

EGCON 2017

International Conference On Engineering Geological Solutions for Sustainable Development

Technical Program

Venue : Royal Ballroom, Hotel Eros, Nehru Place, New Delhi

Day 1 (7th October 2017)

Registration	8.30 am to 9.30am	Registration of Delegates	
Inaugural Session	9.30am to 10.30am	60 min	Inauguration Ceremony
High Tea Break	10.30am to 11.00am	30 min	Lounge
Special Session-1	11.00am to 1.00pm	2 hrs	Key Note Lectures (20 min each)
1st Key Note Lecture	11.00am	Shri Narendra Kumar , ED (D&E)/ Shri Keshav Deshmukh , GM(D& E), NHPC <i>Climate Change and Glaciology</i>	
2nd Key Note Lecture	11.20am	Dr. M. R. Bhutiyani , Director, DTRL, DRDO, Delhi <i>Mitigation of landslide in Himalayas: An overview of Early Warning Systems</i>	
3rd Key Note Lecture	11.40am	Prof. K.S. Rao , IIT, Delhi <i>Application of Engineering Geological Techniques for Infrastructural Projects</i>	
4th Key Note Lecture	12.00noon	Shri R.N. Misra , CMD, SJVNL, Shimla <i>Hydropower Development in India- Solutions and way forward</i>	
5th Key Note Lecture	12.20pm	Dr. Gopal Dhawan , CMD, MECL, Nagpur <i>Overcoming Geological Challenges in hydro power projects</i>	
6th Key Note Lecture	12.40pm	Shri M. Raju , Former DG, GSI, Kolkata <i>History and development of Engineering Geology in India</i>	
Lunch Break	1.00pm to 2.00pm	Lounge	
First Technical Session	2.00pm to 3.10pm	70 min	Underground Space Utilization (06 papers @ 10 min for each paper + Q & A slot of 10min at the end of session)
Paper No 1 (ID-05)	Grout Intake Estimate for Underground Works. G. Kannan, S. Pal, A. Nanda and R. Rath		
Paper No 2 (ID-03)	Assessment of Rock Mass of Escape Tunnel -A Case Study from Lift Irrigation Project, Telangana State, India. D. S. Rawat, A.K. Naithani, Rajesh Patel, Prasanna Jain, L.G. Singh and RNS Babu		
Paper No 3 (ID -16)	Interventions for highly permeable tunnel parallel joints in underground storage caverns. Saikat Pal, Gopi Kannan, Ranjit Rath & Atul Nanda		
Paper No 4 (ID- 09)	Successful initial filling of 15 km long 10.50 m dia. head race tunnel of Rampur hydro electric project (412 mw) constructed in Himalayan Geology risks and challenges. Lalit Mohan Verma & Rakesh Sehgal		
Paper No 5 (ID-53)	Different techniques adopted to tackle the Geological adversities during the construction of Rampur Hydro Power station (412 MW) –A case study of Head Race Tunnel. A.K Chadha, Mahesh Dutt, Dr. Uma Kant Sharma, Ajay Kumar		
Paper No 6 (ID-18)	Geologically problematic band and its treatment on upstream wall of large underground surge pool cavern-A case study from lift irrigation scheme-Telangana State, India. R. N. S. Babu, D. S. Rawat, Ravindranath K. and A. K. Naithani		
Tea Break	3.10pm to 3.30pm	20 min	Lounge
Second Technical Session	3.30pm to 5.20pm	110min	Exploration & Testing techniques (10 papers @ 10 min for each paper + Q & A slot of 10min at the end of session)
Paper No 7: (ID-38)	Laboratory assessment of rock - A case study. Sukhdev Singh, P.S.K. Murthy and S. L. Gupta		
Paper No 8: (ID-20)	Shear strength of rock mass - interpretation and analysis Hari Dev		
Paper No 9: (ID-22)	Interpretation of Deformability of Rock Mass at Dam Site of Nyera Amari Hydropower Project in Bhutan. Dr Rajbal Singh & Sanjeev Kumar Garg		
Paper No 10: (ID-40)	Geotechnical assessment regarding feasibility of proposed additional spillway site, Hirakud Dam Project, Sambalpur District, Odisha. Debaprasad Sahoo, Ramesh Chandra Munda, Jaydip Mukherjee and Kaumudi Joshi		
Paper No 11: (ID-35)	Geological investigation on the causes of collapse of irrigation tunnel. A case study from Hulikere, Mandya district, Karnataka. A.V. Ganesha, Prakash Narasimha, K.N. and L. Prasanna Kumar		
Paper No 12: (ID-60)	Investigation of critical Landslides and Design of Remedial Measures on National Highway - 5, Himachal Pradesh. Prasad, P.S. and Kishor Kumar		
Paper No 13 (ID- 33)	Evaluation of geological properties of rock mass of Loktak downstream dam site with emphasis on its groutability. Mainak Ghosh Roy & Imran Sayeed		
Paper No 14 (ID-54)	Prognosis and Treatment of Buried Channels in River Valley Projects – A Geotechnical Perspective. Arindom Chakraborty, Vivek Sharma and Shishir Rath		
Paper No 15 (ID-02)	Generation of Lithological Model using Rock Works Software for Sankra Block Jaisalmer District, Rajasthan Devendra Singh Tanwar and L. N. Sharma		
Paper No 16 (ID-58)	Electrical Resistivity Tomography for coal fire mapping over Jharia coal field, India S. K. Pal, Sahadev Kumar, Abhay Kumar Bharti, Rajwardhan Kumar, Shalivahan and Arindam Guha		

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Day 2 (8th October 2017)

Third Technical Session	9.00am to 10.40pm	100 min	Infra-structural , Ground Water Resource and Engineering Geology of High dams, Seismic Studies and Earthquake Engineering (9 papers @ 10 min for each paper + Q & A slot of 10min at the end of session)
Paper No 17 (ID-45)	Urbanization using GIS: A case study on Jammu city Dr. S.N. Patil and A.V. Deshpande		
Paper No 18 (ID-59)	Groundwater Assessment of Rajghat Dam Reservoir of District Sagar, Madhya Pradesh, India and their health Impact. Abhilasha Chourasia and R.K.Rawat		
Paper No 19 (ID-36)	Assessment of physico-chemical parameters of groundwater quality in Ramanagaram taluk, Karnataka. A.V. Ganesha, C. Krishnaiah, Krishnegowda and S. Suresh		
Paper No 20 (ID-06)	Rain water harvesting plan and design for Mangalayatan university campus, Aligarh, Uttar Pradesh, India. Harit Priyadarshi, Mahesh Kumar, Waseem Ahamad Khan and Rituraj Singh		
Paper No 21 (ID-12)	Engineering Geology for high dams. Sunil Bhardwaj and Vinod Thakur		
Paper No 22 (ID-52)	Instrumentation in Concrete Gravity Dam with Special Reference to Nathpa Dam of SJVN Ltd. B.K. Gupta and A.K. Chadda		
Paper No 23 (ID-13)	Seismic Analysis & Design of Surface Power House, Rampur HEP (412 MW) Lalit Mohan Verma, Raj Kumar Abrol and Manish Chauhan		
Paper No 24 (ID-27)	Site Specific Seismicity Assessment of a Port in India Pranav M. Badrakia., Abhijeet S. Gandage and Rahul A. Joshi		
Paper No 25 (ID-10)	Importance of seismic aspects of underground structures in hydro power projects in Himalayan. Jaswant Singh Kapoor and Revati Raman		
Tea Break	10.40am to 11.10am	30 min	Lounge
Special Session-2	11.10am to 12.50pm	1 hrs 50 min	Key Note Lectures (20 min each)
7th Key Note Lecture	11.10am	Shri Sripad R. Naik , Scientist V, NIRM, Bengaluru <i>Three dimensional numerical modelling techniques for large underground caverns</i>	
8th Key Note Lecture	11.30am	Dr. Hasan Abdullah , Director, CSMRS <i>Recent advancements in laboratory rock mechanic testing for hydro and other infrastructural projects</i>	
9th Key Note Lecture	11.50am	Shri Arvind Kr. Mishra , MD, MHPA, Bhutan <i>Hydropower development in Bhutan</i>	
10th Key Note Lecture	12.10pm	Dr. Saibal Ghosh , Director, GSI, New Delhi <i>Landslide susceptibility mapping in hilly terrain through empirical modelling technique</i>	
11th Key Note Lecture	12.30pm	Shri S.L. Kapil , General Manager, NHPC Ltd. <i>Seismic studies and earthquake engineering techniques for hydropower projects</i>	
Lunch Break	12.50pm to 1.50 pm		Lounge
12th Key Note Lecture	1.50pm	Shri Y. Deva , Head (Geology), ICCS, Noida <i>Geological Surprises: Myths and Realities</i>	
Fourth Technical Session	2.10pm to 3.30 pm	80 min	Slope Stability & Monitoring, Landslide Hazard & ground subsidence (7 papers @ 10 min for each paper + Q & A slot of 10min at the end of session)
Paper No 26 (ID-04)	Landslide Susceptibility zoning for sustainable development: case study from eastern Kumaun Himalaya. Dr. V. K. Sharma		
Paper No 27 (ID-08)	Slope stability assessment of Hathi Parvat landslide along Badrinath route on National highway -58. Vinay Kundu, Dharmendra Kumar, Bhupender Singh		
Paper No 28 (ID-48)	Application of Analytical Hierarchy Process in Decision Support Software for Control Measure (DSSCM) to Mitigate Landslide Risk. Pratik Chaturvedi, Shikha Srivastava and M R Bhutiyan		
Paper No 29 (ID-11)	Geo-engineering solutions for stabilization of cut slopes in the surface power house area of Luhri hydroelectric project stage-I. Sanjeev Gupta, Mukesh Kumar Sharma and Aashish Kaushal		
Paper No 30 (ID-49)	Comparison of Machine-Learning Algorithms to Develop Rainfall based Regional Landslide Prediction Model. Shikha Srivastava, Vaani Sharma, Pratik Chaturvedi and M R Bhutiyan		
Paper No 31 (ID-07)	Slope Stability Assessment of Tambakhani Chute, Part of Varunavat Landslide, Uttarakashi, Uttarakhand, India. Dharmendra Kumar, Asit K Mishra, Vinay Kundu, B.M. Gairola		
Paper No 32 (ID- 55)	Flood Risk Mapping of Dzongu (Sikkim) Landslide Lake: A potential LLOF. Michael Hembrom, Harshika Shrivastava, Ganesh Prusty and M R Bhutiyan		
Tea Break	3.30pm to 4.00pm	30 min	Lounge
Valedictory Session	4.00pm to 5.00pm	60 min	Valedictory Program
ISEG GBM From 5.00 PM onwards			

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List of Poster Presentation

Paper ID	Paper Title	Authors
26	Macro scale (1:50,000) landslide susceptibility mapping in parts of Kullu, Mandi, Chamba, Kangra and Lahaul & Spiti districts of Himachal Pradesh	Kundan Digambar Rangari a, Ravi Shankar b, Manoj Kumar c and Dr. K. Jayabalan d
19	Macro scale (1:50,000) landslide susceptibility mapping in parts, parts of Kullu and Mandi districts, Himachal Pradesh	K. Lakshmanan a, Jina Mandal a, K. Jayabalan b1, and Manoj Kumar b2
24	Macro scale (1:50,000) landslide susceptibility mapping in parts of Mandi, Bilaspur and Solan districts, Himachal Pradesh	Ramesh Kumar, Athira S. G., K. Jayabalan and Manoj Kumar
51	Role of Geotechnical Instrumentation in construction stage of Hydro Project – A Case study (Rampur HPS 412 MW).	A K Chadha , Mahesh Dutt , Ajay Kumar, Sudha Devi and Brejish Badoni