

Prologue

Journal of Engineering Geology, a journey towards Golden Jubilee

I am honoured to be associated with the Golden Jubilee celebration of '*Journal of Engineering Geology*', the only journal of the country of this sort, which has been heartthrob of many engineering geologists, engineers and other infra structure development related technocrats for the last fifty years. The quality journal has been lively in all issues because the content belongs to people and its maintenance and management has been always by one among the working force. The journal, though do not have colourful or glossy paper but its quality of content is on par with the international standards, just because many times, the papers pertain to issues faced by the ground people and how they resolve them indigenously. The Journal was borne with its first issue, fifty years back on 1st October, 1966, to complement yet another great body, Indian Society of Engineering Geology, which was borne just one year ahead on 15th October, 1965. ISEG is the prestigious society which deals with Engineering Geology, other infrastructure related issues and Geohazards in the country. The Journal and the Society are working together, supplementing and complementing each other for the last fifty years. We have celebrated Golden Jubilee of the Society, way back in October, 2015 and now, I am glad that we are celebrating Golden Jubilee of the Journal, and to commemorate the event, an 'International Conference on Engineering Geological Solutions for Sustainable Development' popularly known as EGCON-2017, is being organised at New Delhi on 7-8 October, 2017.



Photograph 1 Dignitaries during the inauguration of Indian Society of Engineering Geology on 15th October 1965, a prelude to the Journal of Engineering Geology.

While marching the journey of journal, not necessarily, it was always hilarious. The journal had to pass through difficult patches, faced ups and downs. As most of engineering geologists and engineers do believe in ground realities, call spade a spade, put all their intellect, hard work and resolve issues on ground. But many times, it is just not possible for them to put their efforts on paper and publish their works and achievements in the form of a scientific paper. As a result, despite having many knowledgeable working force and sympathetic members in its account, the journal used to face dire shortage of papers besides shortage of funds. After crossing all these hurdles, passing through the ardent hands of many shrewd editors, the Journal has been matured and attained age of fifty very fast. It is attempted here to showcase a brief description of journey of the journal towards its Golden Jubilee.

Volume I, Number 1: October, 1966

The origin, progress and development of 'Journal of Engineering Geology' (JoEG) and 'Indian Society of Engineering Geology' (ISEG) cannot be studied individually. As both are interdependent, supplement and complement each other, progress of both are to be studied together. It is evident that ISEG was inaugurated at a landmark meeting held at Kolkata on 15th October, 1965 by Dr. K.L. Rao, Engineer-Minister for Irrigation and Power, Govt. of India. The inaugural function was held under the Chairmanship of Shri P.C. Sen, Chief Minister of West Bengal, Dr. A.G. Jhingran, Director General, Geological Survey of India and Dr. D. N. Wadia, who functioned as Founder President and delivered presidential address. Dr. A.N. Khosla, Governor of Odisha and distinguished engineer was the Chief Guest. It is but natural that the inaugural volume of the journal (Vol. I, No.1) contain speeches delivered at the inaugural function by Shri P.C. Sen, Chief Minister, West Bengal, address by Dr. K.L. Rao, Union Minister for Irrigation and Power, address by Dr. A.N. Khosla, Governor of Odisha and Presidential address by Dr. D.N. Wadia, FRS, National Professor of Geology, beside other important papers. It was decided in the meeting to bring out the journal as a quarterly publication of the Society. The meeting was followed by a symposium on 'The Geological and Engineering problems of River Valley Projects' on 16-18 October, 1965. It was also decided that the proceedings of the symposium held will be published as a special volume to be named after Dr. J. B. Auden. It may not be out of place to mention here that beside Dr. D.N. Wadia, FRS as founder President, three Vice Presidents are Mr. M.R. Chopra, Dr. A.G. Jhingran and Mr. P.C. Hazra; Mr. M.S. Balasundaram as Secretary; Mr. V.S. Krishnaswamy as Editor and Mr. Hamzah Ali as Treasurer functioned.

Dr. J.B. Auden Commemorative Volume, December, 1972

As it was decided earlier that the proceedings of the symposium on 'The Geological and Engineering problems of River Valley Projects' held at Kolkata on 16-18 October, 1965 was published as Dr. J.B. Auden Commemorative Volume in 1972, as a mark of honour Dr. J.B. Auden, the Father of Engineering Geology, as dedication and fitting tributes to his pioneering services rendered in the field and an Honorary Life Member of the ISEG. S/Shri V.S. Krishnaswamy and P.N. Mehta were Editors and S/Shri G. Pant, S.N. Sondhi and G.N. Jaitle were Assistant Editors of the Volume which turned out to be a landmark publication of the ISEG where several important papers presented in the symposium were published.

Volume II, Number 1: October, 1967

It is noted that ISEG organised a symposium on 'Problems of Landslides' in November, 1966 in Kolkata. This volume accommodated some of the papers presented at the symposium beside other papers. Shri R.K. Sundaram was Editor to the volume.

Volume III, Number 1: October, 1968

Shri R.K. Sundaram, Editor appealed in the issue that they could not bring the journal quarterly despite good efforts due to lack of adequate contributions and appealed all members to contribute articles immensely. He was also worried that even after three years, the realisation of this objective seems to be a far cry. The issue contains papers presented in the symposium on 'Construction Materials and their influence on the design of engineering structures' held at Hyderabad on 1st December, 1967.

Volume IV, Number 1: October, 1969 (Khosla Volume)

The ISEG, realising the significance and importance of Rock Mechanics, the relatively new branch of geosciences, had organised the first ever 'Symposium on Rock Mechanics' at Lucknow on 17-18 October, 1968. The symposium was inaugurated by Shri B.B. Lal, Chief Secretary, Govt. of Uttar Pradesh. Dr. A.N. Khosla, addressed the gathering as Chief Guest. During the technical discussions that followed, more than 54 papers were presented on practical application of this science. It was decided that the proceedings of this symposium be published as the 'Khosla Volume' in honour of Dr. A.N. Khosla, one of the foremost civil engineers of India with the unique distinction of having conceived and constructed most of the major irrigation and hydel projects in the post-Independence era. Shri R.K. Sundaram, continued to function as Editor.

Volume V, Number 1: October, 1970 (Khosla Volume)

This volume also contains papers presented at 'Symposium on Rock Mechanics' held at Lucknow on 17-18 October, 1968. Shri R.K. Sundaram, Editor urged in his editorial of the volume, the dire shortage of papers to maintain the journal quarterly and shortage of funds.

Volume VI, Number II: October, 1971 (Khosla Volume)

This volume, the fourth part of Khosla Volume, contains papers presented at 'symposium on Rock Mechanics' held at Lucknow on 17-18 October, 1968. (It is indicated that Khosla Volume has 1 to 5 volumes. As I could not access Vol. 3, it is not detailed here.) Shri R.K. Sundaram, Editor expressed his concern on shortage of papers. He appealed that beside members practicing Engineering Geology profession, other members practicing civil engineering design and construction, soil mechanics, rock mechanics and other specialised disciplines also contribute articles of topical interest to the journal.

October, 1971: Seminar Proceedings

ISEG organised a Seminar on 'Engineering and Geological Problems in Tunnelling' at New Delhi on 22-23 October, 1971. Proceedings of the Seminar has been brought out in two volumes, which is a landmark publication on state of the art on the theme. S/Shri Y.K. Murthy, R. Narayana, Dr. B.M. Ahuja and V.S. Krishnaswamy were in the Editorial Board. The Seminar identified importance of tunnelling in time to come in various fields of infrastructure developments. Shri M.S. Balasundaram, President of ISEG and

Director General, GSI while delivering his welcome address, mentioned that systematic studies of geological problems in major projects commenced after establishing Engineering Geology Division in GSI in 1945.

November, 1973: Seminar Proceedings

ISEG organised a Seminar on 'Foundation problems of power houses and related ancillary structures' at New Delhi on 19-20 November, 1973. Shri S.N. Chaturvedi, Editor brought out Proceedings volume incorporating papers presented in the Seminar.

October, 1974: Colloquium Proceedings

ISEG organised a Colloquium on 'Planning for hydel power development in the context of present energy crisis in India' at Kolkata on 19-20 October, 1974 and brought out a Proceedings volume of the Colloquium.

February, 1975: Seminar Proceedings

ISEG organised a Seminar on 'Landslides and toe erosion problems with special reference to Himalayan Region' at Gangtok, Sikkim on 24-26 February, 1975 and brought out a Proceedings volume of the Seminar. This volume has become a landmark volume on studies of landslides in the country.

Volume VII, Number I: April, 1975 (Khosla Volume)

Shri B.N. Niyogi, Editor of the journal proposed an apology for the delay and inability of the Society to keep up stringent financial situation to bring the journal in time. It was also decided that to combine the outstanding volumes into one to keep pace with the time. This volume also incorporates papers presented 'symposium on Rock Mechanics' held at Lucknow on 17-18 October, 1968. The editor of the volume mentioned that Engineering Geology can flourish only as an inseparable and integral part of the Geosciences.

Volume VIII, Number I: April, 1976

Shri S.N. Chaturvedi, Editor of the journal opined that all good workers need not have journalistic flare and hence despite their having good work done, it may not be possible always to present a technical paper. However, as the Society has been created by us to share the experience, disseminate practical knowledge and identify new fields of study in future, it is necessary to contribute and he urged all to contribute immensely in the JoEG.

Volume IX, Number I: December, 1979

Shri S. Gangopadhyay, Editor expressed his anguish that the journal could not be published for quite some time due to financial constraints and at the same time due to lack of sufficient material for publication. He also urged that exchange of knowledge between engineers and geoscientists is the main motto of the Society and to fulfil this aim, our members must come forward, express their views and experiences and publish through this journal for greater dissemination of knowledge.

Volume X, Numbers 3&4: September, 1981. (Volume 1&2 could not be accessed)

The issue incorporated part of proceedings of Workshop held at Hyderabad. Shri S.K. Shome, Editor incorporated a new feature from the issue which is mainly news regarding forthcoming events, such as, technical seminars / symposia in the field of Engineering Geology and Geotechniques at the end of the journal for benefit of fellow members. The issue also incorporated an elaborate Presidential Address delivered by Shri P.M. Mane, at the 15th Annual General Meeting of the ISEG, held at Hyderabad on 23rd December, 1980.

Volume XI, Numbers 1&2: March, 1982

Shri S.K. Shome, Editor incorporated remaining part of proceedings of Workshop held at Hyderabad. He also thanked one and all for helping him to bring out biannual publication of the journal upto date. He also invited to initiate short review of interesting geotechnical problems and remedial measures adopted on particular project sites so that the same can be incorporated in the journal as 'News from Project sites'.

Volume XI, Numbers 3&4: March, 1982

Shri S.K. Shome, Editor expressed his excitement on timely issue of the journal. The journal contains an elaborate presidential address of Shri R.K. Sundaram and a very detailed paper on development of Engineering Geology in India, by Shri M.S. Balasundaram, eminent personalities in the field.

December, 1982: Seminar Proceedings

ISEG organised '4th International Congress of International Association of Engineering Geology' at New Delhi on 10-15 December, 1982. Proceedings of the Conference, on about 7 themes, extend to 10 volumes. The iconic publication of ISEG is state of the art globally followed. The Conference provided an excellent opportunity to Indian Engineering Geologists and Geotechnicians to meet and exchange ideas and experiences with their counterparts from all over the world.

December, 1982: Special Publication on the occasion of 4th Congress of IAEG.

Shri S.K. Shome, Editor brought out a Special Publication on 'Geotechnical features of Major dams in India' which contain a brief though complete geotechnical information with educative plates and excellent photographs of sixty major dams and river valley project of the country. The volume is another important landmark in achievement of the Society for dissemination of knowledge among the fraternity of scientists engaged in the field of geotechnical engineering in the country.

Volume XII, Numbers 1&2: March, 1983

Shri S.K. Shome, Editor incorporated major part of proceedings of the workshop on 'Recent Trends in Foundation Evaluation and treatment for Civil Engineering Structure' held at Jaipur on 24th June, 1982. All papers published in the volume are of very good standard and discussed contemporary issues.

Volume XII, Numbers 3&4: September, 1983

Shri S.K. Shome, Editor incorporated remaining part of proceedings of the workshop on 'Recent Trends in Foundation Evaluation and treatment for Civil Engineering Structure' held at Jaipur on 24th June, 1982 and other papers received.

Volume XIII, Numbers 1&2: September, 1984

Shri Zamir Ashraf, Editor incorporated in the volume, Presidential Address by Shri R.K. Sundaram and Inaugural Address by Shri K.M. Maheshwari beside other papers. It is also heartening to note in the issue 'some facts and figures of earthquakes' a popular article by Shri S.K. Shome, which is really informative and brief. May be, such articles may be encouraged on all topical themes of the subject for getting more clarity on fundamental issues.

Volume XIII, Numbers 3&4: September, 1984

Shri Zamir Ashraf, Editor incorporated in the volume, papers on landslide studies, slope stability problems and aerial photo study. With limited material available with him, the editor has brought out the publication adhering to time schedule of the journal.

Volume XIV, Numbers 1&2: March, 1985

Shri Zamir Ashraf, Editor incorporated ten full papers submitted for their presentation in the ensuing ISEG Symposium on 'Geological and engineering problems of water resources development', scheduled to be held at Shillong on 20-22 May, 1985, as preparation to bring out the publication before the Symposium. His meticulous editorial acumen can be seen in the volumes.

Volume XIV, Numbers 3&4: September, 1985

Shri Zamir Ashraf, Editor incorporated another ten full papers submitted for their presentation in the ensuing ISEG Symposium on 'Geological and engineering problems of water resources development', scheduled to be held at Shillong on 20-22 May, 1985, as preparation to bring out the publication before the Symposium. The September issue of the journal was brought out earlier so that pre-prints of papers are available at the time of Symposium. It is really heartening to note many good papers are published in the journal.

Volume XV, Numbers 1&2: March, 1986

Shri Zamir Ashraf, Editor incorporated some more papers submitted for their presentation in the ISEG Symposium on 'Geological and engineering problems of water resources development', held at Shillong on 20-22 May, 1985. The news covering 8 pages of the issue, informing forthcoming events with global coverage is given at the end of the journal is found to be very informative and useful.

Volume XV, Numbers 3&4: September, 1986

Shri Zamir Ashraf, Editor incorporated remaining papers submitted for their presentation in the ISEG Symposium on 'Geological and engineering problems of water resources development', held at Shillong on 20-22 May, 1985. The issue also include detailed Proceedings of Symposium

on 'Geological and engineering problems of water resources development', held at Shillong on 20-22 May, 1985. News of forthcoming events is also added.

Volume XVI, Numbers 1&2: March, 1987

Shri Zamir Ashraf, Editor incorporated papers pertaining to several contemporary issues.

Volume XVI, Numbers 3&4: September, 1987

Shri Zamir Ashraf, Editor incorporated papers submitted to ISEG Symposium on 'Environmental management in Relation to Water Resources Development and Major Constructions' held at Lucknow on 27-29 October, 1987. This was also a pre-printed version to facilitate timely availability of publication of papers submitted for the symposium. The volume is certainly a good number having devoted to various issues of environmental management.

Volume XVII, Numbers 1&2: March, 1988

Shri Zamir Ashraf, Editor incorporated papers submitted to ISEG Symposium on 'Environmental management in Relation to Water Resources Development and Major Constructions' held at Lucknow on 27-29 October, 1987 (pre-printed in October, 1987). The volume incorporated a good number of papers on various issues of environmental management written by eminent personalities.

Volume XVII, Numbers 3&4: March, 1988

Shri Zamir Ashraf, Editor incorporated papers submitted to ISEG Symposium on 'Environmental management in Relation to Water Resources Development and Major Constructions' held at Lucknow on 27-29 October, 1987 (pre-printed in October, 1987). The volume also incorporated a good number of papers on various issues of environmental management written by eminent personalities.

September, 1989: Workshop

ISEG organised a Workshop on 'Engineering Geological Investigations for the Projects under construction and those completed during the last decade' at Hyderabad on 29th September, 1989. Abstract volume was published.

Volume XVIII, Numbers 1&2: March, 1989

Shri N.K. Mandwal, Editor stated that the Symposium on 'Environmental management in Relation to Water Resources Development and Major Constructions' held at Lucknow on 27-29 October, 1987 was a great success. Many eminent engineers and geologists actively participated in the deliberations. There was a good response to our circulars for submission of papers and as many as 50 papers were accepted for publication. Most of these papers were orally presented by authors in the symposium and their publication has run into eight issues of our Quarterly Journal, i.e., Vol. XVI No.3&4 (Sep.,1987), Vol.XVII No.1&2 (Mar., 1988), Vol.XVII No.3&4 (Sep., 1988), and Vol. XVIII No.1&2 (Mar., 1989). And the present issue is the last one containing remaining seven papers and proceedings of the symposium. The issue also published Inaugural speech of Shri Z.R. Ansari, Union Minister of State for Environment & Forests, which was read in the inaugural function of the Symposium in his absence. The issue also added Presidential Address by Shri K. Madhavan.

Volume XVIII, Numbers 3&4: September, 1989

Shri N.K. Mandwal, Editor incorporated in the issue papers covering wide range of subjects from Environmental management to guidelines for preparation of engineering geology maps.

Volume XIX could not be accessed.

Volume XX, Numbers 1-4: March & September, 1991

Shri N.K. Mandwal, Editor incorporated Proceedings and papers of Silver Jubilee Seminar on 'Trend in Geotechnical Investigation in last twenty five years' held at Kolkata on 24-25 October, 1990. Most of the papers were written by eminent personalities and they are of state of the art of the discipline.

*20-22 November, 1996: Symposium Keynote addresses
Keynote addresses presented at Proceedings of Symposium on 'Modern Practices in Geotechniques' held at Lucknow on 20-22 November, 1996.*

Volumes XXI to XXIII could not be accessed.

Volume XXIV, Numbers 1-4: September, 1997

Dr. Prabhas Pande, Editor mentioned that the issue was a belated publication which could not be brought out in time. It incorporated a total nine technical papers, six of which have been borrowed from the stock of the symposium on 'Modern Practices in Geotechniques' held at Lucknow on 20-22 November, 1996. These papers cover a wide spectrum of geotechnical science and are based mostly on actual field experiences. Some useful information regarding our river basins and notable world earthquakes were included in the issue.

Volume XXV, Numbers 1-4: November, 1996

Dr. Prabhas Pande, Editor mentioned that the issue incorporated a total twenty five technical papers submitted for symposium on 'Modern Practices in Geotechniques' held at Lucknow on 20-22 November, 1996.

Volume XXVI, Numbers 1-4: 1998

The issue included papers presented in the proceedings of Symposium on 'Modern Practices in Geotechniques' held at Lucknow on 20-22 November, 1996.

Volume XXVII could not be accessed.

Volume XXVIII, Numbers 1-4: March, 2003 (Years 2000-2001)

Shri Swatantra K. Gupta, Editor regretted for the delay occurred in bringing out the issue. The number too included some papers from the proceedings of the Workshop on 'Geohazards and Related Societal issues' held at Lucknow in November, 1998.

Volume XXIX, Numbers 1-4: November, 2002

Shri Swatantra K. Gupta, Editor included scrutinised papers submitted for ‘Colloquium on the Role of Engineering Geology in National Development’ scheduled at Dehradun in November, 2002. The issue contain a large number of standard papers on the theme relevant to contemporary interests.

Volume XXX, Numbers 1-4: (Year 2003) Published in October, 2004

Shri Yogendra Deva, Editor incorporated Proceedings and remaining papers submitted for ‘Colloquium on the Role of Engineering Geology in National Development’ scheduled at Dehradun in November, 2002. The Editor also mentioned about the maiden venture of the releasing Society’s Newsletter in March, 2004.

Volume XXXI could not be accessed.

Volume XXXII, Numbers 1-4: December, 2005

Dr. R.K. Avasthy, Editor stressed the need of landslide studies and incorporated a few good papers on the theme. Further, a good paper on problems of locating an atomic power plant on Aeolian deposits is seen in the issue.

Volume XXXIII, Numbers 1-4: December, 2006

Dr. R.K. Avasthy, Editor incorporated in the issue, papers submitted for ‘Brainstorming Session on Engineering Geology and Geohazards’ held at Lucknow on 22nd December, 2006. The issue contains very good papers on themes engineering geology and geohazards.

Volume XXXIV, Numbers 1-4: December, 2007

Shri U.V. Hegde, Editor mentioned about biannual Newsletter, periodicals & journals. Further, he also mentioned about the newly launched edifying and vibrant website of the ISEG. He opined that investigations help in minimizing difficulties but the word investigation itself is not solution to the problem. Best and efficient methods of construction are essential especially in poor media for successful commissioning of projects.

Volume XXXV could not be accessed.

Volume XXXVI, Numbers 1-4: December, 2009

Dr. V.K. Sharma, Editor incorporated in the issue Proceedings of the ‘Seminar on Challenges in Engineering Geology’ held at Hyderabad on 3-5 December, 2008. The deliberation in the seminar provided platform for sharing knowledge on latest topics on the subject. The deluge of research contributions by engineers, geologists and technocrats was a testimony to the interest in topics of societal relevance. The seminar is a means to provide opportunity to all stakeholders in the country engaged in the field of engineering geology and to interact among them. Many papers presented in the seminar are incorporated in the issue.

October, 2015: Special Publication

Special Publication on papers submitted at 'International Conference on Engineering Geology in New Millennium' popularly known as EGNM, held at New Delhi on 27-29 October, 2015, on celebration of 50 years of ISEG. The Special Publication encompasses refereed papers presented at the Conference. The issue is a great collection of geotechnical and scientific papers.

My intention is to showcase progress of the journal from its beginning. I think, it is not necessary to give account of present condition of the journal, as many readers are well aware of its excellence and hence latest volumes of the present decade are not discussed here.



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