

Abstract Number	Theme	Title of Abstract	Author(s)	Designation	Affiliation	Station	Corresponding Author	Email id of Corresponding Author	Country
1.001	1. Safe and sustainable infrastructure development	Importance of Foundation Geological map of major structures of any Hydroelectric Project - A case study from Himalaya	Indrani Chakraborty	Director	Geological Survey of India	Kolkata	Mr. Indrani Chakraborty	cindrani09@gmail.com	India
1.002	1. Safe and sustainable infrastructure development	Influence of Piles and Neo stresses on underground construction sites	D. S. Subrahmanyam	Director	National Institute of Rock Mechanics	Bangaluru	Dr. D. S. Subrahmanyam	subbu3268@gmail.com	India
1.003	1. Safe and sustainable infrastructure development	Development of cracks and ground subsidence in Chota Raipur village, Parba Medinipur District, West Bengal - a deep concern associated with excessive exploitation of groundwater	K.S Gupta, D. Bhattacharya	Deputy Director General (Retd.)	Geological Survey of India	Kolkata	Mr. K.S Gupta	suryakalyang@gmail.com	India
1.004	1. Safe and sustainable infrastructure development	Occurrences of sub-vertical and sub-horizontal joints detrimental to tunnel stability - A case study from Chhigaldia Irrigation project, Odisha	Debasis Mohanty, Sagor Mohanty	Deputy Director (Geology)	Government of Odisha	Bhubaneswar	Mr. Debasis Mohanty	debasish11@gmail.com	India
1.005	1. Safe and sustainable infrastructure development	Problem of construction of tunnel along a deep cutting reach of Renigall Left Bank Canal Project, Jajpur District, Odisha	Jaydip Mukherjee, R.C.Manda, Dehprasad Sahoo	Director	Geological Survey of India, Eastern Region, State Unit, Odisha, Bhubaneswar.	Jaipur	Mr. Jaydip Mukherjee	jaydip_mukherjee123@yahoo.com	India
1.006	1. Safe and sustainable infrastructure development	Critical wedge identification and their stabilization in underground Tunnel - A case study of Rammam III HEP.	Sanjib Kumar Bhakat, Satish Upadhyay, Rajeev Ranjan and Vibhu Kaushal	Senior Manager (Geology)	NTPC Ltd, Rammam III HEP, Darjeeling, West Bengal	Darjeeling	Mr. Sanjib Kumar Bhakat	skbhakat@ntpc.co.in, bhakat.sk@gmail.com	India
1.007	1. Safe and sustainable infrastructure development	Underground-unfinished Crude Oil Strategic Storage Cores Project, Visakhapatnam, Andhra Pradesh, India - Concept, Construction and Challenges	S. K. Mohanty, Florian Kerns, Oskar Sig	Principal Consultant	L&T Construction Heavy Civil Infrastructure K, Visakhapatnam, Andhra Pradesh, India.	Visakhapatnam	Mr. S. K. Mohanty	swapan-mohanty@lntec.com	India
1.008	1. Safe and sustainable infrastructure development	Geological Risk Mitigation Plans and Strategies for Underground Construction Projects	Narendra Singh Rana, Swapan Kumar Mohanty	Manager, Geology	Larsen and Toubro Limited-Heavy Civil Infrastructure K.	India	Mr. S. K. Mohanty	swapan-mohanty@lntec.com	India
1.009	1. Safe and sustainable infrastructure development	Remediation of acid mine drainage	Neclam Phogat, Sameer Vyasa, U.S.Vishwathi		Central Soil And Materials Research Station	New Delhi	Ms. Neclam Phogat	neclamphogat@yahoo.com	India
1.010	1. Safe and sustainable infrastructure development	Terrain Boundary shear zone and its bearing in Upper Kolab Multipurpose Project, Koraput District, Odisha	Asim Kumar Bara, Jaydip Mukherjee	Director(SO)(retd)	GSI, Bhubaneswar	Bhubaneswar	Mr. Asim Kumar Bara	akh25in@yahoo.com	India
1.011	1. Safe and sustainable infrastructure development	Growing to meet Water Storage and Maintain Hydrodynamic Confinement in Strategic Storage of Crude Oil Project, Padur, Karnataka, India	S. Shashank, Shekhar, Swapan Kumar Mohanty	Manager-Geology	L&T Construction-Heavy Civil Infrastructure K, Visakhapatnam, Andhra Pradesh, India.	Visakhapatnam	Mr. S. Shashank	shashank@lntec.com	India
1.012	1. Safe and sustainable infrastructure development	Review of Quality Control and Design Aspects of Asphaltic Concrete Core in Farheen Rock Fill Dam	Satyajit Roy, V.K Jain, Manish Gupta, R Chitra		Central Soil and Materials Research Station, New Delhi-110016	New Delhi	Mr. Satyajit Roy	satyajitcom@gmail.com	India
1.013	1. Safe and sustainable infrastructure development	Engineering geological evaluation of the large underground surge pool covers of Kachowara III irrigation scheme package-6, Telangana State, India	D S Rawat, A K Naithani, I G Singh, Praanna Jain, R N S Babu, Padma Reddy, P. Allen, Samuel, K Ravindra Nath		National Institute of Rock Mechanics, Bangalore-560070	Bangaluru	Mr. D S Rawat	drawatnirm@gmail.com	India
1.014	1. Safe and sustainable infrastructure development	Stability assessment of tunnel portal excavations in varying rock mass and slope geometry	Koushik Pandit, Shantanu Sarkar, Mohd. Shazam, Pankaj Unvali		CSIR - Central Building Research Institute, Uttarakhand - 247667	Uttarakhand	Mr. Koushik Pandit	koushik@cbri.res.in	India
1.015	1. Safe and sustainable infrastructure development	Overview on engineering geological investigation for power house area of Polavaram Hydroelectric Project (60 x 12 MW), Andhra Pradesh, India	L. G. Singh, A. K. Naithani, Praanna Jain, D.S Rawat		National Institute of Rock Mechanics, Bangalore-560070	Bangaluru	Mr. L. G. Singh	gopson@gmail.com	India
1.016	1. Safe and sustainable infrastructure development	Construction stage engineering geological investigations of the foundation of onsite emergency support centre of Kakrapar atomic power project units 1 to 4, Gujarat State, India	Praanna Jain, A. K. Naithani, I.G. Singh and D.S. Rawat		National Institute of Rock Mechanics, Bangalore - 560070, India	Bangaluru	Mr. Praanna Jain	jaipraanna@gmail.com	India
1.017	1. Safe and sustainable infrastructure development	Geotechnical investigation of earth cracks in Ram-II Block, Area-II Block, Malda Districts, West Bengal.	Sudipto Nath, Debasis Bhattacharya, A Roy	Director	Geological Survey of India, State Unit - Bihar	Ranchi	Mr. Sudipto Nath	gsindipto@gmail.com	India
1.018	1. Safe and sustainable infrastructure development	Challenges on foundation evaluation for pre and post dam construction: implications on dam performance	Somitika Bal, Mrinal Kanti Mukherjee		Department of Applied Geology, Indian Institute of Technology (Indian School of Mines) Dhanbad 826004, INDIA.	Dhanbad	Dr. Mrinal Kanti Mukherjee	mrinal_kan67@yahoo.co.in	India
1.019	1. Safe and sustainable infrastructure development	An insight developed from the railway alignment project carried out in Himalayas	Radhakrishnan, S. P. K Prada		Dehprasad Sahoo, Bhanu Toppo, Jaydip Mukherjee	Bhubaneswar.	Mr. Radhakrishnan. S	radhakrishnan74@gmail.com	India
1.020	1. Safe and sustainable infrastructure development	Reservoir competency study of Kanpur Irrigation Project, Kanpur District, Odisha	Vinod Maurya	Senior Geology	Geological Survey of India, Western Region, Jaipur, Rajasthan.	Bhubaneswar.	Mr. Dehprasad Sahoo	dehprasad.sahoo@gsi.gov.in	India
1.021	1. Safe and sustainable infrastructure development	Challenges & Strategies in construction of Dike embankment in marine foundation	Abul Aas, Satish Kumar Sinha		Department of Petroleum Engineering and Geoenvironmental Engineering, Rajy Gandhi Institute of Petroleum Technology, India	Amethi	Mr. Vinod Maurya	vmaurya@ntpc.co.in	India
1.022	1. Safe and sustainable infrastructure development	Geoenvironmental investigations using Integrated Geophysical Methods: An Implication to geotechnical engineering	Abul Aas, Satish Kumar Sinha		Department of Petroleum Engineering and Geoenvironmental Engineering, Rajy Gandhi Institute of Petroleum Technology, India	Amethi	Mr. Abul Aas	ppg19001@rgpit.ac.in	India
1.023	1. Safe and sustainable infrastructure development	Challenges of developing a railway alignment in outer and lesser western Himalayas.	P.L.Narsula, Rajeev Soni, Deepali Saxena & Radhakrishnan S		Water Resources Department, Jalsandhan Bhanan, A-Block, Room No.-14, Anasabad, Patna, Bihar.	Patna	Ms. Deepali Saxena	dsaxena@anbgri.gov.in	India
1.024	1. Safe and sustainable infrastructure development	Tunnel stability and their geological & non-geological controls: present status and future approach	Jitendra Kumar, Mrinal Kanti Mukherjee		Department of Applied Geology, Indian Institute of Technology (Indian School of Mines) Dhanbad 826004, INDIA	Dhanbad	Mr. Jitendra Kumar	jitendra203@gmail.com	India
1.025	1. Safe and sustainable infrastructure development	Experimental Study of a Laterally Loaded Single Pile in Jointed Rock Mass	Koushik Pandit, Mahendra Singh, Jagdish Prasad Sahoo		Indian Institute of Technology Roorkee (IITR), Roorkee - 247 667, India	Kanpur	Mr. Koushik Pandit	kpnandh@cc.iiit.ac.in	India
1.026	1. Safe and sustainable infrastructure development	Geotechnical Investigation of Kharkai Barrage	R. Bhattacharjee, D. Bhattachary	Director	Geological Survey of India - CHQ,Kolkata, India	Kolkata	Mr. N.R. Bhattacharjee	nrbhattacharjee@gmail.com n.bhattacharjee@gsi.gov.in	India
1.027	1. Safe and sustainable infrastructure development	Mitigation measure for seepage in the Barua Sugar Lake, Barua, Uttar Pradesh, India.	Ajay Shankar Pandey, Hemant Kumar and Jayesh Baghi		Geological Survey of India, SU, UP, Northern Region, Lucknow	Lucknow	Mr. Hemant Kumar	hemant.kumar@gov.in	India
1.028	1. Safe and sustainable infrastructure development	Problem of construction of tunnel along a deep cutting reach of Renigall Left Bank Canal Project, Jajpur District, Odisha	Jaydip Mukherjee, R.C.Manda, Dehprasad Sahoo	Director	Geological Survey of India, Eastern Region, State Unit, Odisha, Bhubaneswar.	Bhubaneswar	Mr. Jaydip Mukherjee	jaydip_mukherjee123@yahoo.com	India
1.029	1. Safe and sustainable infrastructure development	Problem of pervious foundation of Kanpur Earth Dam, Konjhar District, Odisha	Jaydip Mukherjee, Dehprasad Sahoo, Barlan Toppo, Dwajyany Bhattacharya	Director	Geological Survey of India, Eastern Region, State Unit, Odisha, Bhubaneswar	Bhubaneswar	Mr. Jaydip Mukherjee	jaydip_mukherjee123@yahoo.com	India
1.030	1. Safe and sustainable infrastructure development	Stability problem of project road, Balimela Multipurpose Project, Malkangiri District, Odisha	Jaydip Mukherjee, Dehprasad Sahoo, Barlan Toppo	Director	Geological Survey of India, Eastern Region, State Unit, Odisha, Bhubaneswar	Bhubaneswar	Mr. Jaydip Mukherjee	jaydip_mukherjee123@yahoo.com	India
2.001	2. Technological advancements in investigation and monitoring	Seismic Tomography between exploratory drills for dam projects	Sanjay Rana, Ashutosh Koushik, Bhaskar Choudhury		PARSAN Overseas (Pvt) Limited		Mr. Sanjay Rana	sanjay@parsan.biz	India
2.002	2. Technological advancements in investigation and monitoring	Comparative study of factor of safety of tunnel segment by adding macro synthetic fibre using arrays.	Prajakta N Kenjale	PG student	School of Civil Engineering, MIT world Peace University	Pune	Mr. Prajakta N Kenjale	kenjaleprajakta95@gmail.com	India
2.003	2. Technological advancements in investigation and monitoring	Inflatable (Rubber) dam across Phulga River, near Vishnupad temple, District Gya, Bihar - A Geotechnical perspective	V.K.Sharma	Dy. Dg., GSI (retd.) and Expert Advisor: Engineering Geologist	Water Resources Department, Jalsandhan Bhanan, A-Block, Room No.-14, Anasabad, Patna, Bihar.	Patna	Dr. V.K.Sharma	vksharma_gs@yahoo.co.in	India
2.004	2. Technological advancements in investigation and monitoring	Stability assessment, numerical analysis and design of hydro-power tunnel - a case study.	Pranali Sanjay Salunke, Rahul Joshi, Rajiv Sinharay	PG student	PG student, School of Civil Engineering, MIT world Peace University, Pune	Pune	Ms. Pranali Sanjay Salunke	salunkepranali1998@gmail.com	India
2.005	2. Technological advancements in investigation and monitoring	A comprehensive review on the recent development of non-destructive empirical techniques in estimating geo-mechanical properties of shales	Divyanshu Singh, Hemant Kumar Singh	Ph.D. Scholar, DST Inspire fellow,	Department of Petroleum Engineering and Geoenvironmental Engineering, Rajy Gandhi Institute of Petroleum Technology, Jaj, Amethi- 293004, U.P., India	Amethi	Mr. Divyanshu Singh	divyanshuos@rgpit.ac.in	India
2.006	2. Technological advancements in investigation and monitoring	Numerical stability analysis of a jointed rock slope in the Sikkim Himalaya	Shubham Chaudhary, Swam Das, Anindya Pan, Shantanu Sarkar		Geotechnical Engineering Group, CSIR-Central Building Research Institute (CBRI), Roorkee, India. Academy of Scientific and Innovative Research (ACSIR), Ghazabad-201 002, India	Ghazabad	Mr. Shubham Chaudhary	shubhamg07@gmail.com	India
2.007	2. Technological advancements in investigation and monitoring	The role of Geophysical techniques in enhancing mine planning decision making for open cast quarry in basaltic terrain.	S.N.Patil, B.D.Patil, A.K.Kadam, N.S.Patil		School of Environmental and Earth Sciences, Kavyajyoti Bahadur Chaudhari North Maharashtra University, Jalgon, Maharashtra (India) 425001	Jalgon	Mr. B.D.Patil	bhavespatil143143@gmail.com	India
2.008	2. Technological advancements in investigation and monitoring	Reduce Time & Cost Overrun using Geotechnical Investigation during Survey & Investigation Stage of Hydro Power Projects, Lahri Stage - H (172MW), SFVN Ltd., Himachal Pradesh	Sudhil Sharma, Akshay Acharya, A.K. Pandey, Naveen Kumar Kanyan		Geology Department, SFVN Limited, Shimla	Shimla	Mr. Naveen Kumar Kanyan	corporategeology@sfvn.nic.in, naveenkanyan@gmail.com	India
2.009	2. Technological advancements in investigation and monitoring	Normal and Shear Stiffness from Field Direct Shear Test	Senthil P, D.V. Sarwade, K.K. Mishra, Hari Dev		Central soil and Materials Research Station, New Delhi	New Delhi	Mr. Senthil P	senthilceenys@gmail.com	India
2.010	2. Technological advancements in investigation and monitoring	Evaluation of Uniaxial Block Punch Index (UBPI) in Prevaling Andean Andean Compressive Strength of Anisotropic Rocks	Kumar Nilankar, Hemant Kumar Singh	Ph.D. Student	Department of Petroleum Engineering & Geoenvironmental Engineering, Rajy Gandhi Institute of Petroleum Technology, Jaj, 293004, U.P., India	Amethi	Mr. Kumar Nilankar	kumarn@rgpit.ac.in	India
2.011	2. Technological advancements in investigation and monitoring	Utilization of Geotechnical studies and Electrical Resistivity Tomography for Soil characterization and Foundation Engineering	Abul Aas, Satish Kumar Sinha		Rajy Gandhi Institute of Petroleum Technology, Jaj, Amethi, India	Amethi	Mr. Abul Aas	abulaaspace@gmail.com, aas@rgpit.ac.in	India
2.012	2. Technological advancements in investigation and monitoring	Seismic activities in Pithoragar area of Maharashtra in the western part of Deccan Volcanic Province	S. K. Bhattacharya, A. K. Joshi, O. P. Singh	Senior Geophysicist	Central Head Quarter, Geological Survey of India	Kolkata	Dr. S. K. Bhattacharya	sanjeevk.bhattacharyya@gov.in	India
2.013	2. Technological advancements in investigation and monitoring	Assessment of sub surface water storage potential using geopotential and AHP technique in alluvial plain, North Maharashtra Region, India.	Ajaykumar K. Kadam, S. N. Patil, V. M. Wagh, Bhavesh D. Patil, Nilesh S. Patil		School of Environmental and Earth Sciences, Kavyajyoti Bahadur Chaudhari North Maharashtra University, Jalgon, Maharashtra, India-425001	Jalgon	Mr. Ajaykumar K. Kadam	kadamajaykumar1@gmail.com	India
2.014	2. Technological advancements in investigation and monitoring	Evaluation of Bond Strength between Rock surface and Sprayed Concrete	Narendra Kumar Singh Tomar, Nitish Kumar Rai	Dy General Manager Geology	Larsen & Toubro Limited (L&T)		Mr. Narendra Kumar Singh Tomar	tomar.aks@gmail.com	India
2.015	2. Technological advancements in investigation and monitoring	Measurement of hoop stress on Wye section during internal hydrostatic loading: Case history	B. K. Gupta	A. G. M. (Geo.)	SFVNL, Shimla	Shimla	Mr. B. K. Gupta	bkgp@rediffmail.com	India
3.001	3. Geohazards and disaster risk reduction	Catastrophic rockslides in the upper reaches of the Bhagirathi River valley: their past and future.	Alexander Strom		Geodynamics Research Center - branch of JSC "Hydroprojetek Institute", Moscow, Russia	Moscow	Mr. Alexander Strom	strom.alexander@yandex.ru	Russia
3.002	3. Geohazards and disaster risk reduction	6 <sup>th</sup> July 1988 Nainital Peak Landslide, Nainital, Uttarakhand: Reminiscences	Girish Chandra Kandpal	Deputy Director General (Retd), GSI	12/124 Vikas Nagar, Lucknow, PIN 226022	Lucknow	Dr. Girish Chandra Kandpal	gkandpal59@gmail.com	India

3.003	3. Geohazards and disaster risk reduction	Assessment of the various slope stabilization initiatives undertaken along the pathways of Shri Mata Vaishno Devi of Ladakh and Kashmir Himalaya, India	A.K. Naitani, P.C. Nawani		National Institute of Rock Mechanics, Bangalore - 560 070, India	Bangaluru	Dr. A.K. Naitani	anaitania@gmail.com	India
3.004	3. Geohazards and disaster risk reduction	Geological cues from frequent earth tremors in Dakshin Kannada- Kodaga border areas of Southern Karnataka, India	R. Sajeve, Rahul V	Director	Engineering Geology & Landslide Division, State Unit, Karnataka & Geo. GSI, Bangalore - 560 111.	Bengaluru	Mr. R Sajeve	rsajeve_gs@gmail.com	India
3.005	3. Geohazards and disaster risk reduction	Relationship between Structural Damage zone and Rock mass Classification for Natural slope stability-Hardya Nala Landslide, Inner Kumaun Lesser Himalaya, Uttarakhand, India.	Priya Joshi, Mohit Kumar Punya, Pranshu Dutt Pant, Ragesh Upadhyay		Department of Geology, Kumaun University Nainital, Uttarakhand-India (245002)	Uttarakhand	Ms. Priya Joshi	joshi.2priya@gmail.com	India
3.006	3. Geohazards and disaster risk reduction	Hysteretic Damping of Sands under Cyclic Loading and its relation to Shear Modulus by Cyclic Simple Shear Testing	Uday Bhanu Chakraborty, Suresh Manrya, N. P. Hoekandavvar	Scientist B	Central Soil and Material Station, New Delhi-110022		Mr. Uday Bhanu Chakraborty	ub.chakraborty3@gmail.com	India
3.007	3. Geohazards and disaster risk reduction	Stability analysis of lateritic soil slopes exposed near Rajapuri village, Mahabaleswar, Maharashtra, India using limit equilibrium approach	Bhushan D Kurhe, Saikat Roy, Prakash K Gajbhiye	Senior Geologist	Geological Survey of India, State Unit: Maharashtra, Pune	Pune	Mr. Bhushan D Kurhe	bhushan.kurhe@gsi.gov.in	India
3.008	3. Geohazards and disaster risk reduction	Understanding the effect of discontinuities on the slope instability along NH-03, Himachal Pradesh, India	Prateek Sharma, Rajesh Singh, Rahul Kumar Verma, Kumar, Pranshu Mishra		Rock Science and Rock Engineering Laboratory, Department of Geology, University of Lucknow, Lucknow - 226007.	Lucknow	Mr. Prateek Sharma	prateeksharmarish@gmail.com	India
3.009	3. Geohazards and disaster risk reduction	Effect of water content, initial volume, and grain size distribution on debris flow runout and deposition: an experimental study	Rajesh Kumar Dash, Manojit Samanta, Debi Prasanna Kanungo		Geo Hazard Risk Reduction Group (GHRG), CSIR-Central Building Research Institute, Roorkee - 247 667, Uttarakhand, India	Ghaziabad	Mr. Rajesh Kumar Dash	rajesh.goo92@gmail.com	India
3.010	3. Geohazards and disaster risk reduction	Terrain Specific Conditioning Factors for Landslides in Western Maharashtra	Prakash K. Gajbhiye	Director	Geological Survey of India, Pune	Pune	Mr. Prakash K. Gajbhiye	pk.gajbhiye@gsi.gov.in, pgajbhiye@yaboo.com	India
3.011	3. Geohazards and disaster risk reduction	Preliminary Slope Stability Appraisal of landslide in Amargh Hill, Jaipur, Rajasthan- a serious concern for the adjacent densely populated area	P.K. Sharma, Mohd. Ahmad, Debasish Bhattacharya	Director	Geological Survey of India, Western Region, Jaipur, Rajasthan.	Jaipur	Mr. Mohd. Ahmad	mohammad.ahmad@gsi.gov.in	India
3.012	3. Geohazards and disaster risk reduction	Landslides and slope stability assessment on Tarkis-Tau mountain (Eastern Caucasus, Russia)	O.V. Zerkal, I.V. Averin, I.K. Fomenko, D.D. Shubina		Department of Geology, Moscow State University, Russia	Moscow	Mr. O.V. Zerkal	idofga@gmail.com	Moscow
3.013	3. Geohazards and disaster risk reduction	Landslide evaluation on the Planetary Bodies with special reference to the Earth	Pranshu Mishra, Rajesh Singh		Department of Geology, University of Lucknow, Lucknow-226007, Uttar Pradesh, India	Lucknow	Mr. Pranshu Mishra	mishrapranshu152@gmail.com	India
3.014	3. Geohazards and disaster risk reduction	Slope Mass Rating (SMR) of the vulnerable slopes near Khaima, Uttarakhand, India	Rahul Kumar Verma, Rajesh Singh, Prateek Sharma, Pranshu Mishra		Department of Geology, University of Lucknow, Lucknow-226007, Uttar Pradesh, India	Lucknow	Mr. Rahul Kumar Verma	getrahul9@gmail.com	India
3.015	3. Geohazards and disaster risk reduction	Assessment of Road-cut slope stability as a function of geo-mechanical slope mass category, rock microstructure and geomorphic indices of ongoing tectonic activity. An example from Dhruva-Uttarakhand road (NH-108) section, Uttarakhand, Northern India.	Mrinal Kanti Mukherjee		Department of Applied Geology, Indian Institute of Technology (Indian School of Mines), Dhanbada-826004, INDIA	Dhanbad	Dr. Mrinal Kanti Mukherjee	mrinal_kan7@yaboo.co.in	India
3.016	3. Geohazards and disaster risk reduction	Scientific hazard microzonation study in and around Kalyan, Dombivli and Badliar area, Maharashtra.	Bhupesh B. Urkude, Harshraj L. Wankhade, D. Chakraborty.	Senior Geologist	EQG Division GSI, CR, Nagpur	Nagpur	Mr. Bhupesh B. Urkude	bhupesh.urkude@gsi.gov.in	India
3.017	3. Geohazards and disaster risk reduction	Review of trigger thresholds for landslides in tropical residual soils	Nikhil Nedumpallic Vasu, Vanessa Banks, Christian Amharth, Majid Mansour, Audrey Ouzter-Simonin		British Geological Survey, Keyworth, UK	Keyworth	Mr. Nikhil Nedumpallic Vasu	nikedo@bgs.ac.uk	United Kingdom
3.018	3. Geohazards and disaster risk reduction	Mapping Earthquake Induced Ground Rupture through Interferometric Synthetic Aperture Radar (InSAR): A case study of the 2nd June 2022 Afghanistan earthquake (Mw 5.9)	Snehasis Bhattacharya, Mrinmoy Kumar Das and Soumitra Dasgupta	Senior Geologist	Geological Survey of India Central Headquarters Geohazards Research & Management (GHRM) Centre, Kolkata	Kolkata	Mr. Snehasis Bhattacharya	snehasis.bhattacharya@gsi.gov.in	India
3.019	3. Geohazards and disaster risk reduction	Classification of slope forming mass along the proposed cut between Gollakra and Pooatia, Chahardharpur Division, SE Railway, Jharkhand.	Debasish Bhattacharya, Sudipto Nath and N.R. Bhattacharjee	Dy. Director General	Geological Survey of India, CHQ, Kolkata	Kolkata	Mr. Debasish Bhattacharya	67bhata@gmail.com	India
3.020	3. Geohazards and disaster risk reduction	Stability analysis of rock slopes along Manali-Mandi road corridor using Kinematic Analysis and Rock Mass Classification	Jina Mandal, Kandan D. Rangari, Prashant T. Bhatnagar	Senior Geologist	Engineering Geology Division, GSI Chandigarh	Chandigarh	Ms. Jina Mandal	jina.mandal@gsi.gov.in	India
3.021	3. Geohazards and disaster risk reduction	Bank Erosion in the largest inhabited river island Majuli: Neotectonic factors for protection strategies	anta, Mansom P. Kashyap, Bab	Director	North Eastern Region, Geological Survey of India, Shillong-6	Shillong	Mr. Babash N. Mahanta	bn.mahanta@gsi.gov.in	India
3.022	3. Geohazards and disaster risk reduction	Study on Implementable Remedial Measure for Landslide due to Climate Change and Anthropogenic Activities	Joyita Golder, Koushik Shankhary & Gopinath Bhandari	PhD Research Scholar	Department of Civil Engineering, Jadavpur University, Kolkata	Kolkata	Ms. Joyita Golder	joyitag.civil.rs@jadavpuruniversity.in	India
4.001	4. Climate change and environmental impact assessment	Sustainability Assessment of Passive House Retrofits of Residential Buildings in India - A Life Cycle Carbon Balance	Bhanu Sowmya Andraju	St. Engineer	L&T Construction-Heavy Civil Infrastructure IC, Visakhapatnam, Andhra Pradesh	Visakhapatnam	Mr. Bhanu Sowmya Andraju	andrajubhansowmya@gmail.com	India
4.002	4. Climate change and environmental impact assessment	Utilization of GRSB And Quarry Sand for Application as A Partial Replacement to Natural Sand in Construction - A Case Study	S. B. Bhavur, D. L. Chavan, N. S. Patil, S. N. Patil		Department of Applied Geology, School of Environment and Earth Sciences, North Maharashtra University, Jalgaon 425 001, India	Jalgaon	Mr. S. B. Bhavur	sumi1991b@gmail.com	India
5.001	5. Emerging challenges in urban infrastructure	Dealing with saturated zone and ground water inflow in urban tunneling in rock with TBM.	Snehal Phadate, Ganesh Jagde, Kishiji Dhawale	PG student	School of Civil Engineering, MIT world Peace University	Pune	Ms. Snehal Phadate	snehalphadate19@gmail.com	India
5.002	5. Emerging challenges in urban infrastructure	Site Response Study Using HVV Ratios in and around Silchar City, Assam, India	K. K. Mukherjee, Ph. Dibbar, Pankaj Kumar Das, M. S. Kumar	Superintending Geophysicist	Geological Survey of India, North Eastern Region, Shillong	Shillong	Dr. K. K. Mukherjee	kajal.k.mukherjee@gmail.com	India
5.003	5. Emerging challenges in urban infrastructure	Micro-Earthquake investigation in and around Vellore District, Tamil Nadu, India: An approach to infer seismicity level	O. P. Singh, Pravesh Allipelli, S. K. Bhattacharya	Superintending Geophysicist	Geological Survey of India, Central Region, Nagpur-440006, India	Nagpur	Dr. O. P. Singh	o.singh@gsi.gov.in; opsingh1010@gmail.com	India
5.004	5. Emerging challenges in urban infrastructure	Applications of GIS Techniques in sustainable development of urban environment -An overview.	N.S.Patil, S.N.Patil, A.K.Kadam, B.D.Patil, V.J.Patil		School of Environmental and Earth Sciences, Kavayitri Bahinabai Chaudhari, North Maharashtra University, Jalgaon, Maharashtra (India) 425001	Jalgaon	Mr. N.S.Patil	patilnshesh94@gmail.com	India
5.005	5. Emerging challenges in urban infrastructure	Integrated geo-environmental appraisal of Guwahati city to assess the causes and remedies of urban flood.	Deepjyoti Gogoi, Soma C.S., Th. N.B. Singha	Senior Geologist	Survey of India, SU: Assam, Guwahati, As	Guwahati	Mr. Deepjyoti Gogoi	deepjyoti.gogoi@gsi.gov.in	India
5.006	5. Emerging challenges in urban infrastructure	Restoration of Railway Embankment - A Case Study	Somnath Banerjee, Animul Islam, Sudip Kumar Koley, Prodyot Kumar Ray		Technical Services Department, ITD Cementation India Ltd, Kolkata.	Kolkata	Mr. Sudip Kumar Koley	koley_sudip@itdcm.co.in	India
5.007	5. Emerging challenges in urban infrastructure	Route Optimization for Emergency Vehicles - A Review	Polavarapu Rasagna		PGET (NICMAR), L&T Construction-Heavy Civil Infrastructure IC, Visakhapatnam, Andhra Pradesh, India	Visakhapatnam	Mr. Polavarapu Rasagna	polavarapu.rasagna@lntec.com	India
5.008	5. Emerging challenges in urban infrastructure	Cognizance of Green Building for Sustainable Construction in Smart Cities ...Decision to Build Green	P Anupama		PGET, L&T Construction-Heavy Civil Infrastructure IC Visakhapatnam, Andhra Pradesh, India	Visakhapatnam	Ms. P Anupama	pingili.anupama@lntec.com	India