



**EGCON 2023**



### Program Schedule

**International Conference on “Sustainable Development of Pumped Storage Hydro Power Projects – Geotechnical Challenges” at Power Management Institute, NTPC, Noida from 20 - 21<sup>st</sup> November, 2023**

Day-2, 21 <sup>st</sup> November, 2023 Venue: Saraswati Auditorium, Power Management Institute (PMI), Sector-16, Noida		
Session-I		
<b>Theme:</b> <ol style="list-style-type: none"><li>1. Geological, Geotechnical Challenges for investigation of Infrastructure/PSPs</li><li>2. Advanced Topographical Survey using Remote Sensing/Drone /GIS for PSPs.</li><li>3. Lift Irrigation Projects for Energy and Water Security.</li><li>4. Execution of Deep Tunnels/Caverns with Special Reference to PSPs</li></ol>		
<b>Timing: 9:30AM -11:30 AM</b> <b>Chair: Shri M Raju, Former Director General, Geological Survey of India.</b> <b>Co-Chair: Sh S, N. Tripathi, RED (Hydro) &amp; ED ( PM) , NTPC.</b>		
Time (IST)	Name of Presenter	Title of Presentation
9:30 - 9:40	<b>Sh. Sandeep Kumar Saini</b> Chief Geologist (DGM) MAX-HES (JV), Pkg-1 R-K Rail Tunnel Project Rishikesh, UK	Geological Challenges and Stability Measures for The Construction of Open And Underground Works (Portal Stabilisation And Tunnel) Under Soil Condition Of Rishikesh-Karanprayag New BG Rail Line Project In Package-01. <b>(EG23-06)</b>
9:40 – 9:50	<b>Sh. Sajal Mittal,</b> Assistant Director, Central Water Commission, Department of Water Resources, Ganga Rejuvenation and River Development, Ministry of Jal Shakti	Sustainable Development of Pumped Storage Hydro Power Projects – Geotechnical Challenges. <b>(EG23-07)</b>
9:50 – 10:00	<b>Sh. Sourav Chakraborty &amp; Sh. Sanghamitra Layek</b> Pumped Storage Project Department, West Bengal State Electricity Distribution Company Limited, Kolkata 700091, West Bengal	Major Challenges for Investigation of Pumped Storage Projects-With Particular Reference To Turga Pumped Storage Project, Purulia District, West Bengal. <b>(EG23-09)</b>
10:00 – 10:10	<b>Ms Vibhu Kaushal and Sh Sanjib Kumar Bhakat</b> Rammam III HE Project, NTPC Ltd., Darjeeling, West Bengal,	Unveiling Geotechnical and Geological Challenges in NTPC's Pumped Storage Projects (PSPs): Preliminary Insights. <b>(EG23-11)</b>

	India.	
10:10 – 10:20	<b>Jaydip Mukherjee</b> Director (Geology) Engineering Geology Division, SU: Odisha, Bhubaneswar	Upper Indravati Pumped Storage Project, Koraput and Kalahandi Districts, Odisha - A Geotechnical Perspective. <b>(EG23-12)</b>
10:20 – 10:30	<b>Sh. Debaprasad Sahoo, Sh Dwaipayan Bhattacharya, Sh. S. Syam Kumar, Sh. Bardan Topno, Sh. Jaydip Mukherjee</b> Geological Survey of India	Geotechnical Appraisal of Mahanadi (Barmul)-Rushikulya-Godavari (Dowlaiswaram) Link Project (M-G Link Project), Nayagarh District, Odisha. <b>(EG23-16)</b>
10:30 – 10:40	<b>Sh. N.G. Bhoir, Sh. A.R. Dhawane</b> Koyna Design Circle Pune, Water Resources Department. Government of Maharashtra	Geological Challenges for Pumped Storage Hydro-Electric Projects in Deccan Traps <b>(EG23-19)</b>
10:30 – 10:40	<b>Sh Bhavesh D. Patil, Sh Sanjay N. Patil, Sh. Ajaykumar K. Kadam, Sh. Nilesh Dr S. Patil</b> School of Environmental and Earth Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon, India-425001	Review Of Geological Challenges for Tunnelling in The Himalayas and Sustainable Development <b>(EG23-20)</b>
10:40 – 10:50	<b>Sh Naveen Kumar Kanyan, Sh Sushil Sharma, Sh Akshay Acharya</b> Geology Department, SJVN Limited, Shimla	Geological Challenges for Pump Storage Projects in Abandoned Coal Mines Situated At Dhanbad And Asansol Area <b>(EG23-21)</b>
10:50 – 11:00	<b>Sh Anirudra Bhattacharya and Sh Raghendra Srivastava</b> <b>Tractebel Engineering Pvt. Limited,</b> Intec House, 37, Institutional Area, Sector-44, Gurugram-122 002, Haryana, India	Addressing Geological and Geotechnical Challenges in An Under Construction Hydropower Project <b>(EG23-31)</b>
11:10 – 11:20	<b>Discussions and Q &amp; A Session</b>	
11:20-11:30	Tea Break	

<b>Session-2</b>		
<b>Theme:</b>		
<ol style="list-style-type: none"> <li>1. Geological, Geotechnical Challenges for investigation of Infrastructure/PSPs</li> <li>2. Identification/Layout/ Planning and Execution of on &amp; off the River PSPs.</li> <li>3. Disasters in Himalayas- A result of climate change or aggressive Infrastructure development</li> </ol>		
<b>Timing: 11:30AM -13:00 PM</b>		
<b>Chair: Shri S.K. Tripathi, ADG (Retd.), GSI.</b>		
<b>Co-Chair: Dr Harish Bahuguna, Dy DG, GSI</b>		
Time (IST)	Name of Presenter	Title of Presentation
11:30 - 11:40	<b>Sh N.R. Bhattacharjee, Sh Mahesh Kumar S, Sh B. Ajaya Kumar.</b> Geological Survey of India, Chennai-600032, India.	Pumped Storage Projects: Site Selection challenges and strategies in India <b>(EG23-41)</b>

11:40 – 11:50	<b>Sh Asrar Ahmed, Sh A Jeyabal, Sh S Bhattacharjee, Sh NR Aravind, Sh K Ajaya kumar B</b> Geological Survey of India, Chennai-600032, India. And Kolkata	Construction Stage Geotechnical Investigations for The Design of The Proposed Alignment of Diversion Tunnel Connection <b>(EG23-42)</b>
11:50 – 12:00	<b>Sh. Mohsin Noor</b> Department of Geology and Mining, 4 <sup>th</sup> floor Sanat Ghar Bemina Srinagar 190018.	A note on the landslide along the Thajal - Churanda-Batgran road Uri, Baramulla, Kashmir, India <b>(EG23-02)</b>
12:00 – 12:10	<b>Sh Tarsam Kumar, Sh Wagh Rajkumar Limbraj, Sh Ajay Kumar</b> Geological Survey of India, NER, SU: Arunachal Pradesh, Itanagar	Geotechnical Appraisals of Chamalwas Landslide Along Jammu-Srinagar National Highway, District Ramban, Ut: Jammu & Kashmir, India <b>(EG23-22)</b>
12:10 – 12:20	<b>Dr Pantha Shankar, Dr Ranjan K. Dahal; Kabita Maharjan, Manita Timilsina</b> Tribhuvan University, Kiritpur, Kathmandu	Rainfall-Induced Roadside Cut Slope Failure Assessment In The Colluvium Soil of The Lesser Himalaya, Central Nepal <b>(EG23-27)</b>
12:30 – 12:40	<b>Badri Bahadur Budhathoki &amp; Moti Lal Rijal</b> Tribhuvan University, Faculty of Science and Technology, Central Department of Geology, Kirtipur, Kathmandu	Geological Vulnerability and Unmanaged Rural Development Leading to Landslide: A Case Study of the Yamarkhu Landslide, Nepal <b>(EG23-35)</b>
12:40 – 12:50	<b>Mandapalli Raju</b> Formerly Director General, Geological Survey of India	A Few Preliminaries of Pumped Storage Hydro Projects <b>(EG23-36)</b>
12:50 – 13:00	<b>Discussions and Q &amp; A Session</b>	
13:00 – 14:00	<b>Lunch Break</b>	

<b>Session-3</b>		
<b>Theme:</b>		
<ol style="list-style-type: none"> <li>1. Seismological and Earthquake Engineering Aspects for PSPs and Infrastructure Projects.</li> <li>2. Advanced Geophysical Techniques in Investigation of PSPs.</li> <li>3. Stabilization &amp; monitoring of project components using Advanced techniques.</li> <li>4. Commercial Aspects of Pumped Storage Projects.</li> </ol>		
<b>Timing: 14:00PM -15:30 PM</b>		
<b>Chair: Dr. Sudesh Kumar Wadhawan, Vice President ISEG, Former DG, GSI.</b>		
<b>Co-Chair: Sh Imran Sayeed, Former Chief General Manager (Geo-Tech), NHPC Ltd</b>		
Time (IST)	Name of Presenter	Title of Presentation
14:00 – 14:10	<b>Ritesh Kumar</b> Assistant Professor, Department of Earthquake Engineering, IIT Roorkee	Stochastic Mapping of Site-Specific Physical Properties Using A Novel Data Assimilated Inversion of Seismic Wavefield For Hydropower Project <b>(EG23-10)</b>

14:10 – 14:20	<b>Harsh Kr Verma, Ashok Kr. Singh, Pushpendra Patel, Rahul Verma, Nikhil Kumar and Chandan Kr</b> CSIR-Central Institute of Mining & Fuel Research, Dhanbad	Engineering Rock Blasting Operations For Construction Of Tunnels With Thin Rockledges In Poor Rockmass <b>(EG23-26)</b>
14:20 – 14:30	<b>Dr. Ranjit K Paswan, Mr. Sourabh Kushwaha, Dr. Gyan P Satyam, Mr. Suraj Kumar, Mr. Ramashankar Yadav, Dr. Murari P Roy</b> CSIR-Central Institute of Mining & Fuel Research, Dhanbad	Optimized Blast Designs and Damage Control on Ongoing Constructions At Navi Mumbai International Airport <b>(EG23-28)</b>
14:30 – 14:40	<b>Sanjeev Regmi and Dr. Ranjan Kumar Dahal</b> Nepal Electricity Authority, Dudhkoshi Jalavidhyut Company Limited, Kathmandu, Nepal	Slope Instability Analysis in Begnas Rupa Pumped Storage Project <b>(EG23-32)</b>
14:40 – 14:50	<b>Ujjwal Krishna Raghubanshi, Ranjan Kumar Dahal</b> Central Department of Geology, Tribhuwan University	Back Analysis of Cut Slope failures along the Bagmati River of Lesser Himalaya of Central Nepal <b>(EG23-33)</b>
14:50 – 15:00	<b>N.K. Mishra, D. Biswas and S. Pal</b> Engineers India Ltd, New Delhi, India.	3D Geological Model Using Leapfrog Works Software – A Better Approach of Presentation of Subsurface Geological Data <b>(EG23-40)</b>
15:00 – 15:10	<b>Mayank Sahu, Pravin Kumar Sharma, Suresh Kumar Bhardwaj, Manoj Kumar and Mohammad Ahmad</b> Geological Survey of India, Western Region, Jaipur	Geotechnical Evaluation of Rockmass Condition at Foundation Level Of Israda Dam Project, Dist, Tonk, Rajasthan: Implication On Specific Treatments of Adverse Geological Features <b>(EG23-17)</b>
15:10 – 15:20	<b>Discussions and Q &amp; A Session</b>	
15:20 – 15:30	Tea Break	

<b>Session-4</b>		
<b>Theme:</b>		
<ol style="list-style-type: none"> <li>1. Mitigation of Multihazards -Mass Wasting and Disaster Risk Reduction.</li> <li>2. Geological/Hydrological/Design/Environmental/Financial Aspects of PSPs.</li> <li>3. Advances in Ground Mass Characterization and Rock mass Classification.</li> <li>4. Introduction of Pumped storage Projects, policy and regulatory Guidelines.</li> </ol>		
<b>Timing: 15:30PM -18:00 PM</b>		
<b>Chair: Mr H. L. Arora, Former Director Technical THDC India Ltd</b>		
<b>Co-Chair: Prof. S. N. Patil, North Maharashtra University, Jalgaon.</b>		
Time (IST)	Name of Presenter	Title of Presentation

15:30 – 15:40	<b>Sudesh Kumar Wadhawan, Balmukund Singh, M. Nitin Kumar and Maneesha Vinodini Ramesh</b> Amrita Centre for Wireless & Applications, School of Engineering, Amrita Vishwa Vidyapeetham, Kerala, India	Causative And Triggering Factors for Multi-Hazards In 2021 In Parts of Kottayam and Idukki District, Kerala, India <b>(EG23-37)</b>
15:40 – 15:50	<b>Mrs Neha Gupta, Dr D.P. Kanunago, Dr Josodhir Das</b> Department of Earthquake Engineering, Indian Institute of Technology Roorkee, 247664, India	Addressing Multi-Hazards: A Conspectus on Mitigation Measures Adopted Worldwide <b>(EG23-29)</b>
15:50 – 16:00	<b>Sangeetham Aji, P S K Murthy, Dhirendra Kumar</b> Central Soil and Materials Research Station, New Delhi	Laboratory Assessment of Granitic Rock from Bundelkhand Region <b>(EG23-03)</b>
16:00 – 16:10	<b>Mohd. Ahmad, Manoj Kumar, P. K. Sharma &amp; Mayank Sahu</b> Geological Survey of India, Western Region, Jaipur, Rajasthan	Geotechnical Investigation for Categorization of Geological Strata/ Lithology Along Integrated Sewerage and Water Supply Pipelines In And Around Pali Town, Pali District, Rajasthan <b>(EG23-18)</b>
16:10 – 16:20	<b>Hemant Joshi, V. K. Jain, Dr. Manish Gupta, Dr. R Chitra</b> Central Soil and Materials Station, New Delhi-11002	Development Of Pumped Storage Projects in India: Status and Associated Risks <b>(EG23-08)</b>
16:20 – 16:30	<b>Sh R. K. Das &amp; Sh Ajay Kumar Verma</b> NHPC Ltd	Pump Storage Project's: Stepping Towards Strengthening Renewal Energy in India <b>(EG23-25)</b>
16:30 – 16:40	<b>Sh N.R. Bhattacharjee., Sh Asrar Ahmed A., Sh B. Ajaya Kumar.,</b> Geological Survey of India, Chennai-600032, India.	Pump Storage Hydropower in India: Policy & Regulatory Initiatives <b>(EG23-43)</b>
16:40 – 16:50	<b>B N S Naveen Kumar, Santosh Kumar, Sunil J Ganvir, Piyush Kumar</b> NHPC Ltd	Pumped Storage an Opportunity And An Alternative To Reduce Carbon Emission <b>(EG23-30)</b>
16:50 – 17:00	<b>M Mir, M Y. Bhat, *Mohsin Noor</b> Department of Geology and Mining, 4 <sup>th</sup> floor Sanat Ghar Bemina Srinagar 190018.	A note on the occurrence of first ever discovered sand fulgurite from the northwest Kashmir Himalayas, India <b>(EG23-04)</b>
17:00 – 17:10	<b>Sahoo, R. N., Rawat, Pankaj, Singh, Saurabh Nayan, Satya Priya</b> NHPC-JPCL	Successful Excavation of HRT In Methane Bearing Coaly Strata - A Case of Rangit-IV HEP, Sikkim <b>(EG23-39)</b>
17:10 – 17:20	<b>Uday Bhanu Chakraborty, Sandeep Dhanote, N. P. Honkanadavar</b>	A Study on Shell Material Selection for The Indravathi Pumped Storage Scheme, Odisha <b>(EG23-15)</b>

	Central Soil and Materials Station, New Delhi-11002	
17:20 – 17:30	<b>Discussions and Q &amp; A Session</b>	
17:30 – 18:00	<b>VALEDICTORY SESSION</b>	

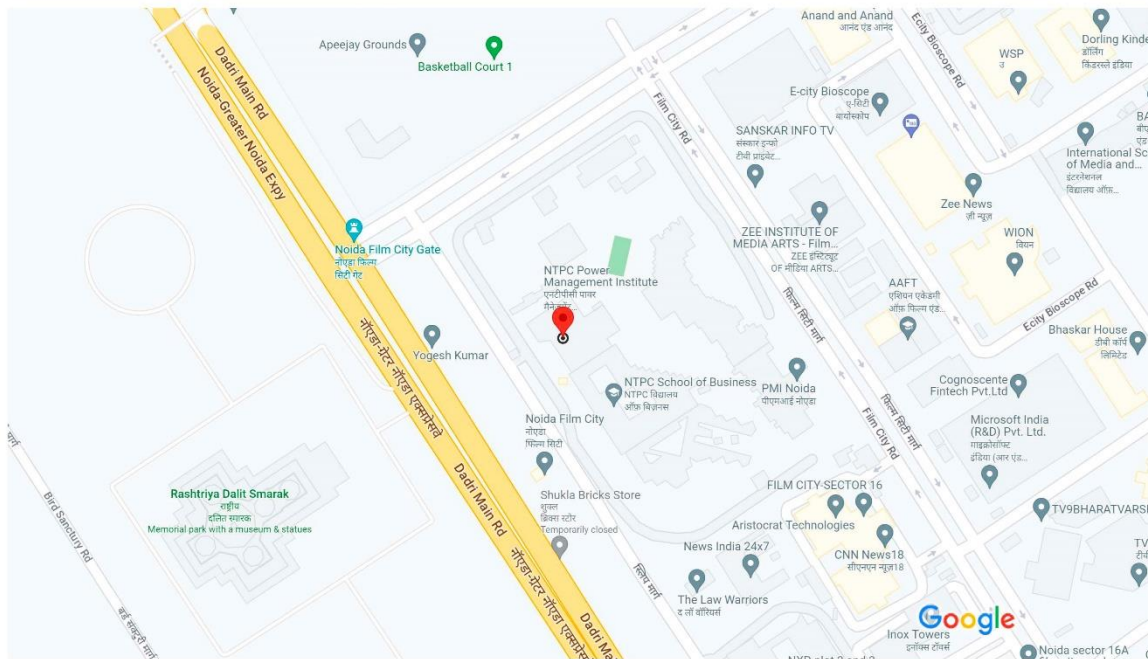
## Venue

Saraswati Hall, Power Management Institute, Film City, Sector-16A, Noida

## Venue Map



Saraswati Hall, Power Management Institute, Film City, Sector-16A Noida



**To get the location scan the QR code below:**

