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ISEG NEWS

Biannual Newsletter

INDIAN SOCIETY OF ENGINEERING GEOLOGY

Bridging communication gap...

C/o Engineering Geology Division, 8-A, Geological Survey of India, Sector-E, Aliganj, Lucknow 226 024, India
Tel. : +91-522-2321936/436/426/247; Extn. :827/817; e-mail : mail@isegindia.org

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Election to the ISEG Council, Term 2009-2010

Invitation for Nomination

As the term of the ISEG Council for the Term 2007-2008 comes to an end in December 2008, nominations for the next Council (Term 2009-2010) are invited in the enclosed form accompanied by brief Bio-data, photograph and mailing details (e-mail ID, address and telephone no.) of the nominee. The nominations should be duly proposed and seconded by the members of good standing, i.e. Life Members or those Members (M, IM & AM) who have paid their annual subscription for the year 2008. The acceptance of the nominee may also be obtained on the nomination form itself or sent separately. Station-wise list of members of good standing is enclosed for the purpose.

Only Life Members of the Society are eligible for holding any post in the ISEG Council. Nominee must hold valid Membership of the IAEG as well and must clear his IAEG membership dues on or before 30 Sept. 2008. The ISEG Secretariat will be sending an intimation in this regard to the nominees by the end of August 2008. Please note that the nominations will be invalid if:

- The Nomination Forms submitted are incomplete.
- The Nomination Forms are not accompanied by supporting documents, viz. Bio-data, Photographs and Mailing details (including e-mail ID and Telephone No., if any).

- There is nomination of more than one person per vacant post.
- There is nomination of the same person for more than one post.
- Nomination (s) is/are not accompanied by the acceptance of the nominee. In case of outstation nominees, the acceptance may be sent separately but must reach the Secretary, ISEG before the due date. This must be mentioned in column-6 of the nomination form.

Duly filled-in Nomination Form, along with supporting documents, is to be sent by Registered Post, or in person, to the Secretary, ISEG, c/o Engineering Geology Division, 8th floor, A-Block, "Vasundhara", Geological Survey of India, Sector-E, Aliganj, Lucknow 226 024.

Last date of receiving nominations is 15 September 2008.

Note: The brief Bio-data may not exceed 100 words and must include information on organizational affiliation, designation, date of birth, academic qualification and professional experience.

(Y. Deva)
Secretary, ISEG

From the Editor's Desk . . .

Geological input in planning stage for large civil engineering projects is a necessity and results in huge savings in terms of cost and time. The example of Railway link to Kashmir valley comes to the mind. The project started with an ambitious time schedule but is understood to be facing geological problems from the beginning. In an effort to maintain the gentle gradient and wider curves for broad gauge railway, the alignment has been planned with engineering considerations in the forefront. It is understood that portals of several tunnels happened to be located in overburden which in turn are resulting in problems associated with soft ground tunnels. Furthermore, many tunnels are also passing through weak media like shales, phyllites and crushed zones. The rugged terrain, together with law and order problems, hampers the field survey resulting in difficulties in accurate prediction of the tunnelling media. Very high cover over some of the tunnels, like the one across the Pir Panjal Range, may pose problems like rock bursts and squeezing ground conditions. It shall be a challenging task to complete nearly 100 km of tunneling envisaged against the J & K railway line. It would be prudent to learn from experience in tunnels from some of the

hydroelectric schemes in the vicinity such as Sewa, Salal, Chenani, Baghliar, Dul Hasti, Uri Stage I and Stage II. Open cuts for the railway line and major bridges over Chenab are other Challenges and may require some of the best brain in field of geotechnical field. Construction of 3000 MW Dibang Multipurpose Project in Arunachal Pradesh is another big engineering venture taken up in the country.

The project envisages construction of 288m high concrete gravity dam which shall be one of the highest dams in the world. The geological setting of the project with Mishmi Thrust in the south and Tidding suture zone and Lohit Thrust in the north, make the project even more challenging for geologists. All project components, including dam and power house, are placed in gneiss rock of Hunli Formation. The Thrust plane is expected to dissect the TRT near its outlet portion. Innovative design measures as well as state of the art construction methodology, backed by sound geological advice, shall see the engineering marvel through.

(U.V. Hegde)

**Council
2007-2008**

President

D.G. Kadvade

JAL, New Delhi

Vice-President

G.Pant

GSI (Retd), Lucknow

G.M. Prasad

THDC, Rishikesh

T. Ramamurthy

IIT (Retd), Delhi

Secretary

Yogendra Deva

GSI, Lucknow

Joint Secretary

Ashok Kumar

GSI, Lucknow

Imran Sayeed

NHPC, Faridabad

Treasurer

Anil Mehrotra

GSI, Lucknow

Editor

U.V. Hegde

GMR, Bangalore

Past President

M. Tiwari

GSI, Lucknow

Past Secretary

Yogendra Deva

GSI, Lucknow

Council Member

A.K. Chadha

SJVNL, Shimla

Alok Kumar

GSI, Lucknow

H.C. Khanduri

GSI, Dehradun

Harsh Gupta

GSI, Lucknow

J.L. Narang

THDC, Rishikesh

M.J. Ahmed

ACES, Dubai

N.K. Mathur

NHPC, Sikkim

R.G. Virmani

NHPC, Nagwain

R.K. Sanwal

GSI, Lucknow

S.V. Kumar

GSI, Jammu

Editorial Assistance

V.K. Sharma

GSI, Lucknow

Proposed Amendment to the Constitution of the Society **Request for Voting by 31 August 2008**

In the 2nd Council meeting of ISEG (Term 2007-08) held on 28 Jan 2008 at Lucknow, the operational problems in secretarial and editorial work were raised and discussed at length. It was agreed that:

- i) One of the Joint Secretaries should be of Secretary's choice,
- ii) Editorial work calls for an additional hand in the form of a Joint Editor.

In the light of the above, following amendments in the articles of the ISEG are proposed and put for voting by the members. If accepted, these amendments would constitute the 6th Amendment to the Constitution of the ISEG, following the five earlier amendments of 1980, 1982, 1984, 2004 and 2006. The members are requested to fill-in the Constitution Amendment Voting slip attached with this volume and send it by post so as to reach the Secretary, ISEG, latest by 31 August 2008.

The following modifications for amendment of articles of the constitution have been suggested.

Article 10.1:

Original: The administration of the Society shall be entrusted to a Council consisting of the President, Vice-President, Secretary, two Joint Secretaries, Editor, Treasurer and Ten Council Members. The President and Secretary of the previous year shall be additional members of the Council.

Your attention Please . . .

1. Fill up and return the 6th Constitution amendment Voting Slip before due date (31 Aug 2008).
2. Send ISEG Election Nomination, if any, by 15 Sept 2008.

Proposed amendment by modification:

The administration of the Society shall be entrusted to a Council consisting of the President, Vice-President, Secretary, two Joint Secretaries, Editor, Joint Editor, Treasurer and Ten Council Members. The President and Secretary of the previous term shall be additional members of the Council.

Article 10.2:

Original: The term of the office of the Council shall be for two years. Office bearers, including the Council Members, shall be elected every two years.


Proposed amendment by modification:

The term of the office of the Council shall be for two years. Office bearers, including the Council Members, shall be elected every two years. The posts of all the office bearers, excluding one of the two Joint Secretaries and the Joint Editor, shall be filled up by election. The post of the second Joint Secretary and Joint Editor shall be filled up by nominations by the Secretary and the Editor, respectively, and approved by the Council by simple majority.

Article 15-B: Joint Editor

Amendment by addition:

The duties of the Joint Editor shall be to assist the Editor in his editorial work for the Society and in the absence of the Editor, to function on his behalf.



(Y. Deva)
Secretary, ISEG

6th Amendment to the Constitution of the ISEG

VOTING SLIP

Last date for receiving the Voting Slip is 31 August 2008

Please tick the appropriate box against each proposed Amendment.

1. Proposed amendment to the Article 10.1 for inclusion of one post of Joint Editor in the Council.

Accepted

Not accepted

2. Proposed amendment to the Article 10.2 for filling up one post of Joint Secretary, and the post of Joint Editor, by nomination.

Accepted

Not accepted

3. Proposed amendment by addition of Article 15B for defining the duties of Joint Editor.

Accepted

Not accepted

(Signature of Member)

Name:

Membership No: LM/M/IM/AM.....

Address:

.....

.....

Email ID:

Telephone No.:

Place:

Date:.....

***Please fill up the Voting Slip and return by post to the Secretary, ISEG,
on or before 31 Aug 2008***

ELECTION TO THE ISEG COUNCIL FOR THE TERM 2009-2010

Nomination Form

This duly filled-in Form must reach the Secretary, ISEG on or before 15 September 2008

S. No	Post	Vacancy	Name of the Nominee	ISEG Life Membership No.	Signature of the Nominee in token of his acceptance of the Nomination*
1	President	1			
2	Vice-President	3			
3	Secretary	1			
4	Joint Secretary	2**			
5	Treasurer	1			
6	Editor	1			
7	Council Member (s)	10			

* If the acceptance is sent separately, please indicate so.

Encl: Nominee's brief Bio-data, Photograph and

Mailing Details (including e-mail ID and telephone No., if any)

.....
(Signature of Proposer)

Name.....

ISEG Membership No.....

I....., ISEG Membership No....., hereby second the above Nominee (s)

Signature

** In the event of acceptance of Constitution Amendment to Article 10.2, that has been put to voting, the vacant post for Joint Secretary will be only one.

Stationwise List of ISEG Members (as on 30 April 2008)

City	Name	LM	City	Name	LM	City	Name	LM
Agra	Jatana, B.L.	329	Chunghang	Datta, Amiya Kumar	1199	Faridabad	Mathur, N.K.	1112
Agra	Raina, B.N.	603	Dakor	Chauhan, M.F.	1101	Faridabad	Mishra, Binay Kumar	1245
Ahmedabad	Gupta, Sushil K.	1060	Dakpathar	Dasgupta, Arunabh	1260	Faridabad	Nair, Anitha P	1246
Ahmedabad	Modhwadia, K.E.	389	Dakpathar	Godara, Bhaira Ram	1225	Faridabad	Pal, Saikat	1236
Ahmedabad	Patel, V.K.	1096	Dehradun	Agarwal, N.K.	1205	Faridabad	Rai, Anil	836
Aizwal	Tiwari, R.P.	1137	Dehradun	Alok, B.K.	1	Faridabad	Sayeed, Imran	1115
Aligarh	Chauhan, Devraj Singh	1254	Dehradun	Bahadur, A.K.	1222	Faridabad	Verma, Ajay K.	1285
Aligarh	Prakash, Gyan	748	Dehradun	Bisht, B.S.	1148	Faridabad	Virmani, R.G.	1114
Allahabad	Pati, Dr Jayant Kumar	1237	Dehradun	Bisht, Dr. K.S.	1210	Faridabad	Walvekar, Ashok S.	823
Balaghat	Deshmukh, Rituraj	1255	Dehradun	Biyani, A.K.	1211	Gandhi Nagar	Munshi, R.N.	382
Bangalore	Eswaraiah, H.V.	1298	Dehradun	Dangwal, D.P.	1090	Gandhi Nagar	Patel, G.P.	908
Bangalore	Guru Rao, S.N.	269	Dehradun	Dhaundial, D.P.	336	Gandhi Nagar	Patel, N.M.	423
Bangalore	Krishnamurthy, K.S.	82	Dehradun	Gairola, B.M.	1119	Gandhi Nagar	Shaikh, J.J.	1099
Bangalore	Vaidyanath, L.N.	192	Dehradun	Gajbhiye, Prakash	1289	Gandhi Nagar	Shukla, U.Z.	344
Bangalore	Iyengar, M.V.S.	635	Dehradun	Ghildiyal, S.K.	691	Gandhinagar	Prakash, Indra	213
Bangalore	Kannan, S.	1125	Dehradun	Gupta, Dr. U.P.	211	Ganeshgudi	Jahangirdar, M.L.	543
Bangalore	Mahalingachari, A.C.	1010	Dehradun	Jain, A.K.	582	Ganeshgudi	Basavraj, R.	217
Bangalore	Mallikarjuna, P.R.	262	Dehradun	Joshi, Dr. Kaumudi	1207	Gangtok	Bhatnagar P.S.	897
Bangalore	Murthy, B.S.N.	911	Dehradun	Khanduri, H.C.	847	Gangtok	Joshi, K.C.	1117
Bangalore	Parthasarthy, B.	114	Dehradun	Kumar, Harsh	752	Gangtok	Bhutia, Tsherin Tashi	1155
Bangalore	Sinha, Dr. B.N.	149	Dehradun	Nawani, Dr. P.C.	1081	Gangtok	Khanal, Ganesh Chandra	1156
Bangalore	Swamy, M.M.	231	Dehradun	Rawat, J.S.	203	Gangtok	Lepcha, Gombu Tseten	1157
Banikhet	Tripathi, Dinesh Chandra	1266	Dehradun	Rawat, P.V.S.	1089	Gangtok	Sharma, Arjun Kumar	1154
Bharuch	Desai, V.R.	360	Dehradun	Singh, Bhopendra	1206	Gerukamukh	Pal, Sanjit Kumar	1291
Bhopal	Mahajani, H.V.	89	Dehradun	Bahuguna, Harish	1213	Gerukamukh	Bezbaruah, Devojit	1262
Bhopal	Parihar, C.P.S.	1299	Dehradun	Bhatt, Vineet	1250	Gerukamukh	Nand, Triveni Shankar	1264
Bhopal	Raghuwanshi, Shiv Kumar	1294	Dehradun	Garg, Mukul	1208	Gerukamukh	Singh, Gajendra Pratap	1265
Bhopal	Sampath, P.	539	Dehradun	Kainthola, Harish	1248	Ghaziabad	Jain, B.R.	542
Bhopal	Shah, K.B.	548	Delhi	Jhingran, Dr.V.	887	Ghaziabad	Mangla, Bhoj Prakash	733
Bhopal	Sharma, U.C.	791	Delhi	Singh, S.K.	896	Ghaziabad	Rajvanshi, U.S.	402
Bhopal	Shukla RC	1257	Dhanbad	Dhar, Y.R.	212	Ghaziabad	Varshney, Dr.R.S.	841
Bhopal	Upadhyay, M.C.	1088	Dhanbad	Srivastava, V.K.	545	Greater Noida	Verma, Dr. P.N.	187
Bhopal	Rana, Shailendra Singh	1256	Dhanbad	Yadav, Dr. Suresh Prasad	1301	Gurgaon	Asthana, A.K.	1219
Bhubaneshwar	Ahmed, M.J.	207	Dharamshala	Kumar, Surendra	86	Gurgaon	Choube, Rabindra Nath	854
Bhubaneshwar	Mahalik, N.K.	90	Dhule	Sahu, R.N.	1070	Gurgaon	Das, Surya Narayan	1263
Bhubaneshwar	Tripathi, S.C.	181	Dibrugarh	Goswami, S.C.	279	Gurgaon	Dixit, Rajesh	1290
Bhutan	Chowdhuri, A.K.	587	East Sikkim	Akhouri, Praveen	1270	Gurgaon	Jayachand, T.	1221
Bhutan	Mukherjee, Banibrata	1178	East Sikkim	Kannan, L. Gopi	1271	Gurgaon	Khokhar, Chandra Shekhar	1085
Bhutan	Radhakrishnan, S.	1197	East Sikkim	Sasikumar, K.	1273	Gurgaon	Mahajan, S.C.	863
Bhutan	Sengupta, Chandan Kumar	1200	Faizabad	Saran, R.B.	690	Gurgaon	Pargaien, Girish Chandra	1274
Champion Reefs	Venkateswarlu, Dr. V.	1062	Faridabad	Bandaru, NSN Kumar	1240	Gurgaon	Sood, A.K.	815
Chandigarh	Kumar, Sanjiv	1275	Faridabad	Bhatnagar, Sharad	1283	Gurgaon	Sood, N.K.	774
Chandigarh	Negi, R.S.	531	Faridabad	Nagyan, V.K.	489	Gurgaon	Verma, K.C.	893
Chandigarh	Singh Dr. G.	353	Faridabad	Relan, A.K.	280	Guwahati	Datta, B.	54
Chandigarh	Bhambri, G.C.	354	Faridabad	Arora, N.D.	793	Guwahati	Gogoi, H.P.	810
Chennai	Muthu, Rengasamy Pitchai	1139	Faridabad	Bhat, M.L.	256	Guwahati	Majumdar, Dr. Kiran	900
Chennai	Natrajan, T.K.	688	Faridabad	Chauhan R.P.S	238	Guwahati	Sharma, Somnath	1198
Chennai	Rajagopalan, G.	124	Faridabad	Gopalakrishnan, N	1244	Hardoi	Gupta, B.N.	549
Chennai	Ramachandran, B.	127	Faridabad	Hegde, U.V.	343	Hyderabad	Harendranath, L.	915
Chennai	Seshagiri, D.N.	281	Faridabad	Khorana, R.K.	535	Hyderabad	Bolisetti, Satyanarayana	917
Chennai	Srinivasan, P.B.	163	Faridabad	Kumar, Hemant	1228	Hyderabad	Chakradhar, Mariserla	916

City	Name	LM	City	Name	LM	City	Name	LM
Hyderabad	Chalapathi Rao, R.V.	644	Kolkata	Gangopadhyay, Dr.		Lucknow	Sanwal, Rajendra	1118
Hyderabad	Deekshatulu, B.L.	1028	Suvinyo		57	Lucknow	Sharma, Kumud	325
Hyderabad	Jagannath, Jetty	943	Kolkata	Ghosh, D.K.	933	Lucknow	Sharma, R.P.	1169
Hyderabad	Josyula, P.	1079	Kolkata	Guha, Kallol	801	Lucknow	Sharma, Rajendra	1165
Hyderabad	Manikanda, Mahesh Babu	913	Kolkata	Gupta, Sudhindra	224	Lucknow	Sharma, V.K.	758
Hyderabad	Prasad, Kasturi R.K.	929	Kolkata	Kumar, Asim	13	Lucknow	Singh, B.K.	1173
Hyderabad	Puri, S.N.	683	Kolkata	Mishra, Prasant	1179	Lucknow	Singh, Jaya	1075
Hyderabad	Raju, K.C.C.	125	Kolkata	Mukhopadhyay, S.C.	1016	Lucknow	Singh, R.K.	1135
Hyderabad	Raju, M.	664	Kolkata	Mukhopadhyay, U.S.	104	Lucknow	Singh, Ram Jivan	1282
Hyderabad	Rama Rao, V.	292	Kolkata	Paul, Chinnoy	296	Lucknow	Sinha, Dr. A.K.	311
Hyderabad	Ranganathswamy, A.P.	129	Kolkata	Raju, K.B.	814	Lucknow	Srivastava MS	239
Hyderabad	Rao, J.S.R. Mohan	214	Kolkata	Roy, Sivaji Basu	947	Lucknow	Srivastava S.S.	1133
Hyderabad	Tilak, N.B.G.	899	Kolkata	Roychodhary, J.	588	Lucknow	Srivastava Sharad	1093
Hyderabad	Yelsetty, Srinivasulu	1128	Kolkata	Sen Gupta, Pradeep	1011	Lucknow	Srivastava V.B.	169
Imphal	Singh, L. Angau	808	Kolkata	Sensharma, S.B.	140	Lucknow	Srivastava, Dinkar	669
Indore	Das, Sandip Kumar	1272	Kolkata	Sinha Roy, P.T.	154	Lucknow	Srivastava, Dr. Mridul	1277
Indore	Soni, C.K.	1130	Kolkata	Sinha Roy, R.N.	155	Lucknow	Srivastava, S.C.	675
Indore	Pathak, S.K.	1129	Koteshwar	Bharat, H.L.	1161	Lucknow	Tiwari, M.	294
Jabalpur	Sahu, C.P.	927	Kothagudem	Sharma, Dr.D.N.	1092	Lucknow	Agarwal P.P.	577
Jabalpur	Suhane, H.S.	790	Kothagudem	Vasantha Rao, Dr B.V.T.	1259	Lucknow	Agarwal V.K.	302
Jaipur	Agarwal, K.K.	307	Kullu	Kumar, Santosh	1234	Lucknow	Agarwal, N.K.	660
Jaipur	Ametha, Dr. S.S.	323	Lucknow	Attre, J.K.	1065	Lucknow	Anand, S.K.	240
Jaipur	Chatterjee, Amresh	1043	Lucknow	Avasthy, R.K.	324	Lucknow	Arora, Brij Mohan	504
Jaipur	Haq, Inamul	882	Lucknow	Awasthi, A.K.	1215	Lucknow	Ashraf, Zamir	5
Jaipur	Kasliwal, V.K.	79	Lucknow	Bhattacharjee, N.R.	1212	Lucknow	Chaturvedi S.N.	32
Jaipur	Nag, R.B.	254	Lucknow	Bisaria B.K.	1063	Lucknow	Dalela I.K.	610
Jaipur	Sanganeria, J.S.	138	Lucknow	Bishwapriya, Akhouri	1279	Lucknow	Dayal H.M.	242
Jaipur	Singh, Alam	226	Lucknow	Chandra, Prakash	1091	Lucknow	Dixit R.S.	52
Jalgaon	Patil, S.N.	1122	Lucknow	Deva Yogendra	201	Lucknow	Dixit Rama Shankar	1067
Jammu	Malbarna, B.D.	194	Lucknow	Giri, S.C.	509	Lucknow	Ghosh Dr. D.K.	58
Jammu Tawi	Bhatnagar, Shashank	609	Lucknow	Gupta H.	702	Lucknow	Hukku, B.M.	71
Jammu Tawi	Didwal, Dr.R.S.	225	Lucknow	Gupta, S.K.	64	Lucknow	Jaitley G.N.	730
Jodhpur	Choudhary, R.N.	356	Lucknow	Jaiswal, Pankaj	1216	Lucknow	Jalote P.M.	72
Jodhpur	Srivastava, K.L.	737	Lucknow	John, Biju	1224	Lucknow	Jalote S.P.	73
Kanpur	Srivastava, V.P.	763	Lucknow	Joshi, Devidatt	1217	Lucknow	Mandwal N.K.	300
Kathmandu	Pradhan, Sushil P.	1087	Lucknow	Joshi, Y.C.	1146	Lucknow	Narain Shyam	1168
Khandwa	Asopa, Ravi	1249	Lucknow	Kandpal, G.C.	1014	Lucknow	Pant G.	113
Khandwa	Rajput, Yogendra Kumar	1247	Lucknow	Kapoor, A.K.	663	Lucknow	Rastogi, S.P.	1171
Khandwa	Verma, Vinod Kumar	1251	Lucknow	Kar, S.K.	1104	Lucknow	Roy S.C.	1195
Kinnaur	Kumar, Bhuvnesh	1121	Lucknow	Khan A.U.	1167	Lucknow	Shanker, Ravi	1138
Kishwar	Gupta, Subhash Chander	1218	Lucknow	Kumar Alok	1174	Lucknow	Shome S.K.	148
Kishwar	Saxena, Rajeev	1233	Lucknow	Kumar Sushil	492	Lucknow	Siddiqi M.A.	1147
Kolakata	Chatterjee, P.K.	31	Lucknow	Kumar, Ambrish	1284	Lucknow	Singh R.P.	158
Kolkata	Aich, B.N.	3	Lucknow	Kumar, Ashok	831	Lucknow	Singh V.P.	159
Kolkata	Bagchi, A.	722	Lucknow	Kumar, Pankaj	1238	Lucknow	Sinha, Purnendu	551
Kolkata	Banerjee, K.	10	Lucknow	Kumar, S.V.	537	Lucknow	Sondhi S.N.	161
Kolkata	Basak, Badri Narayan	1012	Lucknow	Manhas G.S.	584	Lucknow	Srivastava Arun Kumar	165
Kolkata	Basu, A.R.	12	Lucknow	Mawar P.	1201	Lucknow	Srivastava Ashwini K	616
Kolkata	Basu, Sanat Kumar	14	Lucknow	Mehrotra A.	205	Lucknow	Srivastava J.P.	166
Kolkata	Bhattacharya, A.K.	314	Lucknow	Misra Rajnish	1230	Lucknow	Srivastava K.K.	196
Kolkata	Bhattacharya, D. Nath	946	Lucknow	Nagar Mukesh	1059	Lucknow	Srivastava S.K.	496
Kolkata	Chakraborty, R.B.	25	Lucknow	Pande, Prabhas	112	Lucknow	Tahilyani D.R.A.	755
Kolkata	Chatterjee, Dr. Barin	27	Lucknow	Rai Vikram	1166	Lucknow	Tripathi Kripa Shanker M.	1141
Kolkata	Chatterjee, Kamlesh	934	Lucknow	Ramanand	1172	Lucknow	Vaish Mathura Prasad	1055
Kolkata	Chatterjee, Tustibrata	778	Lucknow	Rawat, Bhanu Prakash	1278	Lucknow	Varma R.S.	198
Kolkata	Choudhary, A.K.	39	Lucknow	Sanwal, R.K.	544	Lucknow	Verma S.K.	1054

City	Name	LM	City	Name	LM	City	Name	LM
Lucknow	Shukla S.D.	264	New Delhi	Punj, S.K.	328	Roorkee	Swarup, Anil	1239
Mandi District	Prabhakaran, B.	1267	New Delhi	Ramamurthy, T.	605	S.A.S.Nagar (Mo)	Singh, Gurcharan	1145
Meerut	Singhal, M.M.L.	1086	New Delhi	Sharda, Dr.Y.P.	144	Sabarkantha	Patel, Jayantibhai K.	1100
Meerut	Tyagi, Vinod Kumar	903	New Delhi	Sharma, H.K.	1019	Sagar	Rawat, Rajendra Kumar	1227
Mumbai	Hemmady, A.K.R.	304	New Delhi	Singh, V.	724	Sainj	Jain, Ashwini	1231
Mumbai	Ketkar, D.J.	220	New Delhi	Toley, S.R.	885	Sainj	Khanna, Rahul	1296
Mumbai	Nagrajan, R.	612	New Delhi	Kadkade, D.G.	745	Sainj	Pandey, Vachaspati	1226
Mumbai	Natu, S.V.	109	Noida	Bhandari, R.C.	1220	Shillong	Tripathi, S.K.	1084
Mumbai	Shah, S.D.	143	Noida	Choubey, V.D.	38	Shillong	Yadav, V.S.	1163
Mumbai	Vyavaharkar, D.A.	188	Noida	Gupta, M.L.	1214	Siddharkut	Narasimham, V.V.P.	1261
Muzaffar Nagar	Gupta, D.B.	350	Noida	Tikku, A.K.	175	Siddharkut	Yadav, Nirmal Kumar	1258
Muzaffarpur	Sharma, R.P.S.	779	Noida	Yachu, J.K.	1287	Simla	Awasthi, A.K.	870
Mysore	Chandra, M.S.	540	Lakhimpur	Annadurai, G.T.	1268	Simla	Chadha, A.K.	816
Nagpur	Chepe, A.B.	206	Lakhimpur	Chakraborty, Arindom	1269	Sindri	Samsuddin, Dr. A.K.	771
Nagpur	Dhurundhar, Ashokaditya 1018		P.O. Bhatlo	Singh, Prabhat	1193	Srinagar (Gar)	Naithani, Dr. Ajay Kumar	1276
Nagpur	Bid, Nripendra Chandra	1142	P.O. Jhakri	Acharya, Akshay	1286	Sunder Nagar	Kumar, Naresh	1105
Nagpur	Chellani, S.K.	1196	P.O. Larji	Singh, Virendra Kumar	1252	Tehri	Unial, K.C.	1110
Nagpur	Chhibber, I.B.	33	P.O. Micbela	Tewary, Kulbhushan	1164	Tehri	Gusain, M.S.	1223
Nagpur	Pradhan, S.R.	118	Panchmahal	Raval, C.J.	1102	Tehri	Lath, J.P.	1153
Nainital	Joshi, V.K.	308	Patna	Hayat, Abdul	740	Thane (West)	Subramanyan, Dr. V.	910
Nainital	Sharma, Arun Kumar	1235	Patna	Lal, Kuver Nath	828	Trivendram	Thomas, K.C.	174
Narmada Nagar	Chauhan, Laxman Singh	1187	Patna	Madhavan, M.N.	88	Tumkur	Nanjundappa, G.	775
Narmada Nagar	Dhanani, Prafull Chandra	1192	Patna	Prasad, Bharat	832	Vadodara	Bansode, U.V.	371
Narmada Nagar	Raghuvanshi, M.L.	1181	Patna	Prasad, S.N.	384	Vadodara	Bhatt, R.M.	370
Narmada Nagar	Sharma, Deepesh	1190	Patna	Singh, Priyadarshan	1300	Vadodara	Detir, U.D.	1017
Narmada Nagar	Soni, Gyan Prakash	1188	Patna	Srivastava, L.P.	767	Vadodara	Joshi, A.N.	372
Nasik	Diwanji, S.N.	607	Pune	Bhatia, S.K.	278	Vadodara	Joshi, H.M.	417
New Delhi	Bajpai O.N.	499	Pune	Guha, S.K.	529	Vadodara	Krishnani, R.P.	373
New Delhi	Dhawan, Gopal	340	Pune	Gupte, R.B.	65	Vadodara	Lattoo, P.S.	366
New Delhi	Divatia, Miss. E.	306	Pune	Malpathak, Ganesh	627	Vadodara	Mahendra Kumar, C. 379	
New Delhi	Dwivedi, Jitendra Kumar	1176	Pune	Rao, G.S.M.	291	Vadodara	Doshi	
New Delhi	Kaistha, G.K.	230	Pune	Rawat, U.S.	785	Vadodara	Pancholi, D.I.	392
New Delhi	Mathur, S.K.	96	Pune	Sahasrabuddhe, Dr. Y.S.	136	Vadodara	Pancholi, D.N.	338
New Delhi	Sharma, Brijendra K.	590	Pune	Sarkar, Shekhar	902	Vadodara	Parikh, M.M.	368
New Delhi	Sharma, Dr. V.M.	146	Pune	Thatte, C.D.	1022	Vadodara	Patel, A.C.	420
New Delhi	Agarwal, C.K.	503	Rajkot	Mehta, M.V.	926	Vadodara	Patel, Dr. P.P.	321
New Delhi	Anand, D.B.	191	Rishikesh	Bansal, L.K.	811	Vadodara	Patel, M.M.	1038
New Delhi	Badal, Dr Rajiv	1229	Rishikesh	Giri, Rajeshwar	1162	Vadodara	Patel, Nalin M.	412
New Delhi	Badree Narayana, V.V.	884	Rishikesh	Jain, Atul K.	1160	Vadodara	Patel, S.I.	407
New Delhi	Bery, M.N.	16	Rishikesh	Khare, Rakesh	1149	Vadodara	Patel, V.B.	362
New Delhi	Chitra, R.	1280	Rishikesh	Narang, J.L.	1150	Vadodara	Patel, P.M.	374
New Delhi	Dhawan, A.K.	569	Rishikesh	Prasad, G.M.	1143	Vadodara	Rana, V.H.	961
New Delhi	Gopalkrishnan, M.	1015	Rishikesh	Rana, Chandra Singh	1120	Vadodara	Rathore, Gopal Chandmal	1044
New Delhi	Gupta, Manish	1281	Rishikesh	Singh, Shailendra	1144	Vadodara	Sangamnerkar, C.D.R.	453
New Delhi	Harkauli, A.N.	68	Rishikesh	Verma, A.S.	1152	Vadodara	Shah, C.S.	298
New Delhi	Jain, Arun	799	Rishikesh	Vishnoi, R.K.	1151	Vadodara	Soni, P.H.	345
New Delhi	Kumar, S.	1127	Roorkee	Agarwal, P.N.	575	Vadodara	Soni, R.D.	1069
New Delhi	Kumar, Vinai	234	Roorkee	Anabalan, R.	215	Vadodara	Vaidya, Piyush H.	381
New Delhi	Mehta, O.P.	1140	Roorkee	Dube, A.K.	889	Valsad (Gujrat)	Bulsara, D.H.	369
New Delhi	Monde, O.D.	518	Roorkee	Dubey, O.P.	1068	Varanasi	Tewary, G.P.	177
New Delhi	Mukherjee, Dipak	330	Roorkee	Goel, R.K.	851	Varanasi	Ulkhaje, Dr. A.V.	593
New Delhi	Murthy, Y.K.	585	Roorkee	Lavana, Dr. B.V.K.	565	Vellore	Ganapathy, Dr G.P.	1297
New Delhi	Pahuja, S.L.	894	Roorkee	Mukherjee, Shyamal	853	Veraval	Lad, D.M.	951
New Delhi	Pujji, J.S.	510	Roorkee	Prasad, Rajeev	1295			

INDIAN SOCIETY OF ENGINEERING GEOLOGY
8A, Geological Survey of India
Sector-E, Aliganj, Lucknow

INCOME & EXPENDITURE ACCOUNT

(For the period ended on 31st March 2007)

INCOME	Amount (Rs.)
Advertisement Fees	1,35,000.00
Membership Fees	23,350.00
Sponsorship Fees	98,317.00
Symposium Registration Fees	3,000.00
Membership Fees of IAEG	21,408.00
Interest Receipts (from SB A/c)	4,546.19
Interest accrued on TDRs	1,55,000.46
TOTAL	4,40,621.65
EXPENSES	Amount (Rs.)
Accounting Charges	7,518.00
Bank Charges	1,340.00
Meeting expenses	1,135.00
Misc. Office Expenses	6,199.00
Symposium expenses	97,229.00
IAEG Expenses	25,143.00
Advertisement Expenses	3,500.00
Printing & Publication	70,040.00
Audit Fees	5,051.00
Website Development Charges	10,000.00
Postage, Courier & Internet Expenses	3,441.00
Depreciation	221.00
TOTAL	2,30,817.00
Excess of Income over Expenditure	2,09,804.65

Sd/-

For **RAKESH K SRIVASTAVA & Co.**
Chartered Accountants

Sd/-

(Anil Mehrotra)
Treasurer
Place : Lucknow
Date : 30.10.2007

Sd/-

(Yogendra Deva)
Secretary

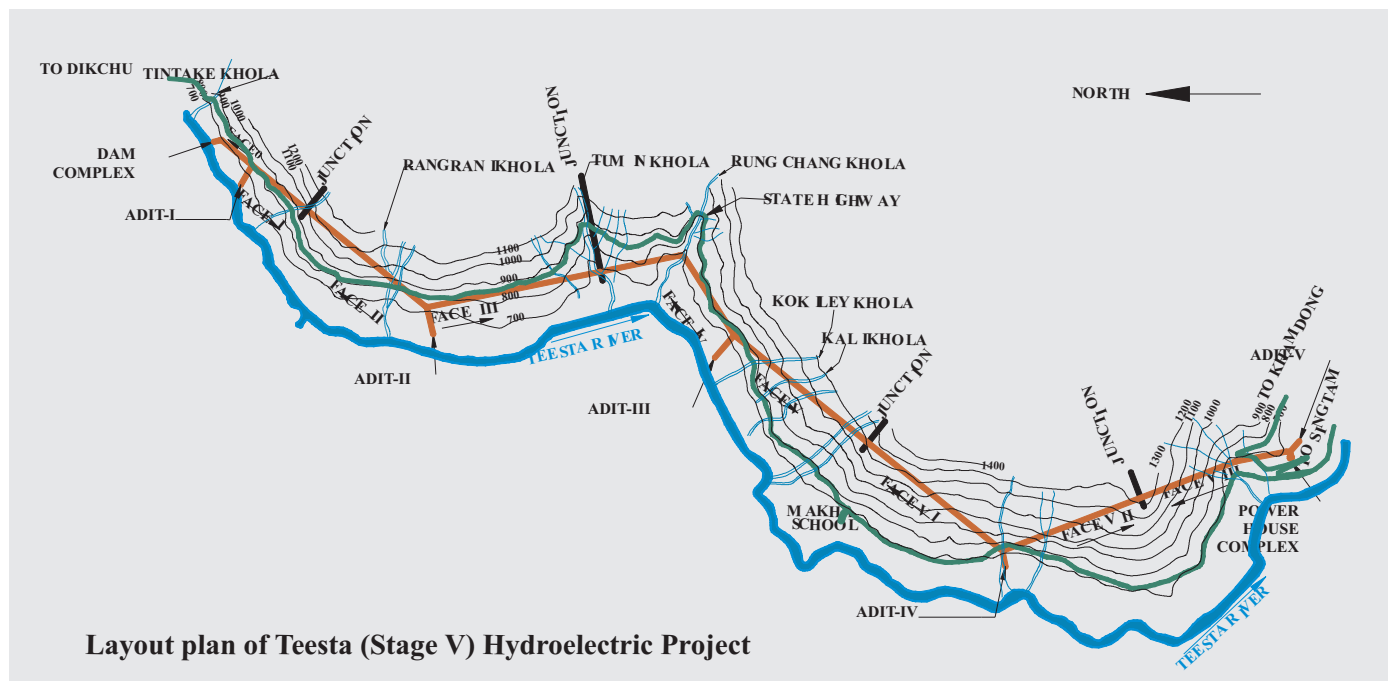
Sd/-

(R.K. Srivastava)
Proprietor

COMMISSIONING OF 510MW TEESTA-V HYDROELECTRIC PROJECT, SIKKIM

Teesta-V Hydroelectric project, a run-off-the-river scheme, on Teesta river in East Sikkim has been commissioned within effective construction period of about six years. The project comprise 92m high concrete gravity dam, three power intakes with underground desilting chambers, 17.68 km long, 9.5m finished diameter Head Race Tunnel (HRT), 30m diameter Surge Shaft, three vertical pressure shafts, underground machine hall, transformer gallery, etc. The project is geologically located in low grade metamorphics of Daling Group of rocks in Lesser Himalayas. Tectonically, the project is located between Main Boundary Thrust and Main Central Thrust. Laying out of project components in this complex geo-environment was a great challenge.

High rock cover areas along the tunnel route were avoided because of anticipated stress behaviour of rock mass. The 17.6 km tunnel as such was excavated through five adits. Optimum lateral and vertical rock cover along with availability of construction material were worked out in finalizing location of adits with respect to the main tunnel. Jet grouting technique was used for the first time in India at the cofferdam to control the water seepage in the dam pit very effectively. A thick shear zone, encountered in the foundation and was suitably treated. Construction of 30 m diameter surge shaft in phyllite was a big challenge. Heavy collapse during final stage of surge shaft excavation occurred. The project, which started in early 2000, has been commissioned in Feb-2008 by National Hydroelectric Power Corporation Ltd.



N.K. Mathur

(For detail article visit www.isegindia.org)

Chief (Geology), NHPC Ltd., Sikkim

INCLINED PRESSURE SHAFTS BY TBM IN HIMALAYAN ROCKS

Parbati Hydroelectric Project, Stage-II (800MW) is under construction since September 2002 and has set a world record in tunnel boring in the Inclined Pressure Shaft. The project envisages construction of 85m high concrete gravity dam, 31.37km long HRT, 116m deep surge shaft, two circular steel lined 3.5m diameter and 2050m long pressure shafts consisting of horizontal and inclined portions and surface power house having 4-units of pelton turbine operating under gross head of 862m. The project lies in Lesser Himalayas within Kullu & Rampur Group of rocks. The pressure shafts are housed in Banjar Volcanic Formation or Green Bed Member of Rampur Group, which comprises thick sequence of meta basics intervened by closely foliated chlorite schist/phyllite. Geotechnical studies for pressure shafts comprise detailed geological mapping, drill holes in middle portion and three drifts at top and bottom levels.

An inclined double shield TBM which was designed by BORETEC (New Robbins), Mitsubishi Heavy Industries (Japan) and NFM (France) was deployed for boring of pressure shafts from bottom to top. The high degree of success of TBM excavation is due to medium strength, relative homogeneity of tunneling media besides quick supporting technique.

Imran Sayeed

(For detail article visit www.isegindia.org)

Chief (Geology), NHPC Ltd., Faridabad

ISEG Seminar on Challenges in Engineering Geology Hyderabad, 03-05 December 2008

The Seminar is being organized jointly by Geological Survey of India, Southern Region, Hyderabad and the Indian Society of Engineering Geology. The Proceedings will be conducted in the auditorium of the prestigious 'Taramati Baradari' of the A.P. Tourism Development Corporation. The venue is about 15 km from the city and lies in the vicinity of historical Golconda Fort.

The focus of the seminar would be on following themes.

1. Engineering Geological Mapping, 2. River Valley Storage and Diversion Structures, 3. Underground and deep excavations
4. Construction Material, 5. Communication Projects,
6. Geohazards, 7. Exploration, instrumentation and Lab Techniques, 8. Post construction issues, 9. Allied issues.

The technical sessions during the seminar would be followed by an excursion tour to Srisailem Project. The delegates would have an opportunity to see operation of Robbin's double shield TBM in granitic terrain at the project site. The project, located about 130km from the venue of the seminar traverses through Banded Gneissic Complex (BGC) with spectacular dolerite dykes. Some interesting geomorphic features such as Pedestal rocks, Granite tors, unique weathering profile etc. are found along the excursion tour.

In an overwhelming response to call for abstracts of papers, over 70 abstracts have been received so far. In response to the request from the prospective authors, the last date for submission of the abstract has been extended to 30th June 2008. the last date for the submission of full papers remains 30th Aug 2008.

The second and final circular providing all relevant information is scheduled to be released by 15 June 2008.

Key Dates:	30 June 2008	Last date for Receipt of Abstracts
	31 Aug 2008	Receipt of Full Papers
	03-04 Dec 2008	Seminar Deliberations and Technical Sessions
	05 Dec 2008	Excursion to TBM Bored Tunnel, Srisailem

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● Individual Membership		For age 35-50 years	: Rs 1250/=
(I) Ordinary Membership (Annual)	: Rs 300/=	For age > 50 years	: Rs 1000/=

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- The advertisements would be posted as abridged version, i.e. Logo and Tagline, if any.
- The advertisements would be appropriately hyperlinked to the advertiser's webpage/website.

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● Members with bulletin (Receive Newsletter also)	: 29 Euros	● Associate Members (Receive Bulletin + Newsletter)	: 150 Euros
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