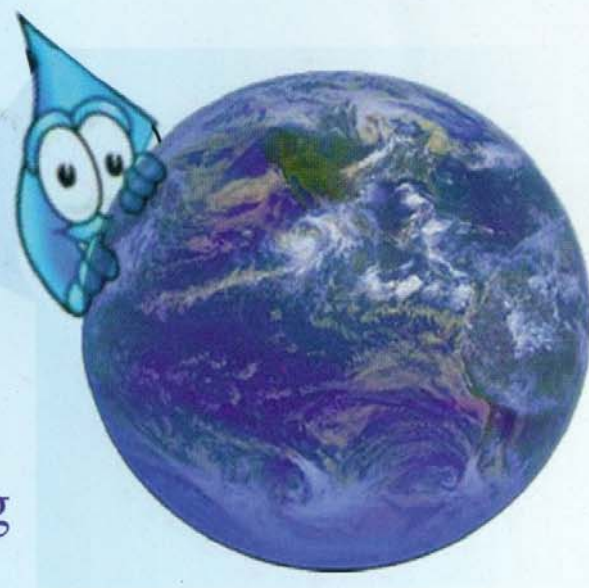




Drinking Water & Sanitation Information System

neerjaal.org

Neerjaal is India's first attempt to bring forth community participative hard facts about drinking water information and sanitation issues.



💧 *1st Village-based water data and information interactive System*

💧 *Complete Drinking Water and Sanitation status at the village level*

💧 *Immediate Recall*

💧 *Web-based; Transparent; Open & Simple to access*

💧 *Community participation in water table data collection, feeding and uploading*

💧 *A complete bottom up water content and information management system*

Philosophy

Among the gifts of nature for survival, water is one of the critical component, the homo-sapians are facing. Majority of the issues and concerns around water are because of the Information, communication and knowledge gap.

Neerjaal brings forth the fusion of modern water technology with the Information Communication Technology (ICT) benefiting the communities at grassroots through WEB, GIS, MOBILE as medium.



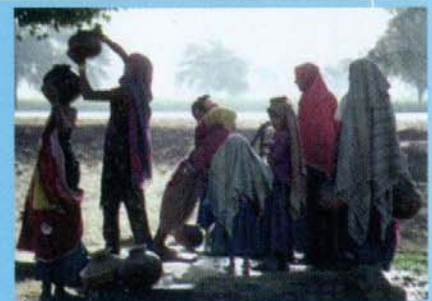
What is Neerjaal (The Water Web)

- Neerjaal is a Web based interactive repository of information on drinking water, its source, availability, quality and quantity, and various ways of preservation and usage; several solutions for drinking water usage and linkages – exclusively catering to the needs of communities;
- It is a drinking water resources data management system in major Indian languages with a participatory intervention to generate reports & analysis;
- Neerjaal can provide information on water availability, water usage and predictions for future requirements. Sanitation content is complementing information on Neerjaal;
- Neerjaal is a critical mechanism to raise alarm about water scarcity; and issues and drinking water;

Facilitating Water Resource Management

The Neerjaal application is presently made applicable for three basic water resource structures available in the rural areas i.e. Handpump, Well and Tanka (Rain Water Harvesting Reservoir).

- To know whether the quality of water resource is portable or not
- To know the water levels to meet the demand for domestic and livestock use
- Facilitating people sharing as well as receiving information on water irrespective of community or region



The Neerjaal membership

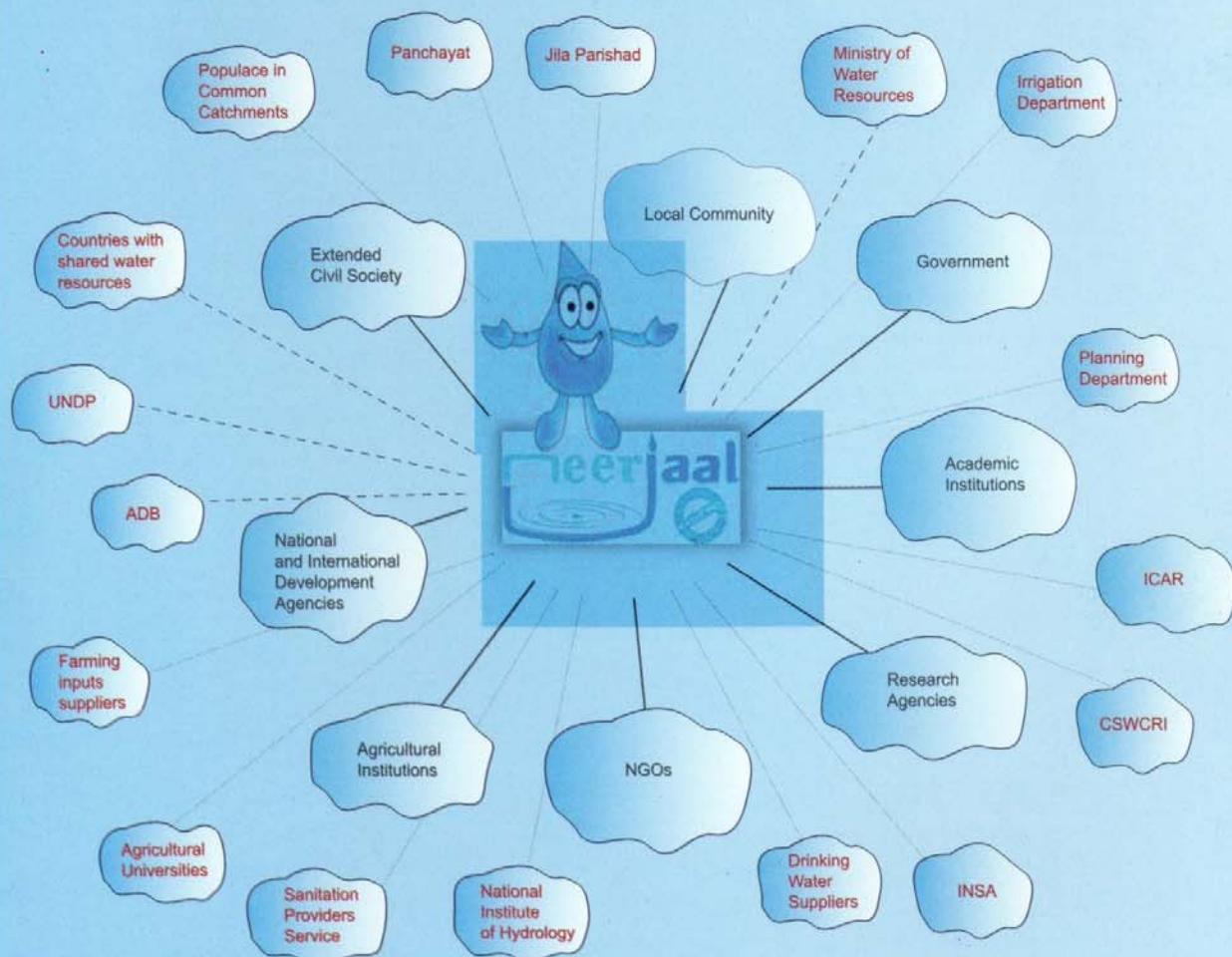
- Registration as visitor/user: Full Access to all the parts of Neerjaal include reports/analyze etc.
- Registration as Resource Person/Community: Besides full access to the entire website the Resource Person/Community would get access to interface for feeding data related his/her village(s)/inhabitation(s)

Note: Registration could be done online as well as offline

Neerjaal Etymology – Partners

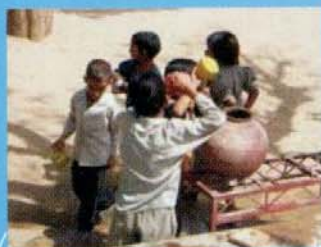
- Neerjaal concept originated at Barefoot College Tilonia, in Rajasthan where they have been collecting information on drinking water for more than two decades. Barefoot College and Global Rainwater Harvesting Collective have also worked on water issues especially drinking water & rainwater harvesting and gathered enough knowledge on the subject.
- DEF partnered with GRWHC & Barefoot College to develop the comprehensive Drinking Water & Sanitation Information System to accumulate & aggregate hard data from the grassroots through community participation.
- Neerjaal is a result of the joint initiative of DEF, GRWHC & BFC.

Neerjaal Stakeholders



Information Process

Village → Community → Training → Data Collection → Testing & Authentication → Data Feeding → Cleaning → Integration with Database & Web



There is no comparable interactive village based system in India



Source of Water

Information on sources of water like Hand-Pump; Well; Tanka (Rain Water Harvesting Reservoir)



Water Quality

Information on quality and quantity of water collected by community and tested by community



Any person at village level can send drinking water data anytime in any language

Features

All Major Languages
Water Quality Report
Water Budget Report
Water Resource Report
Photos
Interactive
Blog
GIS
Any time Anywhere Data entry
Any time Anywhere Data access

What it is not?

- No Secondary Data
- Not a Portal info collected from other websites & links
- Not a centralized data collection system
- Not a Top-Down Information System
- Not a Pilot but an idea for Mass participation in involvement in water resource management

The Road Ahead...

- The upcoming efforts includes bringing up bottom up information and content on water resources across the country and make the collated and localized information web enabled for further usage and dissemination.
- Making Neerjaal applicable more flexible tool and easily modifiable to accommodate the local requirements as per the needs of the local areas.
- Enable Neerjaal as a vibrant web-based multi-lingual information and content platform.

Neerjaal aspires to provide water information from all villages and inhabitation of India through democratic participation and contribution of the people of India.



The Global Rainwater Harvesting Collective

**DIGITAL
EMPOWERMENT
FOUNDATION**

Neerjaal

Digital Empowerment Foundation,
3rd floor, House No. 44, Kalu Sarai
New Delhi-110016, India
Ph: +91 11 26532786 / 87
email: neerjaal@defindia.net
web: www.neerjaal.org