



Dam Safety Society
Workshop on
Grouting Technologies for Dam Rehabilitation
19th March 2025 at Hotel Peterhof, Shimla

- 09:00 – 10:00 hrs. Registration**
- 10:00 – 10:10 hrs. Welcome Address**
- 10:10 – 10:50 hrs. Technical Session – 1**
- Grouting procedures in masonry /concrete dams, grouting foundations of earth dams – *Vijay Desai (40 min)*
- 10:50 – 11:20 hrs. Tea/Coffee Break**
- 11:20 – 13:00 hrs. Technical Session – 2**
- Monitoring Techniques of Structural Scanning and Health Assessment through Geophysical Investigations – *Dr. Sanjay Rana (25 min)*
 - Seepage control measures using cementitious grouting of Masonry Gravity Dams – CWPRS Experiences - *Sunil J. Pillai, Scientist C, CWPRS (25 min)*
 - Grouting Materials and its Testing, use – *Milon Mukhopadhyay (25 min)*
 - Dam Rehabilitation – Case Studies – *Manish Kumar, ITD Cementation (25 min)*
- 13:00–14:00 hrs. Lunch Break**
- 14:00 – 15:30 hrs. Technical Session – 3**
- Enhancing Dam Rehabilitation: Leveraging Geophysical Data for Strategic Structural Repairs– *Dr. Sanjay Rana (25 min)*
 - Polyurethane uses in Dams Polyurethane uses in Dams – *GeoConstech (20 min)*
 - Grout materials, mixes and their properties and quality control – *Dr Akanksha Tyagi (25 min)*
 - Precautions in grouting earthen embankments – *Vivek Kapadia (20 min)*
- 15:30 – 16:00 hrs. Tea/Coffee Break**
- 16:00 – 17:00 hrs. Technical Session – 4**
- Issues in Gravity Dams – Diagnosis and Remedial Measures – *Rizwan Ali (20 min)*
 - Strengthening of damaged hydraulic structures by epoxy grouting – Some examples/ Case Studies of underwater grouting in concrete dam.– *Vijay Desai (20 min)*
 - In-situ Mixing Methods: Jet Grouting and Deep Soil Mixing – Application to Barrier Systems - *Akanksha Tyagi (20 min)*
 - Grouting techniques - issues and challenges- case study – *MYK (20 min)*
- 17:20 – 17:45 hrs Question - Answer Session**