

INDIAN GEOTECHNICAL CONFERENCE IGC-2010

GEOTrendz

List of Final Accepted Papers

Theme T1: Geotechnical issues of urban infrastructure

S.No.	Abstract No.	Title of the Paper	First Author	e-mail address of author
1.	62	A Study of Behaviour of Piled Raft Foundation For Tall Building	S.J. Shukla	sdv@amd.svnit.ac.in
2.	94	Adjacent Structure Protection - State of Practice in New York City	S.A. Vaidya	svaidya@langan.com
3.	126	Challenges and Issues in the Modern Day Piling – Indian Scenario	S.S. Basarkar	sunil.basarkar@itdcem.co.in
4.	132	Control of swell – shrink behaviour of expansive clays using geosynthetics	V.K.Stalin	staliniisc@yahoo.co.in
5.	141	California bearing ratio, evaluation and estimation - a study on comparison	T.K. Roy	tapash2000@hotmail.com
6.	257	Stabilization of Subgrade of Flexible Pavement with Admixtures	Gourhari Biswas	gourhari.biswas@yahoo.com
7.	354	Technology for rooftop harvesting for urban centres based on geotechnical aspects	M. D. Desai	earthmdd@yahoo.co.in
8.	369	Group Efficiency Factor for Pile Groups in Clay Under Uplift Loading	R. Ayothiraman	araman@civil.iitd.ac.in

Theme T2: Site investigation by non-invasive techniques and Site characterization

S.No.	Abstract No.	Title of the Paper	First Author	e-mail address of author
1.	48	A Multi-Frequency GPR Approach to Non-Invasive Subsurface Mapping	B.Divya Priya	gvee@iitb.ac.in
2	85	Interpretation and Assessment of Electrical Resistivity Soundings Data	J.M. Kate	jmkate@civil.iitd.ac.in
3.	112	Site characterization at ekambareswara temple complex, kanchipuram, tamil nadu	G. Kalyan Kumar	kalyanu.g@gmail.com
4.	184	A Methodology for Detecting Buried Solids in Second-use Sites using GPR	A.Hebsur	almelu@iitb.ac.in
5.	219	Geotechnical characterisation of miscellaneous wastes	K. V. S. B. Raju	kvsbraju.2007@gmail.com
6.	243	Hyperspectral Variable Band Selection Methodology to Assess Soil Salinity	M.Kala Muthumari	kalamuthumari@yahoo.com
7.	265	On incorporating nonlinear soil response into seismic hazard zonation	T. V. N. Srinivas	tvenkatn@gmail.com
8.	270	Applications of Non- Invasive Techniques for Site Investigations and Site Characterization of River Valley Projects	Khanna Rajesh	rajesh12khanna@yahoo.com
9.	283	Soil characterization based on Digital image analysis	Karisiddappa	ks@mcehassan.ac.in
10.	306	Need for Relook at Design Practice for Reinforced Earth Wall Foundations	Nirav B. Umravia	nirav_dr@indiatimes.com
11.	313	A Study on Wetting Soil-Water Characteristic Curve of a Sandy Soil	C. Malaya	m.chetia@iitg.ernet.in
12.	356	CBR Predicted by Index Properties for Alluvial Soils of South Gujarat	Rashmi S. Patel	swtrashmi@gmail.com
13.	407	Understanding level at acceleration and peak particle velocity - A Case Study	A. R. Katti	kattianand8@yahoo.com

Theme T3: Tunnels and underground construction

S.No.	Abstract No.	Title of the Paper	First Author	e-mail address of author
1.	15	Behaviour of circular tunnel under varying soil medium	Kumar Venkatesh	venkatesh@mnnit.ac.in
2.	30	Challenges and Strategies in Tunnelling in Himalayan Region	Vinod Kumar Mauriya	vkmfes@gmail.com
3.	233	Ground Respose Studies for the Design of Head Race Tunnel (HRT) of Chuzachen Hydroelectric Project, Sikkim	K.S.Rao	raoks@civil.iitd.ac.in
4.	388	Innovative Support System for Tunneling Below Arabian Sea	Tarun Datta	info@noblegeostructs.com

Theme T4: Geotechnical earthquake engineering

S.No.	Abstract No.	Title of the Paper	First Author	e-mail address of author
1.	17	Analysis of Reinforced Soil Wall – Effect of Kinematics and Non-Linear Backfill Response	G.V.N. Reddy	gynreddy@jntuh.ac.in
2.	40	Earthquake wave energy flow and distribution	Gohil D P	dpgohilcapri_2005@yahoo.com
3.	61	Liquefaction resistance of Solani sand under cyclic loads	S S Choudhary	shv.snkr@gmail.com
4.	73	Seismic Behavior of RCC Shear Wall under Different Soil Conditions	Anand N	anand_1612@rediffmail.com
5.	74	Yield deformation of a cohesive embankment	A. K. Dey	ashim_kanti@yahoo.co.in
6.	113	Methods for seismic microzonation with SWV- A comparative study	Diptendra Das	diptendra_69@yahoo.co.in
7.	140	Seismic Performance of Gravity Quay Walls in Unimproved and in Improved Soils	Heba Kamal	heba.kamal@dargroup.com
8.	149	Rational pseudo-static stability analysis of embankments	S. S. Kandolkar	sumitra_tari@yahoo.com
9.	160	Site Specific Ground Response and Liquefaction Analyses for a Project Site in New Madrid Seismic Zone	Sanjeev Kumar	kumars@ce.siu.edu
10.	174	Seismic response of soil-pile foundation-structure system	Rajib Saha	rajib.iitbsr@gmail.com
11.	185	Seismic hazard analysis for Chennai using kernel density estimation	Chethanamba K R	chethkr@yahoo.co.uk
12.	187	Evaluation of DSC parameters for Solani sand	N M Syed	madanibaroda@gmail.com
13.	199	Seismic site characterization in India and rock depth Issues	Anbazhagan P	anbazhagan@civil.iisc.ernet.in
14.	208	Estimation of κ factor for two types of sites in Northeast India	D. K. Awasthi	awasthi_dk.cwprs@yahoo.in
15.	232	Seismic Hazard Analysis for Surat City and Surrounding Region, Gujarat	T. P. Thaker	tej_p_thaker@yahoo.co.in
16.	236	Shear Wave Velocity Profiling for Lucknow Urban centre using Seismic Refraction Survey	Abhishek Kumar	abhishek@civil.iisc.ernet.in
17.	256	Seismic response of geosynthetic reinforced soil slopes	G Madhavi Latha	madhavi@civil.iisc.ernet.in
18.	294	An overview of seismic zonation studies in India	A K Mohapatra	alokgpiitkgp@gmail.com
19.	310	Performance of small scale model slopes in shaking table test	Debabrata Giri	debagiri@rediffmail.com
20.	314	Computation of fundamental period of soil deposit – A Comparative study	K. V. Vijayendra	kvv_bit@rediffmail.com
21.	315	Seismic slope stability analysis of tailings earthen dam using TALREN4	D Chakraborty	debarghya@civil.iisc.ernet.in
22.	325	Evaluation of seismic hazard for India: Deterministic approach including local site effects	T.G.Sitharam	sitharam@civil.iisc.ernet.in
23.	357	Behaviour of soil under cyclic loading	M. E. Raghunandan	raghunme@iitb.ac.in
24.	359	Seismic hazard map for the state of Karnataka with local site effects: Deterministic seismic hazard analysis	T.G.Sitharam	sitharam@civil.iisc.ernet.in
25.	360	A Critical Study on Seismic Design of Retaining Structures	Amey D.Katdare	ameykatdare@iitb.ac.in
26.	376	Influence of Flexible Ground on Seismic Performance of Structure	Prasad S K	prasad_s_k@hotmail.com
27.	396	Effect of Earthquake Induced Lateral Soil Movement on Piles in Sloping Ground	K.Muthukkumaran	kmk@nitt.edu
28.	405	Seismic displacement of retaining wall with reinforced backfill	S.K. Saran	saranswami@yahoo.co.in

Theme T5: Earth and earth retaining structures

S.No.	Abstract No.	Title of the Paper	First Author	e-mail address of author
1.	3	State of Art : Factors influencing design of earth retaining structures	Vashi, Jigisha M	vashi.jigisha@gmail.com
2.	18	Optimal design of the shoring system – A parametric study	M Bhanuchitra	bhanuchitra@lntecc.com
3.	95	Reduction in Construction Material: Effect of Provision of Loft behind Cantilever Retaining Wall	S.M. Patil	smpatilkumathe@yahoo.co.in
4.	114	Analysis of a braced excavation using hardening soil model	A Usmani	altaf.usmani@eil.co.in
5.	144	Centrifuge modeling of wrap-around geogrid-reinforced soil walls	Abhinav Mane	abhinav.mane@iitb.ac.in
6.	278	Optimum dump slope design of a lumpy Chromite ore mine	V K Singh	vks_slope@yahoo.com
7.	293	Modified two wedge failure mechanism for reinforced soil walls	P K Jayasree	jayasreepk@yahoo.com
8.	367	Pseudo-Static Seismic Stability of Basal Reinforced Embankment with Oblique Pull	V. K. Chakaravarthi	vkchakravarthi@yahoo.com

Theme T6: Recent developments in experimental geotechnics

S.No.	Abstract No.	Title of paper	First author	E-mail address of the author
1.	10B	Load Deformation Behaviour of Floating Stone Columns In Soft Clay	Mukul C.Bora	m.bora@iitg.ac.in
2.	24	Study on synthetic geotextiles for road pavement	C.Sivapragasam	sivapragasam25@gmail.com
3.	34	CBR value estimation using dynamic cone penetrometer	K.S. Gill	kulbirgillkulbir@yahoo.co.in
4.	50	Laboratory evaluation of five quartzites	Hasan Abdullah	abdullahasan@rediffmail.com
5.	81	Fourier Transform Infrared Spectroscopic Studies of Clay and Shales	Kalpana S. Katti	Kalpana.Katti@Ndsu.Edu
6.	120	Shear strength behavior of kaolinite with different microfabric	Rakesh J. Pillai	rakeshpilla@gmail.com
7.	128	Effect of concentration of dispersing agent on the grain size distribution of fine grained soil	J. Bindu	binduj7@rediffmail.com
8.	154	Indirect Tensile Strength Test of Stabilized Fly Ash	K. Bandyopadhyay	juhi262@gmail.com
9.	224	Swell-shrink behaviour of GPA-reinforced expansive clay beds	M. Muthukumar	phanikumar_29@yahoo.com
10.	246	Piled raft behaviour based on 1g model studies	V. Balakumar	vb_Kumar2002@yahoo.com
11.	251	Methodology for evaluation of hydro-mechanical behaviour of clay based landfill covers in a geo-centrifuge	B V S Viswanadham	viswam@civil.iitb.ac.in
12.	252	Settlement analysis of axially loaded vertical piles in cohesive soil	H.T. Naqvi	haidertabassum@gmail.com
13.	255	Modified CBR Tests on Geosynthetic Reinforced Soil-Aggregate Systems	M.N. Asha	ashamn@civil.iisc.ernet.in
14.	262	Evaluation of various electrode configurations in electro-osmosis	A A. Sahib	azad52@yahoo.com
15.	264	A realistic way to obtain equivalent young's modulus of layered soil	P. Brahma	fargoconsultants@gmail.com
16.	271	Effect of additive on geotechnical properties	M. R. Patil	mrpatil@bvb.edu
17.	277	Study of consolidation accelerated by sand drains	G.Radhakrishnan	radhakrishnan.gunupudi@gmail.com
18.	279	One dimensional consolidation of soft cohesive soil under cyclic loading	Monideepa Paul	monideepa_1984@yahoo.co.in
19.	329	Effect of alternate wetting and drying on laterite and their engineering behaviour	R.A.HEGDE	rahegde2002@yahoo.com
20.	336	Swell-Consolidation Characteristics Of Artificial Sand Clay Mixes	B. R. Phanikumar	phanikumar_29@yahoo.com
21.	358	Effect of sample preparation on strength of sands	A. Juneja	ajuneja@iitb.ac.in
22.	380	Transitional States in 1D Slurry Consolidation	C. Ghosh	cghosh24@gmail.com
23.	399	Prediction of shear strength parameter for prototype riverbed rockfill material using index properties	N.P. Honkanadavar	nimbuhp@indiatimes.com
24.	408	Experimental and fem analysis of the geotextile geotube	N.K. DAS/Mandal	nrjkmr.das@gmail.com
25.	409	Stabilized Soil Evaluation Using Laboratory Electrical Resistivity Cell	L.A. Bhangale	loktalk@gmail.com

Theme T7: Geo-environmental engineering

S.No.	Abstract No.	Title of paper	First author	E-mail address of the author
1	6	Effect of crude oil on some properties of clayey soil	D.K.Talukdar	dilipalukdar@ymail.com
2	35	Variation of engineering properties of soils affected by sea ingression	T. Datta	meettufan@yahoo.co.in
3	47	Effect of Industrial Wastes on the Physical and Engineering Properties of Soils	Sobha Cyrus	sobharoy@cusat.ac.in
4	64	Influence of physical properties on engineering properties of class f fly ash	S.K. Pal	skrpal@yahoo.co.in
5	67	Selection of Prospective Waste Disposal Sites for Gondia Municipal Council of Maharashtra, India	Devendra Pandey	devpand_2000@yahoo.com
6	87	Molecular Interactions Impact Properties of Na-Montmorillonite Clay	Dinesh R. Katti	Dinesh.Katti@Ndsu.Edu
7	103	Effect of fiber on properties of rice husk ash – lime stabilised soil	A K Sabat	akshayasabat@yahoo.co.in
8	122	Effect of Leachate on the Engineering Properties of Different Bentonites	Y. Sheela Evangeline	sheelabala2000@yahoo.com
9	123	Study on amended soil liner using lateritic soil	Dhanya sree	sree.dhanya@yahoo.co.in
10	135	Assessment of Soil Contamination Using GIS	V.K.Stalin	staliniisc@yahoo.co.in
11	151	Stabilisation of Engine Oil Contaminated Soil Using Cement Kiln Dust	L. Srivastava	lps_itbhu@yahoo.co.in
12	161	Performance of geotextiles in dewatering high water content sludges	Nandhitha Shinde M.	nandy_shinde@yahoo.co.in
13	183	Contaminant transport modelling through landfill liners	R. Praveen Kumar	praveen.rachakonda@unisa.edu.au
14	197	Innovative Ground Improvement Technique of Utilization of Steel Slag for Roads	S.S. Koranne	shubhada_koranne@yahoo.co.in
15	198	Effect of pond ash content on engineering properties of fine grained soil	Ashis Kumar Bera	ashis @ civil.becs.ac.in
16	200	Low cost adsorbents for heavy metal removal	M. Arif Ali Baig	reach2arif@gmail.com
17	204	Mineralogical and morphological changes with alkali treatment of soils	P Hari Prasad Reddy	ponnapuhari@yahoo.com
18	227	Characterisation of Sorption and Leaching Behavior of Heavy Metals through Clay at Different pH Level	S.K.Singh	sksingh99_99@yahoo.com
19	238	Coal and chemical composition of fly ash and its significance for Road	R.K.Panigrahi	panigrahi_crri@yahoo.co.in
20	300	Effects of soil type on performance of soil aquifer treatment (SAT) system	D.P.Nagarajappa	dpnagarajappa@gmail.com
21	308	Strength characteristics of flyash mixed with lime stabilized soil	Jagdish Prasad Sahoo	jpscivil@gmail.com
22	317	Contaminant Transport from MSW Landfill: A Case Study	K.S.Beena	beenavg@cusat.ac.in, beenavg@yahoo.com
23	319	Leaching studies of lime-stabilized fly ash mixes	G. Sridevi	gudasridevi@yahoo.co.in
24	320	Geotechnical characteristics of hubli-dharwad black cotton soils mixed with flyash – an experimental evaluation	U.D. Hakari	uday.hakari@gmail.com
25	349	Pilot Study to improve Bearing Capacity of Open Dump Waste Site for Low Rise Housing	Nehal Gaurav Dalal	nbn81@yahoo.co.in
26	370	Geotechnical Characterisation of Wastes at Zinc Manufacturing Plants	C.N.V.S. Reddy	cnvsnreddy@rediffmail.com
27	393	A Scanning Electron Microscopy Study on Flue Gas Conditioned Fly Ashes Collected from Thermal Power Stations	S. Shanthakumar	shanthakumar.s@vit.ac.in

Theme T8: Innovative techniques in ground improvement

S.No.	Abstract No.	Title of the paper	First Author	e-mail address of author
1.	2	Effect of Lime-Coir Fiber on Geotechnical Properties of Black Cotton Soil	H.N. Ramesh	rheddur@yahoo..com
2.	4	Strength, durability and microstructural analysis of stabilized fly ash	Kishan Dharavath	kishand@manit.ac.in
3.	7	Reduction of Swelling Pressure of Expansive Soils using EPS Geofom	A. P. Shelke	abhayshelke@iitb.ac.in
4.	8	Improvement of Clayey Sub Grade Using Waste Sand from English Indian Clay Limited	Shemy S. Babu	rohitpb123@gmail.com
5.	11	Performance of drainage well in electro-osmotic consolidation experiment	J. H. S. Yee	sharon.yee@stud.curtin.edu.my
6.	22	Pull-out Factors of Reinforcing Strips Embedded in Cement Modified Marginal Soil Walls	V. Ramana Murty	vrm_nitw@yahoo.com
7.	46	The Effect Of Lime Stabilization On Properties Of Black Cotton Soil	Ms. K. Nadgouda	knadgouda@gmail.com
8.	53	Prediction of Heave of Expansive Clay Reinforced with Granular Pile Anchors	A. Sreerama Rao	srajjarapu@yahoo.com
9.	58	Improvement Of B. C. Soil Using Geofom Prefabricated Vertical Drain	Dr. P. B. Daigavane	daigavane.prashant@gcoea.ac.in
10.	69	Bearing capacity of reinforced granular bed on soft nonhomogeneous clay	K. Rajyalakshmi	dhanista123@gmail.com
11.	70	Response Of Strip Footings Supported On Granular Trench	N. Unnikrishnan	unnikrishnan_n@yahoo.com
12.	71	Road construction in Assam by using coirmat	Utpal Kumar Baruah	u_baruah@yahoo.co.in
13.	82	Optimal Estimation of Design Parameters for Stone Column-Improved Soft Soil	Kousik Deb	kousik@civil.iitkgp.ernet.in
14.	83	Influence of Lime on Plasticity Behaviour of Soils	M. Hussain	monowar@iitg.ernet.in
15.	98	Strength and Compressibility of Soft Clay after Vacuum Preloading	G Sridhar	sridharg262@gmail.com
16.	99	Creep Rates of Granular Pile Reinforced Ground	M R Madhav	madhavmr@gmail.com
17.	100	Some Environmental Benefits of Dry Vibro Stone Columns in a Gas Based Power Plant Project	G.R. Chawla	gr.chawla@ndpl.com
18.	116	Strength and compressibility response of plastic waste mixed soil	G.L. Sivakumar Babu	gls@civil.iisc.ernet.in
19.	153	Swelling and Strength Characteristics of Expansive Soil Treated with Stone Dust and Fly Ash	T.L.Ramadas	ndkumar@jntuh.ac.in
20.	166	Swell – Shrink Behaviour of Expansive Soils Under Fly Ash Cushions	M Rama Rao	ramarao.muvvala@gmail.com
21.	167	Behaviour of Model Footings on Reinforced Soil System	G. Radhakrishnan	radhakrishnan.gunupudi@gmail.com
22.	172	Chemically Activated Microfine Slag Cement Grouts	G. N. Patel	grish4u@gmail.com
23.	173	Development of Colloidal Silica Grout Using Different Reactants	K. K. Dave	grish4u@gmail.com
24.	177	Effect Of Fiber Reinforcement On Swelling Behaviour	B. R. Phanikumar	phanikumar_29@yahoo.com
25.	181	Fibre Reinforcement of Soil Sub Grade Beneath Flexible Pavements	B. Srinivas Rao	bondalasrao@yahoo.com
26.	188	Load Settlement Behavior of Stone Columns with Circumferential Nails	M.R.Dheerendra Babu	dheerendra_dheeraj@yahoo.com

27.	203	Shear Strength Characteristics of Fiber Reinforced Fly Ash	A.K.Choudhary	drakchoudharycivil@gmail.com
28.	210	Use of DFR Fly ash Cushion in Minimizing Heave of Expansive Clay Beds	R. Dayakar Babu	rdbabu29@rediffmail.com
29.	225	Limits of applicability of stone-column in ground improvement	A. Saha	ovijeet@rediffmail.com
30.	240	Role of lime content on soil-lime reaction under thermal curing	Nasrizar Amir Asad	aans50@yahoo.com
31.	259	Improved foundation system for BC soil using Horizontal Geofom Layers	P.B. Daigavane	daigavane.prashant@gcoea.ac.in
32.	266	Strength Behaviour of Cement Stabilised Marine Clay Cured Under Stress	I. Bushra	bushrasmail@iitm.ac.in
33.	269	Some Geotechnical Properties of Two Organoclays	S. Akbulut	sakbulut@atauni.edu.tr
34.	272	Alternative technique to induce faster lime stabilization reaction in deeper expansive strata	S Bhuvaneshwari	eshwari_28@yahoo.co.in
35.	276	Effect of strong chemicals on the swell properties of an expansive clay	Manchikanti Srinivas	manchisri@yahoo.com
36.	286	Application of geonatural spoils in subbase for road construction	Joyanta Maity	joymaity1975@yahoo.co.in
37.	287	Innovative Techniques in Ground Improvement Laboratory Study on Stabilized Flyash Subbases	M. Anjan Kumar	anjan_mantri@yahoo.com
38.	337	Vertical Heave Resistant Geocell – A New Approach For Controlling Heave	B. R. Phanikumar	phanikumar_29@yahoo.com
39.	339	Behaviour of Reinforced Stone Columns in Soft Soils: An Experimental Study	K. Ali	kausarali786@rediffmail.com
40.	341	Ground Improvement Using Displacement Type Sand Piles	M. Samanta	manojitbee@gmail.com
41.	345	Stabilisation of typical mine waste of Goa	Gautami G.	gaugaonkar@gmail.com
42.	352	Laboratory Investigation On Reinforced Subgrade Soils	Nagrale Prashant P.	aditya_prashant2004@yahoo.co.in
43.	382	Effect of smear on consolidation of sand columns in soft clay subsoils	Juneja, A.	ajuneja@civil.iitb.ac.in
44.	383	Strength Behaviour of Composite Ground Reinforced with Sand Columns	B A Mir	bamir@rediffmail.com
45.	410	Innovative Soft Clay Improvements Using Vacuum and Dynamic Compaction	Robert Y. Liang	rliang@uakron.edu

Theme T9 : Geohazards - Landslides, Subsidence, Tsunamis and Shore Erosion

S.No.	Abstract No.	Title of Paper	First Author	Email address of Author
1.	33	Landslide Hazard Zonation Incorporating Geotechnical Characteristics: A Case study of Wayanad District in Kerala	Gouri Antherjanam	gantherjanam@gmail.com
2.	37	Stability analysis of Flow type Landslide with a new approach in Lower Himalayan belt located at Arunachal Pradesh	G. K.Bayan	gokul_kb_ctk@yahoo.com
3.	137	Seismic analysis of concrete face rockfill dams	B. Moussai	bmoussai@yahoo.ca
4.	170	Seismic Microzonation of Thiruvananthapuram	V.Jaya	jayasraj@gmail.com
5.	284	Multiple Model for Landslide Hazard Zonation	M.H.Nafuti	hasanzadeh.m@gmail.com
6.	299	Detailed Stability Analysis of Slopes by Finite Element Method	Sukumar Saha	sukumar.crii@nic.in
7.	301	Shear Strength of Unsaturated Residual Soils of Hills in Guwahati	U.K.Das	ukrdas@gmail.com
8.	398	Effect of Seabed Slope on Offshore Pile Lateral Behaviour Under Wave Force	K.Muthukkumaran	kmk@nitt.edu
9.	400	Assessment of Damages Induced by Recent Landslides in Ooty, Tamilnadu	S.S.Chandrasekaran	chandrasekaran.ss@vit.ac.in

Theme T10: Case studies in geotechnical engineering

S.No.	Abstract No.	Title of the Paper	First Author	e-mail address of author
1.	25	Use of Geosynthetic Material to Enhance and Sustain Sub grade Characteristics	M.S.Dixit	manishsdixit@gmail.com
2.	44	Rock Slope Stability Analysis along Nh-22 in Luhri Area, Himachal Pradesh- A Case Study	K.Sarkar	kripamoy@rediffmail.com
3.	49	Ground Improvement Techniques for Mitigation of Liquefaction Hazard	B.V.Sushma	bvsushma@tce.co.in
4.	56	Embankment Construction over Reclaimed Land Using Pre-Fabricated Vertical Drains	R.Radhakrishnan	bharatgeo2003@yahoo.com
5.	78	Stabilization of Slope for Hill Road at Chorla Ghat	V.M.Karpe	vanda_karpe@rediffmail.com
6.	86	Correction of a Lateritic Hill Slide in Goa	D.J.Ketkar	vtgasso@gmail.com
7.	93	Piled Rafts in New York city-Design overview and Case History	M.C.Khoury	mkhoury@langan.com
8.	96	Foundation Design and Construction of North America's Tallest Ferris Wheel	H.Tripathi	htriplathi@langan.com
9.	124	Static and Dynamic Stability of Jointed Rock Slope Evaluated by UDEC	K.S.Rao	raoks@civil.iitd.ac.in
10.	131	Behaviour of flyash reinforced subbases on expansive soil subgrades under cyclic loading	D S V. Prasad	dsvp9@yahoo.com
11.	148	Embankment Slope stabilization with Jute Geotextiles – A case study in NH-2 Allahabad By-Pass	P. K. Choudhury	geotex@ijira.org
12.	152	Geotechnical Investigations in Adverse Geological Occurrence in HRT of Tala H.E. at Kalikhola, Bhutan	Mahabir Dixit	mdixit@nic.in
13.	195	Dynamic Analysis of Matatila Earthen Dam – A Case Study	M.V.Chhatre	cmegha2003@yahoo.com
14.	207-a	Case Study: Ground Improvement Using Stone Columns and PVD	Eldho.C. A	eldhoca1990@gmail.com
15.	248	Analysis and Construction of Cross Passage of Delhi Metro	B.C.B.Hsiung	benson@cc.kuas.edu.tw
16.	253	Effect of Vertically Loaded Pile on Existing Urban Tunnel in Clay	S. Arunkumar	arun175@yahoo.com
17.	280	Ground Movement Prediction For Braced Excavation in Soft Clay	King Shuk Dan	kingshuk_dan@yahoo.co.in
18.	297	Evaluation of Optimum Spacing of Stone Columns	Lakshman Rao	mantri.lakshman@gmail.com
19.	298	Geotechnical Problems of Jack-Up Rig Deployment in Offshore West Bengal and Mahanadi Area of Indian Offshore- Case Studies	Rupam Mahanta	rupam.mahanta@gmail.com
20.	305	Large Size Triaxial Tests on Rockfills for Salma Dam, Afganistan - A Case Study	S.V.Rao	camrad@sify.com
21.	312	Computation of Settlements of Buildings on Soft Soils with Account of Shear Strains Development in Time	V.M.Ulitsky	ulitsky.vladimir@gmail.com
22.	324	3D Stability Analysis of Chenab Bridge Abutments	Alex Varughese	alexvarughese@gmail.com
23.	363	Cyclic Pile Load Test on Large diameter Piles, A Case Study	Anil A Kamat	aa.kamat@jalindia.co.in
24.	368	Dynamic Compaction to Mitigate Liquefaction Potential	Sanjay Gupta	cengrs@gmail.com
25.	387	Challenges in Designing and Unique Revival of an Ancient Tray Well At Indore	A. K. Rao	akrao266@gmail.com
26.	389	Novel Method for Side Wall Protection for Deep Excavation Adjacent to Sea	R. R. Mahuli	rkulkarni@noblegeostructs.com
27.	391	Case Studies of Failure of Basements during Monsoon	D.V.Karandikar	dilipvk2002@yahoo.com

Theme T11: Numerical and Physical modeling

S.No.	Abstract No.	Title of the Paper	First Author	e-mail address of author
1.	12	Interference Effect of Two Nearby Square and Rectangular Footings	Priyanka Ghosh	priyog@iitk.ac.in
2.	26	Model Footing Tests on Fiber Reinforced Soil	Maheswari K.V.	ges_adi@yahoo.com
3.	29	Experimental Study on Load Settlement Behaviour of Sand Foundation	T.K. Nagaraj	tk_nagaraj@yahoo.co.in
4.	42	Finite Element Analysis of Pile-Soil-Cap Interaction Under Lateral Load	Hazarika P. J.	pjhaz@rediffmail.com
5.	45	Computation of Sodium and Chloride Migration through Layered Soil Media Using FDM	R Chakraborty	ritwik.c@rediffmail.com
6.	51	Effect of Particle Shape on the Cyclic Stress-Strain Behaviour of Granular Media	Anitha Kumaro S.D.	anitha@civil.iisc.ernet.in
7.	65	Uplift Capacity of Plate Anchors With Reinforcement	Supia Khatan	sophia_civil@rediffmail.com
8.	72	Performance of Footing on Sand Bed With and Without Reinforcement	W. Mohamed	wajeehmohd@gmail.com
9.	75	Parameter estimation of soil slopes using artificial neural networks	Sarat K Das.	saratdas@rediffmail.com
10.	90	Assessment of the p-y Method for Laterally Loaded Pile in Sand	W. Higgins	william.higgins@uconn.edu
11.	91	Moment rotation relationships of foundations using hyperbolic subgrade response	Padmavathi, M	mpadmace@gmail.com
12.	109	Strain Contours for Footing in Finite Layer	Madhav Madhira	madhavmr@gmail.com
13.	110	Numerical simulation of hypoplastic constitutive model for sand	Adarsh S. C.	adarshchatra@gmail.com
14.	111	Granular anchor pile system for resisting uplift forces	V A Sawant	sawntfce@iitr.ernet.in
15.	121	Stability of Tall Structures Founded on Soft In-Elastic Ground	V. Padmavati	vpadma70@gmail.com
16.	133	Uplift Load Carrying Capacity of Piles in Sand	A K Verma	akvbm@yahoo.co.in
17.	138	Nonlinear 3D Finite Element Analysis of Pile Group Subjected to Lateral Load	K. B. Ladhane	kbladhane@yahoo.co.in
18.	150	Interactive Analysis of Plane Frames on Non-Homogeneous Soils	S. Vernekar	svgec48@gmail.com
19.	182	Numerical Modelling of rigid faced reinforced soil walls under seismic shaking	A Bhattacharjee	bhatta_arup@yahoo.com
20.	205	Estimation of liquid and plastic limit using artificial neural network models	Yeetendra Kumar	yeetendra@rediffmail.com
21.	209	Study of Edge Stresses and Deflections in Whitetopping Overlay on Winkler Foundation	D. R. Jundhare	djundhare@yahoo.com
22.	216	Design Hints for Buried Pipes to Resist Effects of Blast	A. J. Olarewaju	akinolajolarewaju@yahoo.com
23.	226	Development of empirical equation for compressibility of marine clays	Balla Satyanarayana	balla_1670@rediffmail.com
24.	229	Numerical simulation of direct shear test for rock	A.K. Shrivastava	aksrivastava@dce.ac.in
25.	230	Estimation of contact area undergoing shearing for the rock mass	A.K. Shrivastava	aksrivastava@dce.ac.in
26.	234	Use of infinite elements in the dynamic analysis of rigid pavement resting on two parameter soil medium	V A Patil	vikrampatil70@gmail.com
27.	235	Settlement prediction of Geocell-Reinforced clay foundation	Sireesh Saride	sireesh@iith.ac.in
28.	241	Study of Well Foundation under Different Grip Length and Loading Conditions	Ritu Tomar	reettomar@gmail.com
29.	242	Deformability and settlement of jointed rock mass	Rajbal Singh	rajbal_s@yahoo.co.in
30.	245	3D Finite element analysis of railway tracks	L S Sowmiya	sowmiya_lazarus@yahoo.co.in

31.	247	Effect of compressive load on uplift capacity of pile groups embedded in sand	K Shanker	kandikurishanker@yahoo.com
32.	268	Effect of piles on response of raft foundations	Sandeep Rai	sandeep.r@iitg.ernet.in
33.	274	Simplified Non-Linear Theory of vertical Consolidation of Thick Clay Layers	P. Ayub Khan	akp1468@gmail.com
34.	296	Lateral Response of Pile Groups Under Combined Loading in Sandy Soil	S. Karthigeyan	mahamaha2001@yahoo.com
35.	302	Model Study of Vertical Rigid Piles Subjected To Central Inclined Loads	N H Joshi	nhjmsu@yahoo.co.in
36.	304	Empirical correlations of Surat region expansive soils parameters based on swelling characteristics	K S Berawala	khushboo_berawala@yahoo.co.in
37.	307	Effect of Depth of Footing and Water Table on Bearing Capacity of Soil	M. S. Dixit	manishsdixit@gmail.com
38.	309	Mesh-free modeling of non-homogeneity in the rock mass structure	S. M. Binesh	binesh@sutech.ac.ir
39.	316	Optimal design of composite channels considering slope stability criterion	Adarsh S	adarsh_1ce@yahoo.co.in
40.	334	Mechanism of encased stone columns	S N Malarvizhi	snmalar@isac.gov.in
41.	342	3D-Simulation of underground excavation process	Moataz A A	nksamfce@iitr.ernet.in
42.	346	Compressive loading effects on uplift response of pile groups in sand: Analysis & Experimental Investigations	A.C.Joshi	dejoshzones@gmail.com
43.	348	Dynamic soil-pile interactions and pile cap-soil-pile interactions in triangular pile groups	P K Emani	pk.emani@gmail.com
44.	353	Effect of non-homogeneity of ground on ultimate pullout capacity of granular pile anchors	B Vidyaranya	vidyaranya_b@yahoo.co.in
45.	365	Modelling of pollutant movement through saturated porous media: Centrifuge study	P. Rajasekhar	sekharpr@iitb.ac.in
46.	366	Physical Model Study of Scouring Effects on Pier Foundations of Bridges	Eldho T.I.	eldho@civil.iitb.ac.in
47.	371	Constitutive modeling of anisotropic behavior of natural clays	Martin D L	vinod@uow.edu.au
48.	392	Endochronic modeling of static triaxial response of sand	Krishna Kumar S	boomi@iitm.ac.in
49.	406	Numerical modeling of piled raft foundation in soft clays	B. Gopinath/Juneja	binilgopinath@yahoo.com

Theme T12: Field testing, instrumentation and monitoring

S.No.	Abstract No.	Title of the Paper	First Author	e-mail address of author
1.	19	Evaluation of Pile Integrity using Cross Hole Sonic Logging Testing	Ravikiran Vaidya	ravikiran.vaidya@gmail.com
2.	20	Pile foundation as settlement reducer for large MS storage tanks	Anirudhan I.V.	anirudhen@eth.net
3.	21	Instrumented cyclic and lateral pile load test for the proposed air traffic control tower at Mumbai international airport, Mumbai	S M Ghan	sandeepghan@Intecc.com
4.	23	High Strain Dynamic Pile Testing and Static Load Test – A Correlation Study	S. Y. Mhaiskar	sharad_55@yahoo.co.uk
5.	136	Effect of saturation on the stiffness of finite sand stratum under vertical vibrations	H.N.Ramesh	rheddur@gmail.com
6.	142	Comparative Study between Laboratory and Field CBR by DCP and IS Method	S Bhattacharjee	s_bhattacharjee2007@yahoo.co.in
7.	152	Geotechnical Investigations in Adverse Geological Occurrence in HRT of Tala H.E. at Kalikhola, Bhutan	Mahabir Dixit	mdixit@nic.in
8.	164	Field and Laboratory Investigations on Subgrade Layer of Low Volume Roads	Ankit Gupta	ankitdce@iitr.ernet.in
9.	202	Analysis of Filed Control Tests Data for Reliability at S.E.Z Project, Surat, Gujarat	Nehal Desai	nehal378@hotmail.com
10.	260	Geotechnical Instrumentation in Earth and Rock-fill Dams	Vinod Kumar Mauriya	vkmfes@gmail.com
11.	281	Performance evaluation of an underground penstock bifurcation – A case study	Hanumanthappa M S	msh_cwprs@yahoo.com
12.	282	Designing and Construction of Piles Under Various Field Conditions	B.P.Naveen	bp.naveen18@hotmail.com
13.	290	Shear Strength of Dam-Foundation Rock Interface – A Case Study	A K Ghosh	emerald249@yahoo.co.in
14.	338	Pile Termination Criteria for Rock Socketed Piles in Mumbai – A New Approach	Makarand G. Khare	makarandkhare@yahoo.com

Theme T13: Risk assessment and reliability in geotechnical engineering

S. No.	Abstract No.	Title of the Paper	First Author	e-mail address of author
1.	77	Reliability based design of slopes under seismic load : Load Resistance Factor Design (LRFD) approach	S Haldar	sumanta@iitbbs.ac.in
2.	97	Risk Management to Reduce Substructure Leakage	Satishkumar V	satish.dae@gmail.com
3.	139	Probabilistic analysis of load –displacement response of shallow foundation on sand using kalman filter approach	V.P Patil	vppatil@civil.iisc.ernet.in
4.	168	Reliability Based Evaluation of Seismic Response of Tunnels Considering Random Uncertainties	S Mallika/ Prof. GV	gveecivil@gmail.com
5.	180	Reliability based optimum design of sheet pile wall using a simple optimization tool	Manas Ranjan Das	manasd.iter@gmail.com
6.	244	Reliability evaluation of earth slopes based on first order reliability method	G. Bhattacharya	bhattacharyag@gmail.com
7.	372	Reliability Analysis for the Stability of Slope in Mumbai Region	Huzefa H. Sukeriwala	huzefa.sakriwala@gmail.com

Theme T14: Remote sensing, GIS and GPS Applications

S. No.	Abstract No.	Title of the Paper	First Author	e-mail address of author
1.	39	Remote Sensing & GIS in Soil & Land Use for Resources Management in Two Semi-Arid States of Brazil	H. S.Teotia	teotia@terra.com.br
2.	59	Reservoir Capacity Loss Estimation Using Satellite Data – A Case Study	Uday C. Roman	ucroman2003@yahoo.co.in
3.	175	Application of RS and GIS for land use/land Cover mapping & Change Detection in Madurai District, TN	C.Sivakami	sivakamimaya@yahoo.com
4.	194	Sustainable Water Resource Management of Pawas Watershed using Remote Sensing And GIS	A. J. Shirke	shirkeaj@gmail.com
5.	311	Assessment of groundwater recharge potential zone - A GIS based approach	S Singh	saumyasingh17@yahoo.co.in
6.	327	Use of Geomatic Technology for Disaster Management (Tsunami Disaster Damage Detection - Case Study in Sri Lanka)	Reshma Raskar	reshmaraskar@gmail.com
7.	364	Sedimentation analysis of Gangapur reservoir	M B Nakil	mahendran@iitb.ac.in
8.	395	Identification of Fresh Groundwater Areas Using Remote Sensing and GIS	Kunal K. Singh	kunal_singh@iitb.ac.in

Theme T15: Geotechnical education and professional practice

S.No.	Abstract No.	Title of the Paper	First Author	e-mail address of author
1.	38	Development of Spreadsheet for Correlation of Soil Properties	S. J. Shah	syedjshah@gmail.com
2.	68	New challenges and opportunities in geo-environmental engineering	S.S. Aldonkar	haldankarsmita@gmail.com
3.	215	On the nature of secondary compression in soils	S. K. Jain	sk.jain@juit.ac.in
4.	258	Interpretation of geotechnical report	Sanjeev Gupta	sanjeevgupta@tce.co.in
5.	263	Geotechnical Education and Professional Practices	Satyendra Dubey	satujjain@gmail.com
6.	275	Are finishing schools necessary for the geotechnical engineering profession?	Dr. Manchikanti	manchisri@yahoo.com

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