Assessment & Restoration Tool (CLART) receives the Vodafone Mobile for Good Awards 2016



HOW DOES CLART HELP RURAL COMMUNITIES?

Almost 60% of Mahatma Gandhi National Rural Employment Guarantee Act's (MGNREGA) annual INR 40,000+ crore budget is earmarked for employment and livelihood asset creation, mostly restoration of Common land and water resources. However, local conditions such as geology, lithology, land use land cover is not taken into consideration. CLART is a geographic information system (GIS) tool that enables rural communities access data available in the public domain for improved conservation planning and natural resource management.

Salient Features of CLART



- Provides **location and context specific data** to rural communities, improving planning and decision-making by 70-80%.
- Suggests context-specific soil and water conservation structures and helps **design, measure and prepare budgets** for them.
- Generates **color-coded maps** that are easily understood by semi-literate and illiterate users.
- Works well in rural areas with no internet as it **uses GPS** to pinpoint location, and color-coded maps help the user identify the optimum soil and water conservation measures for the location.
- Is an open-source tool loaded on **android devices**.

CLART is part of the larger India Observatory initiative that aims to democratize and disseminate useful information, enriched with tools like Crop Water Budgeting Tool, Social Security Schemes, Field Data Kit.

CLART is supported by

