

NEWSLETTER

January - December 2021

Indian Society of Earthquake Technology

Co-Editor: P. C. Ashwin Kumar

(Established in 1962; Registration No. 845/64-65)

Department of Earthquake Engineering Building Indian Institute of Technology Roorkee, Roorkee-247 667, India

(Affiliated to International Association for Earthquake Engineering)

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From the Desk of the Secretary



I am honoured in being nominated as Secretary of ISET for the term 2021-2023. Indeed, it is my great pleasure to assume this responsibility. At the outset, on behalf of the ISET, I would like to thank the members of outgoing executive committee for their tireless efforts for last two years of the society. New executive committee has assumed the charge with effect from 16th August, 2021.

On behalf of the new EC and on my personal behalf, I assure you that under the dynamic leadership of its President Prof. T.G. Sitharam, Director, IIT Guwahati and Vice-President Prof. B.K. Maheshwari, Department of Earthquake Engineering, IIT Roorkee, new E.C. is determined to accelerate the functioning of ISET. All members of new

team are dedicated to rejuvenate and synergize the society. Efforts have been already started for this noble cause and I seek cooperation of each and every member of ISET, this in turn will lead to greater strength and energy.

One of the most important agenda of this two-year term is to rejuvenate the local chapters and formations of Students Chapter as these are the pillars and wings of the society. Unfortunately, at many chapters, elections have not been held from a long time and as a result few chapters are in a dormant state, these needs to be resolved as early as possible. Also opening of new chapters is welcomed in the city/state where this chapter has not been established yet.

We have already updated ISET website and gearing-up for publication of ISET journals timely. Also, I request all the members to come forward to enhance the membership of the society and create vibrant atmosphere that breeds front runners, innovators, academicians, scientists, engineers, and entrepreneurs in earthquake engineering innovations. I welcome your thoughts and ideas in our continuing mission of excellence at ISET.

Thank you and best wishes to all of you.

(Prof. Vishwas A. Sawant)
Secretary, ISET
Prof., Dept. of Civil Engg.
I.I.T. Roorkee

Call for Papers

ISET Members are invited to submit their research papers for possible publication in the ISET Journal of Earthquake Technology. The PDF file of the manuscript should be submitted to the Editor electronically on journal editor email ID at editor@iset.org.in for possible publication of an article in the Journal. The submission may please be copied to matsagar@civil.iitd.ac.in and ravi.jakka@eq.iitr.ac.in

Message from Co-Editor, ISET



Dear Members,

I feel honored to be nominated by the Executive Committee of ISET as a Co-Editor of ISET for the term 2021-2023. It is my great pleasure to assume this responsibility. At the outset, on the behalf of ISET, I thank the outgoing Co-Editor, Dr. P.K.S Chauhan for his services for the society for the terms 2017-2019 & 2019-2021 and for his immense contribution in improving quality of the News Letter.

I use this opportunity to assure all members of ISET from my side that best efforts would be done for further improving the quality of the News Letter. I invite suggestions from all the members of ISET for further improving the quality of the News Letter. Any suggestions in this regard may be sent through

e-mail to **office@iset.org.in.** Members may also send any information (on this e-mail) that they wish to get published in the next News Letter of ISET (which may be of interest to its readers).

Thank you and best wishes to all of you.

(Dr. P. C. Ashwin Kumar) Co-Editor, ISET Assistant Professor Dept. of Earthquake Engg. I.I.T Roorkee

Brief Report of One Week STTP on "Advances in Geotechnical Earthquake Engineering" Organised by IGS Aurangabad Chapter (25- 29 Oct. 2021)

One Week STTP on "Advances in Geotechnical Earthquake Engineering" was jointly Organised by IGS Aurangabad Chapter & Soil Dynamics Forum, ISET in association with Civil Engineering Department, Marathwada Institute of Technology, Beed by pass road, Aurangabad & Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad from 25th - 29th October 2021.

The workshop started with a formal inauguration session at 10:45 am on 25 October 2021 through the online platform ZOOM. This included a welcome speech of the Convener; Dr. M.S. Dixit (HCED, MIT Aurangabad &IGS Aurangabad chapter) followed by introductory speeches by co-conveners Dr. Ravi S. Jakka (Secretary, Soil Dynamics forum, ISET) and Dr. S.M. Pore (Professor, DBATU, Lonere). After this, Dr. N.G. Patil (Director, MIT, Aurangabad) and President IGS, Dr. N.K. Samadhiya (IIT Roorkee) addressed the



The aim of the STTP was to enhance the participants with the concepts of Geotechnical Earthquake Engineering, Seismic response of reinforced retaining walls, Influence of local soil conditions on seismic site response, Influence of Soil Conditions on Design Response Spectra, Seismic hazards and Risk Assessment, Seismic design of slopes and embankments, Physical modelling of earthquake effects, liquefaction, Modeling of Elements for Analysis,

participants.

Seismic aspects of Pile

165 participants registered for this STTP out of which 50% were faculty members, 12% Industry person/Consultants, 14% Research Scholars and 24% UG/PG Students. Participants consisted of Faculty members of renowned institutions, Research scholars and UG/PG Students from Odisha, Telangana, Karnataka, Maharashtra, Chennai, New Delhi, Guwahati, Gujrat, Uttarkhand, Roorkee, Rajasthan, West Bengal, Uttar Pradesh, Madhya Pradesh, Assam, Port Blair-Adaman & Nicobar Islands, Mizoram and from other countries like United Kingdom and Bhutan. During valedictory session, some of the participants shared their overall feedback about STTP. Vote of Thanks was delivered by Er. S. G. Quadri, Joint Secretary IGS Aurangabad Chapter.







1st Webinar Series on GEOTECHNICAL EARTHQUAKE ENGINEERING (November 2021 to October 2022)

Organized under

Prof. Shamsher Prakash Chair, IIT Roorkee

As a part of

Diamond Jubilee Celebrations of ISET

About 1st WS-GEE:

The 1st Webinar Series on Geotechnical Earthquake Engineering (GEE) will be held online. A number of webinars by academician, eminent scientist or practicing engineer of international repute will be delivered online. In last two decades, activities and requirement of GEE has increased in India due to many big infrastructure projects including high rise buildings, bridges, dams and power plants. Therefore, this webinar series will help in enhancing the knowledge of faculty, students and engineers to deal with geotechnical issues during earthquakes.

Themes:

Geotechnical issues during earthquakes, Dynamic soil properties—measurement and evaluation, Ground response analysis-linear and nonlinear, Liquefaction of soils during earthquakes, Soil improvement for remediation of seismic hazards, Earthquake resistant design of foundations: dynamic bearing capacity, foundation alternatives, code provisions, Seismic Soil-Structure-Interaction — including pile groups, Seismic slope stability — landslides and slope failures, Seismic design of embankment and earth dams, Dynamic earth pressure and Seismic design of retaining walls Seismic Safety of underground and Buried Structures and Pipelines, Vibrations of machine foundations, Seismic Microzonation, Geotechnical Issues including tsunami for offshore structures, Public Awareness, Outreach for GEE hazards, Early Warning Systems for Landslides and Liquefaction

Honorary Founder Patron

Prof. Shamsher Prakash

Professor Emeritus of Civil Engineering Missouri Science and Technology, Rolla, USA

Patrons

Prof. A.K. Chaturvedi

Director, Indian Institute of Technology Roorkee

Prof. T.G. Sitharam

President, Indian Society of Earthquake Technology Director, Indian Institute of Technology Guwahati

Dr. N. Gopalakrishnan

Director, CSIR-Central Building Research Institute,

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Prof. Pankaj Agarwal, Head, DEQ, IIT Roorkee **Prof. Mahendra Singh,** Chair, IGS Roorkee Chapter

Supported by







Honorary Chair

Prof. Ikuo Towhata Univ. of Tokyo (TC203 Represent.)

Chair

Prof. B.K. Maheshwari

DEQ, IIT Roorkee & Vice President, ISET

Co-Chairs

Dr. V.A. Sawant, CED, IIT Roorkee, Secretary, ISET
Dr. Ravi S. Jakka, DEQ, IIT Roorkee (ECM, ISET)
Dr. Rajib Sarkar, IIT (ISM), Dhanbad (ECM, ISET)
Dr. Kaustav Chatterjee, IIT Roorkee (ECM, IGS RKE Ch)
Dr. Ritesh Kumar, DEQ, IIT Roorkee
Mr. Manojit Samanta, CSIR-CBRI, Roorkee

Extended Organizing Committee

All faculty of DEQ, EC members of ISET and IGS Roorkee

Editors of the Proceedings (Springer)

Prof. B.K. Maheshwari and Prof. T.G. Sitharam

For more details:



gee.webinars@iitr.ac.in

S. No	Name	Designation & Affiliation	Date / Month					
	Inaugurated by Prof. Kenji Ishihara, Chuo University, Japan on Dec. 8, 2021							
1.	Prof. Misko Cubrinovski	University of Canterbury, New Zealand	Dec. 8, 2021					
		YEAR 2022						
2.	Prof. Ikuo Towhata	Prof. Emeritus, University of Tokyo, Japan	Jan. 27 at 2:30 PM					
3.	Prof. Scott J. Brandenberg	University of California at Los Angeles, USA	Feb 10 at 9:00 AM					
4.	Prof. Sebastiano Foti	Politecnico di Torino, Italy	March 24 at 2:30 PM					
5.	Prof. Ioannis Anastasopoulos	ETH Zurich, Switzerland	April 13 at 2:00 PM					
6.	Prof. Jonathan D Bray	University of California at Berkeley, USA	May 11 at 7:00 PM					
7.	Prof. Ross W Boulanger	University of California at Davis, USA	June					
8.	Prof. D. Choudhuary	Indian Institute of Technology Bombay, India	June					
9.	Prof. Kyle M Rollins	Brigham Young University, USA	July					
10.	Prof. T.G. Sitharam	Indian Institute of Technology Guwahati, India	August					
11.	Prof. George Gazetas	National Technical Univ. of Athens, Greece	Sept. 20 at 3:30 PM					
12.	Prof. M.H. El Naggar	Western University, Canada	October					

17th Symposium on Earthquake Engineering November 14-17, 2022, Roorkee, India

Organized by Department of Earthquake Engineering, Indian Institute of Technology Roorkee and Indian Society of Earthquake Technology, Roorkee-247 667

THEMES:

- Engineering Seismology and Seismotectonics.
- Experience Derived from Recent Earthquakes and Tsunamis.
- Earthquake studies using GIS/GPS/SAR/Remote Sensing.
- Earthquake Hazard Assessment.
- Seismic Microzonation and Urban Planning.
- Seismic Instrumentation Strong Ground Motion, Site Characterization and its Effects.
- Dynamic Properties of Soils and Ground Response.
- Liquefaction.
- Ground Improvement Techniques for Seismic Hazards
- Computational Soil Dynamics
- Offshore Foundations
- Nonlinear Ground Response Analysis
- Experimental Soil Dynamics
- Earthquake Resistant Analysis and Design of Foundations.
- Dynamic Soil-Structure Interaction.
- Seismic Slope Stability Analysis.
- Seismic Analysis and Design of Earth Retaining Structures.
- Seismic Safety of underground and Buried Structures and Pipelines.
- Special Materials, Structures and Systems.
- Earthquake Response Analysis, Design and Construction.

- Codal Provisions on Earthquake Resistant Design.
- Seismic Vulnerability, Risk and Resilience Assessment.
- Structural Response Control.
- Seismic Evaluation and Retrofitting of Structures.
- Seismic Safety of non-structural Components, Equipment and Services in Buildings.
- Seismic Safety of Industrial Structures and Thermal and Nuclear Power Stations.
- Seismic Safety of Bridges and Dams.
- Seismic Safety of Historical structures and Monuments.
- Seismic Safety of Offshore and Onshore Structures, including Effects of Tsunami.
- Damage Detection and System Identification.
- Seismic Resilience Life Line and Urban Systems.
- Seismic Testing of Structures and Equipment.
- Earthquake Disaster Mitigation and Management.
- Human Response and Socio-Economic issues.
- Post-earthquake Rehabilitation.
- Earthquake Engineering Education.
- Public Awareness, Participation and Enforcement of Building Safety Laws.
- Earthquake Prediction and Early Warning System.

REGISTRATION:

Information for registration will be provided shortly on the website: https://www.iitr.ac.in/17see/index.html

SPONSORSHIP:

In order to make the Symposium a success, Institutions and Organizations are requested to co-sponsor the Symposium. The details of Sponsorship fees are as under:

Type of Sponsorship	Fees *
Platinum Sponsor	₹ 5.00 Lakhs (06 free delegates)
Diamond Sponsor	₹ 3.00 Lakhs (05 free delegates)
Gold Sponsor	₹ 2.00 Lakhs (04 free delegates)
Silver Sponsor	₹ 1.00 Lakhs(03 free delegates)
Exhibitor/Supporter	₹ 0.50 Lakhs (02 free delegates)

^{*}Excluding GST. The name of sponsors will be prominently acknowledged and displayed at this conference website and at the venue of the symposium.

Address for Correspondence:

Prof. P.C. Ashwin Kumar, Organizing Secretary, 17 SEE-2022, Department of Earthquake Engineering, Indian Institute of Technology Roorkee, Roorkee 247 667, Uttarakhand, India Tel.: +91-1332-285775, Email: *17see@iitr.ac*.

Brief Report for Inaugural Ceremony of the Prof. D.K. Paul Commemorative Workshop

The Dept. of Earthquake Engg., IIT Roorkee in association with the ISET Roorkee Chapter had organized a **commemorative workshop** on "Earthquake Engineering and Disaster Mitigation", in remembrance of Late Prof. D.K. Paul on his 1st death anniversary, 27th Dec. 2021. The workshop had been conducted in hybrid mode.



Prof. Paul was a leading authority in the field of Earthquake Engineering and Earthquake Disaster Mitigation. He was the President of ISET, the Deputy Director & Emeritus Professor of IIT Roorkee. Prof. Paul had also served as the Chairman of the Earthquake Engineering Sectional Committee, CED 39 of the Bureau of Indian Standards for several years.

More than 75 delegates have taken part in the workshop online, while around 50 have attended it offline. The event was coordinated by Dr. Ravi S. Jakka, Associate Professor, Dept. of Earthquake Engg., IIT Roorkee and was chaired by Prof. Yogendra Singh, Dept. of Earthquake Engg., IIT Roorkee. Glimpse of the

workshop is available at: https://photos.app.goo.gl/o2fCdoFfSZosuw758

The 41st ISET Annual Lecture & 50th ISET Annual General Body Meeting

ISET has organized the 41st ISET Annual Lecture and the 50th ISET Annual General. **Prof. Ellen M. Rathje**, Janet S. Cockrell Centennial Chair, Depart. of Civil, Architectural, and Environmental Engineering, University of Texas, Austin, U.S.A. has delivered the ISET Annual Lecture entitled, "**ADVANCES IN SITE RESPONSE ANALYSIS FOR DESIGN-LEVEL GROUND MOTIONS**" online on April 16, 2021. Prof. T.G. Sitharam, President, ISET and Director, IIT Guwahati presided over the function. The abstract of the Lecture is given below:

One dimensional (1D) site response analysis is one of the most commonly performed types of analysis in geotechnical earthquake engineering, yet recent studies have suggested that surprisingly few sites are modeled well by 1D analysis. This presentation will describe recent research that utilizes ground motions from a large



41st ISET Annual Lecture by Prof. Ellen Rathje

number of downhole arrays to evaluate the accuracy of 1D site response analysis over a wide range of ground motion levels. First, low intensity motions will be utilized to assess the accuracy of 1D analysis at small-strains, and an approach will be outlined that incorporates the horizontal to vertical spectral (HVSR) to identify, apriori, sites that

can be modeled well by 1D analysis. Next, moderate to large intensity motions will be used to assess 1D site response analysis at the larger strain levels that are often associated with design ground motions. The potential for overdamping of high frequencies in these cases will be demonstrated, and solutions that can correct for this effect will be outlined. Finally, the unique capabilities of the Strata site response program will be introduced, with particular emphasis on the functionalities that improve site response predictions at large strains.

Dr. Ravi S. Jakka, Secretary, ISET proposed vote of thanks. The Annual Lecture was attended online by large number of Faculty, Engineers, Academicians and Students. The 41st ISET Annual Lecture was followed by 50th Annual General Meeting in on line mode. The 41st ISET Annual Lecture can be viewed at https://youtu.be/M5iunXihkjQ

CONFERENCE REPORT: HIGHLIGHTS OF THE 7ICRAGEE

The 7th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics (7ICRAGEE) was successfully organized in exclusively virtual mode, by the Indian Society of Earthquake Technology (ISET), in association with IISc Bengaluru, and Dept. of Earthquake Engg., IIT Roorkee during 12-15 July, 2021.

The conference commenced, with the inaugural ceremony on 12th July at 9:00 AM, with the lighting of lamp by the dignitaries. Prof. TG Sitharam, Chairman, 7ICRAGEE, President, ISET and Director, IIT Guwahati delivered the welcome address in which he emphasized the role of ICRAGEE conferences in the advancement of Geotechnical Earthquake Engineering and thanked Prof. Shamsher Prakash for handing over the responsibility of organizing ICRAGEE conferences to ISET. It was followed by messages from Prof. Shamsher Prakash, and patrons: Prof. Ajit Chaturvedi, Director, IIT Roorkee, and Dr. N. Gopalakrishnan, Director, CBRI Roorkee. The conference was inaugurated by Dr. RK Bhandari, Chairman, Forum on Engineering Interventions for Disaster Mitigation, Indian National Academy of Engineering, and Shri Dr. Himanta Biswa Sarma, Hon'ble Chief Minister of Assam. Dr. R.K. Bhandari, in his address, emphasized the need to ensure quality in the enormous research output being generated and appealed to the geotechnical community at large to come together and make efforts to reduce the ever-increasing gap between research and practice. Shri Dr. Himanta Biswa Sarma, Hon'ble Chief Minister of Assam addressed the audience and dedicated the Centre for Disaster Management and Research (CDMR) at IIT Guwahati to the people of Assam and entire Northeast India. Conference exhibition Stalls were inaugurated by Prof. N.K. Samadhiya, President, IGS. Dr. Ravi Jakka, Organizing Secretary, 7ICRAGEE and Secretary, ISET presented the conference highlights, while the vote of thanks was proposed by Dr. Sreevalsa, Organizing Secretary, 7ICRAGEE.

The virtual Conference platform was created with several interactive features providing a matching experience to a conventional offline conference. The e-resource corner, hosting the conference proceedings and the presentation materials was created for the participants to download. As on date, the Keynote Volume has garnered more than 10,000 downloads. The other conference volumes too have a similar number of downloads. Within the E-Resource corner, a text chat option to interact with the authors of the technical papers and posters was also provided. Interactive features like video and text chat rooms based on the conference themes were made available in the virtual networking lounge, to facilitate networking with the relevant experts. Similarly, a virtual exhibition hall was created to ensure the participants get to know the latest developments in the industry and explore new opportunities. Daily online live Yoga sessions were organized every morning from 7:15 AM to 8:00 AM Indian Standard Time, during the conference days for the participants to experience authentic Yoga. Also, a grand online live cultural evening was organized on the evening of 13th July, starting from 6:30 PM.

More than 1200 participants registered for attending the conference. Around 600 abstracts were received, out of which 250+ papers were finally published, in the Springer book volumes. 7ICRAGEE marked the introduction of the ISET Shamsher Prakash Distinguished Lecture as part of the ICRAGEE conferences. The 1st ISET Shamsher Prakash Distinguished Lecture was delivered by Prof. Kenneth Stokoe on 'The Increasing Role of Surface-Wave Measurements in Site Characterization'. A large number of invited lectures were planned to be delivered during the conference to benefit the participants from both the industry and the academia. Out of 55 planned invited lectures, 53 lectures were delivered. Two speakers could not deliver their talks due to some unexpected emergencies. Overall, 1 Distinguished Lecture, 10 Keynote Lectures, 26 State-of-the-Art-and-Practice Lectures and 16 Special Lectures were delivered during 7ICRAGEE. The invited lectures covered the entire gamut of Geotechnical Earthquake Engineering and Soil Dynamics. Care was taken, to ensure that, the participants gain global as well as Indian perspectives, on various research areas of Geotechnical Earthquake Engineering and Soil Dynamics, in equal measure. 140 papers were presented in 28 Technical Sessions. Best paper presentations were selected solely based on the recommendations of the Chairs and Co-chairs of the respective sessions.

The conference ended with a panel discussion moderated by Dr. Aswath, President, ACCE (India). The panel opined that, to improve collaboration among structural and geotechnical engineers, case histories in geotechnical engineering, in general, and Geotechnical Earthquake Engineering in particular, should be made a part of the education and training of every civil engineer. They also added that geotechnical societies should come together and compile a book on case histories in geotechnical engineering (which should be updated at regular intervals) that can be made a compulsory reading as part of the 'Introduction to Civil Engineering' course. The panel discussion concluded by emphasizing the role of Geotechnical Earthquake Engineering in achieving Sustainable Development Goals and building a resilient world, through accurate hazard estimation by seismic microzonation and Multi-Hazard Disaster Risk Assessment studies.

The conference ended with the valedictory session, where stalwarts of Earthquake and Geotechnical Engg. were remembered. Overall, the conference was much appreciated by the delegates, speakers, and chairs, for facilitating the dissemination of a mammoth information on the topic and for the excellent management in organizing the sessions. It stood as the first-of-its-kind online conference in Geotechnical Engineering over a

one-to-one interactive platform with the exceptional coverage of a wide range of research areas and invited speakers, ensuring the best quality of presentations and papers.

Glimpses of 7ICRAGEE





Lobby Area of 7ICRAGEE Conference

Inaugural & Keynote sessions - Plenary Hall





Keynotes by Prof. Charles Ng., President, ISSMGE & Prof. Elgamal

State-of-the-Art-and-Practice Prof. Brady Cox

Lecture

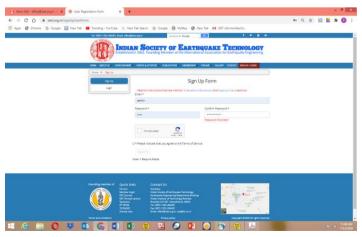
by

Report of "Indo-Chile Workshop on Recent Advancements in Geotechnical Earthquake Engineering" organized by S.R.K.R. Engineering College, Andhra Pradesh, online during 7th - 9th Sept 2021

Department of Civil Engineering, S.R.K.R. Engineering College, Bhimavaram, Andhra Pradesh have organized the "Indo-Chile Workshop on Recent Advancements in Geotechnical Earthquake Engineering" (online) during 7th - 9th Sept, 2021, in association with **Soil Dynamics Forum, ISET**, Department of Civil Engineering, University of Chile, and IGS Kakinada Chapter.

Online Application for ISET Membership

The homepage of the Society has been updated and a new online membership platform has been created to facilitate joining of new members. For applying membership online, please log on to: https://www.iset.org.in/signUpUserForm



Invitation for Nominations for ISET TRIFUNAC AWARD FOR SIGNIFICANT CONTRIBUTIONS IN STRONG MOTION EARTHQUAKE STUDIES – 2022

Prof. M.D. Trifunac, Honorary Fellow of the Indian Society of Earthquake Technology (ISET) and Professor of Civil Engineering, University of Southern California, Los Angeles, U.S.A. has instituted a 4-yearly "ISET Trifunac Award for Significant Contributions in Strong Motion Earthquake Studies" to honour individuals for their outstanding contributions in Strong Motion Earthquake Studies. The award consists of an award money of INR 30,000/- and a Citation. This award was instituted on December 17, 2002 and has been given for the years 2002, 2006, 2010, 2014 & 2018 to Prof. Francisco J. Sánchez-Sesma, UNAM, Mexico; Dr. David M. Boore, U.S. Geological Survey, California, USA.; Prof. Alexander A. Gusev, Institute of Volcanology and Seismology, Russia; Dr. Pierre-Yves Bard, Senior Scientist, IFSTTAR, Grenoble, France and Prof. Vincent W. Lee, Sonny Astani Department of Civil & Environmental Engineering, University of Southern California, USA respectively.

Any member of the Society may either nominate a person for this award or forward nomination paper of persons who are not members of the Society. Nominations on plain paper must reach the President, ISET on or before **May 10, 2022**. Each nomination should be accompanied by a detailed bio-data of the person nominated highlighting his/her achievements in area of specialization identified for this award including the following information.

- 1. Name of the candidate with date of birth.
- 2. Complete postal address and telephone, mobile, fax number, e-mail.
- 3. Chronology of education and positions held.
- 4. Complete list of refereed publications in journals.
- 5. A statement of 500 words on the significant contributions made by the nominee.
- 6. Any other relevant information.

Kindly send the completed nomination (as a single PDF) through email to president@iset.org.in with a copy to office@iset.org.in. For any further information, please contact: Prof. T.G. Sitharam, President, ISET & Director, IIT Guwahati, E-mail: proftgs@gmail.com, president@iset.org.in, office@iset.org.in

Invitation for Nominations for ISET SHAMSHER PRAKASH AWARD FOR SIGNIFICANT CONTRIBUTIONS IN GEOTECHNICAL EARTHQUAKE ENGINEERING-2022

Prof. Shamsher Prakash, Honorary Fellow and former President of the Indian Society of Earthquake Technology (ISET) and Professor Emeritus, Department of Civil Engineering, Missouri University of Science and Technology, Rolla, MO 65409-0030, USA has instituted a 4-yearly "ISET Shamsher Prakash Award for Significant Contributions in Geotechnical Earthquake Engineering" to honour individuals for their outstanding contributions in Geotechnical Earthquake Engineering. The award consists of an award money of INR 51,000/-, plus a Shawl, and a plaque. This award was instituted on March 12, 2008. The award has been given for the year 2010 to Prof. W.D. Liam Finn, Department of Civil Engineering, University of British Columbia, Vancouver, BC Canada. The award has been given for year 2014 to Prof. George Gazetas, National Technical University Athens (NTUA), Greece, and Prof. Ricardo Dobry, Institute Professor and Director, NEES-NSF Geotechnical Centrifuge Research Center, NY 12180, USA. The award has been given for year 2018 to Prof. Ross W. Boulanger, Department of Civil and Environmental Engineering, University of California, Davis, USA and Prof. Ikuo Towhata, Towhata Architects and Engineers, Japan.

Any member of the Society may either nominate a person for this award or forward nomination paper of persons who are not members of the Society. Nominations on plain paper must reach the President, ISET on or before **May 10, 2022**. Each nomination should be accompanied by a detailed bio-data of the person nominated highlighting his/her achievements in area of specialization identified for this award including the following information.

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- 6. Any other relevant information.

Kindly send the completed nomination (as a single PDF) through email to president@iset.org.in with a copy to office@iset.org.in. For any further information, please contact: Prof. T.G. Sitharam, President, ISET & Director, IIT Guwahati, E-mail: proftgs@gmail.com, president@iset.org.in, office@iset.org.in

Invitation for Nominations for ISET V.H. JOSHI AWARD FOR SIGNIFICANT CONTRIBUTIONS IN STRUCTURAL DYNAMICS-2022

Prof. V.H. Joshi, Life Fellow & Former President of the Indian Society of Earthquake Technology (ISET) and Prof. (Retd.), Department of Earthquake Engineering, IIT Roorkee has instituted a 4-yearly "ISET V.H. Joshi Award for Significant Contributions in Structural Dynamics" to honour individuals for their outstanding contributions in Structural Dynamics. The award consists of an award money of INR 1,25,000/-, and a Citation. This award was instituted on December 01, 2012 and has been given for the year 2014 to Dr. Subrata Chakraborty, Professor, Dept. of Civil Eng., Indian Institute of Eng. Science and Tech. Shibpur, Howrah.

Any member of the Society may either nominate a person for this award or forward nomination paper of persons who are not members of the Society. Nominations on plain paper must reach the President, ISET on or before **May 10, 2022**. Each nomination should be accompanied by a detailed bio-data of the person nominated highlighting his/her achievements in area of specialization identified for this award including the following information.

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Kindly send the completed nomination (as a single PDF) through email to president@iset.org.in with a copy to office@iset.org.in.

For any further information, please contact: **Prof. T.G. Sitharam**, President, ISET & Director, IIT Guwahati, E-mail: **proftgs@gmail.com**, **president@iset.org.in**, **office@iset.org.in**

Invitation for Nominations for ISET BIOT AWARD FOR SIGNIFICANT CONTRIBUTIONS IN EARTHQUAKE ENGINEERING WITH EMPHASIS ON BIOT RESPONSE SPECTRUM METHOD-2022

Mrs. Nadine Biot, Avenue Paul Hymans, 117 Bte 34, B 1200 Brussels, Belgium has instituted a 4-yearly "ISET Biot Award for Significant Contributions in Earthquake Engineering with emphasis on Biot Response Spectrum Method" in the name of Dr. Maurice A. Biot to honour individuals for their outstanding contributions in Earthquake Engineering with emphasis on Biot Response Spectrum Method. The award consists of an award money of INR 2,00,000/- and a Citation. This award was instituted on March 02, 2016. The award has been given for the year 2018 to **Prof. Mihailo D. Trifunac**, Sonny Astani Department of Civil & Environmental Engineering, University of Southern California, Los Angeles, USA.

Any member of the Society may either nominate a person for this award or forward nomination paper of persons who are not members of the Society. Nominations on plain paper must reach the President, ISET on or before **May 10, 2022**. Each nomination should be accompanied by a detailed bio-data of the person nominated highlighting his/her achievements in area of specialization identified for this award including the following information.

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- 4. Complete list of refereed publications in journals.
- 5. A statement of 500 words on the significant contributions made by the nominee.
- 6. Any other relevant information.

Kindly send the completed nomination (as a single PDF) through email to president@iset.org.in with a copy to office@iset.org.in

For any further information, please contact: **Prof. T.G. Sitharam**, President, ISET & Director, IIT Guwahati, E-mail: **proftgs@gmail.com**, **president@iset.org.in**, **office@iset.org.in**

Invitation for Nominations for ISET T.G. SITHARAM MID-CAREER RESEARCH AWARD FOR INNOVATIONS IN GEOTECHNICAL EARTHOUAKE ENGINEERING IN INDIA-2022

A 4-yearly award in the name of Prof. T.G. Sitharam, Director, IIT Guwahati and President of the Indian Society of Earthquake Technology (ISET) has been instituted by the Students of Prof. T.G. Sitharam named as "ISET T.G. Sitharam Mid-career Research award for Innovations in Geotechnical Earthquake Engineering" to honour mid-career researchers for their innovations and outstanding contributions in Geotechnical Earthquake Engineering. The award consists of an award money of INR 30,000/-, a plaque and certificate. This award was instituted on February 25, 2020 and is being given for the first time for the year 2022.

Eligibility: Candidates shall have post Ph.D. experience of a minimum of five years as a faculty/scientist in an Indian university/organization. The candidate shall be below the age of 45 during the time of nomination. Candidate should be a mid-career researcher who has contributed extensively to research and innovation in India. The research works carried out in India only shall be considered.

Selection Criteria:

- ➤ Demonstrated research innovations through publications books/ journals
- Patents filed/granted
- Product and model development
- ➤ Ph.D./Masters student guidance
- Research projects carried out
- > Industry applied research work

Any member of the Society may either nominate a person for this award or forward nomination paper of persons who are not members of the Society. Nominations on plain paper must reach the President, ISET on or before **May 10, 2022**. Each nomination should be accompanied by a detailed bio-data of the person nominated highlighting his/her achievements in area of specialization identified for this award including the following information.

- 1. Name of the candidate with date of birth.
- 2. Complete postal address and telephone, mobile, fax number, e-mail.
- 3. Chronology of education and positions held.
- 4. Complete list of refereed publications in journals.
- 5. A statement of 500 words on the significant contributions made by the nominee.
- 6. Any other relevant information.

Kindly send the completed nomination (as a single PDF) through email to president@iset.org.in with a copy to office@iset.org.in. For any further information, please contact: Secretary ISET, E-mail: secretary@iset.org.in, office@iset.org.in, president@iset.org.in

Invitation for Nominations for ISET B.K. MAHESHWARI RESEARCH AWARD FOR BEST PH.D THESIS IN SOIL-STRUCTURE INTERACTION IN INDIA-2022

Prof. B.K. Maheshwari, Life Fellow, Former Secretary, Former Editor & Vice President of the Indian Society of Earthquake Technology (ISET), and Professor, Department of Earthquake Engineering, Indian Institute of Technology Roorkee, Roorkee has instituted a 4-yearly "ISET B.K. Maheshwari Research Award for Best Ph.D Thesis in Soil-Structure Interaction in India" to honour person with Best Ph.D Thesis. The award consists of an award money of INR 11,000/-, and a Citation. This award was instituted on July 21, 2010. The award has been given for the year 2014 (jointly) to Dr. Pavan K. Emani, Professor, Department of Civil Engineering, Graphic Era University, Dehradun and Dr. Rajib Sarkar, Assistant Professor, Dept. of Civil Engineering, IIT Dhanbad, Jharkhand. The award has been given for the year 2018 to Dr. Syed Nurussyidyn Madani, Maulana Azad National Urdu University, Bangalore. Ph.D theses in this area of Soil-Structure Interaction which are successfully completed in India during 2017-2020, shall only be considered for this award.

Faculty Member/Supervisor of thesis with the designation of Professor or equivalent may nominate or forward the nomination of a person for this award. Nominations on plain paper must reach the Secretary, ISET on or before **May 10, 2022**. PDF file of the Ph.D thesis work along with the following information must be sent for nomination:

- 1. Name of the candidate with date of birth.
- 2. Complete postal address and telephone, Fax number, e-mail.

- 3. Chronology of education and positions held.
- 4. A copy of Ph.D Thesis (preferably PDF file).
- 5. A detailed summary (extended abstract) of the thesis research work along with publications from it highlighting his/her achievements in the area of specialization identified for this award.
- 6. Complete list of refereed publications in Journals from the thesis.
- 7. Any other relevant information.

Kindly send the completed nomination (as a single PDF) through email to president@iset.org.in with a copy to office@iset.org.in. For any further information, please contact: Prof. T.G. Sitharam, President, ISET & Director, IIT Guwahati, E-mail: proftgs@gmail.com, president@iset.org.in, office@iset.org.in

Invitation for Nominations for "ISET D.K. PAUL RESEARCH AWARD FOR BEST PH.D THESIS IN EARTHQUAKE RISK REDUCTION IN INDIA"-2022

A 4-yearly award in the name of Prof. D.K. Paul, Life Fellow & Ex-President of the Indian Society of Earthquake Technology (ISET) and Former Head, Department of Earthquake Engineering, IIT Roorkee has been instituted by the Ph.D Research Scholars of Prof. D.K. Paul named as "ISET D.K. Paul Research Award for best Ph.D thesis in Earthquake Risk Reduction in India" to honour person with best Ph.D thesis. The award consists of an award money of INR 60,000/-, and a Citation. This award was instituted on March 30, 2017. The award has been given for the year 2018 to Dr. Sreevalsa Kolathayar, Associate Professor, School of Civil Engineering, VIT, Vellore. Ph.D theses in this area of Earthquake Risk Reduction which are successfully completed in India during 2017-2020, shall only be considered for this award.

Faculty Member/Supervisor of thesis with the designation of Professor or equivalent may nominate or forward the nomination of a person for this award. Nominations on plain paper must reach the Secretary, ISET on or before **May 10, 2022**. PDF file of the Ph.D thesis work along with the following information must be sent for nomination:

- 1. Name of the candidate with date of birth.
- 2. Complete postal address and telephone, Fax number, e-mail.
- 3. Chronology of education and positions held.
- 4. A copy of Ph.D Thesis (preferably PDF file).
- 5. A detailed summary (extended abstract) of the thesis research work along with publications from it highlighting his/her achievements in the area of specialization identified for this award.
- 6. Complete list of refereed publications in Journals from the thesis.
- 7. Any other relevant information.

Kindly send the completed nomination (as a single PDF) through email to president@iset.org.in with a copy to office@iset.org.in. For any further information, please contact: Prof. T.G. Sitharam, President, ISET & Director, IIT Guwahati, E-mail: proftgs@gmail.com, president@iset.org.in, office@iset.org.in

Donation to ISET

To make donation to ISET easy, payment through net banking has been operationalized. The ISET bank accounts details are as under:

	Indian Overseas Bank, Roorkee	Punjab National Bank, Roorkee
Name of the Account	Secretary, Indian Society of	Secretary, Indian Society of
	Earthquake Technology	Earthquake Technology
Account Number	035901000001269	404400 0100147706
Name of the Bank	Indian Overseas Bank	Punjab National Bank
Address	Indian Overseas Bank, Civil	Punjab National Bank, IIT
	Lines, Roorkee	Campus, IIT Roorkee
Branch Code	0359	404400
IFSC Code	IOBA0000359	PUNB0404400

Only 50% of the donated amount is tax exempt under 80G of Income Tax Act of 1961 and list of donors will be provided in ISET Web-Site and ISET News Letter. The detailed receipt will be emailed / posted.

We look forward to your valued support for making ISET to reach even greater heights.

Book "Guidelines for Earthquake Resistant Non-Engineered Construction"

Recently, reprinted 500 copies of the book entitled "Guidelines for Earthquake Resistant Non-Engineered Construction" by the Indian Society of Earthquake Technology, Roorkee, India with the permission of the original publisher UNESCO and the authors Anand S. Arya, Teddy Boen, and Yuji Ishiyama. The current publication brought out by ISET on no-profit/no-loss basis is the reprint of the document published by UNESCO in 2014.

Cost of this publication is Rs. 300/-. Interested can be obtained a copy from Secretary, ISET, Roorkee by paying Rs. 300+ postage charge extra.

Please send your email ID (Preferably Gmail) and Mobile/Telephone number to the ISET office in the following format. Name & Permanent Address Address Current Address Membership No. Email ID (preferably Gmail) Mobile/Telephone No.

ISET Office will update the above information in the database, and use the same for future correspondence. Please send the above information at the earliest.

Members may also send any information that they wish to get published in the next Newsletter. Kindly send this information through email to: office@iset.org.in

Calendar of Forthcoming Events

MAY 01-05, 2022

20th International Conference on Soil Mechanics and Geotechnical Engineering 2022 is scheduled to be held at International Convention Centre Sydney, Australia. **For more details**, please visit: Website: www.icsmge2022.org, E-mail: info@icsmge2021.com

SEPTEMBER 04-08, 2022

The 11th International Symposium on Field Monitoring in Geomechanics is scheduled to be held at Imperial College, London. **For more details**, please visit: www.field-monitoring.org

NOVEMBER 14-17, 2022

17th Symposium on Earthquake Engineering is scheduled to be held at Department of Earthquake Engineering, IIT Roorkee. **For more details**, please visit: https://www.iitr.ac.in/17see/index.html

DECEMBER 15-17, 2022

Indian Geotechnical Conference (IGC-2022) on GEOLEAP Geotechnics -Learning, Evaluation, Analysis & Practice is scheduled to be held at Hotel Le Meridien Kochi. Organized by: Indian Geotechnical Society, Kochi Chapter, Department of Civil Engineering, Cochin University of Science and Technology (CUSAT).

For more details, please visit: Dr. Anil Joseph, Organizing Secretary, IGC 2022, Mobile : +91 9388868327, E-mail: igc2022kochi@gmail.com, Website: igc2022kochi.org

FEBRUARY 20-23, 2023

The 4th African Regional Conference on Geosynthetics – GeoAfrica 2023 by the International Geosynthetics Society through the Egyptian chapter (IGSE) is scheduled to be held at Cairo, Egypt.

For more details, please visit: www.geoafrica2023.org, E-mail: info@geoafrica2023.org

ISET Membership Corner

The Executive Committee of ISET extends a hearty welcome to the following Members, who have been admitted to the Society during the period January 30, 2021 to November 12, 2021.

Life Fellow:

LHe Fellow:		
1. LF 60	Prof. Dipti Ranjan Sahoo	CED, IIT Delhi
Life Members:		
1. LM 1779	Prof. Nilanjan Saha	Dept. of Ocean Eng., IITM
2. LM 1780	Prof. Anand Joshi	Dept. of Earth Sciences, IITR
3. LM 1781	Dr. Laxmikant Yadu	Dept. of Civil Eng., NIT Raipur
4. LM 1782	Prof. Rathish Kumar Pancharathi	Dept. of Civil Eng., NIT Warangal
5. LM 1783	Dr. Goutam Ghosh	Dept. of Civil Eng., MNNIT Allahabad
6. LM 1784	Ms. Thejaswini R.M.	Dept. of Civil Eng., GSKSJTI, Bangalore
7. LM 1785	Dr. Kalyan Kumar Gonavaram	Dept. of Civil Eng., OSKS311, Bangalore Dept. of Civil Eng., NIT Warangal
8. LM 1786	Er. Rajesh K.S.	· · · · · · · · · · · · · · · · · · ·
	Dr. Sanjay Kumar Verma	RS, UVCE, Bangalore
9. LM 1787	5 .	T. Institute of Eng. and Tech., Jabalpur
10. LM 1788	Er. Mohan Ramanathan	MD, Advanced Const. Tech. P. Ltd, Chennai
11. LM 1789	Dr. C. Prakasam	Chitkara Uni., Solan, HP
12. LM 1790	Dr. Jitesh T. Chavda	SVNIT Surat, Gurarat
13. LM 1791	Er. Chiranjib Sarkar	Senior Strctural Engineer, AECOM
14. LM 1792	Dr. Anil Cherian	Sr. Tech. Manager, Strain stall Group, Kerala
15. LM 1793	Dr. Snehal Kaushik	IIT Guwahati
16. LM 1794	Ms. Rajeswari J.S.	RS, IIT (ISM), Dhanbad
17. LM 1795	Er. Mohit Kishorbhai Mistry	RS, SVNIT, Surat, Gujarat
18. LM 1796	Er. Jayarajan P.	NIT Calicut
19. LM 1797	Er. Pankaj Bariker	RS, NIT Karnataka, Suratkal
20. LM 1798	Er. Aniket Sanjay Desai	RS, EQD, IIT Roorkee
21. LM 1799	Er. Chikkanna T.	Sarathy Geogtech & Eng. Ser., Bangalore
22. LM 1800	Er. Neeraj Kumar Das	RS, IIT Kanpur
23. LM 1801	Er. Gowtham Padmanabhan	RS, EQD, IIT Roorkee
24. LM 1802	Dr. Manali Sumit Patel	Ph.D RS, SVNIT, Surat
25. LM 1803	Er. Vaibhav Mittal	RS, AcSIR (CSIR-CBRI), Roorkee
26. LM 1804	Er. Monu Lal Burnwal	RS, IIT Kanpur
27. LM 1805	Er. Mahesh Kumar C.L.	Nitte Meenakshi Institute of Tech., Bengaluru
28. LM 1806	Er. Tapas Ranjan Panigrahi	BITS-Pilani, Hyderabad Campus
29. LM 1807	Er. Avik Kumar Mandal	LEA Associates South Asia Pvt. Ltd., ND
30. LM 1808	Er. Randip Ghosh	Director Eng. Project & Sales GERB India
31. LM 1809	Dr. Ramkrishnan R.	Amrita School Eng, Vidyapeetham
32. LM 1810	Er. Arpit Jain	RS, CED, IIT Roorkee
33. LM 1811	Ms. Bindiya K.	JNNCE, Shivamogga
34. LM 1812	Dr. AnupKumar G. Ekbote	BMS Ins. of Tech. & Management, Bangalore
35. LM 1813	Dr. Malay Kumar Deb	Porom Eng. & Research Pvt. Ltd.
36. LM 1814	Dr. Saravanan M.	CSIR-SERC, Chennai
37. LM 1815	Er. Madhu S.R. Mittamidi	RS, K.L. University
38. LM 1816	Er. Vamsi Nagaraju T.	SRKR Eng. College, Bhimawaram
39. LM 1817	Dr. Shiva S. Choudhary	NIT Patna
40. LM 1818	Er. Anup Ananda Shelar	VCET College
41. LM 1819	Er. Aakash Kumar Sharma	RS, VNIT, Nagpur
42. LM 1820	Ms. Shailja Gupta	RS, CED, IIT Roorkee
43. LM 1821	Ms. Khushbu S. Gandhi	SCET, Surat
44. LM 1822	Er. Jithin P. Zachariah	RS, EQD, IIT Roorkee
45. LM 1823	Dr. Sejal Purvang Dalal	SVIT, Vasad, Gujarat
46. LM 1824	Er. P.M. Rajan	RS, College of Eng. Anna Uni., Chennai
47. LM 1825	Sri Amberlight Lyngdoh	MeECL, Meghalaya
48. LM 1826	Dr. Arup Bhattacharjee	Higher Education, Govt. of Assam
49. LM 1827	Dr. Anitha Kumari S.D.	M.S. Ramaiah Uni., Bangalore
50. LM 1828	Dr. Ritesh Kumar	EQD, IIT Roorkee
51. LM 1829	Er. Ekansh Agarwal	CSIR-CBRI, Roorkee
52. LM 1830	Er. Jagadish J. Sadashivapp	Stedrant Tech. (P) Ltd. Bangalore
53. LM 1831	Dr. Pronab Roy	NIT Durgapur
54. LM 1832	Dr. Ansu Thomas	NIT Raipur

Annual Member:		
1. AM 878	Dr. Veerendrakumar C. Khed	KL University, Vaddeshwaram
Student Members:		•
1. SM 110	Mr. Vivek T.	M. Tech. Student, VIT Vellore
2. SM 111	Mr. Satyakam Patnaik	M. Tech. Student, VIT Vellore
3. SM 112	Ms. Yashshree Shrikrishna Dhale	M. Tech. Student, VIT Vellore
4. SM 113	Ms. Nandhini S.	M. Tech. Student, VIT Vellore
5. SM 114	Mr. Pani Rakesh B.	M. Tech. Student, VIT Vellore
6. SM 115	Ms. Shimy Jacob	M. Tech. Student, VIT Vellore
7. SM 116	Ms. Athira Jose	M. Tech. Student, VIT Vellore
8. SM 117	Ms. Deepika K.	M. Tech. Student, VIT Vellore
9. SM 118	Mr. Godson M.K.	M. Tech. Student, VIT Vellore
10. SM 119	Mr. Mufassil Haque P.	M. Tech. Student, VIT Vellore
11. SM 120	Mr. Abhishek S. Dargad	M. Tech. Student, VIT Vellore
12. SM 121	Mr. Suraj Shankarrao Mane	M. Tech. Student, VIT Vellore
13. SM 122	Ms. Priyadarshini Rachanna Patil	M. Tech. Student, VIT Vellore
14. SM 123	Mr. Shreekumar	M. Tech. Student, VIT Vellore
15. SM 124	Mr. Sagar Shrivastava	M. Tech. Student, TIE & Tech., Jabalpur
16. SM 125	Mr. Chaitanya Saik	Andhra Pradesh
17. SM 126	Mr. Suraj Kumar Dhal	Odisha
18. SM 127	Mr. Venkata Veera H. Chunduri	Guntur
19. SM 128	Sri Uday Kiran Cheedi	Guntur
20. SM 129	Mr. Goli Lasya	Andhra Pradesh
21. SM 130	Mr. Mohammed Salman khizar	Rajahmundry
22. SM 131	Mr. Kishore Babu Uddanti	Andhra Pradesh

Annual General Body Meeting

MINUTES OF THE 50TH ANNUAL GENERAL BODY MEETING OF THE INDIAN SOCIETY OF EARTHOUAKE TECHNOLOGY HELD ONLINE ON 16TH APRIL, 2021 AT 7:30 PM.

- 50.0 Prof. T.G. Sitharam, President ISET, welcomed the members present to the 50th Annual General Body Meeting. Prof. Sitharam has highlighted various initiatives taken during the past one year. In spite of COVID-19 pandemic, ISET has successfully conducted a number of activities. ISET has started webinar series, under which lectures were delivered by eminent personalities including some of the EC members of ISET. It was a huge success. Later part of the year, the society's secretariat was totally occupied by the bidding process of 18WCEE. ISET has launched a dedicated website, containing a detailed presentation, promotional videos, and other information to support and promote ISET's 18WCEE bid. ISET office has contacted members of ISET and other bodies and collected information about their notable contributions to earthquake engineering. Contacted National Delegates of other countries through email and phone calls. Prepared promotional videos covering different aspects. The dedicated website for ISET's 18WCEE bid www.iset.org.in/18wcee received a financial support of Eighteen lakhs from the Ministry of Earth Sciences. In spite of the fact that 17WCEE is being organized in Japan (in Asia), ISET managed to get very good support and stood 2nd preferred country among the competing countries. The society is now gearing up for organizing the 7th International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics (7ICRAGEE), in July 2021. Prof. Sitharam has appreciated the efforts made by Prof. Ravi Jakka, Secretary, ISET in preparing 18WCEE bidding materials and conducting so many activities throughout the year even during the pandemic. Prof. Sitharam has also appreciated the active involvement of Prof. Sreevalsa Kolathayar and other EC members in various activities of ISET.
- 50.1 The members confirmed the minutes of the 49th Annual General Body meeting held on February 25, 2020.
- Report on the actions taken on the Minutes of the last General Body meeting was presented by Dr. Ravi S. Jakka, Secretary and the same was noted by the General Body members.

Reporting Items:

All the reporting items as given in the Annual Report of the Secretary (see item 49.5, Annexure-II) were considered.

50.4 Considered the Audited Annual Accounts of the Society for the year ending March 31, 2020 as approved by the Executive Committee and the same was approved by the General Body. A copy of the Audited Annual Accounts is enclosed in Annexure-I.

- 50.5 Considered the Annual Report of the Secretary for ISET activities during the period February 25, 2020 to April 15, 2021 as approved by the Executive Committee and the same was approved by the General Body. A copy of the Annual Report is enclosed in Annexure-II.
- The progress on 7ICRAGEE was presented by Dr. Ravi Jakka, Organizing Secretary, 7ICRAGEE. The reviewed technical papers are being published by Springer in 5 volumes, based on 5 broad themes. The papers are expected to appear soon online by the end of April 2021. Currently, keynote volume is in press with the publisher. More than 500 abstracts were initially received, out of which, a total of 250 full length manuscripts were finally received. All the manuscripts were sent to peer review. Based on the review and quality checks, a total of 200 manuscripts have been accepted for publication. However, 172 were only included in the 1st series of volumes, due to non-receipt of registration fee. The remaining manuscripts would be considered in the next series of volumes after the completion of remaining formalities such as copyright agreement submission and payment of the registration fee. The 2nd series of volumes would be brought out soon after the conference. Work has been started for the creation of online conference platform.

50.7 **Any other items:**

- i. The members have suggested the Secretary to open an account in State of Bank of India and also suggested to shift the fund to the State Bank of India.
- ii. The members suggested that the Local Chapters should be encouraged to organize various activities. Also, they are requested to hold elections for the office bearer positions on time and send the information to the ISET headquarter. Letters are to be sent to each chapter's office bearers in this regard.

The meeting ended with a vote of thanks to the chair.

(Prof. T.G. Sitharam)

(Prof. T.G. Sitharam)
President, ISET

Banken

(Dr. Ravi S. Jakka) Secretary, ISET

Annexure-II

INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY, ROORKEE ANNUAL REPORT

(For the period from February 25, 2020 to April 15, 2021)

Dear Members,

It gives me immense pleasure in presenting the Annual Report of the Indian Society of Earthquake Technology for the period February 25, 2020 to April 15, 2021. The salient activities of the Society during this period are presented in this Annual Report.

1. Meetings

The last Annual General Body Meeting (49th AGM) of the Society was held at Guwahati on February 25, 2020, minutes of which were published in the ISET Newsletter of January – December 2020.

During the period of the report, three Executive Committee Meetings (ECM) were held as detailed below:

Meeting No.	Date	Venue
194 th ECM	February 25, 2020 at 11:00 AM	Guwahati
195 th ECM	October 2, 2020 at 5:00 PM	Online mode
196 th ECM	January 30, 2021 at 5:30 PM	Online mode

2. Audit Report

The accounts of the Society for the financial year 2019-2020 have been audited by Vikas Khanna & Co., Chartered Accountants, Roorkee. The E.C. in its meeting held on **January 30, 2021** has approved the audit reports. It may be noted that in this financial year, the **total capital fund** of the Society has **increased from** Rs. **1,11,60,946.00** to Rs. **1,15,46,146.00**.

3. ISET Annual Lecture

The 40th ISET Annual Lecture was delivered by Prof. S.K. Thakkar, Former Professor of Earthquake Engineering, and Former Railway Bridge Chair, Indian Institute of Technology Roorkee on 'Indian Seismic Codes on Bridges: Challenges and Issues for Development', on February 25, 2020 at Guwahati.

4. Election of ISET E.C. for the term 2021-2023

A Committee with Prof. Josodhir Das (LM-653) as its Convener, and Dr. Ajay Chourasia (LF 48) & Dr. P.K.S. Chauhan (LM 1589) as its members has been formed to supervise the election of various office bearers and members of the ISET Executive Committee for the term 2021-2023. The Secretary, ISET had invited the nominations in this regard (vide letter No. ISET/Election/2021-2023/ dated January 15, 2021). The following ISET members have been elected unopposed for various posts of the ISET E.C. for the term 2021-2023:

President	:	1.	Prof. T.G. Sitharam	LF 55
Vice-President	:	1.	Prof. B.K. Maheshwari	LF 46
Secretary	:	1.	Prof. Vishwas A. Sawant	LM 1527
Members	:	1.	Prof. Vasant Annasaheb Matsagar	LF 59
		2.	Prof. S.V. Dinesh	LM 1288
		3.	Dr. Ashwin Kumar P.C.	LM 1721
		4.	Dr. Neelima Satyam	LM 1508
		5.	Dr. Jagdish Prasad Sahoo	LM 1722
		6.	Dr. Rajib Sarkar	LM 1354
		7.	Vacant	
		8.	Vacant	

We thank Prof. Josodhir Das (LM-653) as its Convener, and Dr. Ajay Chourasia (LF 48) & Dr. P.K.S. Chauhan (LM 1589) as its members of the ISET Election Committee for their efforts on smoothly completing the whole electoral process.

5. Publications

ISET Journal: The issues of June 2019 (No. 2), September 2019 (No. 3), and December 2019 (No. 4) of Vol. 56 have been published. Soft copies have been sent to all the ISET Members. Special issue of March 2020, No. 1, Vol. 57 is in press. The issues of June 2020 (No. 2), September 2020 (No. 3), and December 2020 (No. 4) of Vol. 57 are under proof reading.

Proposals for Special Issues:

- 1st Proposal for publishing special issue on **"Seismic Soil-Structure Interaction"** in the ISET Journal of Earthquake Technology has been submitted by Professor A. Murali Krishna.
- 2nd Proposal for publishing special issue on "Advances in Earthquake Engineering and Technology: Selected Papers from ICCMS 2019 held at IIT Mandi" in the ISET Journal of Earthquake has been submitted by Professor Sandip Kumar Saha Technology.
- 3rd Proposal for publishing special issue on "Machine Foundation" in the ISET Journal of Earthquake Technology has been submitted by Dr. K.G. Bhatia.
- 4th Proposal for publishing special commemorative volume in the honor of Prof. D.K. Paul in the ISET Journal of Earthquake Technology has been submitted by Dr. Ravi Jakka.

It was resolved that the E.C. has approved the above four special issues in the ISET Journal of Earthquake Technology.

ISET News Letter: ISET News Letter of January - December 2020 has been published recently. Soft copy has been sent to all the ISET Members.

6. Membership

Since April 01, 2020, 45 Life Members, 02 Permanent Institutional Member, 4 Annual Members and 18 Student Members have been enrolled.

Financial Year	Individual Members		Life Fellows	Institution Members		Total	Membership Increased
	Life	Annual		Permanent	Annual		
2017-2018	1707	36	56	55	7	1859	33

2018-2019	1734	38	58	55	7	1890	31
2019-2020	1743	39	58	55	7	1900	10
2020-2021 (as on 15.04.2021)	1788	43	58	57	7	1951	51

Total Student Members: 86

7. ISET V.H. Joshi Award for Significant Contributions in Structural Dynamics

An amount of Rs. 2.50 lakhs was received from Prof. V.H. Joshi for increasing the corpus fund for "V.H. Joshi Award for Significant Contributions in Structural Dynamics". Total contribution to the corpus has now increased to Rs. 11,28,000/-.

8. ISET's Bid for organizing the 18th World Conference on Earthquake Engineering (18WCEE) in India

ISET has contested this time for hosting 18WCEE in India in year 2024. ISET has prepared a detailed presentation, promotional videos, and other related stuff in regard to bidding 18WCEE. ISET office has contacted members of ISET and other bodies and collected the information about India and their notable contributions to earthquake engineering information. Contacted National Delegates of other countries through email and phone calls. Prepared promotional videos covering different aspects. A dedicated website for bidding 18WCEE has been also prepared: www.iset.org.in/18wcee. All the final bidding documents: Bidding Presentation, Text Narration, Promotional Videos and Website have been submitted to the IAEE. Other materials such as brochures, and promotional video, are placed at the special webpage created for this purpose.

A total of five countries had contested for 18WCEE (viz. Canada, France, India, Italy, and New Zealand). A total of 50 countries have participated in the voting. Out of 50, 15 countries have backed Italy, which won the contest and got the opportunity to host 18WCEE in the year 2024. It is so unfortunate to lost the elections with a narrow margin. Though we lost, we would like to inform you that India stood 2nd in the contest after Italy.

The main reason for losing the contest is, we attempted to bring back 18WCEE to Asia, while 17WCEE is already being conducted in Asia(Japan) in 2021. In the history of WCEE, it was never conducted consequently in the same continent. This might be the main reason for our loss. The same was being expressed by some of the National Delegates as well. 2nd reason could be, WCEE is long due to Italy. Italy conducted 5WCEE in 1974 before India conducted 6WCEE. We are sure the honest efforts that were put in, would help India in the future to get WCEE.

9. ISET Webinar Series (May-June 2020)

In the month of March 2020, when Government of India has declared national wide lockdown to control spreading of COVID-19, ISET has started webinar series to benefit the students and earthquake engineering community at large. Under the webinar series, ISET has conducted 10 webinars, which were given by eminent personalities including some of the EC members of ISET. It was a huge success. Each webinar was attended by about 400-500 participants, while the registrations were up to 600 to 700. Serval initiatives have been taken such as collecting registration fee towards PM CARES fund and registering participant details and issuing participation certificates. Overall a sum of Rs. 5 Lakhs was collected from the participants towards PM CARES fund. This initiative has been appreciated by many across the India and later followed by the others. We have also collected the feedback forms and questions to the speakers from the audience and shared it with the speakers. We even conducted special sessions with the speakers to address various questions raised by the participants. ISET acknowledge the contributions of webinar committee in successfully organizing the webinars: Dr. Sreevalsa, Convener, Prof. Vasant Matsagar, Prof. SV Dinesh, Member, Dr. Sushil Gupta, Member and Dr. Ravi Jakka, Member.

- (i) 1st Lecture of ISET Webinar Series has been delivered by **Prof. Vasant Matsagar**, Editor, ISET Journal & Professor in Civil Engg. Dept., IIT Delhi entitled on **'Earthquake Engineering & Technology'** on May 09, 2020. While more than 450 people have registered, around 360 have participated in the webinar.
- (ii) 2nd Lecture of ISET Webinar Series has been delivered by **Prof. Yogendra Singh**, Department of Earthquake Engineering, IIT Roorkee entitled on '**Performance-Based Seismic Design of Structures**' on May 16, 2020. While more than 650 people have registered, around 500 have participated in the webinar.
- (iii) 3rd Lecture of ISET Webinar Series has been delivered by **Dr. S.K. Prasad**, Professor of Civil Engineering (Retired), Sri Jayachamarajendra College of Engineering, Mysore entitled on 'Relevance of Site Effect in Earthquake Resistant Construction' on May 23, 2020. While more than 550 people have registered from over 15 countries, around 400 have participated in the webinar.
- (iv) 4th Lecture of ISET Webinar Series has been delivered by **Prof. M.L. Sharma**, Department of Earthquake Engineering, I.I.T. Roorkee entitled on 'Seismic Hazard Assessment' on May 27, 2020. While more than

- 600 people have registered from over 10 countries including US, China, Pakistan, Egypt, around 384 have participated in the webinar.
- (v) 5th Lecture of ISET Webinar Series has been delivered by **Prof. Chandan Ghosh**, Department of Civil Engineering, Indian Institute of Technology, Jammu entitled on 'Seismic Microzonation Studies in India' on May 30, 2020. While more than 550 people have registered, around 380 have participated in the webinar.
- (vi) 6th Lecture of ISET Webinar Series has been delivered by **Prof. T.G. Sitharam**, President, ISET and Director, IIT Guwahati entitled on 'Engineering Preparedness for Earthquake Disaster Mitigation' on June 03, 2020. While more than 650 people have registered, around 490+ have participated in the webinar.
- (vii) 7th Lecture of ISET Webinar Series has been delivered by **Prof. G. Madhavi Latha**, Professor at Indian Institute of Science, Bangalore entitled on 'Seismic Response of Retaining Walls' on June 06, 2020. While more than 750 people have registered from 20 different countries, only 500 could participate in the webinar due to the limitation of the webinar application.
- (viii) 8th Lecture of ISET Webinar Series has been delivered by **Prof. G.R. Reddy**, Adjunct Professor at NITK & Formerly Outstanding Scientist, Senior Professor, Homi Bhabha National Institute. Bhabha Atomic Research Centre, Mumbai entitled on 'On Structure-Equipment-Piping Interaction under Earthquake Excitation' on June 13, 2020. While more than 750 people have registered, about 400 have attended the webinar.
- (ix) 9th Lecture of ISET Webinar Series has been delivered by **Dr. Dipti Ranjan Sahoo**, Associate Professor, Department of Civil Engineering, Indian Institute of Technology Delhi entitled on 'Supplemental **Damping and Energy Dissipation Devices**' on June 20, 2020. While more than 700 people have registered, about 400 have attended the webinar.
- (x) 10th Lecture of ISET Webinar Series has been delivered **Prof. Ashok Kumar**, Professor (Retired), Department of Earthquake Engineering, IIT Roorkee entitled on **Earthquake Early Warning System: Its relevance for India** on June 27, 2020. While more than 750 people have registered, about 400 have attended the webinar.

10. 7th ICRAGEE

7ICRAGEE and all other associated events have now been rescheduled from 13-16 July 2020 to 12-15 July 2021(Online). The conference would be conducted in online mode. Though the conference is going to be in online mode, we would make every attempt to conduct it much similar to the regular mode. The same schedule announced earlier would be followed. We will have the pre-conference workshops, keynote, and parallel sessions. We are also planning to make recorded presentations available to take care of any internet connectivity issues. We assure you of the best possible arrangements to make the event memorable and most beneficial to all the delegates. Further, to encourage wider participation, we have cut down the registration fees and make it affordable to all. The Organizing Committee as promised brought out the Springer proceedings of 1st set of technical papers before the conference, mainly to benefit the student authors. All the accepted technical papers have been published in Springer Civil Engineering Series, while keynote and other invited lectures would be published in Springer Transactions. We are happy to inform you that we have successfully processed all the technical papers received so far. The reviewed technical papers are being published by Springer in 5 volumes, based on 5 broad themes. The papers are expected to appear soon online by the end of April 2021. Currently, keynote volume is in press with the publisher. This is a very difficult and challenging time and our prayers go out to the millions around the world impacted by this global pandemic. We wish and hope you all keep safe and stay strong. We look forward to welcoming you all to 7ICRAGEE, in July 2021(Online). We thank all the EC members and ISET, who supported and assisted ISET in reaching out to societies of various nations.

11. Obituaries

- (i) Obituary of Prof. A.R. Chandrasekaran has been uploaded on the ISET website. Obituary of Prof. A.R. Chandrasekaran has been prepared and sent to all ISET members.
- (ii) Obituary of Prof. D.K. Paul has been uploaded on the ISET website and printed in the ISET Newsletter. Obituary of Prof. D.K. Paul has been prepared and sent to all ISET members.
- (iii) Obituary of Prof. Gopal Ranjan has been uploaded on the ISET. Obituary of Prof. Gopal Ranjan has been prepared and sent to all ISET members.

12. Membership Fee

The Society received a sum of Rs. 72,000/- in the financial year 2019-2020 in the form of fee for various categories of membership of the Society.

The Ministry of Earth Sciences (MoES) is sanctioned amounting of Rs. 18.00 Lakhs for bidding of 18th World Conference of Earthquake Engineering (18WCEE-2024) in India. The amount has been received through NEFT on 28.09.2020 in the Society Account.

13. Activities of Local Chapters

• ISET Vellore Chapter

Collaborative activities jointly by Indian Society of Earthquake Technology, Vellore Chapter and Indian Society of Earthquake Technology, VIT Student Chapter has served as a platform for active participation of students, faculty and practicing engineers in sharing the knowledge and resources. ISET, Vellore Chapter is functioning under the new elected managing committee from January 2020 and will remain till January 2022.

S.No.	Name	Membership No.	Designation & Organisation	Elected as
1	Dr.G.P.Ganapathy	LM1655	Professor & Director, Centre for Disaster Mitigation and Management, Vellore Institute of Technology, Vellore	Chairman
2	Mr.Visuvasam.J	LM1651	Assistant Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Secretary
3	Dr.S.K.Sekar	LM1639 Senior Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore		Member
4	Dr.S.S.Chandrasekaran	LM1158	Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
5	Dr.A.S.Santhi	LM1641	Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
6	Mr.Simon.J	LM1652	Assistant Professor, School of Civil Engineering, Vellore Institute of Technology, Vellore	Member
7	Dr.G.Kesavan	LM1662	Assistant Professor (III), SCSVMV University, Kanchipuram	Member
8	Mr.K.Balamurugan	LM1666	Site Engineer, B&B Developers and Builders Pvt. Ltd., Vellore	Member

• ISET Guntur Chapter

Indian Society of Earthquake Technology (ISET) Guntur Chapter was established in January 30, 2021. Conducted the online voting and finalised the Managing committee online mode on 21.02.2021 for Guntur local Chapter. For the reference once can use the following link.

https://drive.google.com/file/d/1xbA_1rVPS9N2yiEjQpxDsLMPlsk_gC9S/view?usp=sharing

Full Name	Post	Membership number	Email ID	Place of location
Dr. V. V. N. Prabhakara Rao	Chairman	LM 1766	vvnpjee@gmail.com	Vijayawada
Dr. B. Kesava Rao	Secretary	LM 1762	kesava.battena@gmail.com	Guntur
Dr. Sunil Ranjan Mohapatra	Member	LM 1763	siluuce@gmail.com	Chennai
Dr. T. ChandraSekharRao	Member	LM 1764	hoshikonni@gmail.com	Bapatla
Dr. R. Chandramohan	Member	LM 1765	cmcivil2006@gmail.com	Guntur
Dr. M. Padmavathi	Member	LM 1767	mpadmace@gmail.com	Hyderabad
Prof. Kolla Naga Sreenivasa Rao	Member	LM 1768	nsrkolla@gmail.com	Guntur
Dr. M. Akhila	Member	LM 1769	akhila144@gmail.com	Kerala

An official 13th ISET Guntur Local Chapter has been inaugurated on 10th April, 2021. Inauguration ceremony has been presided over by ISET President, Prof. T.G. Sitharam and Director, IIT Guwahati. Dr. I.D. Gupta, Former Director, Central Water and Power Research Station (CWPRS), Pune was the chief guest of inauguration ceremony. After the inauguration ceremony, 1st Webinar of the Guntur Chapter has been delivered by Dr. I.D. Gupta. More than 180 members have registered for the inaugural ceremony and the webinar

14. Activities of Soil Dynamics Forum (ISET)

- (i) IIT Tirupati has been organized Second Lecture of the webinar series 'Geotechnical Investigations' in association with Soil Dynamics Forum, Indian Society of Earthquake Technology (ISET) and IGS Tirupati Chapter. Eng. Diego Marchetti, Studio Prof. Marchetti S.r.l, ITALY has delivered the lecture on "Applications of Dilatometer and Seismic Dilatometer in Geotechnical Engineering" on July 2, 2020. The event was attended by large number of Faculty, Engineers, Academicians and Students.
- (ii) Department of Civil Engineering, NIT Rourkela has organized a special webinar on 'Influence of Local Soil Conditions on Seismic Site Response and the Challenges involved in their Estimation' in association with Soil Dynamics Forum, ISET on 18th September 2020. The webinar has been delivered by Dr. Ravi Jakka, Secretary, ISET and Associate Professor, Department of Earthquake Engineering, IIT Roorkee.
- (iii) Soil Dynamics Forum's bank account has been opened in Punjab National Bank, IIT Campus Branch, Roorkee as per the resolution of the Soil Dynamics Forum's Executive Committee members.

15. Activities of Structural Dynamics Forum (ISET)

Structural Dynamics Forum (ISET) has released online of the Special Commemorative Issue of March 2020, No. 1, Vol. 57 on 1st September 2020 in remembrance of Late Prof. Anand Swarup Arya on his 1st Death Anniversary on "Seismic Vulnerability and Strengthening of Masonry Structures". Prof. Matsagar, Prof. Mittal and special issue editors were appreciated for their efforts in bringing out the special journal issue.

16. Activities of NIT Surathkal (Co-hosted by ISET)

The Virtual Conference on Disaster Risk Reduction - Civil Engineering for a Disaster Resilient Society (VCDRR 2021) was organized by NITK, NIDM, ADRRN, IWMI in association with Indian Society of Earthquake Technology (ISET) and 15 other global partnering organizations. The conference had around 1800 delegates registered from over 75 countries. The focus of the conference was set in line with the UN Sendai Framework for Disaster Risk Reduction in 2015, UNDRR chief's 5-point plan for resilient infrastructure and UN Sustainable Development Goals SDG#9 & SDG#11. The conference had 40 keynote lectures accommodated in 10 keynote sessions. There were eight technical sessions where over 100 papers were presented by the delegates. The conference ended with a dynamic panel discussion on the 'Role of civil engineers in building a disaster resilient society'.

17. Acknowledgements

The Society would like to thank the sponsors for their generous grants to support its activities. Society is also thankful to Head, Department of Earthquake Engineering, Indian Institute of Technology Roorkee and Director, Indian Institute of Technology Guwahati, Roorkee for extending the facilities required for the smooth functioning of the Society and carrying out its activities.

We are grateful to **Prof. Ellen M. Rathje**, Janet S. Cockrell Centennial Chair, Department of Civil, Architectural, and Environmental Engineering, University of Texas, Austin, USA for kindly accepting our invitation to deliver the 41st ISET Annual Lecture today online mode on 'Advances in Site Response Analysis for Design-Level Ground Motions'. The Society is also thankful to the authors and reviewers of papers published in the ISET Journal and the members of the Editorial Committee. Sincere thanks are also placed on record to all individuals and organizations, who have helped the Society directly or indirectly in furtherance of its objectives.

In the end, I would like to thank all the members of the Executive Committee, in particular, Prof. T.G. Sitharam, President; Prof. B.K. Maheshwari, Vice-President; Prof. Vasant A. Matsagar & Prof. Satyendra Mittal, Editors; Dr. P.K.S. Chauhan, Co-Editor; Prof. Gopal Madabhushi, Prof. Subhamoy Bhattacharya, Dr. Anil C. Wijeyewickrema and Dr. Sujith Mangalathu Associate Editors, who were always willing to help and advise me in carrying out my responsibilities as the Secretary of the Society. Thanks are also due to all the E.C. members, Chairmen/Secretaries of ISET Local Chapters and ISET Forum's for their suggestions. Also, I would like to thank the staff members of ISET Office, particularly Mr. Pawan Kumar for working hard for the Society.

Roorkee April 15, 2021 Dr. Ravi S. Jakka Secretary, ISET

Audited Annual Accounts of the Indian Society of Earthquake Technology (for the year ending on March 31, 2020)

VIKAS KHANNA & CO.

CHARTERED ACCOUNTANTS

1st FLOOR, PRAKASH PLAZA, OPP. SHIV MANDIR, CIVIL LINES, ROORKEE – 247 667. (U.A.)

TELEFAX: 91 - 1332 - 276336, MOB. 9837126223.

TO
THE MEMBERS,
INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY,
IIT, ROORKEE.

Dear Sir,

We have examined the Balance Sheet of INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY, IIT ROORKEE as at 31st March, 2020 and Income & Expenditure Account for the year ended on that date of the which are in agreement with the books of accounts maintained by the said society. These financial statements are responsibility of the society's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We have conducted our audit in accordance with the auditing standards generally accepted in India. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatements. An audit includes examining on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides reasonable basis for our opinion.

- (a) We report the following comments:
 - (A) We have obtained all the information and explanations which to the best of our knowledge and belief were necessary for the purpose of the audit.
 - (B) In our opinion, proper books of account have been kept by the Head Office of the assessee so far as appears from our examination of the books.

In our opinion and to the best of our information, and according to explanation given to us, the said accounts give a true and fair view:

- (1) In the case of the balance sheet of the state of affairs of the society as at 31st March, 2020 and
- (2) In the case of the income and expenditure account, of the excess of the income over expenditure of the society for the year ended on that date.

FOR VIKAS KHANNA & CO. CHARTERED ACCOUNTANTS FRN. 0102<u>1</u>3C

Query

CA. VIKAS KHANNA PROP. M. No. 079929

PLACE : ROORKEE DATED : 1 9 00 7020

INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY I.I.T. ROORKEE, ROORKEE.

Balance Sheet as at 31st March, 2020.

Particulars	Schedule	Amount (Rs.)	Amount (Rs.
	No.	as at 31.03.20	as at 31.03.19
A. SOURCE OF FUND			
General Fund	1	51,35,163	50,08,863
Award Fund	2	39,79,000	37,59,000
SHAMSHER PRAKASH FUND FOR SOIL FORUM	*.	24,31,983	23,93,083
TOTAL.		1,15,46,146	1,11,60,94
B. APPLICATION OF FUND			
Fixed Assets	3	19,403	22,509
Investment	4	1,11,78,435	1,09,08,43
CURRENT ASETS, LOANS & ADVANCES			
Cash & Bank Balance	5	2,96,594	1,89,10
TDS Receivable .		51,714	40,896
TOTAL CURRENT ASSETS		3,48,308	2,30,002
LESS: CURRENT LIABILITIES & PROVISION			
TOTAL CURRENT LIABILITIES			
NET CURRENT ASSETS		3,48,308	2,30,002
TOTAL		1,15,46,146	1,11,60,940

Significant Accounting Policies &

Notes on Accounts.

10

FOR & ON BEHALF OF EXECUTIVE COMMITTEE

SECRETARY

PLACE: ROORKEE

DATED: 19 OCT 2020

FOR VIKAS KHANNA & CO. CHARTERED ACCOUNTANTS

> CA. VIKAS KHANNA PROP.

INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY I.I.T. ROORKEE, ROORKEE.

Income & Expenditure Account for the year ended 31st March, 2020.

Particulars	Schedule	Amount (Rs.)	Amount (Rs.)	
	No.	as at 31.03.20	as at 31.03.19	
A. INCOME				
Sales	6	8,375	8,620	
Subscription & Annual Membership	7	29,000	25,100	
Other Income	8	7,19,749	7,72,066	
TOTAL		7,57,124	8,05,786	
B. EXPENDITURE				
Administrative Overheds	9	7,38,069	13,01,566	
Depreciation	3	3,105	3,617	
TOTAL		7,41,174	13,05,183	
C. EXCESS OF INCOME OVER EXPENDITURE (C= A - B)		15,950	-4,99,397	

As per our seprate report of even date.

SECRETARY

FOR & ON BEHALF OF EXECUTIVE COMMITTEE

FOR VIKAS KHANNA & CO. CHARTERED ACCOUNTANTS

PLACE: ROORKEE

DATED: 19 OCT 2020

CA. VIKAS KHANNA

PROP.

INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY I.I.T. ROORKEE, ROORKEE.

Schedule Forming Part of Balance Sheet as at 31st March, 2020.

SCHEDULE - 1

culars Amount (Rs.)		Amount (Rs.)	
	as at 31.03.20	as at 31.03.19	
GENERAL FUND			
Opening Balance	50,08,863	52,64,009	
Add:			
Life Membership	72,000	1,60,000	
Golden Jubilee Symposium	-	1,25,788	
Jai Krishna Special Volume	-	1,80,000	
7 ICRAGEE	38,350		
Excess of Income over Expenditure	15,950	-	
Less:			
Excess of Expenditure over Income		4,99,397	
Fund transferred to the Corpus Fund of various Awards as per bye - laws	-	2,21,537	
TOTAL	51,35,163	50,08,863	

SCHEDULE - 2

AWARD FUND & PROVISIONS		
Jai Krishna Award	20,000	20,000
Arbinda Mukhopadhyay Award	20,000	20,000
Hanumanta Charya Joshi Award	20,000	20,000
V.H. Joshi Award	20,000	20,000
B. N. Gupta Award	20,000	20,000
Trifunac Award	2,51,000	2,51,000
SP Award for outstanding Contribution (I)	3,24,000	3,24,000
SP Award for outstanding Contribution (II)	4,07,000	4,07,000
SP Award for outstanding Contribution (III)	3,60,000	3,60,000
B. K. Maheshwari Research Award	51,000	51,000
V.H. Joshi Award (II)	8,78,000	8,78,000
Biot Award	10,59,000	10,59,000
D. K. PAUL Research Award	3,29,000	3,29,000
T.G.Sitharam Research Award	2,20,000	
TOTAL	39,79,000	37,59,000

SCHEDULE - 3

Fixed Assets		Additions		Total	Rate of	Dep.	W.D.V
Particulars		Before	After 30.09.19		Dep.		as on 31.03.20
		30.09.19					
Building	2,247			2,247	0	225	2,022
Office Equipment	67	-	-	67	0	10	57
Furniture & Fixtures	3,179		-	3,179	0	318	2,861
P.C. Extension	13,212	-	-	13,212	0	1,982	11,230
U.P.S.	3,803	-	-	3,803	0	570	3,233
TOTAL	22,508			22,508		3,105	19,403
Previous year Figures	26,126		-	26,126		3,617	22,509



SCHEDULE - 4

DETAILS OF INVESTMENT AS ON 31-03-2020

SI. No.	Particulars	Date of Investment	Invested Amount in Rupees	Date of Maturity
1.	IOB No. 2014/NDRO 0576991 035904000007746	21.08.2019	700000.00	17.08.2020
2.	IOB No. 2014/NDRO 0577069 035904000007903	09.09.2019	2500000.00	09.09.2020
3.	IOB No. 2014/NDRO 0577177 035904000008072	03.10.2019	1600000.00	01.10.2020
4.	IOB No. 2014/NDRO 0577326 035904000008315	01.11.2019	100000.00	31.10.2020
5.	IOB No. 2014/NDRO 0579427 035904000006619	27.11.2019	400000.00	27.11.2020
6.	IOB No. 2014/NDRO 0579428 035904000008620	27.11.2019	358435.00	27.11.2020
7.	IOB No. 2014/NDRO 0579429 035904000008621	27.11.2019	2300000.00	27.11.2020
8.	IOB No. 2014/NDRO 0579534 035904000008811	31.12.2019	200000.00	30.12.2020
9.	IOB No. 2014/NDRO 0577070 035904000007904	09.09.2019	220000.00	09.09.2020
10.	PNB No. 404400 PU00065217	03.10.2019	1300000.00	03.10.2020
11.	PNB No. 404400 PU00065031	30.09.2019	900000.00	30.09.2020
12.	PNB No. 404400 PU00066100	13.11.2019	600000.00	13.11.2020
Describer to		TOTAL	11178435.00	



INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY I.I.T. ROORKEE, ROORKEE.

SCHEDULE - 5

Particulars	Amount (Rs.)	Amount (Rs.)
	as at 31.03.20	as at 31.03.19
CASH & BANK BALANCES		-
I.O.B.	1,18,169	1,45,799
P.N.B.	1,78,425	43,308
TOTAL	2,96,594	1,89,107
Schedule Forming Part of Income & Expenditure Account for the year ended 31st Mrach, 2020.		
SCHEDULE - 6		
SALES		
Sales of Manuals / Proceedings / Journal	8,375	8,620
TOTAL	8,375	8,620
SCHEDULE - 7		
Subscription & Annual Membership		
Subscription	26,000	14,100
Annual Member	3,000	4,000
Life Fellow	-	7,000
TOTAL	29,000	25,100
		41
SCHEDULE - 8		
OTHER INCOME		
Interest	7,19,017	5,74,032
Registration Fees received from 6 ICRAGEE (10% Share)		93,083
Royalty Received	732	1,04,951
TOTAL	7,19,749	7,72,066



INDIAN SOCIETY OF EARTHQUAKE TECHNOLOGY I.I.T. ROORKEE, ROORKEE.

SCHEDULE - 9

Administrative & Contingencies Expenditure

Particulars	Amount (Rs.)	Amount (Rs.)
	as at 31.03.20	as at 31.03.19
Printing of ISET Publications	59,918	2,31,307
Postage	7,150	9,040
Salary	5,25,951	4,82,468
Stationary	3,877	13,037
Award		4,42,216
Bank Charges	402	795
Audit and Professional Fees	27,600	
ECM/AGM	64,975	81,119
Telephone Expenses	822	1,739
Contingency	22,712	21,845
Website Expenses	24,662	18,000
TOTAL	7,38,069	13,01,566

SCHEDULE - 10

SIGNIFICANT ACCOUNTING POLICIES AND NOTES ON ACCOUNTS ATTACH TO AND FORMING A PART OF BALANCE SHEET AS AT 31st MARCH, 2020.

1. ACCOUNTING CONCEPTS:

- The society follows the cash system of accounting and recognizes income and expenditure on receipt basis. The accounts are prepared on historical cost and going concern.
- Accounting policies not referred to otherwise consistent with generally accepted accounting policies.

2. FIXED ASSETS:

- Fixed assets are stated at cost and cost includes installation charges and other expenditure during the year whenever necessary.
- Fixed assets are accounting for on historical cost basis and are capitalized on completion on projects.
- In respect of depreciable assets, depreciation is provided on WDV method.
- In accordance with the guidelines issued by The Institute of Chartered Accountants of India, whenever there are uncertainties in realization of the same, is not accounted for.
- 4. Life membership fees and fellow membership fees has been credited to capital fund.
- 5. The membership and other receipts, which has been received other than rupees, are not accounted for on date of credit given by bank.

For and on behalf of Executive Committee,

Secretary

Co-Editor

As per our separate report of even date.

For VIKAS KHANNA & CO. CHARTERED ACCOUNTANTS FRN. 010213C

Place: ROORKEE

Dated:

19 OCT 20

A. VIKAS KHANNA PROP.

M. No. 079929