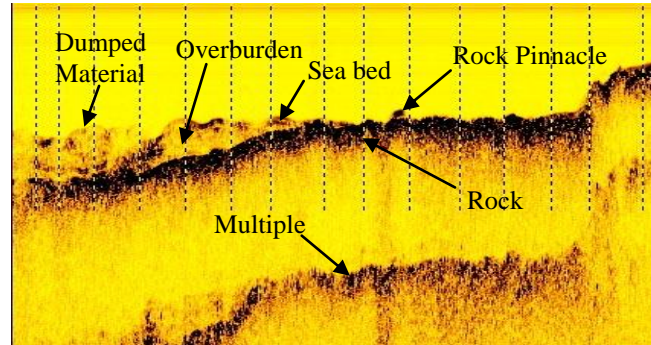


**Geophysical Investigations at
CWPRS, Pune**

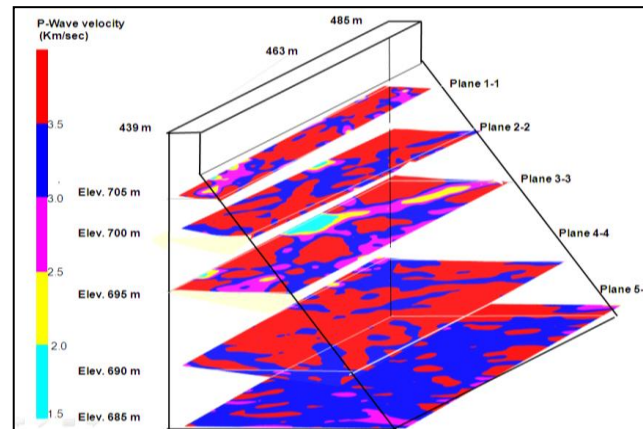
Central Water and Power Research Station (CWPRS), Pune is a premier National Institute offering a wide range of R&D services related to water and energy resources development, water bound transportation and allied subjects. The Geophysics division set-up at CWPRS in 1949, has gained infrastructural facilities, technical training, expanded and diversified its activity into four division viz. Engineering Geophysics, Engineering Seismology, Isotope Hydrology and vibration technology, under the aegis of UNDP program. Today it is capable of solving varied geotechnical problems applying different geophysical methods such as

- Land and Underwater continuous Seismic Refraction
- High Resolution Underwater Seismic Reflection
- Seismic Cross-Hole and Tomography
- Ground Penetrating Radar
- Electrical Resistivity Imaging
- Nuclear and Sonic Borehole Logging
- Tracer technique
- Engineering Seismology
- Controlled blasting

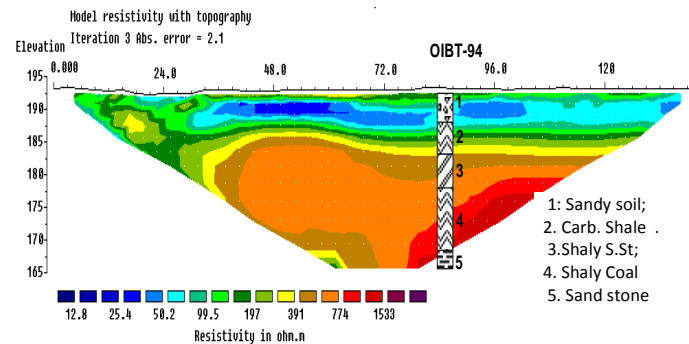
We have been carrying out field studies all over India and neighbouring countries and has helped in engineering design process of civil structures of various nuclear, thermal, coastal, hydroelectric and irrigation projects deploying state-of-art equipment for data collection and latest techniques for data analysis and interpretation.



Chirp Sonar Record



3-D View of Tomograms



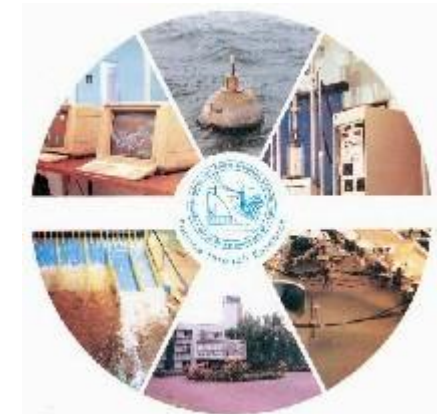
Resistivity Imaging

**Training Course
on**

**GEOPHYSICAL INVESTIGATIONS FOR CIVIL
ENGINEERING, WATER & POWER PROJECTS**

5th -7th September, 2017

PUNE - INDIA



Organized by



**Central Water and Power Research Station,
Khadakwasla, Pune - 411024**

Course Objectives:

Application of geophysical methods needs skilled and experienced personnel to get precise information on subsurface geology and structures. As rightly said, geophysics is a science but its application is an art. Geophysical techniques are, reliable, economical and cover larger volume compared to other direct methods like drilling and trenching. CWPRS has developed facilities and expertise in use of geophysical methods for civil engineering projects in complex geological settings. The course is being organized to disseminate research findings and share the experiences. The aim of the course will be to familiarize the participants with the applications of geophysical methods from alternate site selection to assessing the health of the structures and their monitoring. The objectives include:

- Selection of geophysical method for a given requirement; importance of planning the survey and choosing the interpretation technique
- Integration of the geophysical inferences drawn with the available geological information
- Estimation of shear wave velocities and compressional wave velocities
- Resolution and accuracies achievable with different geophysical methods
- Limitations of various methods
- Hands on experience on the latest geophysical equipments e.g., reflection/refraction seismograph, Ground Penetrating Radar, Resistivity imaging system
- Case studies

Technical Details:

The course will comprise lectures and demonstration by CWPRS Scientists having long professional and applied research experience in the discipline.

Dates and Venue:

The course will be held between 0930 - 1700 hours from 5th -7th September, 2017 at CWPRS, Pune.

Participation:

Course is intended for practicing civil engineers and geologists, professional earth scientists, academicians in Government and private institutions and students.

Registration:

The registration fee for Central/ State Govt., PSU, Colleges etc. is Rs.6000/-, for private Institutions/ Companies the fee is Rs.7500/- and for bona fide students sponsored by colleges and educational institutions the fee is Rs.3000/- only. The Demand Draft towards registration fee may be drawn in the name of Pay & Accounts Officer, CW&PRS, Pune payable at the State Bank of India, Pune-411001, Treasury Branch(Code No. 1904).

Accommodation :

Limited accommodation at nominal cost will be arranged at CWPRS guest house on first come first served payment basis.

For any further enquiry about the course :

Coordinator: Dr. C. Krishnaiah,
Scientist 'D', Mob-9890766223
E-mail: krishnaiah_c@cwprs.gov.in
Co- Coordinator: Shri M.S. Chaudhari,
Scientist 'C', Mob-9850662545
E-mail: mukund.chaudhari@gmail.com
Co- Coordinator: Shri N.V. Deshpande,
Scientist 'C' Mob-9422526646

Address: Central Water & Power Research Station, Khadakwasla R.S., Pune 411024

Phone: 020-24103459, 020-24103481,
020-24103253, 020-24103363,
Fax: 020-24381004
E-mail : geophysics.cwprs@gmail.com
Website : www.cwprs.gov.in

Training Course on

GEOPHYSICAL INVESTIGATIONS FOR CIVIL ENGINEERING, WATER & POWER PROJECTS

5th – 7th September, 2017

Registration Form

Name: _____

Designation: _____

Organization: _____

Mailing Address: _____

Tel: Off _____ Res _____

Mobile No: _____

Fax: _____

E-mail: _____

Enclosed please find DD No. _____

Dated _____ for Rs. _____ drawn
on _____ towards

registration fee

Accommodation required: Yes/No

Signature