



**Environment**

**Water Community**



## **Solution Exchange for the Water Community Consolidated Reply**

***Query: Resource Lists and Ideas for India Water Portal - Referrals;  
Advice***

**Compiled by [Nitya Jacob](#), Resource Person and [Ramya Gopalan](#), Research Associate  
Issue Date: 18 September 2008**

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**From [Vijay Krishna](#), India Water Portal, Bangalore  
Posted 16 July 2008**

I am Vijay Krishna, manager of India Water Portal, <http://www.indiawaterportal.org>, a website dedicated to water issues. India Water Portal is an open collaborative platform for compiling and sharing knowledge on the water sector and for dialogue. The Water Portal is supported and maintained by Arghyam, <http://www.arghyam.org>, a trust based in Bangalore and focussed on water issues.

The Water Portal frequently receives questions on water problems from NGOs and citizens; to help answer these concerns has implemented a "question-answer service." Many questions that come to us are on water quality, a reflection of the increasing number of water quality issues being seen around the country (for example <http://www.indiawaterportal.org/Network/askq/kb/?CategoryID=14>).

In most cases, the first step in addressing the problem is to get the water tested and find out the specific contaminants. We have therefore seen the need for a comprehensive listing of good water quality testing labs across the country. A beginning has been made here: <http://www.indiawaterportal.org/blog/index.php/2008/05/20/water-testing-labs-information-required/>, but much more information is required.

We therefore request members to provide information on the following:

- Names and contact numbers of known and reputed water quality testing labs from across the country
- Names and contact details of hydrogeologists or firms that will do hydrogeological studies for people to understand the nature of groundwater in their area, usually relating to help with borewells

Other resource lists that the Portal is compiling are as follows:

- Water Quality Field Testing Kits: <http://www.indiawaterportal.org/data/kits/>

We request additions to these resource lists for use by the broader community and public and also welcome any further ideas/recommendations for taking this effort forward.

Such resource listings will help the Water Portal to respond more effectively to people's requests for help, and will be a resource for use for all community members. Coupled with good information on water

quality standards, filtration methods etc., it will empower more citizens to understand their water quality problems, create effective coping strategies and be part of a broader, sustainable solution.

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## Responses were received, with thanks, from

1. [Arunabha Majumder](#), Jadavpur University, Kolkata
2. [Yusuf Kabir](#), United Nations Children's Fund (UNICEF) Consultant, Kolkata
3. [Sajitha Joshy](#), Water and Sanitation Management Organisation (WASMO), Ahmedabad
4. [J. Saravanan](#), Dhan Foundation, Chennai
5. [Vijay Kumar](#), Chartered Environmental and Water Resources Exploration and Development Associates, New Delhi
6. [Sujit G. Kumar](#), Coastal Salinity Prevention Cell, Ahmedabad
7. [P. S. Harikumar](#), Centre for Water Resources Development and Management, Calicut
8. [Georgekutty Joseph](#), Socio Economic Unit Foundation (SEUF), Kerala
9. [Nupur Bose](#), A.N. College, Patna
10. [Anshuman](#), The Energy and Resources Institute (TERI), New Delhi
11. [Dilip Surkar](#), VIKSAT, Ahmedabad
12. [Murali Kochukrishnan](#), AFPRO, Bhubaneswar

*Further contributions are welcome!*

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## [Summary of Responses](#)

### [Related Resources](#)

### [Responses in Full](#)

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## Summary of Responses

Water quality testing is a critical input for maintaining the supply of drinking quality water, but is often overlooked in the rush to supply drinking water. Water has to be checked at multiple places along the supply route as it has been found the maximum contamination takes place inside consumers' households, or in the pipelines; water leaving the treatment plants usually meets national and international standards for chemical and bacterial purity.

In their responses to the query, members provided the names of several organizations across India, some regional and others national, who work on water quality testing. These organizations include NGOs, government laboratories and private companies. Several international organizations and organs of the United Nations are also involved in water quality testing.

The [World Health Organization](#) has compiled a directory of water testing laboratories in India, along with the National Environment Engineering Research Institute, in 2007. (You can access the web page [here](#).)

[The Energy and Resources Institute](#) (TERI) has a team of experts based in Delhi and its other offices working on water quality and hydrogeology. TERI has also developed its own field water quality testing kit. Chartered Environmental & Water Resources Exploration and Development Associates, New Delhi, is a company specialized in hydro-geology.

Members provided details of several water quality laboratories in different parts of India. In Gujarat, the [Vikram Sarabhai Centre for Development Interaction \(VikSat\)](#) in Ahmedabad works on rural water supply and related areas. The [Gujarat Jalsewa Training Institute](#) has developed modules for water quality testing, and also has testing facilities. The institute is a lead implementing agency for the Water and

Sanitation Monitoring Organization, Gujarat. The [Aga Khan Rural Support Programme \(India\)](#) has a full-fledged water-testing laboratory in Surendranagar.

In south India, the [Tamil Nadu Water Supply and Drainage Board](#) has a network of laboratories, while the state pollution control board has another network of laboratories. In Kerala, the [Central Water Analysis Laboratory, Kozhikode](#), is equipped to check both drinking water and industrial effluents. The [Socio Economic Unit Foundation, Allapuzha](#), has a water quality testing laboratory.

In east India, [A N College, Patna](#), Bihar, has an advanced laboratory for testing water quality. [AFPRO](#), Orissa, has both trained personnel and equipment for water quality testing and hydrogeology. It has nine field units all over India.

To conclude, this is a good start in compiling a database of water quality testing laboratories and kits, as well as hydrogeologists in India. However, we request members to continue sending information to IndiaWaterPortal to the link mentioned in the query above. A big thank you to all who responded.

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## Related Resources

### *Recommended Documentation*

**Directory for Drinking Water Quality Test Laboratories** (from [Yusuf Kabir](#), UNICEF Consultant, Kolkata and [Arunabha Majumder](#), Jadavpur University, Kolkata)

Directory; WHO, AIIHPH and NEERI; New Delhi; 2006

<http://www.solutionexchange-un.net.in/environment/cr/res16070801.zip> (Zipped File, Size: 1.3 MB)

*Initiated by WHO, entrusted All India Institute of Hygiene and Public Health and NEERI to prepare the directory which also includes status of water quality testing laboratories*

From [Nitya Jacob](#), Resource Person

### **Rural water quality laboratories making a difference in West Bengal**

Article; by Mr. Anil Gulati; UNICEF; June 2008.

Available at [http://www.unicef.org/india/wes\\_4464.htm](http://www.unicef.org/india/wes_4464.htm)

*UNICEF, the Central Government and the State Government of West Bengal have set up a network of rural water testing laboratories, a model for other states to follow*

### **Technical papers and books**

Listing of papers, publications and books on hydrogeology; by Department of Hydrology, IIT Roorkee. Permission Required: Yes

Available at [http://www.iitr.ac.in/departments/HY/pages/Research+Research\\_Publications.html](http://www.iitr.ac.in/departments/HY/pages/Research+Research_Publications.html)

*These are the publications of the department since 1972 and have to be ordered from the University directly*

### *Recommended Contacts and Experts*

**Dr. A. K. Sengupta, National Project Officer, World Health Organization (WHO), New Delhi** (from [Arunabha Majumder](#), Jadavpur University, Kolkata)

Nirman Bhavan, New Delhi 110011; [senguptaak@searo.who.int](mailto:senguptaak@searo.who.int)

*Recommended for more information on the directory of water quality testing laboratories and their status across the country*

**Vijay Kumar, Geophysicist, Chartered Environmental and Water Resources Exploration and Development Associates, New Delhi** (from [Vijay Kumar](#))

MIG Flat No. 28, Pocket 2, Block E-2, Sector 15, Rohini, New Delhi 110089; Tel: +91-9810311907;  
[vj2001kumar@hotmail.com](mailto:vj2001kumar@hotmail.com); [gargvj@aim.com](mailto:gargvj@aim.com)

*A ground water resources exploration & development expert with diversified experience in water resources development*

From [Nitya Jacob](#), Resource Person

**Dr. P K Naik, Central Ground Water Board, Nagpur** (from Name, Organization, Location)

Central Ground Water Board, New Secretariat Building, 440001 Nagpur, India; Tel: +91-712-2534314;  
Fax: +91-712-2534391; [pnaik@cgwb.org](mailto:pnaik@cgwb.org);

*Mr. Naik works with the CGWB at its Nagpur office and is a leading hydrogeologist of India*

**Dr. D C Singhal, Department of Hydrology, Roorkee**

Department of Hydrology, Indian Institute of Technology, 247667 Roorkee

*Dr Singhal is a faculty of IIT Roorkee's Department of hydrogeology, with interests in groundwater, geophysics, water quality*

### **Recommended Organizations and Programmes**

**Gujarat JalSeva Training Institute (GJTI), Gujarat** (from [Sajitha Joshy](#), Water and Sanitation Management Organisation (WASMO), Ahmedabad)

Gujarat Water Supply & Sewerage Board, Sector 15, Gandhinagar 382015 Gujarat; Tel.: +91-2712-23941-47; Fax: +91-27-1223243; [jmb@hotmail.com](mailto:jmb@hotmail.com); Contact Dr. Marphani

*Recommended for more information on water testing labs in Gujarat*

**Nirmala Water Testing Laboratory (ISO 9001 - 2000 Certified), Gujarat** (from [Sujit G Kumar](#), Coastal Salinity Prevention Cell, Ahmedabad)

C/O-AKRSP(I), Near Raj Sobhag Ashram, Sayla 363430 Gujarat; Tel: +91-2755-280668;  
[sayla@akrspi.org](mailto:sayla@akrspi.org), [nwtlsayla@gmail.com](mailto:nwtlsayla@gmail.com)

*A full fledged water testing lab at Sayla, Surendranagar, Gujarat set up by Aga Khan Rural Support Programme India (AKRSPI)*

**Central Water Analysis Laboratory, Calicut** (from [P. S. Harikumar](#), Centre for Water Resources Development and Management, Calicut)

Centre for Water Resources Development and Management (CWRDM), Calicut (Kozhikode) 673571 Kerala; Tel.: +91-495-2351871; [drpshari@yahoo.co.in](mailto:drpshari@yahoo.co.in); <http://www.cwrmd.org/>

*Takes care of analysis of water and effluent samples and in addition to full fledged water, bacteriological and biological analysis facilities, it has instruments/kits for water tests*

**Socio Economic Unit Foundation (SEUF), Kerala** (from [Georgekutty Joseph](#))

Regional office, Sarvodayapuram Kattur P.O, Alappuzha, Kerala; Tel.: +91-477-2259218; [seuf@sify.com](mailto:seuf@sify.com);  
<http://www.seuf.org>

*An accredited agency of GoK, with a water quality testing lab conducting physical, chemical and bacteriological analysis of water samples, equipped with instruments*

**Department of Environment and Water Management, A.N. College, Patna** (from [Nupur Bose](#), A.N. College, Patna)

<http://www.ancollege.org/index.html>

*Has a state-of-art lab with facility for testing and mapping water quality parameters, with field test kits for preliminary and more precise testing, only multi-functional lab in Bihar*

**Water Laboratory, The Energy and Resources Institute (TERI), New Delhi** (from [Anshuman](#))

Water Resources Policy & Management (WRPM), Water Resources Division, Darbari Seth Block, India Habitat Centre, Lodhi Road, New Delhi 110003; Tel.: +91-11-24682100/41504900; Fax: +91-11-24682144/45; <http://www.solutionexchange-un.net.in/environment/cr/res16070805.pdf> (PDF, Size: 2 MB); Contact Anshuman; Area Convenor; [anshuman@teri.res.in](mailto:anshuman@teri.res.in) or Ashok Jaitly; Director; [ajaitly@teri.res.in](mailto:ajaitly@teri.res.in)

*Full fledged water testing lab with state-of-the-art field sampling and analytical instruments, routinely testing various physical, chemical and bacteriological parameters*

**VIKSAT, Gujarat** (from [Dilip Surkar](#))

Nehru Foundation for Development, Thaltej Tekra, Ahmedabad-380054; Tel.: +91-79-26856220; Fax: +91-79-26862360; [mail@viksat.org](mailto:mail@viksat.org) / [viksat@gmail.com](mailto:viksat@gmail.com); <http://www.viksat.org/>

*Working on issues of water conservation, rural water supply and sanitation, integrated water resource management, rain water harvesting, for several years*

**Action for Food Production (AFPRO), New Delhi & Field Units** (from [Murali Kochukrishnan](#), AFPRO, Bhubaneswar)

25/1-A, Pankha Road, D-Block, Janakpuri, New Delhi 110058; Tel.: +91-11-28525452/28522575/28525412; Fax: +91-11-28520343; [afprodel@afpro.org](mailto:afprodel@afpro.org); <http://www.afpro.org>

*Has specialist staff from Geology, Hydrogeology, Geophysics and Engineering back ground and latest technical equipment for ground water and surface water studies*

**Geotechnical Consulting Services (Pty) Ltd, Gaborone, Botswana** (from [Vijay Kumar](#), Chartered Environmental & Water Resources Exploration and Development Associates, New Delhi)

P.O. Box: 201675, Gaborone, Botswana or Plot 61687, Unit 2, Block 3, Broadhurst Industrial, Botswana; Tel./Fax: +267-313-2967; [cm@info.bw](mailto:cm@info.bw); <http://www.solutionexchange-un.net.in/environment/cr/res16070804.pdf> (Size: 827 KB); Contact Dr. Ravinder or Mr. Aparao

*An NRI group having hydro-geologists/geophysicists from former CGWB, GSI and currently intend to extend services to though their outsourcer in India.*

From [Nitya Jacob](#), Resource Person

**Sandeep Garg & Company, NOIDA**

584, Sector-15, Part-1, Gurgaon, Haryana-122 001, Haryana; Tel: +91-124-4031993; Fax: +91-11-4033584 [sandeep@sgnco.com](mailto:sandeep@sgnco.com); <http://www.sgnco.com/>; Contact Mr. Sandeep Garg; Tel: +91-124-4031993; [sandeep@sgnco.com](mailto:sandeep@sgnco.com)

*The company provides a comprehensive range of water testing servies and environmental analyses*

**Vitro Labs, Hyderabad**

# 2-2-647/A/3, 3rd Floor, Shivam Road, New Nallakunta, Hyderabad – 500 013, Andhra Pradesh; Tel: +91-40-27421389; Fax: +91-40-27423582 [vitolabs@gmail.com](mailto:vitolabs@gmail.com); <http://www.vitolabs.com>; Contact Mr. Narasimha Rao; Tel: +91 9849040012

*This company is an environmental consultancy that also has hydrogeologists on its staff. It has a modern water testing laboratory*

**Centre for Science and Environment, New Delhi**

Pollution Monitoring Laboratory, India Habitat Centre, Core 6A, IV Floor, Lodi Road, New Delhi - 110003; Tel: +91-11-24645334; [http://www.cseindia.org/html/contact\\_us.html](http://www.cseindia.org/html/contact_us.html); Contact Dr. Sapna Johnson

*CSE's laboratory conducts water quality monitoring and can test for a wide range of contaminants in food, water, air, soil and biological materials*

**Development Alternatives, New Delhi**

Andheria More, Mehrauli, New Delhi; Tel: +91-11-26134103; Fax: +91-11-26130817 [tara@devalt.org](mailto:tara@devalt.org);  
<http://www.devalt.org/TEMF.htm>

*This laboratory can test the quality of water (including waste water), and is recognised by Delhi Pollution Control Board to enable industries to check the quality of their effluents*

### **People's Science Institute, Dehradun**

252, Vasant Vihar, Phase-I, Dehra Doon - 248 006, Uttarakhand Tel: +91-135-2773849, 2763649; Fax: +91-135-2760334; [psidoon@gmail.com](mailto:psidoon@gmail.com); <http://www.peoplescienceinstitute.com>

*PSI's laboratory can test for pesticides, heavy metals and other contaminants in water. The organization has also mobilised citizens' campaigns on water pollution*

### **Central Ground Water Board, New Delhi**

NH-IV, Bhujal Bhawan, Faridabad - 121001, Haryana; Tel: +91-129-2419075; Fax: +91-129-2412524; [chmn-cgwb@nic.in](mailto:chmn-cgwb@nic.in); <http://www.cgwb.nic.in>

*CGWB is the national authority for macro-level hydrogeological investigations, deep drilling and remote sensing to study subsurface hydrogeological water resources*

### **Hazards Centre, New Delhi**

92-H 3rd floor, Pratap Market, Munirka, New Delhi 110 067; Tel: +91-11-26187806; [haz\\_cen@vsnl.net](mailto:haz_cen@vsnl.net); <http://www.hazardscentre.org/>

*Hazards Centre has a laboratory to test drinking water from commonly-occurring pathogens and chemical contaminants*

### **National Test House, Kolkata**

National Test House, Block - CP, Sector - V, Salt Lake City, Kolkata - 700 091, West Bengal; Tel: +91-33-23673870; Fax: +91-33-23673868; [dgnth@wb.nic.in](mailto:dgnth@wb.nic.in); <http://www.nth.gov.in/>

*NTH is one of the oldest testing houses in India. This government-run institution tests, among other things, drinking water for a range of contaminants*

### **Ion Exchange in Whitefield, Bangalore**

682, 1st Main (Syndicate Bank Road), 1st Stage, Indira Nagar, Bangalore 560 038; Tel: +91- 80-3989 0909; Fax: +91- 80-2529 5795; [bngcro@ionexchange.co.in](mailto:bngcro@ionexchange.co.in); <http://www.ionindia.com>

*The company produces end-to-end environmental solutions, including water testing and supply systems*

### **Shiva Analyticals India Limited, Bangalore**

Plot No.24 D (p) and 34 D, KIADB Industrial Area, Hoskote, Bangalore, Karnataka; Tel: +91-44-27971322 ; [www.seekandsource.com/shivaanalytical](http://www.seekandsource.com/shivaanalytical); Contact Mr. V K Gupta; Tel: +91 9880106073

*The company's laboratory tests for a variety of parameters on drinking water and other materials*

### **Indian Institute of Technology, Roorkee**

Department of Hydrology, IIT Roorkee, Roorkee-247667, Uttarakhand; [hydro@iitr.ernet.in](mailto:hydro@iitr.ernet.in);  
<http://www.iitr.ac.in/departments/HY/pages/index.html>

*The Department of Hydrology researches hydrogeology in different geological zones of India and has a complement of faculty and researchers*

### **Bhagavathi Ana Labs Limited, Hyderabad**

Bhagavathi Ana Labs Ltd, 1-10-250, Ashok Nagar, Hyderabad-500020, Andhra Pradesh; Tel: +91-40-27634891; Fax: +91-40-27634891; [ab@bhagavathianalabs.com](mailto:ab@bhagavathianalabs.com); <http://www.bhagavathianalabs.com/>;  
Contact Mr. Bh Haribabu; Managing Director; Tel: +91-40-23356908

*Bhagavathi Ana Labs Limited is a professional services company providing environmental consultancy, environmental engineering, analytical and quality testing*

### **Sipra Labs (P) Ltd, Hyderabad**

Space 7, 4th Floor, Nilgiri, Adiya Enclave, Ammerpet, Hyderabad-500038, Andhra Pradesh; Tel: +91-40-23734720; Fax: +91-40-23746871 [sipra@sipralabs.com](mailto:sipra@sipralabs.com); <http://www.sipralabs.com/>; Contact Mr. V. Satyanarayana; Managing Director

*The company has an advanced laboratory for pharmaceuticals testing as well as testing for water quality*

### **Envirocare India Pvt Ltd, Madurai**

Plot No. 43, Second Street, Harvey Nagar, Madurai - 625016, Tamil Nadu; Tel: +91-452-4355103; Fax: +91-452-2611127 [eci@envirocareindia.com](mailto:eci@envirocareindia.com); <http://www.envirocareindia.com/>

*Envirocare offers turnkey environmental solutions including water testing and analysis. It has a team of environmental scientists and engineers*

## **Recommended Portals and Information Bases**

From [J. Saravanan](#), Dhan Foundation, Chennai

### **ISO Certified Water Testing Laboratory, TWAD Board, Chennai**

[http://www.twadboard.gov.in/main\\_public\\_iso.html](http://www.twadboard.gov.in/main_public_iso.html)

*Contains addresses of the labs of Tamil Nadu Water Supply and Drainage Board (TWAD), Government of Tamil Nadu*

### **District Environmental Laboratories, TNPCB, Chennai**

<http://www.tnpcb.gov.in/laboratories.asp?src=district.html>

*Provides contact information of Tamil Nadu Pollution Control Board (TNPCB) laboratories where water is tested for quality parameters*

## **Recommended Tools and Technologies**

### **Drinking Water Testing Kit** (from [Anshuman](#), The Energy and Resources Institute (TERI), New Delhi)

Test Kit; Owned by TERI; Information available at <http://www.solutionexchange-un.net.in/environment/cr/res16070806.pdf> (Size: 2 MB); Contact Anshuman; Area Convenor; [anshuman@teri.res.in](mailto:anshuman@teri.res.in) or Ashok Jaitly; Director; [ajaitly@teri.res.in](mailto:ajaitly@teri.res.in)

*User friendly, informative, compact, low cost, lightweight, designed to conduct physical and semi-quantitative test and planned for use in remote and rural areas*

From [Nitya Jacob](#), Resource Person

### **Jal Tara Portable Water Testing Kits**

Equipment; Owned by Development Alternatives, New Delhi; Information available at <http://www.cleanindia.org/jaltarakit.htm>.

Contact B-32 TARA Crescent, Qutab Institutional Area, New Delhi - 110 0016; +91-11-26134103; [temf@devalt.org](mailto:temf@devalt.org)

*Jal-TARA has been designed for citizens, NGOs, students and public authorities to monitor water quality and protect our scarce fresh water sources from getting polluted*

### **Low cost water quality testing kit**

Equipment; Owned by People's Science Institute, Dehradun; Information available at [http://www.peoplesscienceinstitute.com/activities/eqmg/Brief\\_waterQualityKit.html](http://www.peoplesscienceinstitute.com/activities/eqmg/Brief_waterQualityKit.html). Available for downloading

(<http://www.peoplesscienceinstitute.com/Briefs/Low-Cost%20Water%20Quality%20Testing%20Kits.pdf>; 113 KB)

*PSI's water quality testing kit tests four parameters and can be used by householders. A more comprehensive kit checks for 12 parameters and is for use by organizations*

### ***Related Consolidated Replies***

**Water Purification Technologies for Flood Affected Bihar, from G. Padmanabhan, United Nation Development Programme (UNDP), New Delhi (Experiences; Referrals).** Disaster Management Community and Water Community. Issued 9 September 2008  
Available at <http://www.solutionexchange-un.net.in/drm/cr/cr-se-drm-wes-01090801-fullcr-public.pdf>  
(PDF, Size: 367 KB)

*The query drew responses from a wide range of people on commercial and other technology for water purification that can be used at the household level in disasters*

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### **Responses in Full**

#### **Arunabha Majumder, Jadavpur University, Kolkata**

WHO entrusted All India Institute of Hygiene & Public Health and NEERI to prepare a Directory of drinking water quality testing laboratories in India including the status of water quality testing laboratories. I was associated with the work at AIIH&PH. This was completed in 2006. You may kindly contact Mr A. K. Sengupta <[senguptaak@searo.who.int](mailto:senguptaak@searo.who.int)>, WHO, Nirman Bhavan, New Delhi.

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#### **Yusuf Kabir, United Nations Children's Fund (UNICEF) Consultant, Kolkata**

The following link contains the directory of drinking water quality testing laboratories as mentioned by Prof Majumder – <http://www.solutionexchange-un.net.in/environment/cr/res16070801.zip> (Size: 1.3 MB)

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#### **Sajitha Joshy, Water and Sanitation Management Organisation (WASMO), Ahmedabad**

To know more on testing labs in Gujarat, do call Gujarat JalSeva Training Institute (GJTI) on the following number:

Telephone: +91 27 12 239 41 - 47

Fax: + 91 27 12 232 43

Dr. Marphani of GJTI is quite resourceful.

And for research or any other queries on geohydrology, do contact Mr. R. N. Shukla, a geohydrologist at [rshukla14@gmail.com](mailto:rshukla14@gmail.com)

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#### **J. Saravanan, Dhan Foundation, Chennai**

Check the following link [http://www.twadboard.gov.in/main\\_public\\_iso.html](http://www.twadboard.gov.in/main_public_iso.html). It contains addresses of the labs of Tamil Nadu Water Supply and Drainage Board, Government of Tamil Nadu.

Also check <http://www.tnpcb.gov.in/laboratories.asp?src=district.html> which gives the TNPCC laboratories where water is tested.

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#### **Vijay Kumar, Chartered Environmental and Water Resources Exploration and Development Associates, New Delhi**



Thanks for giving opportunity to serve community on water resources exploration and development.

Following are one of few group of hydro-geologists or firms that are having finest experienced and will do hydro-geological studies for people to understand the nature of groundwater in their area, usually relating to help with bore wells and recharging of ground water sources.

## 1. Vijay Kumar

Chartered Environmental & Water Resources Exploration and Development Geophysicist, am a ground water resources exploration & development expert and have diversified [over three decade] experience in water resources development. I had coordinated / supervised a multi-disciplinary team of experts on water resources development as principal consultant. Refer below links more about his services.

<http://www.solutionexchange-un.net.in/environment/cr/res16070802.pdf> (Size: 205 KB)

<http://www.solutionexchange-un.net.in/environment/cr/res16070803.pdf> (Size: 927 KB)

### Profile link:

- a. <http://www.bidnetwork.org/person-60001-en.html>
- b. [http://www.wesnetindia.org/fileadmin/attachments/Resumes/567\\_Vijay\\_kumar.pdf](http://www.wesnetindia.org/fileadmin/attachments/Resumes/567_Vijay_kumar.pdf) (Size: 106 KB)

### Address:

MIG Flat No. 28, Pocket 2,  
Block E-2, Sector 15, Rohini  
Delhi 110 089

Mobile: +91 9810311907

E-Mail ID: [vj2001kumar@hotmail.com](mailto:vj2001kumar@hotmail.com); [gargvj@aim.com](mailto:gargvj@aim.com)

- **Integrated Geotech Service URL:** <http://eco-friendlyindustrialconsultingservices.page.tl/Home-.htm>
- **Geo Technical, Environmental & Water Resources Consulting Services**, listed at **IndiaMART.com URL:** [<http://dir.indiamart.com/cgi/compcatsearch.mp?ss=Geo%20Technical%2C%20Environmental%20%26%20Water%20Resources%20Consulting%20Services&searchfor=comp&modid=DIR>]
- **RWH URL:** <http://www.bidnetwork.org/artefact-70985-en.html>

## 2. Geotechnical Consulting Services (Pty) Ltd, Gaborone, Botswana

### Dr. Ravinder / Mr Aparao,

An NRI group having hydro-geologists / geophysicists from former CGWB, GSI and currently intend to extend services to though their outsourcer in India. Refer below link for more about GCS, Botswana -

<http://www.solutionexchange-un.net.in/environment/cr/res16070804.pdf> (Size: 827 KB)

### Postal Address:

P.O. Box: 201675, Gaborone, Botswana

### Address:

Plot 61687, Unit 2, Block 3, Broadhurst Industrial, Botswana

Tel/Fax: 00267 313 2967

Email ID: [cm@info.bw](mailto:cm@info.bw)

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**Sujit G. Kumar, Coastal Salinity Prevention Cell, Ahmedabad**

AKRSP(I) has set up a full fledged water testing lab at Sayla, Surendranagar, Gujarat. The details are as follows:

Nirmala Water Testing Laboratory (ISO 9001 - 2000 Certified)  
C/O-AKRSP(I), Near Raj Sobhag Ashram, Sayla - 363 430  
Tel.: 02755 - 280 668 / [sayla@akrsp.org](mailto:sayla@akrsp.org) / [nwtlsayla@gmail.com](mailto:nwtlsayla@gmail.com)

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**P. S. Harikumar, Centre for Water Resources Development and Management, Calicut**

There is a laboratory at Calicut, Kerala which takes care of analysis of water and effluent samples. In addition to full fledged water, bacteriological and biological analysis facilities, the lab has instruments like Atomic Absorption Spectrophotometer with Graphite Furnace (M Series Thermo USA), Gas Chromatograph CP 3800 (Varian USA), VA Computrace 797 (Metrohm Switzerland), Ion meter, Sonde multi-parameter analysis kit, Nova (E Merck) , UV Visible spectrophotometer (Hitachi) etc The contact address is given below

Central Water Analysis Laboratory,  
Centre for Water Resources Development and Management (CWRDM)  
Calicut (Kozhikode) 673571 Kerala  
Tel.: 0495 2351871, e-mail: [drpshari@yahoo.co.in](mailto:drpshari@yahoo.co.in); website: <http://www.cwrmd.org/>

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**Georgekutty Joseph, Socio Economic Unit Foundation (SEUF), Kerala**

Socio Economic Unit Foundation (SEUF), an accredited agency of Govt. of Kerala in the water and sanitation sector is having a water quality testing lab. The lab is equipped with instruments like spectrophotometer and conducting physical, chemical and bacteriological analysis of water samples except for heavy metals and pesticides. It is located in the campus of Alappuzha regional office and the address is given below

Socio Economic Unit Foundation  
Regional office  
Sarvodayapuram Kattur P.O  
Alappuzha, Kerala  
Tel.: +91-477-2259218; e-mail: [seuf@sify.com](mailto:seuf@sify.com); website: <http://www.seuf.org>

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**Nupur Bose, A.N. College, Patna**

Department of Environment and Water Management, A.N. College, Patna, has built up a state-of -art lab with facility for testing and mapping water quality parameters. We have Field test kits for preliminary testing, UVS and AAS for confirmatory and more precise testing.

Right now we are testing water, soil, agricultural produce as well as biological samples for testing arsenic and fluoride infiltration. This is the only multi-functional lab in Bihar at present.

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**Anshuman, The Energy and Resources Institute (TERI), New Delhi**

Water related issues specifically on resource availability, quality and governance has been the centre of concern across different hydrogeological regime engulfing the rural and urban populations across India. Recognizing the importance of this valuable natural resource, The Energy and Resources Institute (TERI) has dedicated a team of experts to investigate and provide solutions for water related issues while conducting research in water sector under its Water Resources Division.

The division under the group "Water Resources Policy and Management" (WRPM) (amongst several other focus areas) undertakes hydrogeological and water quality studies besides having a full-fledged Water laboratory that is ISO 9001: 2000 certified and equipped with state-of-the-art instruments. TERI has also developed its own "Water testing field kit" that gives an opportunity to evaluate water quality on the spot, help in decision making for water usage and is beneficial for a wide user group including rural communities, NGOs, students and public authorities.

The links below provide details of water testing field kit & water laboratory at TERI. Any queries and information are welcome at the under mentioned contact details.

<http://www.solutionexchange-un.net.in/environment/cr/res16070805.pdf> (Size: 2 MB)

<http://www.solutionexchange-un.net.in/environment/cr/res16070806.pdf> (Size: 2 MB)

Contact details:

Mr. Ashok Jaitly, Director, Water Resources Division or Mr. Anshuman, Area Convenor, Water Resources Policy and Management, Water Resources Division

The Energy and Resources Institute (TERI), Darbari Seth Block, India Habitat Center, Lodhi Road, New Delhi. 110 003

Mobile: +91-9899809115; Tel.: +91 24682100, +91 41504900, Ext – 2312; Fax: +91 24682144, 24682145; e-mail: [anshuman@teri.res.in](mailto:anshuman@teri.res.in); Website: <http://www.teriin.org>

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### **Dilip Surkar, VIKSAT, Ahmedabad**

You may consider listing 'VIKSAT' as a resource agency on the India Water Portal. VIKSAT has been working on issues of water conservation, rural water supply and sanitation, integrated water resource management, rain water harvesting, for several years. VIKSAT has its head office at Ahmedabad and six field offices in Gujarat. More details on its website [www.viksats.org](http://www.viksats.org)

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### **Murali Kochukrishnan, AFPRO, Bhubaneswar**

AFPRO is a pioneer organization working in the field of water resource Development for the past 42 years in INDIA. The organization has good manpower resources and the latest technical equipment for ground water and surface water studies. The specialist staff available is from Geology, Hydrogeology, Geophysics and Engineering Back ground. It has its Head Office at New Delhi and 9 field units all over India. The organization can be visited through the website [www.afpro.org](http://www.afpro.org) for broader understanding.

If any further details are required, please do not hesitate to contact us

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***Many thanks to all who contributed to this query!***

*If you have further information to share on this topic, please send it to Solution Exchange for the Water Community in India at [se-wes@solutionexchange-un.net.in](mailto:se-wes@solutionexchange-un.net.in) with the subject heading "Re: [se-watr] Query: Resource Lists and Ideas for India Water Portal - Referrals; Advice. Additional Reply."*

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