

*Title of Project:*

## **Ground Water Quality Mapping of Chhattisgarh under RGNDWM Phase-IV (Continued from earlier) on 1: 50,000 Scale.**

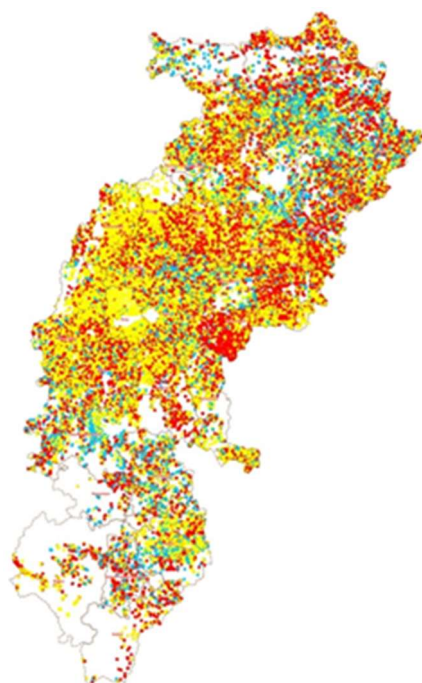
|                                       |   |
|---------------------------------------|---|
| <b>Name of Principal Investigator</b> | Mr. M. K Beg  |
| <b>Scientific Team</b>                | Mr. Amit Prakash Multaniya, Project Scientist<br>Miss Priya (Resigned), Senior Research Fellow<br>Mr. Harish Kumar Sinha (Resigned), Junior Research Fellow |
| <b>Name of Funding Agency</b>         | National Remote Sensing Center (NRSC), Hyderabad under Indian Space Research Organization (ISRO), Govt. of India  |
| <b>Tenure of Project</b>              | October 2012 – March 2019   |

### **Summary of Project:**

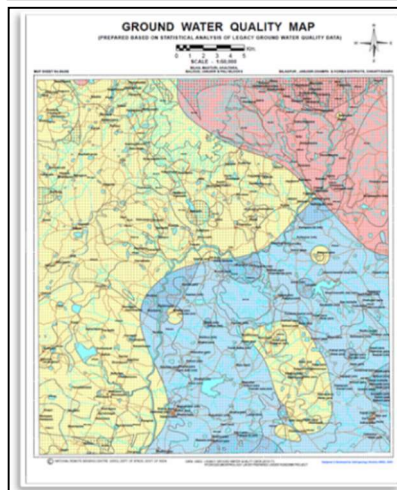
Preparation of ground water quality layer on 1:50,000 scale and mapping the status of ground water quality with respect to its suitability for human consumption at a given point of time. Major activity of the Project are:

- Legacy data collection (Total -2,52,990)
- Water quality analysis by field kits
- Pre and post monsoon wise legacy data organization (Post-46,157 & Pre-47,147)
- G.W.Q layer point data creation
- Interpolation of GWQ Point for entire State
- 202 nos. 4. Ground water quality map corresponding to SoI toposheet on 1:50,000 scale up to habitation level

Element wise and integrated ground water quality maps showing spatial and temporal distribution for 10 elements depicting suitability for human consumption was prepared and submitted to NRSC, Hyderabad.



| LEGEND        |               |
|---------------|---------------|
| Water Quality | Water Quality |
| Very Good     | Very Good     |
| Good          | Good          |
| Fair          | Fair          |
| Poor          | Poor          |
| Very Poor     | Very Poor     |
| Not Suitable  | Not Suitable  |



Ground Water Quality Map 1:50,000