

**ANNEX 1**  
(Item 2.1 and 2.2)

**Composition of Working Groups of CED 43**

**Composition of Working Group for Revision of IS 4091 “Design and construction of foundations for transmission line towers and poles — Code of practice”, CED 43/WG1**

SI No.	NAME OF THE ORGANISATION	REPRESENTED BY
1.	Central Water Commission, New Delhi	Shri Ajay S. Banode ( <i>CONVENER</i> )
2.	Bharat Heavy Electricals Ltd, Noida	Shri T. M. S. Rao
3.	Cauvery Water Management Authority, New Delhi	Shri Neeraj Deshwal
4.	Central Electricity Authority, New Delhi	Shri Baleshwar Thakur Shri Deepak Singh Raghuvansi ( <i>Alternate</i> )
5.	CEM Engineers and Consultants Pvt Ltd, Bhubaneswar	Shri Ashok Basa
6.	Central Soil and Material Research Station, New Delhi	Dr Manish Gupta
7.	Creative Design Consultants & Engineers Pvt Ltd, Ghaziabad	Shri Aman Deep
8.	Geodynamics Ltd, Vadodara	Dr Jaykumar Shukla
9.	Kalpataru Power Transmission Limited, Gandhinagar	Shri Milind Nene Shri Nitin Patel ( <i>Alternate</i> )
10.	Kerala State Electricity Board, Thiruvananthapuram	Nomination Awaited
11.	Larsen & Toubro Ltd, Chennai	Shri Suresh Reddy
12.	National Capital Region Transport Corporation, New Delhi	Shri Jitendra Kumar Shri Satish Kumar Yadav ( <i>Alternate</i> )
13.	National Council of Cement and Building Materials, Ballabgarh	Shri Amit Trivedi Shri Brijesh Singh ( <i>Alternate</i> )
14.	NTPC Limited, Noida	Shri Swatantra Dubey
15.	Nuclear Power Corporation of India Limited, Mumbai	Shri G. Prabhakar
16.	Power Grid Corporation of India Ltd, Gurugram	Shri Nitesh Kumar Sinha
17.	Sterlite Power, Mumbai	Shri Gopal Ji
18.	Torrent Power Ltd, Ahmedabad	Shri Bipin Shah

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**Composition of Working Group for Revision of IS 11233 “Design and construction of radar and satellite tracking antennas microwave mobile and television tower foundations – Code of Practice”, CED 43/WG 2**

<b>SI No.</b>	<b>NAME OF THE ORGANISATION</b>	<b>REPRESENTED BY</b>
1.	Nuclear Power Corporation of India Limited, Mumbai	Shri G. Prabhakar ( <i>CONVENER</i> )
2.	Beckett Rankine India Pvt Ltd, Mumbai	Shri Dileep Bhagwat
3.	Bharat Heavy Electricals Ltd, Noida	Shri T.M.S. Rao
4.	CSIR- Structural Engineering Research Centre, Chennai	Smt R. Sreekala
5.	Electronics Corporation of India Ltd, Hyderabad	Smt Venkata Lakshmi G
6.	Indian Institute of Technology Madras, Chennai	Dr Subhadeep Banerjee
7.	Indian Space Research Organization, Sriharikota	Shri Kumar KNVSN Shri V. Narendra Kumar ( <i>Alternate</i> )
8.	SRM University, Chennai	Dr Madhavi T. Ch

**Composition of Working Group for Revision of IS 2911 “Design and construction of pile foundations — Code of practice” (Part 1/Sec 1 to 4), IS 2911 (Part 2), IS 2911 (Part 4) and IS 14593 “Design and construction of bored cast-in-situ piles founded on rocks — Guidelines”, CED 43/WG 3**

<b>SI No.</b>	<b>NAME OF THE ORGANISATION</b>	<b>REPRESENTED BY</b>
1.	In Personal Capacity, Chennai	Dr V. Balakumar ( <i>CONVENER</i> )
2.	Geodynamics Pvt Ltd, Vadodara	Dr Jaykumar Shukla ( <i>CO-CONVENER</i> )
3.	Bharat Heavy Electricals Ltd, Noida	Shri T.M.S. Rao
4.	CEM Engineers and Consultants Pvt Ltd, Bhubaneshwar	Shri Ashok Basa
5.	Cengrs Geotechnical Pvt Ltd, Noida	Shri Sanjay Gupta
6.	Central Public Works Department, New Delhi	Shri Saurobh Kumar
7.	CSIR - Central Road Research Institute, New Delhi	Dr Kanwar Singh

8.	Geodynamics Pvt Ltd, Vadodara	Dr Ravikiran Vaidya
9.	Indian Geotechnical Society, New Delhi	Dr Anil Joseph
10.	Indian Institute of Technology Bombay, Mumbai	Prof Deepankar Choudhary
11.	Indian Institute of Technology Madras, Chennai	Prof Subhadeep Banerjee
12.	National Capital Region Transport Corporation, New Delhi	Shri Jitendra Kumar Shri Satish Kumar Yadav ( <i>Alternate</i> )
13.	National High Speed Rail Corporation Limited, Mumbai	Dr R. P. Singh
14.	Nuclear Power Corporation of India Limited, Mumbai	Shri G. Prabhakar
15.	Power Grid Corporation of India Ltd, Gurugram	Shri Nitesh Kumar Sinha Shri Pradeep P ( <i>Alternate</i> )
16.	Sarathy Geotech & Engineering Services Pvt Ltd, Bengaluru	Dr C.R. Parthasarthy
17.	Tata Consulting Engineers Pvt Ltd, Mumbai	Shri Sanjeev Gupta

**Composition of Working Group for Revision of IS 2131 “Standard Penetration Test of Soil — Method of Test” and IS 9640 “Split spoon sampler for standard penetration test of soil — Specification”, CED 43/WG 4**

SI No.	NAME OF THE ORGANISATION	REPRESENTED BY
1.	In Personal Capacity, Chennai	Dr V. Balakumar ( <i>CONVENER</i> )
2.	Bharat Heavy Electricals Limited, New Delhi	Shri T. M. S. Rao
4.	Cengrs Geotechnica Pvt Ltd, Noida	Shri Sanjay Gupta
3.	Geodynamics Pvt Ltd, Vadodara	Dr Ravikiran Vaidya Dr Jaykumar Shukla
5.	Geotechnical Solutions, Chennai	Shri Anirudhan I.V.
6.	Indian Institute of Science Bangalore, Bengaluru	Prof P. Anbazhagan
7.	Indian Institute of Technology Jammu, Jammu	Dr Chandan Ghosh
8.	Tata Consulting Engineers Limited, Mumbai	Shri Sanjeev Gupta

**Composition of Working Group for Revision of IS 2720 Soils — Methods of test (Parts 1 to 41),  
CED 43/WG 5**

<b>Sl No.</b>	<b>NAME OF THE ORGANISATION</b>	<b>REPRESENTED BY</b>
1.	Central Soil and Material Research Station, New Delhi	Dr Manish Gupta ( <i>CONVENER</i> )
2.	Unique Geocivil Services Pvt Ltd, Surat	Shri Hitesh Desai ( <i>CO-CONVENER</i> )
3.	Central Soil and Material Research Station, New Delhi	Dr N. P. Honkandavar
4.	CSIR- Central Building Research Institute, New Delhi	Shri Manojit Samanta
5.	CSIR-Central Road Research Institute, New Delhi	Dr Kanwar Singh
6.	Indian Institute of Technology Roorkee, Roorkee	Dr Vishwas A. Sawant
7.	Telangana Engineering Research Laboratories, Hyderabad	Shri A. G. Manoj Kumar
8.		

**Composition of Working Group for Review of IS 1892 “Subsurface investigation for foundations — Code of practice”, CED 43/WG 6**

<b>Sl No.</b>	<b>NAME OF THE ORGANISATION</b>	<b>REPRESENTED BY</b>
1.	Nagadi Consultants Pvt Limited, New Delhi	Dr N. Santosh Rao ( <i>CONVENER</i> )
2.	Bharat Heavy Electricals Ltd, Noida	Shri T. M. S. Rao
3.	Cengrs Geotechnica Pvt Ltd, Noida	Shri Sanjay Gupta
4.	Central Public Works Department, New Delhi	Shri Saurobh Kumar Gupta
5.	Central Soil and Materials Research Station, New Delhi	Dr Manish Gupta
6.	Indian Institute of Technology Bombay, Mumbai	Prof Deepankar Choudhury
7.	National Capital Region Transport Corporation, New Delhi	Shri Jitendra Kumar
8.	NTPC Limited, Noida	Shri Mohit Jhalani
9.	Unique Geocivil Services Pvt Ltd, Surat	Shri Hitesh Desai

**Composition of Working Group for Revision of IS 6403 “Code of practice for determination of bearing capacity of shallow foundations”, CED 43/WG 7**

SI No.	NAME OF THE ORGANISATION	REPRESENTED BY
1.	Geodynamics Ltd, Vadodara	Dr Jaykumar Shukla ( <i>CONVENER</i> )
2.	Unique Geocivil Services Pvt Ltd, Surat	Shri Hitesh Desai
3.	Indian Institute of Technology Bombay, Mumbai	Prof Deepankar Choudhury
4.	National Institute of Technology Tiruchirappalli	Prof K. Muthukkumaran
5.	Geotechnical Solutions, Chennai	Shri Anirudhan I. V.
6.	NTPC Limited, Noida	Shri Mohit Jhalani
7.	In Personal Capacity, Chennai	Dr V. Balakumar

**Composition of Working Group for Revision of IS 2974 “Design and construction of machine foundations — Code of practice” (Parts 1 to 5), CED 43/WG 8**

SI No.	NAME OF THE ORGANISATION	REPRESENTED BY
1.	D-CAD Technologies, New Delhi	Dr K. G. Bhatia ( <i>CONVENER</i> )
2.	Bharat Forge Limited, Pune	<b>Nomination Awaited</b>
3.	Bharat Heavy Electricals Limited, Noida	Shri T. M. S. Rao
4.	CSIR- Central Building Research Institute, Roorkee	Dr Anindya Pain
5.	CSIR- Structural Engineering Research Centre, Chennai	Dr Saptarshi Sasmal Smt R. Sreekala ( <i>Alternate</i> )
6.	Cengrs Geotechnica Pvt Ltd, Noida	Shri Sanjay Gupta Shri Ravi Sundaram ( <i>Alternate</i> )
7.	Central Electricity Authority, New Delhi	Shri Baleshwar Thakur Shri P. S. Mohan Kumar ( <i>Alternate</i> )
8.	D-CAD Technologies, New Delhi	Shri P. Shakivel Shri Nakul Joshi ( <i>Alternate</i> )
9.	Engineering Projects Consultants, New Delhi	Shri R. Gogia
10.	Engineers India Limited, New Delhi	Dr G. G. Srinivas Achary Dr N. Dhanesh ( <i>Alternate</i> )
11.	F.L. Smidth Pvt Ltd, Chennai	Shri Rajesh Kumar Shri Pranesh A. R. ( <i>Alternate</i> )
12.	Ground Engineering Limited, New Delhi	Shri Ashok Kumar Jain
13.	Indian Institute of Technology Bombay, Mumbai	Prof Deepankar Choudhury

14.	Indian Institute of Technology Delhi, New Delhi	Dr J. T. Shahu Dr R. Ayothiraman ( <i>Alternate</i> )
15.	Indian Geotechnical Society, New Delhi	Dr Bappaditya Manna Dr Altaf Usmani ( <i>Alternate</i> )
16.	L&T - Sargent & Lundy Limited, Vadodara	Shri Randip Ghosh Shri Abhijit Dutta ( <i>Alternate</i> )
17.	Linde Engineering Pvt Ltd, Vadodara	Shri Chandresh Pandya
18.	Macawber Beekay Pvt Ltd, Noida	Shri Ravindra Sharma
19.	MECON Ltd, Ranchi	Shri Sukanta Adhikari
20.	Nagadi Consultants Pvt Ltd, New Delhi	Dr N. Santosh Rao
21.	NTPC Limited, Noida	Shri S. Khadanga Shri Mani Bhushan Kumar ( <i>Alternate</i> )
22.	Siemens India Ltd, Gurgaon	Shri Vijay Chaturvedi
23.	Tata Consulting Engineers Ltd, Bangalore	Shri B. N. Nagaraj Shri C. R. Arjun ( <i>Alternate</i> )
24.	In Personal Capacity, Gurgaon	Shri A. C. Goyal
25.	In Personal Capacity, New Delhi	Dr A. K. Singh

**Composition of Working Group for Formulation of Standard for Cross-hole sonic logging of piles, CED 43/WG 9**

SI No.	NAME OF THE ORGANISATION	REPRESENTED BY
1.	Geodynamics Ltd, Vadodara	Dr Ravikiran Vaidya ( <b>CONVENER</b> )
2.	Tata Consulting Engineers, Limited	Shri Sanjeev Gupta ( <b>CO-CONVENER</b> )
3.	Nuclear Power Corporation of India Limited, Mumbai	Shri Akhlesh Kumar Laharia
4.	National Capital Region Transport Corporation, New Delhi	Shri Jitendra Kumar
5.	Indian Institute of Technology Bombay, Mumbai	Dr Dasaka Murty
6.	National High Speed Rail Corporation Limited, Mumbai	Dr R. P. Singh
7.	Sarathy Geotech & Engineering Services Pvt Ltd, Bengaluru	Dr C.R. Parthasarthy
8.	Indian Institute of Technology Roorkee, Roorkee	Dr B. K. Maheshwari

**Composition of Working Group for Preparation of Draft for Method for High Strain Dynamic Testing of Piles, CED 43/WG 10**

SI No.	NAME OF THE ORGANISATION	REPRESENTED BY
1.	Geodynamics Pvt Ltd, Vadodara	Dr Ravikiran Vaidya ( <i>CONVENER</i> )
2.	AFCONS Infrastructures Limited, Mumbai	Dr Sunil Basarkar
3.	Central Public Works Department, New Delhi	Shri Sourabh Kumar Gupta
4.	In Personal Capacity, Chennai	Dr V. Balakumar
5.	NTPC Limited, New Delhi	Shri R. R. Maurya

**Composition of Working Group for Revision of IS 8009 (Part 1) “Code of practice for calculation of settlements of foundations: Part 1 Shallow foundations subjected to symmetrical static vertical loads”, CED 43/WG 11**

SI No.	NAME OF THE ORGANISATION	REPRESENTED BY
1.	CEM Engineers and Consultants Pvt Ltd, Bhubaneswar	Shri Ashok Basa ( <i>CONVENER</i> )
2.	MECON Limited, Ranchi	Shri Shankar Ray
3.	Geodynamics Ltd, Vadodara	Dr Jaykumar Shukla
4.	Sri Venkateswara University, Tirupati	Prof K. Mallikarjuna Rao Prof Sudha Rani (Alternate)
5.	Indian Institute of Technology (ISM), Dhanbad	Dr Sarat K. Das
6.	In personal capacity, Tripunithura	Dr Jimmy Thomas
7.	Indian Institute of Technology, Kanpur	Prof Priyanka Ghosh

**Composition of Working Group for Revision of IS 8009 (Part 2) “Code of practice for calculation of settlement of foundations: Part 2 Deep foundations subjected to symmetrical static vertical loading”, CED 43/WG 12**

SI No.	NAME OF THE ORGANISATION	REPRESENTED BY
1.	Indian Institute of Technology Bombay, Mumbai	Prof Deepankar Choudhury ( <i>CONVENER</i> )
2.	AFCONS Infrastructure Limited, Mumbai	Nomination Awaited
3.	Cengrs Geotechnica Pvt Ltd, Noida	Shri Sanjay Gupta
4.	Geodynamics Ltd, Vadodara	Dr Jaykumar Shukla

5.	Indian Institute of Technology Madras, Chennai	Prof Subhadeep Banerjee
6.	Indian Institute of Technology Mandi, Kamand	Dr Ashutosh Kumar
7.	MECON Limited, Ranchi	Shri Shankar Ray
8.	Nagadi Consultants Pvt Limited, New Delhi	Dr N. Santosh Rao
9.	National High Speed Rail Corporation Limited, Mumbai	Dr R. P. Singh
10.	Sarathy Geotech & Engineering Services Pvt Ltd, Bengaluru	Dr C.R. Parthasarthy
11.	Unique Geocivil Services Pvt Ltd, Surat	Shri Hitesh Desai
12.	In Personal Capacity, Chennai	Dr V. Balakumar

**Composition of Working Group for Revision of IS 10270 “Guidelines for design and construction of prestressed rock anchors”, CED 43/WG 13**

SI No.	NAME OF THE ORGANISATION	REPRESENTED BY
1.	Indian Institute of Technology Bombay, Mumbai	Prof Dasaka Murty ( <i>CONVENER</i> )
2.	Unique Geocivil Services Pvt Ltd, Surat	Shri Hitesh Desai ( <i>CO- CONVENER</i> )
3.	CSIR-Central Building Research Institute, Roorkee	Dr Anindya Pain
4.	Geodynamics Ltd, Vadodara	Dr Jaykumar Shukla Shri Sujan Kulkarni ( <i>Alternate</i> )
5.	Indian Institute of Science, Bengaluru	Prof G. Madhavi Lata
6.	Indian Institute of Technology Delhi, New Delhi	Prof J. T. Shahu
7.	ITD Cementation India Ltd, Kolkata	Shri Manish Kumar
8.	National Capital Region Transport Corporation, New Delhi	Shri Satish Kumar Yadav
9.	Safe Enterprises, Mumbai	Shri Vikram Rao

NOTE — Based on the suggestion of the Panel, the Committee decided to bifurcate the revision of IS 10270 in two parts, one for ground anchors and one for rock anchors.

**Composition of Working Group for Revision of IS 4968 “Method for subsurface sounding for soils” (Parts 1 to 3) and IS 10589 “Specification for equipment for subsurface sounding of soils”, CED 43/WG 14**

SI	NAME OF THE ORGANISATION	REPRESENTED BY
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No.		
1.	Cengrs Geotechnica Pvt Ltd, Noida	Shri Sanjay Gupta ( <b>CONVENER</b> )
2.	Cengrs Geotechnica Pvt Ltd, Noida	Shri Ravi Sundaram Shri Sorabh Gupta ( <i>Alternate</i> )
3.	Engineers India Limited, New Delhi*	Shri V. K. Panwar
4.	Geodynamics Ltd, Vadodara	Dr Jaykumar Shukla
5.	Indian Institute of Science, Bengaluru*	Dr P. Anbazhagan
6.	Indian Institute of Technology Tirupati, Tirupati*	Dr Janaki Ramaiah
7.	Keller Ground Engineering India Pvt Ltd, Chennai*	Shri P. V. S. R. Prasad
8.	Nuclear Power Corporation of India Ltd, Mumbai	Shri Girish Patil
9.	Sarathy Geotech & Engineering Services Pvt Ltd, Bengaluru	Dr C. R. Parthasarthy
10.	Unique Geocivil Services Pvt Ltd, Surat	Shri Hitesh Desai

\* Co-opted by the Convener of the Panel subsequent to the meeting of the main Committee.

**Composition of Working Group for Revision of IS 12070 “Code of practice for design and construction of shallow foundations on rocks”, CED 43/WG 15**

SI No.	NAME OF THE ORGANISATION	REPRESENTED BY
1.	Indian Institute of Technology Roorkee, Roorkee	Dr Mahendra Singh ( <b>CONVENER</b> )
2.	Bharat Heavy Electricals Limited, Noida	<b>Shri Vivek Varshney (CO-CONVENER)</b>
3.	CEM Engineers and Consultants Pvt Ltd, Bhubaneswar	Shri Ashok Basa
4.	Geodynamics Ltd, Vadodara	Dr Jaykumar Shukla
5.	MECON Limited, Ranchi	Shri Shankar Ray
6.	National Capital Region Transport Corporation, New Delhi	Shri Satish Kumar Yadav

**Composition of Working Group for Revision of IS 15284 “Design and construction for ground improvement — Code of practice” (Parts 1 and 2), CED 43/WG 16**

SI No.	NAME OF THE ORGANISATION	REPRESENTED BY
1.	Indian Institute of Science, Bengaluru	Dr G. L. Shivakumar Babu ( <b>CONVENER</b> )

2.	ITD Cementation India Ltd, Kolkata	Shri Manish Kumar ( <b>CO-CONVENER</b> )
3.	Engineers India Limited, New Delhi	Shri V. K. Panwar
4.	Indian Institute of Technology Bombay, Mumbai	Prof Dasaka Murty
5.	Keller Ground Engineering Pvt Ltd, Chennai	Shri V. V. S. Ramdas
6.	L&T GeoStructure Private Limited, Chennai	Shri M. Kumaran
7.	MECON Ltd, Ranchi	Shri Shankar Ray
8.	National Institute of Technology Karnataka, Surathkal	Prof R Shivashankar

**Composition of Working Group for Formulation of Standard for Combined Pile Raft Foundation, CED 43/WG17**

<b>SI No.</b>	<b>NAME OF THE ORGANISATION</b>	<b>REPRESENTED BY</b>
1.	Indian Institute of Technology Bombay, Mumbai	Prof Deepankar Choudhury ( <b>CONVENER</b> )
2.	Bhabha Atomic Research Centre, Mumbai	Dr V. S. Phanikanth
3.	Bharat Heavy Electricals Limited, New Delhi	Shri T. M. S. Rao
4.	Cengrs Geotechnica Pvt Ltd, Noida	Shri Sanjay Gupta
5.	Geodynamics Ltd, Vadodara	Dr Jaykumar Shukla
6.	Marsh McLennan, Mumbai	Shri Aniruddha Bhaduri
7.	Indian Institute of Technology Delhi, New Delhi	Prof Tanusree Chakraborty
8.	Indian Institute of Technology Madras, Chennai	Prof Subhadeep Banerjee
9.	Indian Institute of Technology Mandi, Kamand	Dr Ashutosh Kumar
10.	Indian Institute of Technology Roorkee, Roorkee	Dr B. K. Maheshwari
11.	National Institute of Technology Agartala, Agartala	Prof Rajib Saha
12.	Nuclear Power Corporation of India Ltd, Mumbai	Shri Girish Patil
13.	In Personal Capacity, Chennai	Dr V. Balakumar

**Composition of Working Group for Formulation of Standard for Geophysical Investigation,  
CED 43/WG 18**

<b>Sl No.</b>	<b>NAME OF THE ORGANISATION</b>	<b>REPRESENTED BY</b>
1.	Central Soil and Material Research Station, New Delhi	Dr Manish Gupta ( <i>CONVENER</i> )
2.	Cengrs Geotechnica Pvt Ltd, Noida	Shri Sanjay Gupta ( <i>CO-CONVENER</i> )
3.	MECON Limited, Ranchi	Shri Shankar Ray
4.	Parsan Overseas Private Limited, New Delhi	Dr Sanjay Rana

**Composition of Working Group for Preparation of Draft for Solar PVs, CED 43/WG 19**

<b>Sl No.</b>	<b>NAME OF THE ORGANISATION</b>	<b>REPRESENTED BY</b>
1.	National Capital Region Transport Corporation, New Delhi	Shri Jitendra Kumar ( <i>CONVENER</i> )
2.	Bharat Heavy Electricals Limited, Noida	Shri T. M. S. Rao
3.	Cengrs Geotechnica Pvt Ltd, Noida	Shri Sorabh Gupta
5.	NTPC Ltd, Noida	Shri Mohit Jhalani
4.	Tata Power Solar Systems Limited, Mumbai	Shri Dhaval Pandya

**Composition of Working Group for Formulation of Standard for Continuous Flight Auger piles, CED 43/WG 20**

<b>Sl No.</b>	<b>NAME OF THE ORGANISATION</b>	<b>REPRESENTED BY</b>
1.	Nuclear Power Corporation India Limited, Mumbai	Shri G. Prabhakar ( <i>CONVENER</i> )
2.	AFCONS Infrastructure Limited, Mumbai	Dr Sunil Basarkar ( <i>CO-CONVENER</i> )
3.	Bharat Heavy Electricals Limited, Noida	Shri T. M. S. Rao
4.	Deep Foundations Institute of India, Chennai	Shri I. V. Anirudhan
5.	Geodynamics Ltd, Vadodara	Dr Jaykumar Shukla
6.	ITD Cementation India Ltd, Kolkata	Shri Manish Kumar
7.	Indian Institute of Technology Gandhinagar, Gandhinagar	Prof Amit Prashant

8.	Keller Ground Engineering Pvt Ltd, Chennai	Shri V. V. S. Ramdas
9.	L&T GeoStructure Private Limited, Chennai	Shri M. Kumaran
10.	Bauer Engineering (India) Private Limited, Gurugram	Shri A. Vetriselvan

**Draft for Revision of IS 10077 to be reviewed by Prof Priyanka Ghosh, IIT Kanpur, Kanpur**

NOTE — The work was subsequently assigned to the Working Group for Revision of Standards for soil testing equipment (except IS 9640 and IS 10589)

**Concept Note on Environment Geotechnics to be provided by Shri Jitendra Kumar, NCRTC with support from Dr V. Balakumar**

**Draft for methods of tests for dispersive clays including their identification and classification by pinhole test, to be provided Dr Manish Gupta of CSMRS**