

Editorial Board

1. Dr. Gopal Dhawan, *CMD, MECL, Nagpur*
2. Dr. V.M. Sharma, *AIMIL, New Delhi*
3. Shri Balraj Joshi, *NHPC, Faridabad*
4. Shri P.L. Narula, *GSI(Retd.), New Delhi*
5. Dr. Prabhas Pandey, *GSI(Retd.), Lucknow*
6. Shri A.K. Mishra, *MD, MHPA, Bhutan*
7. Dr. Y.P. Sharda, *SNC Lavlin, New Delhi*
8. Shri Y. Deva, *ICCS Ltd, Noida*
9. Shri M. Raju, *GSI, Kolkata*
10. Shri U.V. Hegde, *Consultant, Bengaluru*
11. Dr. V.K. Sharma, *GSI(Retd), Lucknow*
12. Dr. Rajbal Singh, *CSMRS (Retd), New Delhi*
13. Dr. Manoj Verman, *Consultant, New Delhi*
14. Dr. Hasan Abdullah, *Director, CSMRS*
15. Prof. K.S. Rao, *IIT, Delhi*
16. Shri M.J. Ahmed, *ACES, Dubai*
17. Shri Imran Sayeed, *GM, NHPC, Faridabad*
18. Dr. R.K. Goel, *CIMFR-CBRI, Roorkee*
19. Dr. R. Chitra, *CSMRS, New Delhi*
20. Prof. R.G.S. Sastry, *IIT, Roorkee*
21. Shri Ashok Kumar, *GSI, Hyderabad*
22. Shri N.K. Mathur, *NHPC (Retd.), Faridabad*
23. Dr. Rajendra Kr. Dubey, *ISM-IIT, Dhanbad*
24. Dr. D.S. Subramayam, *NIRM, Bengaluru*
25. Shri Pradeep Singh, *Director, GSI, New Delhi*
26. Dr. Ranjit Rath, *EIL, New Delhi*
27. Shri S.L. Kapil, *GM, NHPC, Faridabad*
28. Rahul Khanna, *NHPC, Faridabad*
(Editor/ Convener)

Address for Correspondence:

Rahul Khanna Editor, ISEG

C/o Project Investigation Division
NHPC Office Complex, Sector-33,
Faridabad, Haryana-121003
E-mail: iseg2015@gmail.com; editor@joegindia.com

Gopi Kannan L
Joint Editor

Part of the journal is available in electronic form at
website: www.joegindia.com

Copies of journal can be obtained by book post.
An amount of Rs 350/- has to be deposited through
on line bank transfer. Bank details are given below:
Name: UCO Bank; Branch: GSI Branch,
Aliganj, Lucknow;

Name of account: "INDIAN.SOC.OF.ENG";
Account No.:90330200000045;
IFSC Code : UCBA0002024

In case it is required by speed post please add
Rs 90/-. International orders will cost \$150 per copy
including postage.

**Vol. XLI, No's 1 & 2 for June/December 2016
published by Indian Society of Engineering
Geology.**

(C) Indian Society of Engineering Geology, 2017

Indian Society of Engineering Geology

(IAEG India National Group)

(Established 1965)

Secretary, Indian Society of Engineering Geology,
C/o General Manager (Geotech),
Engg. Geology & Geotechnical Division,
NHPC Ltd, Sector-33, Faridabad-121003
Mobile: +91-9432672087
E-mail: india.seg@gmail.com

ISEG Council

The Indian Society of Engineering Geology (ISEG) also the
Indian National Group of International Association of
Engineering Geology and Environment (IAEG) is managed by
an elected Governing Council. ISEG Council for the session
2016-17 is given below:

President

Ramesh Narain Misra CMD, SJVN Ltd., Shimla

Vice-Presidents

Ashok Kumar Dy. D. G. GSI, Hyderabad
Dr. V.K. Sharma Dy. D.G. GSI (Retd.), Lucknow
K.C. Joshi Director, GSI, Lucknow

Secretary

Imran Sayeed GM (Geotech), NHPC Ltd., Fbd.

Joint Secretaries

Arindom Chakraborty Manager, NHPC Ltd, Fbd.
Akhouri Bishwapriya Suptd. Geologist, GSI, Patna

Treasurer

Alok Kumar Suptd. Geologist, GSI, Lucknow

Editor

Rahul Khanna Manager, NHPC Ltd, Fbd.

Joint Editor

Gopi Kannan L Manager, EIL, New Delhi

Past President

Dr. Gopal Dhawan CMD, MECL, Nagpur

Past Secretary

M. Raju DG, GSI (Retd.), Kolkata

Council Members

Dr. Saibal Ghosh GSI, Kolkata
G.C. Kandpal GSI, Lucknow
Dr. S.N. Patil NMU, Jalgaon
Dr. Pranay V. Singh NHPC Ltd., Faridabad
Dr. Mridul Srivastava GSI, Lucknow
Dr. P.D. Nemade SPBCE, Dist-Pune
P. Narasimham DoH, T.N. Gov., Dharmapuri
M.C. Upadhyay GSI, Lucknow
Dr. Pankaj Jaiswal GSI, Kolkata
Dr. Niroj K. Sarkar GSI, Kolkata

Front Cover Photograph: View of Pothead yard backslope
of Mangdechhu HE Project, Bhutan. Multiple rows of cable
anchors installed to stabilize this backslope.