

COMMITTEE COMPOSITION

(As on 2018)

Chemical Department



BUREAU OF INDIAN STANDARDS

MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG

NEW DELHI 110002

CONTENTS

COMMITTEEWISE COMPOSITION

CHDC	CHEMICAL DIVISION COUNCIL
CHD 1	INORGANIC CHEMICALS
CHD 5	ELECTROPLATING AND PHOTOGRAPHIC MATERIALS
CHD 6	INDUSTRIAL GASES
CHD 7	CHEMICAL HAZARDS
CHD 8	OCCUPATIONAL SAFETY & HEALTH
CHD 9	CERAMICWARE
CHD 10	GLASS, GLASSWARE AND LABORATORYWARE
CHD 13	WATER QUALITY FOR INDUSTRIAL PURPOSES
CHD 14	PRINTING INKS, STATIONERY AND ALLIED PRODUCTS
CHD 15	PAPER AND ITS PRODUCTS
CHD 16	PAPER BASED PACKAGING MATERIALS
CHD 17	LEATHER, TANNING MATERIALS AND ALLIED PRODUCTS
CHD 19	FOOTWEAR
CHD 20	PAINTS, VARNISHES AND RELATED PRODUCTS
CHD 21	RAW MATERIALS OF PAINTS, VARNISHES AND RELATED PRDOUCTS
CHD 23	LAC, LAC PRODUCTS AND BRUSHWARE
CHD 25	SOAPS AND ITS SURFACE ACTIVE AGENTS
CHD 26	EXPLOSIVES AND PYROTECHNICS
CHD 27	THERMAL INSULATION

CHD 30	NUCLEAR ENERGY FOR PEACEFUL APPLICATIONS
CHD 32	ENVIRONMENT PROTECTION
CHD 33	SOLID WASTE MANAGEMENT
CHD 34	ENVIRONMENT MANAGEMENT
CHD 35	AIR QUALITY
CHD 36	WATER QUALITY

COMPOSITION AND SCOPE OF CHEMICAL DIVISION COUNCIL (CHDC)

SCOPE

Standardization in the fields of

- a) Chemicals and Chemical products including Photographic materials, Electroplating chemicals, Paints and related products, Glass, Ceramicwares, Soaps and Other Surface Active Agents, Lac and Lac Products, Industrial Gases, Explosives and Pyrotechnics, Water Quality for industrial purposes, Thermal Insulation, and Nuclear Materials; including nano materials and standards for synthetic nano materials.
- b) Paper, Stationery items, Leather, Leather Products, Footwear and Brushware.
- c) Occupational Health, Safety, Environmental Management, Environment Protection, Waste Management, aspects of sustainability relevant to environment, and Chemical Hazards.

CHAIRMAN: Dr. Sourav Pal, Director, Professor, IISER, KOLKATA

Sl. No.	Organisation Represented	Principal/(Alternate) Member
1.	Asian Paints India Ltd, Mumbai	Dr. B. P. Mallik
2.	Bhabha Atomic Research Centre, Mumbai	Dr. Vivekanand Kain
3.	Central Public Works Department, New Delhi	Shri Akhilesh Kumar, Chief Engineer, NDZ II/ {Shri R.K. Kashyap, Superintending Engineer(P), NDZ II}
4.	Central Electrochemical Research Institute, Karaikudi	Dr. S. Syed Azim (Dr. S. Muthukrishnan)
5.	Central Leather Research Institute, Chennai	Director (Dr. B Chandrasekaran), CLRI (Dr. C. Murlidharan)
6.	Central Glass & Ceramic Research Institute, Kolkata	Dr. Ranjan Sen (Dr. B. Karmakar)
7.	Common Cause, Mumbai	Shri Kamal Kant Jaswal (Shri. Surjit Kishore Das)
8.	Consumer Education & Research Centre, (CERC), Ahmedabad	Shri Rakesh Shah (Ms. Anandita Mehta)
9.	Consumer Guidance Society of India, Mumbai	Shri Sitaram Dixit (Dr. M. S. Kamat)
10.	Confederation of Indian Industry, New Delhi	Shri Anupam Kaul
11.	Controllerate of Quality Assurance (Materials), (DGQA), Kanpur	Shri. A. K. Shukla (Shri S. K. Pandey)
12.	Central Pollution Control Board, New Delhi	Dr.D.Saha (Shri S.K.Sharma)

13.	Defence Standardization Cell (DRDO), Min of Defence, New Delhi	Dr. R P Singh (Dr.P.K.Rai)
14.	Directorate of Standardization (DSTD), Ministry of Defence, New Delhi	Lt. Col Praveen Deo Shri. V. K. Chhabra Staff (Capt)
15.	Department of Chemical, Ministry of Chemical and Fertilizers, New Delhi	Shri Arun Agarwal Shri O.P.Sharma
16.	Directorate General, Factory Advice Service & Labour Institutes (DGFASLI), Mumbai	Shri A.Sreeramulu (Shri Tanoj Chandan)
17.	Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, New Delhi	Shri Soumendra Shankar Bose (Shri Nand Lal)
18.	Directorate General of Supplies & Disposals (Inspection Wing), New Delhi	Shri N. K. Kaushal (Shri. S. K. Rastogi)
19.	Directorate General of Armed Forces Medical Services, New Delhi	Gr. Capt. R. K. Pathni (Lt. Col. K. N. Ghosal)
20.	Directorate General of Health Services, New Delhi	Asstt. Director General (PFA) / [Deputy Asstt. Director General (PFA)]
21.	Export Inspection Council Chennai	Nomination awaited
22.	Federation of Indian Chambers of Commerce and Industry (FICCI), Environmental Division, New Delhi	Shri P. S. Singh
23.	Footwear Design & Development Institute (FDDI), Ministry of Commerce, Noida	Ms B.Lalitha Dr. Bhanu Pratap Sahni
24.	Gujarat Alkalies & Chemicals Ltd, Vadodara	Shri A. D. Shah (Shri V. G. Akolkar)
25.	Hindustan Unilever Ltd, Mumbai	Shri. Vivek Sirohi (Shri. N. P. Seetharam)
26.	Indian Chemical Council, Mumbai	Dr. N. J. Singh (Shri D. R. Degwekar)
27.	Indian Institute of Chemical Engineers, Kolkata	Prof. S. K. Sharma (Dr. Siddhartha Mukherjee)
28.	Indian Institute of Packaging, Mumbai	Shri N. C. Saha (Shri B. K. Karna) (Retd.)
29.	Indian Council of Medical Research (National Institute of Occupational Health), New Delhi	Dr. Bela Shah (Dr. R. S. Dhaliwal)
30.	Institute of Chemical Technology, Mumbai	Prof. G. D. Yadav (Prof. B.M. Bhanage)
31.	Indian Institute of Petroleum, Dehradun	Dr Bir Sain (Dr. A. K. Singh)
32.	Indian Paper Manufacturers Association, New Delhi	Mr. Biswaranjan Dash (Mr. Rohit Pandit)
33.	Indian Small Scale Paints Association	Nomination awaited
34.	Kokuyo Camlin Limited, Mumbai	Shri M. J Salunkhe Shri P.J.Gajenkar
35.	Ministry of Environment & Forests, New Delhi	Shri. R. N. Jindal
36.	National Environmental Engineering Research Institute, Nagpur	Dr. Nitin Labhsetwar, Dr. Amit Bansiwala

37.	National Chemical Laboratory, Pune	Dr. M. S. Qureshi (Dr. P. P. Barve)
38.	National Physical Laboratory, New Delhi	Shri Prabhat K. Gupta (Dr. Nahar Singh)
39.	National Safety Council, Navi Mumbai	Shri V. B. Sant (Shri R. Srivastava)
40.	National Test House (ER), Kolkata	Dr. Sunil Kumar Saha (Shri. A. K. S. Bansod)
41.	Office of the Development Commissioner (MSME), Min of Micro, Small and Medium Enterprises, New Delhi	Dr. Izzatullah (Dr. Sarvesh Kumar Sharma)
42.	Research Designs & Standards Organization (RDSO), Lucknow	Shri I.S.Das (Shri Suraj Singh)
43.	Science & Engineering Research Council Division (SERC), Dept of Science & Technology, New Delhi	Dr. R. Brakaspathy (Shri. V. V. Jacob)
44.	Steel Authority of India, New Delhi	Shri Satya Prakash (Shri M. R. Krishanmurthy)
45.	The Energy and Resources Institute (TERI), New Delhi	Dr. Malini Balakrishnan (Dr. Vidya S. Batra)
46.	Tata Chemicals Ltd., Mumbai	Shri Haresh T Gangaramani (Shri Najmul Hasan Khan)
47.	VOICE, New Delhi	Shri M. A. U. Khan (Shri. B K Mukhopadhyay)
48.	Inorganic Chemicals, CHD 1	Dr. Amitava Das, Director CSMCRI
49.	Electroplating and Photographic Material, CHD 5	Dr.S.Mohan, CECRI
50.	Industrial Gases, CHD 6	Shri Prabhat K. Gupta, NPL
51.	Chemical Hazards, CHD 7	(Shri K S Ramaprasad CHD 7) Head, IPSD Division, AERB
52.	Occupational Safety And Health, CHD 8	Shri V. B. Sant, National Safety Council
53.	Ceramicware, CHD 9	Director (Dr K Muraleedharan) CGCRI
54.	Glass, Glassware and Laboratoryware, CHD 10	Director (Dr K Muraleedharan), CGCRI
55.	Water Quality for Industrial Purposes, CHD 13	Dr.K.P.Bhattacharya, BARC
56.	Printing Inks, Stationery and Allied Products, CHD 14	Shri Subir Mandal, Controller of Stationery, Govt. of India Stationery Office, Kolkata
57.	Paper and its Products, CHD 15	Director (Dr.B.P.Thapiyal) CPPRI
58.	Paper based Packaging Materials, CHD 16	Dr.. N C Saha, Director, IIP
59.	Leather, Tanning Materials and Allied Products, CHD 17	(Dr. B Chandrasekaran) Director, CLRI
60.	Footwear, CHD 19	Dr B N Das, Chief Scientist, CLRI
61.	Paints, Varnishes And Related Products CHD 20	Dr. S. K. Saha, in personal capacity

62.	Raw Materials for Paints, Varnishes and Related Products, CHD 21	Prof. A S Khanna, Prof., IIT, Mumbai
63.	Brushware, Polishes, Lac&Lac Products, CHD 23	Director (Dr. K K Sharma) IINRG
64.	Soaps and other Surface Active Agents, CHD 25	Drug Controller General of India (Dr.Rakesh Trivedi)
65.	Explosives and Pyrotechnics, CHD 26	Chief Controller of Explosives, (Dr.N T Shahu) PESO
66.	Thermal Insulation, CHD 27	Directo (Dr N Gopalakrishnan) CBRI
67.	Nuclear Energy for Peaceful Applications, CHD 30	Dr.Shaju Albert, IGCAR
68.	Environment Protection & Waste Management (excluding Biomedical and Nuclear Waste), CHD 32	(Dr. Rakesh Kumar) Director, NEERI
69.	Solid Waste, CHD 33	Dr.(Mrs). ANURADHA SHUKLA, CRRI
70.	Environmental Management, CHD 34	Dr. S. K. Sharma
71.	Air Quality, CHD 35	Dr. (Mrs) Gauri Pandit, BARC, Mumbai
72.	Water Quality, CHD 36	Shri N Raveendheer, Telangana State Pollution Control Board

CHD 1 INORGANIC CHEMICALS

SCOPE-

Liaison : ISO TC- 1 SC- 1 (P): Chemistry ;ISO TC- 298 (P): Rare Earth ;ISO TC- 298 (P): Rare Earth ;

Scope :a) To formulate Indian Standards on terminology, methods of sampling and tests (including general methods), code of practices and specification for all inorganic chemicals (except electroplating and photographic chemicals)

Chairman, Dr. Amitava Das, CSMCRI, Bhavnagar

Sl. No.	Organisation Represented	Principal/(Alternate) Member
1.	Central Salt and Marine Chemicals Research Institute, Bhavnagar	Dr. Amitava Das
2.	Aditya Birla Chemical (I) Ltd, New Delhi	Shri D. K. Jain
3.	Alkali Mfrs Association of India, Delhi	Shri K Srinivasan (Dr. H.S.Das)
4.	Bhabha Atomic Research Centre, Mumbai	Dr. A V R Reddy (Dr S N Achary)
5.	Consumer Education & Research Centre, Ahmedabad	Dr. C. J. Shishoo (Shri S. Yellore)
6.	DGQA, New Delhi	Dr. Gurbachan Singh Shri Mahendra Singh
7.	Geological Survey of India, Kolkata	Dr. D. K. Das (Dr. Subhas Chandra)
8.	Grasim Industries Ltd., Nagda	Shri R. S. Baghel
9.	Gujarat Alkalies and Chemicals Ltd, Vadodara	Dr. Sunil Sinha Shri J P Patel
10.	Hindustan Lever Ltd., Mumbai	Vrinda Rajwade Smt Poornakala Satyamoorthy
11.	In personal capacity	Dr. A. N. Bhat
12.	In personal capacity	Dr. T.S. Kathpal
13.	Industrial Carbon Pvt.Ltd., Ankleshwar	Shri Rohit Kumar Madhavji Shri Satyan Rohit Kumar
14.	Indian Institute of Chemical Technology, Hyderabad	Dr Praveen R Likhar (Dr Rajender Reddy)
15.	Ministry of Defence (DGQA), Kanpur	Shri R. N. Aparajit
16.	Ministry of Chemicals & Fertilizers	Dr. Rohit Misra
17.	National Chemical Laboratory, Pune	Dr. Darbha Srinivas (Dr. Paresh Dhepe)
18.	National Metallurgical Laboratory,	Dr. Trilochan Mishra

	Jamshedpur	(Shri Devbrata Mishra)
19.	National Mineral Development Corporation Ltd., Hyderabad	Shri Rajan Kumar Dr Prashant Sharma
20.	National Physical Laboratory, New Delhi	Shri Prabhat K. Gupta (Shri Nahar Singh)
21.	National Test House (NR)	Dr. Y. C. Nijhawan [Dr.(Ms.) A. Biswas]
22.	Nirma Chemicals, Ahmedabad	Shri R. A. Joshi, (Dr.K. C. Pathak)
23.	Office of the Development Commissioner (MSME), New Delhi	Shri Harpreet Singh, Smt Shimla Meena
24.	Reliance Industries Ltd., Navi Mumbai	Shri Dhanavadan Modi
25.	Shriram Institute for industrial research, Delhi	Dr. (Ms.) Laxmi Rawat (Shri B. Govindan)
26.	Tamilnadu Petroproducts Limited, Chennai	Mr. Ravi Muthukrishnan
27.	Tata Chemicals Ltd., Gujarat	Shri R. J. Buch (Shri M. S. S. Rao)
28.	The Dharamsi Morarji Chemicals Co. Ltd., Thane	Dr. Umesh Shetkar, (ShriAshok Kumar Nagarch)
29.	Transpek - Silox Industry Limited, Vadodara	Shri Shardul Bhatt Shri Sunil Singh
30.	DG S&D	Shri A. K. Jain
31.	VOICE, Delhi	Nomination awaited
32.	Global Adsorbents Pvt Ltd, Kolkata	Shri Sanjay Dhanuka Shri Rahul Dhanuka

CHD 5 ELECTROPLATING AND PHOTOGRAPHIC MATERIAL

SCOPE

To formulate Indian Standards on terminology, methods of sampling and tests, codes of practice for sampling, packaging, storage and specifications for electroplating and photographic chemicals, photographic paper, films, sizes of spools and related materials.

COMPOSITION

Chairman, Dr. S. Mohan, Head & Chief Scientist, EMFT Division, CSIR - Central Electrochemical Research Institute, Karaikudi

Sl. No.	Organisation Represented	Principal/(Alternate) Member
1	Bhabha Atomic Research Centre, Hyderabad	Nomination awaited
2	Bharat Electronics Ltd., Bangalore	Nomination awaited
3	Bharat Heavy Electricals Ltd., Tiruchirapalli	Nomination awaited
4	Brite Platers & Electrical Engineers , Bangalore	Shri D. P. Bhattacharya
5	CMP Pvt. Ltd., Mumbai	Shri D. T. Thakur (Shri R. K. Chug)
6	Consolidated Metal Finishing (P) Ltd., New Delhi	Shri Sunil Kumar Khanna (Shri P. Gurumoorthi)
7	Controllerate of Quality Assurance (Materials), Kanpur	Shri R. N. Upadhyay (Shri A. K. Shukla)
8	Department of Industrial Policy & Promotion, New Delhi	Nomination awaited
9	Films Division, Ministry of Information and Broadcasting, Mumbai	Nomination awaited
10	Gujarat Alkali and Chemicals Ltd., Baroda	Nomination awaited
11	Hindustan Photo Films Manufacturing Co. Ltd., Octacamund	Shri P. Jagadeeswaran (Shri B. B. Chaudhary)
12	Indian Centre for Plastic in the Environment, New Delhi	Nomination awaited
13	Kongovi Electronics Pvt., Ltd., Bangalore	Nomination awaited
14	Liberty Chemical Works, Mumbai	Nomination awaited
15	Metal Finishers Association of India, Mumbai	Shri Madhav Singh (Shri Sunil Goel)
16	Office of the Development Commissioner (MSME), New Delhi	Nomination awaited
17	Platewel Processes & Chemicals Ltd., Vadodara	Nomination awaited
18	Prasad Film Lab, Bangalore	Nomination awaited
19	RDSO, Lucknow	Nomination awaited
20	Ronuk Industries Ltd., Mumbai	Nomination awaited
21	Satyadev Chemicals Pvt. Ltd, Vadodara	Nomination awaited

22	Security Printing and Mining Corporation, Hyderabad	Shri S.N.Lahiri (Shri P. Mehrotra)
23	Society for Advancement of Electrochemical Science and Technology, Karaikudi	Nomination awaited
24	Space Application Centre ISRO, Ahmedabad	Shri V. V. Limaye (Shri Sharad Shukla)
25	Standard Alkali (Chemical Division), Navi Mumbai	Nomination awaited
26	Electroplating and Surface finishing of Metals Division, CECRI. Karaikudi	Dr. G.N.K. Ramesh Babu

CHD 6, INDUSTRIAL GASES

SCOPE

- a) To formulate Indian Standards for terminology; methods of sampling and test; codes of practice and specifications for industrial gases including high purity specialty gases and gas mixtures other than LPG.
- b) To liaise with
- i) ISO/TC 158 Analysis of gases
 - ii) ISO/TC 197 Hydrogen technologies

Chairman, Shri Prabhat Kumar Gupta, NPL

Sl. No.	Organisation Represented	Principal/(Alternate) Member
1	All India Industrial Gases Manufacturers Association, New Delhi	Shri S A Patel/ (Smt Veena Peter)
2	Automobile Research Association of India, Pune	Shri. Shrikant R. Marathe (Dr. S. S. Thipse)
3	Bhabha Atomic Research Centre, Mumbai	Dr. Amrit Prakash (Shri P. G. Behere)
4	Bhuruka Gases Limited , Bangalore	Nomination awaited
5	Linde India Limited	Shri Tapan Kumar Bhattacharya (Shri Prasenjit Chakrabarti)
6	Central Pollution Control Board, New Delhi	Shri S.K Sharma
7	Century Rayon, Mumbai	Nomination awaited
8	Chemtron Science Laboratories Pvt. Ltd., Navi Mumbai	Dr. O. P. Srivastava (Shri Ashish Srivastava)
9	Consumer Education & Research Centre, Ahmedabad	Dr C J Shishoo (Shri Anindita Mehta)
10	Department of Electronics, New Delhi	Dr. U. C. Pandey
11	Department of Industrial Policy & Promotion(DIPP), New Delhi	Shri Shaish Kumar (Shri N. C. Tiwari)
12	Eftec Gases, Mumbai	Nomination awaited
13	Everest Kanto Cylinder Ltd., Mumbai	Shri P. M. Samvatsar (Shri A. G. Khamkar)
14	Forensic Science Laboratory, New Delhi	Nomination awaited

15	Indian Institute of Science, Bangalore	Nomination awaited
16	Indian Oil Corporation (R &D Centre), Faridabad	Dr. A. S. Sarpal (Dr.S. K. Ray)
17	Indian Space Research Organization, Tamil Nadu	Nomination awaited
18	Indian Metrological Department, Pune	Nomination awaited
19	Indian Institute of Tropical Metrology, Pune	Nomination awaited
20	Inox India Limited, Gujarat	Nomination awaited
21	Ministry of Defence (DGQA), Kanpur	Dr S K Tiwari (Shri Sunil Kumar)
22	Mohan Meakin Ltd., Ghaziabad	Dr. E. K. Jayanarayanan
23	National Fertilizers Limited, Panipat	Shri Ashok Kumar Singh (Shri T. L. Singh)
24	National Physical Laboratory , New Delhi	Dr. Shankar Aggarwal
25	National Test House, Kolkata	Dr. S. B. Kusare (Dr. S. Ghosh Roy)
26	Petroleum and Explosives Safety Organization (PESO), Nagpur	Shri Srinivasa Rao Keta (Dr. Jeevrathinam D)
27	Praxair India Pvt. Ltd, Bangalore	Shri Arindam Das (Shri Elsangeethan Ezekiel)
28	Reliance Industries Limited, Surat	Shri Joy M Shah (Shri Kamal J Parikh)
29	SICGIL India Ltd., Chennai	Shri Ruqshad Dadabhoy (Shri R. Padmanaban)
30	Steel Authority of India, Bhilai	Shri A. Nagarajan (Shri S. G. K. Murthy)
31	Vanaz Engineers Ltd., Pune	Shri S R Sargate (Shri S J Vispute)
32	Welding Research Institute, Trichy	Dr. Suresh (Dr. A.Raja)

CHD 7 Chemical Hazards

SCOPE

"To formulate Indian Standard for

- i. Terminology relating to occupational safety and chemical hazards, methods of sampling and test,
- ii. Classification of chemical hazards and hazardous chemicals; and
- iii. Code of safety for operational hazards in industries, laboratories etc; safety data sheets and cards for hazardous chemicals;
- iv. Storage, handling and transportation of hazardous chemicals

Chairman, Shri K S Ramaprasad, Head, IPSD Division, AERB

NAME OF THE ORGANISATION	REPRESENTED BY
1Atomic Energy Regulatory Board , Mumbai	Shri K S Ram Prasad CHAIRMAN
2Alkali Manufacturers Association of India , Mumbai	Shri K Srinivasan Dr. Hari Saran Das (Alternate)
3Bhabha Atomic Research Centre , Mumbai	Dr.P.N.Bhat Smt. Garima Singh, (Alternate)
4Central Food Technological Research Institute , Mysore	Dr M.N. Manjunath Shri Arun Kumar (Alternate)
5Central Leather Research Institute , Chennai	Dr. M.Suriyanarayanan
6Centre for Fire, Explosives and Environmental Science, GoI, Min Of Def ,	Shri S P Dobhal Dr.Arati Bhatt (Alternate)
7Century Rayon , Thane	Shri S.A.Luthra Dr.Sandeep R Naik (Alternate)
8Crop Care Federation of India, , New Delhi	Dr P.S. Ramanathan Shri D.K. Arora (Alternate)
9Defence Research and Development Organization ,	Awaited
10 Department of Chemicals & Fertilizers, Min of Chemicals & Fertilizers, GoI, New Delhi ,	Shri Arun Agarwal Shri O.P.Sharma (Alternate)
11 Department of Space, (ISRO), Bangalore , Bangalore	Shri Shyamal Kumar Kanungo Shri Vinod Kumar Srivastava (Alternate)
12 Directorate General Factory Advice Service & Labour Institutes , Mumbai	Dr.S.N.Banerjee Shri Dutta Choudhary (Alternate)
13 Excel Industries Limited , Mumbai	Shri R.S.Korde

	Shri Dhananjay R Degwekar (Alternate)
14 Hindustan Unilever Limited , Mumbai	Shri Sanjay Harlaka Shri Rakesh Wadalkar (Alternate)
15 IIT Chennai ,	Dr.Sachin Gunte
16 In Personal Capacity ,	Shri Vipin Doshi
17 Indian Chemical Council , Mumbai	Dr.N.J.Singh Shri A.A. Panjwani (Alternate)
18 Indian Explosives Limited ,	Awaited
19 Indian Institute of Chemical Technology , Hyderabad	Dr.S.Sridhar Dr.Gangagni Rao Anupoju (Alternate)
20 Indian Institute of Petroleum , Dehradun	Dr Neeraj Atray Dr.Pankaj Kumar Kanaujia (Alternate)
21 Indian Institute of Technology, Bombay , Mumbai	Prof Sandip Roy
22 Indian Institute of Toxicology Research (formerly ITRC) , Lucknow	Dr.D.K.Patel Dr.Sheelendra Pratap Singh (Alternate)
23 Indira Gandhi Centre for Atomic Research, Kalpakkam ,	Dr.K.K.Satpathy
24 Institute of Chemical Technology ,	Prof.Dr.G.D.Yadav Dr.B.M.Bhanage (Alternate)
25 Ministry of Environment, Forest and Climate Change, Goi, New Delhi , New Delhi	Shri Dinesh Runiwal
26 National Chemical Laboratory , Pune	Dr. G.S.Grover Dr. B.B. Idage (Alternate)
27 National Institute of Occupational Health , Ahmedabad	Dr. H.R. Rajmohan Dr. A.K. Mukherjee (Alternate)
28 National Safety Council , Navi Mumbai	SHRI A. Y. SUNDKAR Shri K D Patil (Alternate)
29 Oil Industry Safety Directorate (Min.of Pet.& Natural Gas) , Delhi	Shri Shashi Vardhan
30 Pesticides Manufacturers and Formulators Association of India , Mumbai	Dr.Samir P Dave Shri Pradip Dave (Alternate)
31 Petroleum & Explosives Safety Organisation , Nagpur	Shri S K Shukla Shri Basudev Basak (Alternate)

32	Reliance Industries Limited , Mumbai	Mrs Geeta Singh Shri Arvind N Kumar (Alternate)
33	Safety Appliances Manufacturers Association , Mumbai	Shri M. Kant Shri Kirit Maru (Alternate)
34	Shriram Institute for Industrial Research , Delhi	Miss Shobha Kumar Dr.D.S.Chatterjee (Alternate)
35	Sri Ramachandra Univerisity ,	Dr. S. Sankar
36	Tata Chemicals Ltd., , Mithapur, Distt Jamnagar	R C Buch Shri. D K Thakur (Alternate)
37	The Fertiliser Association of India , New Delhi	Awaited

CHD 8 Occupational Health and Safety

SCOPE

"To formulate Indian Standards for

- i) Terminology relating to Occupational Health and Safety
- ii) Specifications, Code of practice and test methods for safety equipment
- iii) Code of safety for operational hazards in industries other than chemical industries
- iv) Occupational health and safety management system, procedure and practices."

CHAIRMAN, SHRI V B SANT, NSC

NAME OF THE ORGANISATION	REPRESENTED BY
1National Safety Council , Navi Mumbai	Shri V B Sant CHAIRMAN
2M INDIA LIMITED , Bangalore	Shri Vinay Pathak Shri Rishi Raj Arya (Alternate)
3Airport Authority of India , New Delhi	Shri Bakhshish Singh Shri Roshanlal (Alternate)
4Atomic Energy Regulatory Board , Mumbai	Shri Lakshman Nyaya Valiveti Shri Diptendu Das (Alternate)
5Bhabha Atomic Research Centre , Mumbai	SHRI S.D.BHARAMBE Shri G.NAGARAJU (Alternate)
6Builders Association of India ,	Awaited
7Cement Manufacturers Association ,	Shri Sanjay Jain Shri Naveen K Sharma (Alternate)
8Central Institute of Mining and Fuel Research , Dhanbad	Dr. J.K. Pandey
9Central Leather Research Institute , Chennai	Dr. M.Suriyanarayanan
10 Centre for Fire , Explosives & Environment Safety, DRDO, Min of Defence, Govt of India , Delhi	Dr.Arati Bhatt Dr.S.Mary Celin (Alternate)
11 Coal India Ltd , Kolkata	Shri Aloke Kumar Nath Shri Debdulal Sarkar (Alternate)
12 Common Cause , New Delhi	Shri Kamal Kant Jaswal Shri Surjit Kishore Das (Alternate)

13	Confederation of Indian Industry , New Delhi	Shri shikhar Jain Shri Ramesh A Bagi (Alternate)
14	Consumer Education & Research Centre , Ahmedabad	Ms. Anindita Mehta Ms. Dolly A. Jani (Alternate)
15	DEFENCE RESEARCH & DEVELOPMENT ORGANISATION, Ministry of Defence, Govt. of India ,	Shri S.Nandula Shri K G Kapoor (Alternate)
16	Department of Industrial Policy & Promotion (DIPP) , New Delhi	Shri T S G Narayannen Shri Nand Lal (Alternate)
17	Department of Space, (ISRO) Bangalore , Sriharikota	Shri T Subbanathan Shri. R Manoj (Alternate)
18	Deptt. of Defence Production (DGQA) , New Delhi	Dr.R.K.Updhyay Dr. A.Yadav, (Alternate)
19	Director General of Mines Safety , Dhanbad	Shri Prabhat Kumar Shri K Gyaneswar (Alternate)
20	Directorate General Factory Advice Service & Labour Institute , Mumbai	Shri Sumit Roy Shri H M Bhandari (Alternate)
21	Directorate General of Health Services , New Delhi	Dr A.K Mandal Dr A.N. Sinha (Alternate)
22	Directorate of Industrial Safety and Health, Mumbai , Mumbai	Shri Vilas Sudhakar Moray Shri A.K.Dongre (Alternate)
23	Directorate of Standardization, Ministry of Defence, New Delhi , New Delhi	The Secretary, The Joint Director (Standards) (Alternate)
24	Drager Safety India (Pvt) Ltd ,	Shri Hirendra Chatterjee Ms Jhankana Gyani (Alternate)
25	Employee State Insurance Corporation , New Delhi	Dr.Deepak Kumar Sharma Dr.Ravindra Pawar (Alternate)
26	Indian Chemical Council , Mumbai	Dr.N.J.Singh Shri A.A. Panjwani (Alternate)
27	Indian Institute of Toxicology Research (formerly ITRC) , Lucknow	Dr. D K Patel Dr. Sheelendra Pratap Singh (Alternate)
28	Indian School of Mines , Dhanbad	Prof. D.C.Panigrahi
29	Indira Gandhi Centre for Atomic Research, Kalpakkam ,	Dr.K.K.Satpathy
30	Intech Safety Pvt Ltd ,	Shri Subrata Mukherjee Shri Goutam Banerjee (Alternate)

31	Joseph Leslie Dynamics Mfg. Pvt Ltd , Mumbai	Shri Cyril Pereira Shri Dean Leslie Roy (Alternate)
32	karam industries ,	Shri Rajesh Nigam Shri Mohammad (Alternate)
33	Larsen & Toubro Limited ,	Awaited
34	Ministry of Home Affairs, , New Delhi	Shri D K Shami Dy. Fire Adviser (Alternate)
35	Ministry of Labour ,	Awaited
36	National Disaster Management Authority , New Delhi	Shri Vijay Singh Nemiwal Shri Kunal Sharma (Alternate)
37	National Fire Service College , Nagpur	Shri Shamim Shri D.M.Khan (Alternate)
38	National Institute of Occupational Health , Ahmedabad	Dr.B.Ravichandran Dr. A.K. Mukherjee (Alternate)
39	National Safety Council , Navi Mumbai	Deputy Director General Shri A.Y.Sundkar (Alternate)
40	Nuclear Power Corporation of India Limited , Mumbai	Shri Aloke Varshney Shri M U Vincy (Alternate)
41	Oil Industry Safety Directorate (Min.of Pet.& Natural Gas) , Delhi	Shri Shashi Vardhan
42	Petroleum & Explosives Safety Organisation , Nagpur	Jt Ch. Controller of Explosive
43	Quality Council of India ,	Shri A K Bahl Shri Abhay Pathak (Alternate)
44	Reflectosafe ,	Shri Lalit B Aggarwal Shri Balram Chadha (Alternate)
45	Reliance Industries Limited , Mumbai	Dr.Prasad Tipnis Shree Neeraj Sharma (Alternate)
46	Research, Design & Standards Organization, New Delhi ,	Awaited
47	Safety Appliances Manufacturers Association , Mumbai	Shri M. Kant Shri Kirit Maru (Alternate)
48	Steel Authority of India Ltd , Ranchi	Shri Kalidas Sen Gupta Shri Shashi Vasistha (Alternate)

49 Venus Safety & Health Pvt. Ltd , Navi Mumbai

Shri Mahesh Kudav
Shri Ravi Shinde (Alternate)

CHD 9 CERAMICWARE

SCOPE

To formulate Indian Standards for terminology, method of sampling and test; and specification for: i) Ceramic raw materials; ii) Whiteware, all types of ceramic tableware (excluding porcelain insulators, sanitaryware, tiles, salt glazed pipes & fittings; and ceramic laboratoryware); iii) Technical ceramics; iv) Ceramic coated metal ware (excluding wares used in hospitals); and v) Ceramic water purifier filter candles.

COMPOSITION

Dr. K Muralidharan, Director, CSIR-Central Glass and Ceramic Research Institute, Kolkata

Sl No.	Organization Represented	Principal / (Alternate) Member(s)
1	All India Institute of Hygiene and Public Health, Kolkata (T)	Prof. R. C. Srivastava Dr. Nibedita Das
2	All India Pottery Manufacturers' Association, Kolkata (M)	Nomination awaited
3	Associated Soapstone Distributing Co. Pvt. Ltd., Jaipur (M)	Shri Dilip Jha (Shri Rajendra Pareek)
4	Aditya Birla Insulator, Benguluru (M)	Nomination awaited
5	Asian Granito India Ltd., Gujarat (M)	Nomination Awaited
6	IIT-BHU (T)	Prof. Devendar Kumar (Prof. Om Prakash)
7	BHEL, Bengaluru (M)	Nomination awaited
8	Bhabha Atomic Research Center, Mumbai (T)	Dr. Deep Prakash (Dr. Abhijit Ghosh)
9	Central Glass & Ceramic Research Institute, Kolkata (T)	Dr.S.N.Mishra (Dr. H. S. Tripathi)
10	Cera Sanitaryware Ltd., Kadi (U)	Shri M. K. Bhandari (Shri M.L.Bahety)
11	Chem. & Allied Products Export Insp. Council, Kolkata (O)	Shri S. K. Ghosh
12	Controller of Quality Assurance, Kanpur (T)	Shri V. R. Chaudhary (Dr. K. C. Gupta)

13	Govt. College of Engg. & Ceramic Technology, Kolkata (T)	Prof. Saikat Maitra (Prof. Ram Chandra Das)
14	Grindwell Norton Limited, Chennai (M)	Nomination awaited
15	HSIL Ltd., Bahadurgarh (U)	Shri R. K. Somany (Shri T. K. Raha)
16	Industries Commissioner, Gandhinagar (O)	Shri H. D. Shrimali (Shri R. N. Ravai)
17	Johnson Tiles, Mumbai (M)	Nomination awaited
18	NTB Hi Tech Ceramics, Pune (M)	Nomination awaited
19	National Test House, Kolkata (T)	Dr. S. K. Kulshreshtha (Shri M. S. Mitra)
20	National Institute of Technology, Rourkela (T)	Nomination awaited
21	Office of Dev. Commissioner (MSME), N. Delhi (O)	Shri Suresh Yadav
22	Roca Bathroom Products Pvt. Ltd., Tamilnadu (U)	Shri Noorula Khan (Shri Kanan Chellappan)
23	Porcelain Enamellers Association, Kolkata (M)	Shri B. S. Ganguly (Shri S.K.Mukherjee)
24	Rajniklal Ceramic Pvt. Ltd., Kolkata (M)	Shri Prabodh M. Sanghve (Shri Pulak Chakraborty)
25	SPL Ltd., Jhajjar, Haryana (U)	Dr. Ashutosh Goyal (Shri T.Shridhar)

CHD 10, GLASS, GLASSWARE AND LABORATORYWARE

SCOPE

To formulate Indian Standards for terminology, code of practice, methods of sampling and tests and specifications for glass including, its raw material, glassware, processed glass, electrical and electronic visual displays, laboratory ware, including thermometer, hydrometers (made from glass, plastics, ceramic, silica etc) not covered in scope of other Sectional Committees.

COMPOSITION

Dr. K Muralidharan, Director, CSIR-Central Glass and Ceramic Research Institute, Kolkata

Sl.No	Organization	Representative
1.	Asahi India Glass Limited (M)	Shri Praveen Saini Shri Navin Rai
2.	Bhabha Atomic Research Centre, Mumbai (T)	Dr.(Smt) Madhumita Goswami Dr. Purnananda Nandi
3.	Borosil Glass Works Ltd (M)	Shri Shrikant Gangan Shri Satish Chitriv
4.	Building Materials & Technology Promotion Council (U)	Shri A. K. Tiwari Dr. Amit Rai
5.	Central Building Research Institute, Roorkee (T)	Dr. Navjeev Saxena Shri Ajay Chaurasia
6.	Central Glass & Ceramic Research Institute (T)	Dr. K Annapurna Shri Sitendu Mandal
7.	Centre for the Development of Glass Industry (T)	Shri Sanjeev Chinmalli Shri Devendra Sah
8.	Confederation Construction Products and Services (CCPS) (U)	Shri Deepak Gahlowt Shri Shashi Kant
9.	Controllerate of Quality Assurance (Materials) (U)	Shri Sunil Kumar Shri H C Sharma
10.	Department of Industrial Policy & Promotion (O)	Shri T.S.G. Narayannen Shri Nand Lal
11.	Director General Of Supplies & Disposals (O)	Shri R.S. Pandey
12.	Federation of Safety Glass (M)	Shri Sharanjit Singh Shri Gurmeet Singh
13.	Glazing Society of India (T)	Shri G N Gohul Deepak

		Shri Mathivanan M/ Shri Subin Calvin Geo
14.	Gold Plus Glass Industry	Shri Vivek Dubey Shri Prem Dutt
15.	Govt College of Engineering and Ceramic Technology (T)	Dr. Rituparna Sen Dr. (Ms.) Kaberi Das
16.	Hindustan Glass Works Ltd (M)	Shri Varun Gupta Shri K. Arvin
17.	Hindustan National Glass Industries Ltd (M)	Shri K.K. Sharma
18.	Indian Institute of Packaging (T)	Dr. N C Saha Shri Bidhan Das
19.	Indian Meteorological Department (T)	Shri S. Krishnaiah Shri P.N. Mohanan
20.	IIT, BHU, Varanasi (T)	Dr.Devendra Kumar
21.	NCERT, New Delhi (T)	Nomination awaited
22.	National Physical Laboratory (T)	Dr. Sukhvir singh (Dr. R.K. Garg)
23.	National Test House, Kolkata (T)	Dr. S. K. Kulshrestha Shri D. V. S. Prasad
24.	Office of the Development Commissioner (MSME) (O)	Shri R K Bharti Shri Santosh Kumar
25.	SAB India Pvt. Ltd., Benguluru (U)	Nomination awaited
26.	Saint - Gobain Glass India Ltd. (M)	Shri Unnikrishnan A.R Shri Murali. N
27.	Schott Glass India Pvt. Ltd (M)	Shri Anand Bakshi Shri Hansraj Goud
28.	Shriram Institute for Industrial Research (T)	Shri Sanjay Gupta Shri Shambhu Thakur
29.	Tensil Glass Works (M)	Shri A.N.S. Kumar Shri A.G. Natarajan
30.	The All India Glass Manufacturers Federation (M)	Shri Sourabh Kankar Shri Vinit Kapur/ Shri Gopal Ganatra
31.	United Breweries Group (U)	Shri S.K. Rastogi
32.	Voluntary Organization in Interest of Consumer Education (VOICE) (U)	Shri B K Mukhopadhyay Shri K.C. Chaudhary

CHD 13, WATER QUALITY FOR INDUSTRIAL PURPOSES

SCOPE

“To formulate Indian Standards on terminology, specifications, method of tests, codes of practices and guidelines for:

a. Quality criteria of water for different industries.

b. Treatment of industrial water based on various end uses.

c. Issues related to industrial water chemistry such as scaling, fouling, corrosion and its remedial measures”

Chairman, Shri K P Bhattacharyya, Scientific Officer (G), Desalination Division, Bhabha Atomic Research Centre (BARC), Trombay

S.No	Name of the Organization & Place	Represented by
1	Bhabha Atomic Research Centre, Mumbai	Shri K P Bhattacharyya Shri Shivayyanamath.S Shri T.K Dey
2	Bharat Heavy Electrical Limited, Thiruchirapali	Dr S BHATNAGAR K.ANANDA BABU Dr. A.LAWRENCE
3	Central Ground Water Board, Faridabad	Dr. Neelam Nigam Smt. Pooja Mehrotra
4	Central Leather Research Institute, Chennai	Dr C Muralidharan/ (Shri R Suthanthararajan)
5	Central Pollution Control Board, New Delhi	Dr S D Makhijani/ (Dr R C Trivedi)
6	Central Pulp & Paper Research Institute, Sharanpur	Dr Reeta Tandon/ (Dr S Thapiyal)
7	Central Salt and Marine Chemicals Research Institute, Bhavnagar	Dr. SoumyaHaldar Dr. D. N. Srivastava
8	Confederation of Indian Industry, New Delhi	Shri D.S.Chadha
9	Consumer education and Research Centre, Ahmedabad	Ms Anindita Mehta (Ms Dolly Jain)
10	Department of Industrial Policy & Promotion, New Delhi	Shri T.S.G.Narayanan Shri Nand Lal
11	Grasim Industries Limited, Nagda	Shri S N Sastry Shri R S Baghel
12	Indian Farmers Fertilizer Cooperative Limited, Allahabad	Shri Gorakh Singh/ (Shri K S S Moorthy)
13	Ion Exchange India Limited, Mumbai	Shri U.P.Muley Shri Prashant Chitnis

14	Aditya Birla Chemicals(India)Limited, New Delhi	Shri D K Jain/ (Shri Alok Singh)
15	Maharashtra State Electricity Board, Chandrapur	Shri V P Ghodmare Shri Rajesh DattatrayaChivane
16	Ministry of Drinking Water and Sanitation ,New Delhi	Shri R M Desphande
17	Ministry of Urban Development & Poverty Alleviation, New Delhi	Shri SukantaKar
18	National Environment Engineering Research Institute, Nagpur	Dr. PawanLabhasetwar Er. S.P. Andey
19	NLC Nalco India Limited, Kolkata	Dr Ashish Kumar Samaddar/ (Shri NadanChatterji)
20	NTPC Limited, New Delhi	Shri H.S.S.Senger Shri Sharat Kumar
21	Padarsh Pharmaceuticals Private Limited, Mumbai	Shri MuneeshChadda/ (Shri S Y Pandit)
22	Shriram Institute for Industrial Research, Delhi	Dr V K Verma/ (Ms Manjeet Aggarwal)
23	The Energy and Resource Institute, New Delhi	Shri Anshuman Dr. Suneel Pandey
24	The Fertilizer Association of India, New Delhi	Shri Manish Goswami Shri N.R.Kamat
25	Water and steam Chemistry Division, BARC facilities, Kalpakkam	Director

CHD 14, PRINTING INKS , STATIONERY AND ALLIED PRODUCTS

SCOPE

Scope :To formulate Indian Standards for terminology, codes of practice and guidelines, method of sampling and test and specifications for: a) Inks (excluding their raw materials) used for printing & writing. b) Stationery items such as pens, pencils, refills, correcting fluids, chalks and crayons, artist's colors, carbon and other copying papers, stencil papers and other inked ribbon.

Shri Subir Kumar Mandal, Govt Printing, Govt. of West Bengal

S.No	Organization Represented	Principal/(Alternate) Member
1.	Government of Indian Stationery Office, Kolkata	Shri Jalis Ahmed/ Shri SwapanKantiGhosh
2.	All India Federation of Master Printers, New Delhi	Shri N. L. Mazumdar Mr Harjinder Singh
3.	All India Plastic Manufacturer Association, Mumbai	Dr. Asutosh K. Gor Shri R. K. Aggarwal
4.	Asian Ink Company, New Delhi	Shri Y M Chandhok/ (Shri M Chandhok)
5.	Bank Note Press, Dewas	Shri S. Mahapatra
6.	Consumer's Forum	JagdishKaushik
7.	Currency Note Press, Nasik	Shri Ganga Prakash/ (Shri SumitSinha)
8.	DIC India Limited, Kolkata	Shri U Chowdhuri/ Shri NitinTriveni
9.	Directorate of Printing, New Delhi	Shri D K Jain Shri K.K Puri
10.	Kores India Limited, Mumbai	Shri S M Khanna/ (Shri K K Mishra)
11.	Kriskem Industries, Ghaziabad	Shri V K Sharma
12.	Dept. of Post, Ministry of Communication, New Delhi	Smt Rupali Banerjee Singh Director (Estates & MM)
13.	National Institute of Science Communication and Information research, New Delhi	Shri Pankaj Gupta/ (Shri K B Nagpal)
14.	National Archives of India, New Delhi	Sh. Ram Swaroop Dr. SutapaChakravarty
15.	National Test House,	Shri A.S. Bansood Shri D. Saha
16.	Office of the Development Commissioner (MSME), New Delhi	DrJugalKishor/ (Ms Sunita Kumar)
17.	Western Printing Group, Survey of India, Delhi	Shri Bhagwan Singh Shri Equerar Ahmad

18.	All India Printing Ink Mfgs Association Ltd., Mumbai	Shri B B Sen Shri Shailendra Singh
19.	Sakata Inx (India) Ltd., New Delhi	Shri Reynold D'Souza Shri Sunil K Chhabra
20.	Shriram Institute for Industrial Research, Delhi	Dr. A.K. Tyagi Dr. Vinay Tyagi
21.	SICPA India Ltd., New Delhi	Shri ArunVig Shri A B Sachan
22.	In personal capacity	Dr R N Ghosh
23.	Kokuyo Camlin Limited , Mumbai	Shri Manik J. Salunkhe Mrs. Sayali Suraj Sarfare
24.	Toyo Ink India Pvt. Ltd. , Uttar Pradesh	Mr. K.S. Murthy
25.	The Hindu	Shri Sri Bala
26.	National Informatics Centre, Kolkata.	Nomination awaited
27.	Micro Ink India Ltd.	Shri Rajeev Ranjan Shri Sunil Maingi
28.	Security Printing & Minting Corpn. India Ltd., Delhi (SPMCIL)	Shri S. Mahapatra Dr. D K Rath
29.	In personal capacity	Shri PunanduSen
30	In personal capacity	Shri A.K Sinha, Ex-Director (Printing), Directorate of Printing
31.	Whale Stationery Products Ltd, Delhi	Shri Mukesh Gupta
32.	All India Print-Tech Professionals Forum, Chennai	Shri Partha Pratim Sanyal
33.	Siegwerk Inks, Bhiwadi	Shri Jatin Takkar Shri Neelakamal Mohapatra
34	Indian Institute of Packaging, New Delhi	Dr. Tanweer Alam

CHD 15 PAPER AND ITS PRODUCTS SECTIONAL COMMITTEE

Scope : a) To formulate Indian Standards for i) Terminology, methods of sampling and test, codes of practice and specifications for pulp, paper and paper board including raw material for paper, including cotton linters; ii) Paper sizes and grammage, sizes of periodicals and paper stationery materials; b) To co-ordinate with the work of ISO/TC 6

CHAIRMAN: Dr. B P Thapliyal, Director, Central Pulp & Paper Research Institute, Saharanpur

Sl. No.	NAME OF THE ORGANIZATION	Principal (Alternate) Member
1	Avantha Centre for Industrial Res. & Development, Yamuna Nagar (T)	Dr. Nishikant Bhardwaj
2	Ballarpur Industries Ltd, New Delhi (M)	Shri Shamim Ahmad (Shri V.V. Patharkar)
3	Central Pulp & Paper Research Institute, Saharanpur (T)	Ms Rita Tandon Dr.Sanjay Tyagi Shri Alok Kumar Goel
4	Central Revenues Control Laboratory, New Delhi (T)	Shri K C Agrawal (Shri Praful Prabhakar Dalal)
5	Century Pulp and Paper Mills, Distt. Nainital (M)	Shri Sanjay Kumar Yadav (Shri Sunesh Yadav)
6	Directorate of Printing, Min. of Urban Development, New Delhi (U)	Shri A.K. Bansal (Shri T.K. Manna)
7	DIPP, Min. of Commerce & Industry, New Delhi (O)	Shri H. M Rathi
8	Federation of Indian Agro Paper Mills (M)	Nomination Awaited
9	DRDO Metcalfe House, New Delhi (T)	Dr. D. N. Tripathi Dr. R.K. Tiwari
10	Federation of Paper Traders Association of India, Mumbai (U)	Shri Satya Pal Gupta (Shri Narottam Vyas)
11	Forest Research Institute, Dehradun (T)	Dr Vikas Rana (Dr. P.K. Gupta)
12	Government printing, West Bengal (U)	Nomination awaited
13	Indian Agro and Recycled Paper Mills Association, New Delhi (M)	Shri P.G. Mukundan (Dr. M. Patel)
14	Indian Institute of Packaging, Mumbai (T)	Shri N.C. Saha (Shri S.K. Sarkar)
15	Indian Institute of Technology, Roorkee (T)	Dr.Dharm Dutt

16	Indian Paper Manufacturers Association, New Delhi (M)	Mr. Biswaranjan Dash, Mr. Rohit Pandit
17	Indian Newsprint Manufacturers Association, New Delhi (U)	Shri Vijay Kumar (Shri H.K. Maheshwari)
18	Indian Pulp and Paper Technical Association, Saharanpur (T)	Shri Pawan Agrawal (Shri N.K. Garg)
19	Indian Recycled Paper Mills Association, New Delhi (M)	Shri R.C. Rastogi
20	JK Paper Ltd, N. Delhi (M)	Shri Mahesh Narayan Bhat
21	Kumarrappa National Handmade Paper Institute, Jaipur (T)	Shri Ashwini Sharma (Ms Saakshy)
22	Ministry of Defence (DGQA), N. Delhi (U)	Shri K L Tripathi (Shri C. Kujur)
23	Ministry of Railways, Railway Board, New Delhi (U)	Shri C. Ravindran
24	NCERT, New Delhi (U)	Shri Arun Chitkara
25	Pulp and Paper Research Institute, Jaykaypur, Orissa (T)	Shri S K Pradhan (Dr S P Singh)
26	Security Printing and Minting Corporation of India limited (U)	DGM (Paper), N. Delhi DGM (Tech), Hoshangabad
27	Seshasayee Paper & Boards Limited, Erode (M)	Shri A.K. Mehrotra (Dr. P. Marimuthu)
28	Shree Mangal (Trade) Enterprises (M)	Nomination awaited
29	Stationery Office, Govt. of India, Kolkata (U)	Shri Subir Kumar Mandal (Shri Jalis Ahmed) (Shri Swapan Kanti Ghosh)
30	Tamilnadu Newsprint and Papers Ltd, Tamilnadu (M)	Shri M. Rathnasami (Shri M.P.R. Perris)
31	Voluntary Organization in Interest of Consumer Education, N. Delhi (U)	Shri M.A.U. Khan (Shri H. Wadhwa)
32	Whale Stationery Products Ltd., New Delhi (M)	Shri Mukesh Gupta (Shri Gaurav Goel)

CHD 16 PAPER BASED PACKAGING SECTIONAL COMMITTEE

SCOPE:

- a) To formulate standards on terminology, methods of sampling and test, codes of practice and specifications for Paper & Paper board used for Packaging; Paper based packaging materials (converted and treated) like cartons, trays, sacks, bags, boxes, paper based Intermediate Bulk Containers, Metalized Paper & Paper based Aluminum foil and multi-layer laminates.
- b) To co-ordinate with the work of ISO/TC 6 Paper

CHAIRMAN: Prof Dr N.C.Saha, Director, Indian Institute of Packaging, Mumbai

Sl. No	Name of the Organization (See note 1)	Principal/Alternate Member
1	Avon Industries (M)	Nomination awaited
2	B&A Packaging(I) Ltd. Kolkata (M)	Shri Amal Kumar Mohanty
3	Bindal Papers (M)	Nomination awaited
4	CPPRI, Saharanpur(T)	Dr. B.P.Thapliyal
5	Dabur India Ltd.(U)	Nomination awaited
6	Devpriya Industries (M)	Nomination awaited
7	Dr Reddy laboratoriesn (U)	Nomination awaited
8	Expert in personal capacity (P)	Shri R.C. Rastogi
9	Federation of Corrugated Box Manufacturers of India, Mumbai(M)	Shri Satish Tyagi
10	Federation of paper convertors of India (M)	Shri Mukesh Gupta
11	Havells India (U)	Shri Sanjay Ghoshal Shri Deepak Rangi
12	International Print-o-pac (M)	Shri Sanghvi
13	Indian Institute of Technology, Roorkee (T)	Dr. Dharm Dutt
14	Indian Paper Manufacturers Association, New Delhi(M)	Mr. Biswaranjan Dash, Mr. Rohit Pandit
15	Indian Agro& Recycled Paper Mills Association, New Delhi(M)	Dr. M Patel Mr. P G Mukundan
16	ITC Life Sciences, Bangalore (U)	Shri Ajith Kumar

17	ITC, Bhadrachalam (M)	Shri Chidambaram Vinayagam Shri P.N. Sridharr
18	J K Paper (M)	Shri Mahesh Narayan Bhat
19	Kumar Printers (M)	Shri Sandeep Bhargava Shri Vinod Kaushik
20	Laxmi Papers (M)	Nominations awaited
21	Nestle India Ltd. (U)	Shri Varun
22	Patanjali Ayurveda (U)	Nominations awaited
23	Package Design Research and Test Lab, Moradabad(T)	Shri L.M. Gupta
24	Pragati Pack (India) Pvt. Ltd (M)	Nominations awaited
25	Prem Industries (M)	Nominations awaited
26	Samsung electronics (U)	Nomination awaited
27	Tetra Pak India Pvt. Ltd. (M)	Shri Pravin Mallik
28	Indian Institute of Packaging (T)	Dr Sanjay Chattopadhyay

CHD 17 LEATHER, TANNING MATERIALS AND ALLIED PRODUCTS

SCOPE

'To formulate Indian Standard for terminology, method of sampling and test, codes of practice and specification for leather, leather products (excluding leather footwear, transmission beltings, textile items, sports goods and caskets), tanning materials and allied products, leather machinery, tools and equipment for leather and leather goods industry (other than shoe makers hand tools and equipment) and assessment and grading of hides, skins and leather.'

Chairman, Dr. B Chandrasekaran, DIRECTOR, CLRI

Sl.No.	Organization Represented	Principal/(Alternate) Member
1	Central Leather Research Institute, Chennai	(Dr C Muralidharan)
2	A T C Chemicals India Private Limited, Chennai	Shri Subbarayan Govardhanan
3	A V Thomas Leather & Allied Products Private Limited, Chennai	Shri D Raja Babu/ (Shri V Ranganathan)
4	All India Skins & Hide Tanners and Merchants Association, Chennai	Shri Mohan M. Sreenivas/ (Shri S Mohammed Hassan)
5	BASF India Limited, Mumbai	Shri Kanak Dey/ Shri Raman Sampath Kumaran
6	Bata India Limited, Bihar	Nomination Awaited
7	Central Footwear Training Institute, Chennai	Shri K Murali
8	Central Pollution Control Board , Delhi	Shri U N Singh/ (Nazim Uddin)
9	Govt. College of Engg. And Leather Technology, Kolkata	Shri Sanjoy Chakraborty/ Dr. Goutam Mukherjee
10	Council of Leather Exports, Chennai	Shri K. Srinivasan, Managing Director of Prime International (India) Pvt. Ltd., Chennai
11	Department of Industrial Policy and Promotion, New Delhi	Shri Shaish Kumar/ (Shri Nandlal)
12	Directorate General of Quality Assurance, Kanpur	Shri G C Kannaujia/ (Shri S Chakraborty)
13	FDDI, Chennai	Es. Ezhil Arasu/Vikas Verma
14	Indian Finished Leather Manufacturers & Exporters Association, Chennai	Shri N Shafeeq Ahmed/ Shri P K Aslam Basha/

15	Indian Leather Products Association, Kolkata	Shri Shankar Dawan
16	Indian Leather Technologist Association, Kolkata	Shri Arnab Jha/ (Dr Gautam Mukherjee)
17	Indian Shoe Federation, Chennai	(Shri Abhijit Seth)
18	Khadi & Village Industries Commission, Mumbai	Shri S S Sil/ (Shri M L Masur)
19	Kings International Limited, Kanpur	Shri Taj Alam/ (Shri G S Kumaran)
20	Leather Chemicals Manufacturers Association, Mumbai	Shri B D Bhadiya/ Shri R Kumaresan
21	In personal capacity, Chennai	Dr S Sadulla
22	National Institute Of Fashion Technology, New Delhi	Shri E Sivasakthi Dr M. Aravendhan
23	Office Of The Development Commissioner, New Delhi	Director (Leather)
24	Niti Aayog, New Delhi	Shri Chandan Saha
25	SGS India Private Limited, Gurgaon	Shri M Gopu/Shri G Muthukumar
26	Tata International Limited, Chennai	Nomination Awaited
27	The CONCERT Trust, Chennai	Shri S Komandur Srinath/ (Shri R Desikan)
28	UP Leather Industry Association, Agra	Shri Imran Siddiqui
29	In personal capacity	Shri O K Kaul
30	Reagent leather services, Chennai	Shri Niaz Ahmed
31	In personal capacity	Shri Ganesh Jeevan

CHD 19, FOOTWEAR

'To formulate Indian Standard for terminology, sizes and fittings, method of sampling and test, code of practice and specification for footwear, footwear components, footwear lasts and related items and shoe makers' tools and equipment (other than those common to general engineering uses)'

Chairman, Dr. B N Das, Principal Scientist, CLRI

Sl. No.	Organization	Principal/Alternate Member
1	Arvind Footwear Pvt. Ltd., Ahmednagar	Shri Dilip Borkar
2	Atharva Labs, Noida	Aparna Parvatikar/V B Parvatikar
3	Ambuja Cements, Mumbai	Shri Piyush B Jain
4	Bata India Limited, Kolkata	Shri Pushpendu Jha/Shri Prabir Ghosh
5	Bihar Rubber Company Limited, Ranchi (M)	Shri J Basak/ (Shri Jayanta Lahiri)
6	Border Security Force, New Delhi	Shri K L Shah/Shri Prem Vishwas
7	Bureau of Police Research and Development, Delhi	Shri Jagir Chand
8	Central Footwear Training Institute, Agra	Shri Sanatan Sahoo/Shri S K Bhatia
9	Central Institute of Mining & Fuel Research, Dhanbad	Dr. J K Pandey
10	Central Leather Research Institute, Chennai	Dr. R Mohan/Shri Sathya Raj
11	Central Reserve Police Force, New Delhi	Randhir Kumar Jha (Deputy Commander)
12	Department of Industrial Policy & Promotion, New Delhi	Shri Nand Lal
13	Directorate General of Mines Safety, Dhanbad	Director (MSE)/Dy. Director (MSE)
14	Directorate General Aeronautical Quality Assurance, New Delhi(O)	Shri Satyananda Swain/Wing Cdr G S Ghatti
15	Directorate General For Quality Assurance, Kanpur	Shri S Chakraborty/Shri Sanjay Verma
16	Directorate General of Supplies and Disposals, New Delhi	Nominations awaited
17	Directorate General of Factory Advice Service and Labour Institute, Mumbai	Dr. Brij Mohan Smt M.K. Mandre
18	DOW India Ltd.	Nomination awaited

19	Footwear Design & Development Institute, Noida	Shri Shailendar Saxena/Shri Navendu Shekhar
20	In personal capacity	Aditya Prakash Sharma
21	Indian Footwear Component Manufacturer's Association, Noida	Shri Vipin Seth/ (Shri S K Verma)
22	Indian Shoes Federation	Shri Aqueel Ahmed
23	Intertek India Pvt. Ltd., Gurgaon	Smt. Rashmi Asthana
24	Jasch Industries Ltd.	Nomination awaited
25	Khadim Chain Stores Limited, Kolkata	Shri Sourav Bhattacharyya/Shri Devapriya Sudipta Samanta
26	Larsen & Toubro Pvt. Ltd., Delhi	Nomination Awaited
27	Liberty Shoes Limited, Karnal (M)	Shri Adesh Gupta/ (Shri S SLahiri)
28	M. B. Rubber Private Limited	Shri Vipin Mehta/ Dr P S Bhattacharya
29	Mayur Leather Products Ltd.	Shri Shailender Ku Neogi/Shri Akhilesh Poddar
30	National Institute of Fashion Technology, Delhi	Dr. E Sivasakthi
31	ONGC Delhi	Nomination Awaited
32	Prolific Engineers, Noida	Shri G P Kedia
33	Railway Board, Indian Railways, New Delhi	DG Chairman
34	Sports Authority of India	Shri Sanjeev Sharma/Shri H L Mina
35	Stahl Chemical Solutions	Nomination Awaited
36	Steel Authority of India Limited, Bhilai	Shri V K Agarwal/ (Shri A K Saha)
37	Top Lasts	Nomination Awaited
38	Unifab India	Nomination Awaited
39	XO Footwear, Delhi	Shri Nitin Gupta/Shri Nalin Gupa

CHD 20 PAINTS, VARNISHES AND RELATED PRODUCTS

SCOPE

“

Liaison : ISO TC- 35 (P): *Paints & Varnishes* ;ISO TC- 9 SC- 9 (P): *General test methods for paints & varnishes* ;ISO TC- 12 SC- 12 (O): *Preparation of steel substrates before application of paints & related products* ;ISO TC- 12 SC- 12 (O): *Preparation of steel substrates before application of paints & related products* ;

Scope : a) To formulate Indian Standards for terminology, methods of sampling and tests, codes of practice and specifications on paints (including industrial paints - inorganic, organic, hybrid), varnishes and related. b) To coordinate with ISO/TC 35

CHAIRMAN: Dr. Sunil Kumar Saha (Ex Director), in personal capacity

Sl. No.	Organisation Represented	Principal/(Alternate) Member
1.	Akzo Nobel Coatings India Pvt. Ltd	Shri Kaustav Chatterjee
2.	Automobile Industries Association	Nomination awaited
3.	Asian Paints Ltd., Mumbai	Dr. B. P. Malik
4.	Berger Paints India Ltd., Howrah	Shri Tapan Kumar Dhar (Shri Swagata Chakroborty)
5.	Bharat Heavy Electricals Ltd., Tiruchirapalli	Shri K Srinivasan (Shri V Rajeshkharan)
6.	Central Building Research Institute, Roorke	Dr.Sukhdeo R.Karade (Dr. P. C. Thapliyal)
7.	Central Public Works Dept., New Delhi,	Shri Amar Singh / (Shri M L Prasad)
8.	Clariant Chemicals (India) Ltd.,Thane	Shri Nitin Vaidya (Shri Umesh Kapoor)
9.	Consumer Unity & Turst Society (CUTS), Jaipur	Ms Keya Ghosh (Shri Vijay Singh)
10.	VOICE (O)	Nomination awaited
11.	Directorate of Naval Architecture	Nomination awaited
12.	Engineers India Limited, New Delhi	Shri S Ghoshal (Shri A. Satya Sridhar)
13.	Harcourt Butler Technological Institute, Kanpur	Dr. P K Kamani (Dr. Arun Maithani)
14.	Indian Institute of Chem. Technology, Mumbai	Dr.Prakash Anna Mahanwar/ (Dr.V. V. Shertukade)
15.	Indian Institute of Technology, Mumbai	Dr. A. S. Khanna
16.	Indian Paints Association, Kolkata	Shri Subroto Banerjee (Dr M B Guha)

17.	Indian Small Scale Paint Association	Shri Mukund Hulvalkar Shri Ashok-Shreyas Pathare (Shri Nirav Raveshia)
18.	In Personal Capacity	Shri Dharendra Kumar
19.	J K White Cement	Shri K N Pandey Shri D D Purohit
20.	Kansai Nerolac Paints Ltd., Mumbai	Dr. D.Satpute (Shri Manoj Somani)
21.	Meta-Chem Paints & Adhesives Pvt. Ltd.	Shri Biswanath Panja (Shri Hemant Kulkarni)
22.	Ministry of Defence (DGQA), Pune	Dr.R K Upadhyay (Shri S P Marthi)
23.	Ministry of Industry, New Delhi	Shri Nand Lal
24.	Ministry of Defence, Department of Standardization, New Delhi	Lt. Col Praveen Deo (Shri V.K.Chhabra)
25.	National Test House (ER), Kolkata	Smt. P. Natarajan Dr. A B Mondal
26.	Naval Materials Research Laboratory (NMRL), Thane	Dr. T K Mahato (Dr G Gunasekaran)
27.	Office of the Micro Small & Medium Enterprises (MSME), New Delhi	Dr.R K Bharti (Shri Harpreet Singh)
28.	Paint and Coating Technologists Association, Kanpur	Shri V. N. Dubey
29.	Pidilite Industries Ltd., Mumbai	Shri Tapas Kumar Ray (Dr. Pradeep T.Gadekar)
30.	Premium Coatings & Chemicals	Nomination awaited
31.	Research Designs & Standards Organization, Lucknow	Shri P K Bala (Shri K P Singh)
32.	Shalimar Paints Ltd., Kolkata	Shri Konar Muthu
33.	Shriram Institute for Indl. Research, Delhi	(Shri A. K. Majumdar)
34.	SSPC India Chapter, Kolkata	Dr.Buddhadeb Duari (Shri Anil Singh)
35.	The Shipping Corporation of India Ltd., Mumbai	Shri R. Sood (Shri N.K.Tripathi)

CHD 21 RAW MATERIALS FOR PAINTS, VARNISHES AND RELATED PRODUCTS

Scope : a) To formulate Indian standards for terminology, method of sampling and tests, code of practice and specification for raw materials for paints, varnishes and related products. b) To coordinate with work of ISO/TC 256

CHAIRMAN: Prof. A.S. Khanna, Department of Metallurgical Engineering, IIT, Powai, Mumbai (Retd.)

Sl. No.	Organization Represented	Principal / (Alternate)
1	Harcourt Butler Technological Institute, Kanpur (T)	Dr. P K Kamani (Dr. Arun Maithani)
2	Aditya Birla (M)	Dr. P S Samant
3	Asian Paints Ltd., Mumbai (U)	Dr. Raja Krishnamurthy (Dr. Randhir Parmar)
4	Akzo Nobel India, Thane (M)	Shri Dharendra Kumar (Shri Kaustav Chatterjee)
5	Atul Limited (M)	Shri Jayesh N Patel
6	Berger Paints India Limited, Kolkata (M)	Dr. T K Dhar Shri Swagata Chakraborty
7	BASF India Ltd., Mumbai (M)	Shri V. Selva Kumar (Shri Kirit Doshi)
8	Bayer Material Science (M)	Nomination awaited
9	Clariant Chemicals (India) Ltd., New Delhi (M)	Shri Nitin Vaidya (Shri Umesh Kapoor)
10	English Indian Clays Ltd., Kerala (M)	Shri S. V. Kamalesh
11	Heubach India, Mumbai (M)	Shri J I Sevak
12	Hempel Paints India Pvt. Ltd., R&D centre, Nashik (M)	Shri Keyur Shah
13	Hindustan Zinc Limited, Delhi (M)	Priya Chauhan
14	M/s Huntsman (M)	Shri Ravindra Mukavar
15	ICT, Mumbai (T)	Prof. Sabnis (Prof. Mehanuvar)
16	Indian Paint and Coating Association, New Delhi (M)	Shri Ashvini Mehra (Shri D Batra)
17	Indian lead zinc development association, New Delhi (M)	Shri K. Sridhar
18	Indian Small Scale Paint Association (U)	Shri Mukund Hulyalkar

19	Indian Institute of Chem. Technology, Hyderabad (T)	Dr Ramanuj Narayen Dr Pratyay Basak
20	Institute of science and technology for advanced studies and research (ISTAR) (T)	Dr. Kalpesh Patel
21	Indian Resin Manufacturer Association (M)	Nomination awaited
22	Kansai Nerolac Paints Ltd., Mumbai (U)	Shri Amrit Rekhi
23	National Test House, Ghaziabad (T)	Nomination awaited
24	Office of Micro, Small & Medium Enterprises, N. Delhi (O)	Shri Sunil Kumar Newar Shri Santosh Kumar
25	Research Designs & Standards Organization, Lucknow (T)	Nomination awaited
26	Shalimar Paints Limited (M)	Shri Girish Mehendale
27	Shriram Institute of Industrial Research. (M)	Shri A K Majumdar
28	SSPC India Chapter	Dr. Buddhadeb Duari
29	20 Microns Limited, Mumbai (M)	Dr. Anil Bansal
30	Transpek Industry Limited, Vadodara (M)	Shri Anil Bajpai
31	University Institute of Chemical Technogy, Jalgaon (T)	Prof. Ravindra Puri
32	Vapi Oxide Colours Pvt. Ltd. (VOXCO), Vapi (M)	Shri Ishan Raveshia
33	VOICE (O)	Nomination awaited

CHD 23, LAC, LAC PRODUCTS AND BRUSHWARE

SCOPE

Scope :To formulate Indian Standards for terminology; methods of sampling and test; codes of practice; guidelines and specifications for the following: a) Various types of brushes including industrial, domestic, personal care and hygiene, civil applications and filling materials. b) Lac, lac products, polishes, related products and their raw materials.

Chairman, Dr. K K Sharma, Director, Indian Institute of Natural Resins & Gums, Ranchi

SI No	NAME OF THE ORGANISATION	Principal/Alternate Member
1	Indian Institute of Natural Resins and Gums, Ranchi	Dr. K.K Sharma (Chairman), Dr Sanjay Srivastava
2	Border Security Force, New Delhi	Shri Bijay Lakra (Shri Hans Raj)
3	Central Leather Research Institute, Chennai	Dr T Narasimhaswamy Dr S N Jaisankar
4	Consumer Council of India, Chennai	Awaited
5	Controllarate of Quality Assurance, Kanpur	Dr. K C Gupta Smt Kiran Mishra Shri Atul Kumar Srivastava, Shri Kanchan Khare
6	Central Reserve Police Force, New Delhi	Shri L. R. Sidhra (Shri S. M. H. Asgher)
7	Chemshel Enterprises Pvt. Ltd. Purulia, (WB)	Shri Vivek Kataruka (Smt AlkaKataruka)
8	Dept. Of Industrial Policy & Promotion, New Delhi	Shri P. K. Jain (Shri N. C. Tiwari)
9	Directorate of Marketing and Inspection, Faridabad	Dr. S.C.Khurana (Shri R.K.Meena)
10	Dte General of Supplies & Disposal, Mumbai	ADG(QA), Shri P. Jayakumaran (Shri N. K. Upadhyay)
11	Govt. of India Stationery Office, Kolkata	Shri R. K. Roy (Shri A. Bandopadhyay/Shri Jalish Ahmed)
12	Indo Tibetan Borla Force	Nomination awaited
13	Prem Industries, Mumbai	Nomination awaited
14	National Test House (NR), Ghaziabad	Shri Y.C. Nijhawan (Shri Manas Chakraborti), Dr. I. N. Mukherjee (Dr. P. Kanjilal)
15	Pidilite Industries Ltd.	Awaited
16	Reckitt & Benckiser India Ltd., Kolkata	Shri Rajiv Khurana
17	Renshel Export Pvt Ltd, Kolkata	Shri Suraj Singhanian (Shri Rohit

		Singhanian)
18	Shellac and Forest Products Export Promotion Council, Kolkata	Shri Ashish Gajanan Agrawal (Dr. Debjani Roy)
19	Shalimar Paints Ltd.	Awaited
20	Shriram Institute for Industrial Research, Delhi	Dr. P. K. Kaicker (Shri A. K. Majumdar)
21	Tajna Shellac Pvt. Ltd., Kolkata	Shri Roshan Lal Sharma
22	The Jharkhand State Co-op. Lac Marketing & Procurement Fed. Ltd., Ranchi	Shri Jeevendra Kumar (Shri Kumar Devendra Singh)
23	The Waxpol Industries Ltd., Kolkata	Shri R. N. Ganguly (Shri Rabindra Nath Kandu)
24	Tribal Co-Operative Mktg. Development Federation of India Ltd., Delhi	Shri Sudhir Kumar Gullaiya (Shri Siddhartha Sankar Maiti)
25	Indian Transformer Manufacturers Association	Nomination awaited
26	Furniture Market Association, New Delhi	Shri Jitendra Pahuja
27	National Bamboo Mission	Nomination awaited

CHD 25 SOAPS AND OTHER SURFACE ACTIVE AGENTS

Scope : a) To formulate Indian Standards for terminology, methods of sampling and test and specifications for soaps; other surface active agents including non-soapy detergents, wetting agents, emulsifying agents, including formulated and speciality products and glycerine

To co-ordinate with the work of ISO/TC 91 Surface Active Agents

Chairman: Prof. Rakesh Trivedi, Harcourt Butler Technological University.

SI No .	NAME OF THE ORGANISATION	Principal/Alternate Member
1	Drugs Controller General of India, New Delhi (O)	Shri Sudipta Dey
2	Central Pollution Control Board, New Delhi (O)	Dr. M. Q. Ansari/ Dr. Rekha L Sitasawad
3	Colgate-Palmolive (India) Ltd., Mumbai (M)	Manas V Vyas Dr. Purushottam Jadhav
4	Consumer Guidance Society of India, Mumbai (U)	Dr. Sitaram Dixit/ Shri B V Desai
5	Directorate General of Health Services, New Delhi (O)	Nomination awaited
6	Department of Industrial Policy & Promotion, M/o Commerce & Industry, New Delhi (O)	Shri Nandalal/ Shri N. C. Tiwari
7	Directorate General of Supplies & Disposals, New Delhi (U)	Shri N K Kaushal/ Shri A K M Kashyap
8	FASSSDMI, Delhi (M)	Shri Aseem Galhotra / Shri Ashok Kumar
9	Fena (P) Ltd., New Delhi (M)	Benny G Jacob

10	Godrej Consumers Products Ltd., Mumbai (M)	Rupinder Kaur Rawat Venkateswara Yadlapalli
11	Harcourt Butler Technological Institute, Kanpur , (T)	Dr. V. K. Tyagi Dr. PKS Yadav
12	Hindustan Unilever Ltd., Mumbai (M)	Dr. A. Sivakumar/ Ms Vrinda Rajwade
13	ITC Ltd., Bangalore (M)	Dr. Venugopal Vijayakrishnan Dr. Dr. Gurubasavaraja KM
14	K.S.Krishnan Associates (P) Ltd. , NOIDA (M)	Shri S. Krishnan / Shri Krishna Murthy
15	Khadi & Village Industries Commission, Mumbai (O)	Dr. R.K Dhanija
16	Ministry of Defence (DGQA), Controllerate of Quality Assurance Kanpur (O)	Dr. Gurbachansingh Dr. S.S. Pandey
17	Ministry of Micro Small & Medium Enterprises (MSME), New Delhi (O)	Shri H. S. Bisht
18	National Test House, Ghaziabad (T)	Shri S.K Agrawal/ Dr. Mrs. M Mishra
19	Nirma Ltd. , Ahmedabad (M)	Shri H. K. Patel Shri Ashish K. Desai
20	Oil Technologist Association of India, Kanpur (M)	Mr. Ashok Mahindru Sri H P Saxena
21	Procter & Gamble India, Mumbai (M)	Sivakumar Thanigachalam Rahul Tyagi
22	Reckitt Benckiser India Ltd., Gurgaon (M)	Shri Brij Mohan Singh Dr Pooja Sharma
23	VOICE (U)	Shri M.A.U. Khan Shri B.K. Mukhopadhaya
24	Personal Capacity	Shri M Mitra, (Ex. DGQS)
25	Personal Capacity	Dr. A N Bhatt

CHD 26, EXPLOSIVES AND PYROTECHNICS

SCOPE

To formulate Indian Standards for terminology, methods of sampling and test, packaging, codes of practice and specifications for commercial explosives and their accessories, pyrotechnics and fireworks preparations, safety matches and their raw materials.

COMPOSITION

Shri M K Jhala, Chief Controller of Explosives, PESO

Sl. No.	Organization Represented	Principal/Alternate Member
1	Chief Controller of Explosives, Petroleum and Explosives Safety Organization (PESO), Nagpur	Shri N T Sahu/Shri Rajnish Piplani
2	M/s Arumugam Fireworks Pvt. Ltd., Sivakasi	Shri K Mariappan/Shri ArunLalith
3	Central Mine Planning and Design Institute Ltd., Ranchi	Shri Binay Kumar Singh
4	Central Institute of Mining and Fuel Research, Dhanbad	Shri R R Singh/Shri C Sawmliana
5	Central Pollution Control Board, New Delhi	Nomination Awaited
6	M/s CDET Explosives Industries Pvt. Ltd., Nagpur	Shri RaghavRathi/Shri SaumitraRathi
7	Coal India Ltd., Kolkata	Shri M. Islam
8	Consumer Guidance Society of India	Shri Sitaram Dixit/Dr. M S Kamath
9	Directorate of Standardization, New Delhi	Secretary, ASSC/JD (STD)
10	Departmental Testing Station, PESO, Nagpur	Shri R A Gujar
11	Defence Standardization Cell (DRDO), Ministry of Defence, New Delhi	Dr. H L Yadav/Ms. Hemlata Gautam
12	Ayyan Fireworks manufacturers' Association, Sivakasi	Shri G Abiruben
13	Directorate General of Mines Safety,	Shri C Ramesh Kumar/Shri Supriyo

	Dhanbad	Chakraborty
14	ENif Paper Products Pvt. Ltd.	Shri Manan Desai
15	Firework Manufacturer Association (North India), Gwalior	Shri Harish Milwani/Shri Rajeev Jain
16	Fireworks Research & Development Centre, Sivakasi	Shri Janardhan Kumar
17	Hariwansh Packaging Pvt. Ltd.	Shri Vijay Murarka
18	Gulf Oil Corporation Ltd., Hyderabad	Dr. R Sundararajan
19	Gudiya Fireworks, Delhi	Nomination Awaited
20	High Energy Materials Research Laboratory, Pune	Shri P R Arya/Shri M P Kulkarni
21	IDL Industries Ltd.	Shri N. Vidyasagar
22	Ideal Wrappers, Nagpur	Shri Kishore Junhers
23	Ministry of Defence (DGQA), New Delhi	Shri R K Ramteke/Dr. R N Aparajit
24	Ministry of Defence, Ordnance Factory, Bhandara	Shri V K Srivastava/Dr. Onkar Mondhe
25	M/s Solar Industries India Ltd., Nagpur	Shri R K Guha/Shri A K Jain
	Neyveli Lignite Corporation Ltd.	Shri M Muthukumaran
26	Shri Kaliswari Fireworks, Sivakasi	Shri A P Selvarajan
27	Standard Fireworks, Sivakasi	Shri M S Saravanan
28	The All Indian Chamber of Match Industries, Sivakasi	The President/The Secretary
29	The Coronation Fireworks Factory, Sivakasi	Shri P Kanagavel/Shri K Jeyakumar
30	The Metal Powder Co. Ltd., Thirumangalam	Shri P Sundarapandian/Shri N. Chandrasekaran
31	The Singareni Collieries Co. Ltd. Kothagudem	Shri S N Siva Kumar
32	The Tamil Nadu Fireworks and Amorges Manufacturers' Association, Sivakasi	The President/The Secretary
33	The Indian Fireworks Manufacturers' Association, Sivakasi	Shri T Kannan Secretary

34	WE TWO Fireworks, Sivakasi	Shri G V ShyamSundar
35	Yogeshwar Packers, Nagpur	Shri Y.K. Yadav

CHD 27, THERMAL INSULATION

Scope : To formulate Indian Standards for terminology; methods of sampling and test; code of practice including decommissioning and disposals aspects of thermal insulating materials; specification for thermal insulation materials and cellular insulations (excluding cork and lingocellulosic materials)

Chairman : Dr. N Gopalakrishnan, Director, CSIR-CBRI

Sl. No	Organization	Representative
1.	Armacell India	Shadab Ahmed/Sudarshan K S
2.	Bakelite Hylam Ltd. Secunderabad	NPS Shinh/Madan Gopal
3.	Berger Paints India ltd.	Nirmalya Kumar/Barun Sanki
4.	Bharat Heavy Electricals Ltd, Trichy	N Selvaraj/Bhaskar Sundriyal
5.	Bureau of Energy Efficiency, New Delhi	Awaited
6.	CBRI, Roorkee	Dr Ashok Kumar/ Dr B M Suman
7.	Central Electricity Authority, New Delhi	Awaited
8.	Central Institute of Plastics Engineering and Technology, Chennai	Dr. K P Bhuvana/N Karthikeyan
9.	CII	Awaited
10.	Department of Industrial Policy and Promotion	N C Tiwari/S K Jain
11.	Engineers India Ltd, New Delhi	Mohd. Ismaeel/ Prasenjit Saha
12.	Hyderabad Industries Ltd., Faridabad	A Katoch
13.	Indian Green Building Council, Noida	Awaited
14.	In personal capacity	P P Lahiri
15.	Indian Oil Corporation Ltd (R&D Centre)	Awaited
16.	Institute of Technology, Nirma University	Dr Vikas J Lakhera
17.	Jamshedpur Mineralwool manufacturing co. pvt. ltd	Mayank Shrivastava/Kisalay Kumar
18.	Lloyd Insulation (I) Ltd.	K K Mitra/ Jitendra Kumar Jain
19.	MECON Ltd., Ranchi	K K Mishra/Ashish Kumar Bairagi
20.	Ministry of New and Renewable Energy	Awaited
21.	Minwool Rock Fibres Ltd, Hyderabad	R K Badruka/Chaitanya Badruka
22.	National Dairy Development Board, New Delhi	Awaited

23.	National Fire Safety College	Awaited
24.	National Physical Laboratory, New Delhi	Awaited
25.	Newkem Products Corporation	Nimish V Sura/Norman D'souza
26.	NGP Industries Ltd.	T R N Murthy/ Vatsal Vardhan
27.	National Thermal Power Corporation	Sudarshan Chakrabarti/Rakesh Kumar
28.	Nuclear Power Corporation of India Ltd	Atul Bhandakkar/Devendra Kumar Jain
29.	PIBCO ltd	Punit Kumar/Sunil Jain
30.	Polybond Projects Pvt. Ltd	Umesh Chitlangia/Rahul Chitlangia
31.	Project & Development India Ltd., Sindri	P Chakraborti/D Maji
32.	Reliance Industries Ltd, Mumbai	Dr. U K Swaroop/Rashmi Palande
33.	RDSO, Lucknow	P K Bala/ S R Shisodia
34.	Rockwool India Pvt. Ltd	Anil Kumar Mishra/Mark Westermayer
35.	Roxul Rockwool Technical Insulation (I) pvt. ltd	Debapratim Dinda/Vinay Pratap Singh
36.	Shriram Institute for Industrial Research	Dr Geeta Seshadri/ Dr. D S Chatterjee
37.	TCE Ltd, Chennai	V Sreenivasan/R V Seshagiri
38.	U P Twiga Fibreglass, New Delhi	Indrajit Bhattacharya/ Biswajit Roy

CHD 30, NUCLEAR ENERGY FOR PEACEFUL APPLICATION

SCOPE

a) To formulate Indian Standards for Nuclear Energy (for peaceful applications), for terminology, units and symbols, specifications in the field such as:

- Materials for nuclear services (radioactive & non-radioactive), methods of sampling and test for physical, chemical and isotopic analysis of various materials, Specifications for nuclear grade chemicals.
- Radiological protection - specifications for personal protective equipments, individual monitoring, area & personal monitoring devices & their calibration.
- Nuclear energy including nuclear fuel cycle & technology, reactor technology & technology related to application of **ionizing** radiations.
- Safety and environment surveillance **in all the plants using and/or producing ionizing radiations.**

Chairman, Dr. Shaju K Albert, IGCAR

Sl No	Organization Represented	Principal/ (Alternate) Member
1	Atomic Energy Regulatory Board,Mumbai	Sh.S. K. Pawar
2	Atomic Mineral Directorate, Hyderabad	Additional Director (R & D) Head, Chemistry Group
3	Bhabha Atomic Research Centre (Environment Division),Mumbai	Dr.(Ms.)G.G.Pandit (ShriS.K.Sahu)
4	Bhabha Atomic Research Centre (Radiochemistry &Isotope Group)Mumbai	Dr.S.Mukherjee (Dr.RaghvendraTewari)
5	Bharat Heavy Electricals Limited,Trichy	Shri A Sundararajan, AGM/ M Arun Sr. Engineer (ATP/Engg)
6	Board of Radiation and Isotope Technology(BRIT),Navi Mumbai	Dr Ganesh G/ Shri PiyushShrivastava
7	Defence Research & Development Organisation, Jodhpur	
8	Nuclear Fuel Complex, Hyderabad	Dr.B.N.Murthy (ShriY.BalajiRao)
9	Electronics Corporation of India Ltd., Hyderabad	ShriP.Sudhakar (Shri P C Swain)
10	Heavy Water Board, Mumbai	Shri C. Mohapatra, 022-25486537 Ms AnanyaVerma

11	Indian Institute of Technology, Kanpur	Awaited
12	Indian Rare Earths Ltd, Mumbai	Shri D Singh/ Dr.B.R.Mishra
13	Indira Gandhi Centre for Atomic Research, Kalpakkam	Dr.B.Venkataraman Dr. K Sankaran
14	In personal Capacity	Dr K Nagarajan
15	InPersonalCapacity	ShriS.P.Aggarwal
16	Larsen and Turbo Ltd ,Mumbai	Shri Vikram Sehgal (ShriAnilParab)
17	Ministry of Defence (DGQA), Pune	Lt.Col Pankaj Ahuja Lt Col AmanSodhi
18	Nuclear Power Corporation of India Ltd., Nabhikiya UrjaBhavan, Anushakti nagar, Mumbai,	ShriBhaskarPandit
19	Indian Nuclear Society (INS), Mumbai	Nomination Awaited
20	Tata Memorial Centre, Mumbai	Dr.R.Jalali
21	The Energy & Resources Institute, NewDelhi	Awaited
22	Uranium Corporation of India Ltd., Jharkhand	Dr. AK Sarangi General Manager (Corp. Plng.) Uranium Corporation of India Ltd. Jaduguda, Jharkhand - 832102 Tel: 91 657 2730537 (O), 2730392 (R), Cell: 94315 44687
23	Min. of Defence (Institute of Nuclear Medicine and Allied Sciences), New Delhi	Dr.Aruna Kaushik Scientist E, Shri Pradeep Goswami Scientist D Shri Sukhvir Singh, Scientist-D

CHD 32 Environment protection and waste management ,

Scope

To formulate Indian Standards on

- i) Terminology, methods of sampling and characterization of soil
- ii) Codes of Practices and Guidelines on reduction, recycling, reuse, treatment and disposal of wastes (other than solid wastes);
- iii) Characterization and classification of wastes (other than solid wastes),
- iv) Guidelines and Codes of Practices for control of pollution

CHAIRMAN, Dr. Rakesh Kumar, Director, NEERI

NAME OF THE ORGANISATION	REPRESENTED BY
1National Environmental Engineering Research Institute , Nagpur	The Director CHAIRMAN
2Avantha Centre for Industrial Research and Development , Yamuna Nagar	Dr.Nishi Kant Bhardwaj Dr.Sunil Kumar (Alternate)
3Bhabha Atomic Research Centre , Mumbai	Dr (Smt) G.G. Pandit Dr.S.K.Sahu (Alternate)
4Bharat Heavy Electricals Limited , Haridwar	Dr. S Bhatnagar Shri Ambrish Goel (Alternate)
5Cement Manufacturers Association , New Delhi	Dr. K.C. Narang Dr.K.V.Reddy (Alternate)
6Central Institute of Mining and Fuel Research, , Dhanbad	Dr. Ramesh Chandra Tripathi Nishant Kumar Srivastava (Alternate)
7Central Leather Research Institute , Chennai	Dr. G.Sekaran Shri E Ravindranath (Alternate)
8Central Pollution Control Board , Delhi	Shri J.S.Kamyotra Dr. C.S. Sharma (Alternate)
9Confederation of Indian Industry, , New Delhi	Mrs. Seema Arora Shri Kamal Sharma (Alternate)
10 Crop Care Federation of India, , New Delhi	Shri P.N. Parmeshawaran
11 Engineers India Limited, , New Delhi	Shri R.S.Prasad Shri Vikram Singh (Alternate)
12 Envirotech Instruments Pvt Ltd, , New Delhi	Shri Rakesh Agarwal
13 Federation of Indian Chambers of Commerce and Industry, , New Delhi	Miss Archana Datta

14	Hindustan Unilever Limited , Mumbai	Shri Sanjay Harlaka
15	Indian Centre for Plastics in the Environment , Mumbai	Shri T K Bandopadhyay Shri Gopal Jha (Alternate)
16	Indian Chemical Council , Mumbai	Dr.N.J.Singh Shri A.A. Panjwani (Alternate)
17	Indian Council for Agriculture Research. , New Delhi	Dr. R.C. Maheshwari
18	Indian Institute of Technology, Delhi , New Delhi	Dr Mukesh Khare Dr Atul Mittal (Alternate)
19	Indian Institute of Toxicology Research (formerly ITRC) , Lucknow	Dr. S C Barman Dr.Altaf Husain Khan (Alternate)
20	Indian Oil Corporation Ltd, , Faridabad	Shri Ravi Prakash Gupta Dr. Manoj Kumar (Alternate)
21	Maharashtra State Pollution Control Board , Mumbai	Dr.Amar R Supate Dr.Y B Sontakke (Alternate)
22	Ministry of Defence, DRDO , New Delhi	Shri J.C. Kapoor Smt Meenakshi Gupta (Alternate)
23	Ministry of Environment and Forest ,	Dr.M.Subba Rao
24	Ministry of New and Renewable Energy , New Delhi	Shri Vinod Kumar Jain
25	Ministry of Urban Development, Government of India , New Delhi	Shri Udit Ratna Shri R.S.Meena (Alternate)
26	National Council for Cement & Building Material , New Delhi	Dr. N.K.Tiwary Shri M.Selvarajan (Alternate)
27	National Environmental Engineering Research Institute , Nagpur	Awaited Dr Tapas Nandy (Alternate)
28	NTPC Limited , New Delhi	Dr.S.K.Jain Dr Sudhir Dahiya (Alternate)
29	Reliance Industries Ltd., , Mumbai	Dr. Nitin Joshi Ms. Nandini Kulkarni (Alternate)
30	Steel Authority of India Ltd (A Govt of India Enterprise) , New Delhi	Shri Sunil Singal Mrs Rakhi Sen (Alternate)
31	The Energy and Resources Institute , New Delhi	Col. R.K. Johri(Retd) Dr Suneel Pandey (Alternate)
32	The Fertilizer Association of India , New Delhi	Shri B. Krishnappa

Shri Manish Goswami (Alternate)

CHD 33 Solid Waste Management Sectional Committee

SCOPE

Liaison : ISO TC- 275 (P): *Sludge recovery, recycling, treatment and disposal* ;ISO TC- (P): *Waste management, recycling and road operation service* ;ISO TC- (P): *Waste management, recycling and road operation service* ;

To formulate Indian Standards on i) Specifications, Terminology, methods of sampling and characterization of solid waste (Excluding Bio- Medical & Nuclear Waste), ii) Codes of Practices on reduction, recycling, reuse and treatment of Solid wastes (Excluding Bio-Medical & Nuclear Waste), iii) Guidelines and codes of practice for Solid waste disposal (Excluding Bio-Medical & Nuclear Waste)

CHAIRMAN, DR. ANURADHA SHUKLA, CRRI

NAME OF THE ORGANISATION	REPRESENTED BY
1Central Road Research Institute ,	Dr.Anuradha Shukla CHAIRMAN
2Agile Process Chemicals ALP (Pyrocrat Systems LLP) ,	Awaited
3Alkali Manufacturers Association of India ,	K Srinivasan Shri Harisaran Das (Alternate)
4All India Institute of Local self Government ,	Awaited
5Avantha Centre for Industrial Research and Development , Yamuna Nagar	Dr.Nishi Kant Bhardwaj Dr.Sunil Kumar (Alternate)
6Bhabha Atomic Research Centre , Mumbai	Dr A Vinod Kumar Dr.S.K.Sahu (Alternate)
7Bharat Heavy Electricals Limited , Haridwar	Dr. S Bhatnagar Shri Ambarish Goel (Alternate)
8Cement Manufacturers Association , New Delhi	Dr. K.C. Narang Dr.K.V.Reddy (Alternate)
9Central Institute of Mining and Fuel Research , Dhanbad	Dr.Ramesh Chandra Tripathi Dr.Nishant Kumar Srivastava (Alternate)
10 Central Leather Research Institute , Chennai	Dr. G.Sekaran Shri E Ravindranath (Alternate)

11	Central Pollution Control Board , Delhi	Shri J.S.Kamyotra
12	Central Road Research Institute , New Delhi	Shri Guruvittal
13	Chintan Environmental Research and Action Group ,	Awaited
14	Confederation of Indian Industry, , New Delhi	Mrs. Seema Arora Mr. Kamal Sharma (Alternate)
15	DCM Shri Ram Limited ,	Dr.N.J.Singh
16	Delhi Technological University , Delhi	Dr Rakesh Mehrotra Dr (Mrs) Anubha Mandal (Alternate)
17	Deptt of Civil Engg., Indian Institute of Technology, , New Delhi	Dr.B J Alappat
18	Development Alternative ,	Dr.K Vijaya Lakshmi Dr.Soumen Maity (Alternate)
19	Engineers India Limited, , New Delhi	Shri R.S.Prasad Shri Vikram Singh (Alternate)
20	Excel Industries ,	Awaited
21	Federation of Indian Chambers of Commerce and Industry, , New Delhi	Misss Archana Datta Ms. Suchismita Mukhopadhyay (Alternate)
22	Fly Ash Mission, Dept of Science & Technology, Min of Science, Gol ,	Shri R K Joshi
23	In Personal Capacity ,	Dr. N B Mazumdar
24	In Personal Capacity ,	Dr Vimal Kumar
25	Indian Centre for Plastics in the Environment, , Mumbai	Shri T K Bandopadhyay Shri Gopal Jha (Alternate)
26	Indian Chemical Council , Mumbai	Dr.N.J.Singh Shri A.A. Panjwani (Alternate)
27	Indian Council for Agriculture Research. , New Delhi	Dr. Panna Lal Singh
28	Indian Institute of Toxicology Research (formerly ITRC) , Lucknow	Dr. R.C.Murthy Shri S.C.Barman (Alternate)

29	Indian Oil Corporation Ltd, , Faridabad	Dr M.P. Singh
30	Infrastructure Leasing & Financial Services ,	Shri Neeraj Chandra Shri Sandeep Malhotra (Alternate)
31	Maharashtra Pollution Control Board , Mumbai	Awaited
32	Ministry of Defence, DRDO , New Delhi	Dr.M.Pandit Dr.(Smt). S Mary Celin (Alternate)
33	Ministry of Environment and Forests & Climate Change ,	Miss Sanchita Jindal Shri E Thirunavukkarasu (Alternate)
34	Ministry of New and Renewable Energy , New Delhi	Dr.G.Prasad
35	Ministry of Urban Development, Government of India , New Delhi	Shri Udit Ratna Shri P K Duria (Alternate)
36	Municipal Corporation of Delhi, , Delhi	Shri Ravi Dass Shri P.K.Khandewal (Alternate)
37	Municipal Corporation of Greater Mumbai , Mumbai (Alternate)	Dy. City Engineer Civil(Envt.) Exe. Engr.(Emissn.Invnty Group)
38	Municipal Corporation, Bengaluru ,	Awaited
39	Municipal Corporation, Chennai ,	Awaited
40	Municipal Corporation, Gangtok ,	Awaited
41	Municipal Corporation, Kolkata ,	Awaited
42	Municipal Corporation, Shimla ,	Awaited
43	National Council for Cement & Building Material, , New Delhi	Shri N.K.Tiwary Shri M.Selvarajan (Alternate)
44	National Environmental Engineering Research Institute , Nagpur	Dr. C.V.C. Rao Dr Tapas Nandy (Alternate)
45	National Solid Waste Association of India ,	Shri Amiya Kumar Sahu Capt. Manju Minhas (Alternate)
46	NTPC Limited , New Delhi	Dr.S.K.Jain Dr Sudhir Dahiya (Alternate)

47	Research Designs and Standards Organization, ,	Awaited
48	Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI) , Ahmedabad	Shri Ramesh Patel Ms Debleena Bhattacharya (Alternate)
49	Steel Authority of India Ltd (A Govt of India Enterprise) , New Delhi	Shri A K Lahiri Shri Sunil Singal (Alternate)
50	Steps Pvt Ltd ,	Shri T Raghavendra Rao
51	Stree Mukti Sanghatna ,	Awaited
52	Sulabh International Social Service Organization, ,	Dr N B Mazumdar Shri Suman Chahar (Alternate)
53	The Energy and Resources Institute , New Delhi	Col. R.K. Johri(Retd) Dr Suneel Pandey (Alternate)
54	The Fertilizer Association of India , New Delhi	Shri G M Patel Shri Manish Goswami (Alternate)
55	Town & Country Planning Organization,M/o Urban Dev.&Povertt Allvn. , New Delhi	Shri K.K. Joadder Dr Santosh Vidhyadharan (Alternate)
56	Ultratech Cements ,	Awaited

CHD 34 Environment Management

SCOPE

To formulate Indian Standards in the field of Environment Management tools and systems excluding:

- Climate Change (adaptation to climate change, mitigation of greenhouse gases, carbon footprint etc)
- test methods of pollutant
- setting limit values regarding pollutants of effluents
- setting environmental performance levels
- standardization of products

CHAIRMAN DR. S K SHARMA, IN PERSONAL CAPACITY

NAME OF THE ORGANISATION	REPRESENTED BY
1In Personal Capacity ,	Dr.S.K.Sharma CHAIRMAN
2Ambuja Cements Ltd. , New Delhi	Shri Sandeep Shrivastava Shri. Anurag Kumar Solankey (Alternate)
3Association of Certification Bodies of India , New Delhi	Shri K Doreswamy Shri Sanjay Kaushi (Alternate)
4Bhabha Atomic Research Centre , Mumbai	Dr.A.Vinod Kumar Dr.Sk.Sahu (Alternate)
5Bureau of Energy Efficiency, GoI, Ministry of Power , New Delhi	Shri Milind Deore Shri Ashok Kumar (Alternate)
6Carbon Minus India , New Delhi	Dr Srikanta K Panigrahi Ms Meenakshi Jain (Alternate)
7Central Arid Zone Research Institute , Jodhpur	Dr. K.P.R. Vittal Dr.Amal Kar (Alternate)
8Central Leather Research Institute , Chennai	Dr.G.Sekaran Dr S V Srinivasan (Alternate)
9Central Pollution Control Board , Delhi	Dr.Prashant Gargava Dr. (Mrs) Rekha L.Sitasawad (Alternate)
10 Centre for Science & Environment , New Delhi	Shri Chandra Bhushan Shri Sujit Kumar Singh (Alternate)
11 Confederation of Indian Industry , New Delhi	Shri Shikhar Jain Mrs Japjeet Kaur Khroud (Alternate)

12	Confederation of Indian Textile Industry , New Delhi	Awaited
13	Consumer Education & Research Centre , Ahmedabad	Mr Rakesh Shah Dr.(Mrs.) Ashoka Ghosh (Alternate)
14	Convener, CHD 34:P10 ,	Awaited
15	Convener, CHD 34:P11 ,	Awaited
16	Convener, CHD 34:P12 ,	Awaited
17	Convener, CHD 34:P2 ,	Awaited
18	Convener, CHD 34:P3 ,	Awaited
19	Convener, CHD 34:P4 ,	Awaited
20	Convener, CHD 34:P5 ,	Awaited
21	Convener, CHD 34:P6 ,	Awaited
22	Convener, CHD 34:P9 ,	Awaited
23	Convener, CHD 34:SC1 ,	Shri V K Mediratta
24	Convener, CHD 34:SC2 ,	Dr.Chhemendra Sharma
25	Department of Chemicals & Fertilizers, Min of Chemicals & Fertilizers, Gol, New Delhi , New Dehi	Shri Roshit Misra
26	Energy Management Sectional Committee, MED 39, BIS ,	Awaited
27	Environmental Protection Training and Research Institute , Hyderabad	Dr. J.Sesha Srinivas
28	Export Inspection Council of India, Min of commerce & Industry, Gol , New Delhi	Dr S.K.Saxena Shri Rajeev Raizada (Alternate)
29	Federation of Indian Chambers of Commerce & Industry (FICCI) , New Delhi	Dr.Sanjeevan Bajaj Shri S.C.Arora (Alternate)

30	Forest Research Institute, , Dehradun	Shri N Bala Dr.Vijender Pal Panwar (Alternate)
31	Gujarat Institute of Desert Ecology - GUIDE , Kachchh District	Dr.V.Vijay Kumar Dr. K Karthikeyan (Alternate)
32	In Personal Capacity ,	Dr.Devender Kumar Banwet
33	India Glycols Limited ,	Dr. R.K.Sharma Sarang Khati (Alternate)
34	Indian Bureau of Mines , Nagpur	Dr B.P.Sinha Shri B.S.Moroney (Alternate)
35	Indian Chemical Council , Mumbai	Dr.N.J.Singh Dr.Krishnendu Sil (Alternate)
36	Indian Oil Corporation Ltd. , Faridabad	Dr.Deepak Saxena Dr.A.K.Arora (Alternate)
37	ITC Limited ,	Shri Sanjib Bezbaroa Shri Sunil Kumar (Alternate)
38	Management Systems Certification Department ,	Shri K C S Bisht Shri A Chakrabarti (Alternate)
39	Ministry of External Affairs ,	Awaited
40	Ministry of Commerce & Industry, Govt of India , New Delhi	Shri K K Sinha Shri M Zakaria Khan Yusufzai (Alternate)
41	Ministry of Environment & Forest , New Delhi	Shri R.N.Jindal Shri Pankaj Verma (Alternate)
42	National Council for Cement and Building Materials , Ballabgarh	Dr. N.K.Tiwary Shri M.Selvarajan (Alternate)
43	National Environmental Engineering Research Institute , Nagpur	Shri Satish J Dabe Shri Sushant B Wath (Alternate)
44	National Research Development Corporation , New Delhi	Shri Govind Sharma Smt Manjulika Otto (Alternate)
45	NTPC Limited , New Delhi	Dr.S.K.Jain Dr. Sudhir Dahiya (Alternate)
46	Nuclear Power Corporation of India Ltd. , Mumbai	Shri M.Rama Somayajulu Dr.Jitendra Singh (Alternate)
47	Quality Council of India , New Delhi	Shri B.Venkataram Miss Veena Vadini Puri (Alternate)
48	BITES Ltd , Gurgaon	Shri Rakesh Chopra Shri M P Mandal (Alternate)

49 Steel Authority of India Ltd. , Kolkata

Shri P K Guha
Sri Sanjay Suman (Alternate)

50 The Energy and Resources Institute , New Delhi

Shri Souvik Bhattacharjya
Smt C.Sita Lakshmi (Alternate)

51 The Fertiliser Association of India , New Delhi

Shri Manish Goswami

CHD 35, AIR QUALITY

SCOPE

To formulate India Standards for i) Terminology, methods of sampling and characterization of emissions from point and non-point sources, stationery and line sources including industrial emissions, ambient air, indoor air, workplace air, particularly measurement methods for air pollutants (particles, gases, odours, micro-organisms) ii) Terminology, methods of measurement of noise levels

COMPOSITION

Chairman, Mrs. Gauri Pandit, BARC

Sl. No.	Organization Represented	Principal/ (Alternate) Member
1.	Avantha Centre for Industrial Research and Development , Yamuna Nagar	Dr Nishi Kant Bhardwaj (Dr. Sunil Kumar)
2.	Bhabha Atomic Research Centre, Mumbai	Dr GG Pandit/(Shri S K Sahu)
3.	Central Institute of Mining and Fuel Research, Dhanbad	Dr. R C Tripathi/Dr. N K Srivastava
4.	Central Pollution Control Board (MoEFCC), GoI, New Delhi	Shri V K Shukla/Dr. R C Srivastava
5.	Central Road and Research Institute	Dr. Niraj Sharma/Dr. Rina Singh
6.	Confederation of Indian Industry, New Delhi	Smt. Seema Arora/Shri Dharendra Singh
7.	Delhi Pollution Control Committee	Nomination Awaited
8.	Delhi Technological University (formerly known as Delhi College of Engineering), New Delhi	Dr Rakesh Mehrotra/(Dr Anubha Mandal)
9.	Directorate General, Factory Advice Service & Labour Institute, Mumbai	Shri MR Rajput/(Smt Dhanashree Acharekar)
10.	Ecotech Instruments, Greater Noida	Dr Rajendra Prasad
11.	Gujarat Pollution Control Board	Dr. D N Vansadia
12.	Himachal Pradesh Pollution Control Board	Dr. T B Singh/Dr. Manoj Chauhan
13.	In personal capacity	Shri Rakesh Agarwal
14.	In personal capacity	Shri Sanjib Kumar Goswami
15.	In personal capacity	Dr H K Parwana

Sl. No.	Organization Represented	Principal/ (Alternate) Member
16.	In personal capacity	Dr. S K Tyagi
17.	Indian Association for Air Pollution Control	Nomination Awaited
18.	Indian Centre for Plastics in the Environment, Mumbai	Shri T K Bandopadhyay/ Shri Mahinder Singh
19.	Indian Chemical Council, Mumbai	Dr NJ Singh/ (Shri AA Panjwani)
20.	Indian Council for Agriculture Research, New Delhi	Dr. Kanchan K Singh/Dr. Panna Lal Singh
21.	Indian Institute of Technology, Kharagpur	(Nomination Awaited)
22.	Indian Institute of Toxicology Research, Lucknow	Dr. SC Barman
23.	Indian Institute of Tropical Meteorology, Pune	(Nomination Awaited)
24.	Indian Oil Corporation Ltd, Faridabad	Dr MP Singh
25.	Jharkhand State Pollution Control Board, Ranchi	Shri R N Kashyap
26.	Madhya Pradesh State Pollution Control Board	Nomination Awaited
27.	Maharashtra State Pollution Control Board, Govt of Maharashtra, Mumbai	Dr A R Supate/Dr V R Thakur
28.	Ministry of Environment & Forest	Nomination Awaited
29.	National Environmental Engg Research Institute, Nagpur	Dr. S.K. Goyal / Dr. P.K. Labhasetwar
30.	National Institute of Occupational Health, Ahmedabad	Dr AK Mukherjee/Shri S Raghavan
31.	NCCBM, Ballabgarh	Dr. N K Tiwary/Shri Anand Bohra
32.	National Physical Laboratory	Dr. Shankar Agarwal
33.	NTPC Ltd, New Delhi	Dr. S K Jain/Dr. Sudhir Dahiya
34.	SMS Labs Services Pvt. Ltd., Chennai	Shri S Suresh Kumar/Shri M Abilash
35.	Shriram Institute for Industrial Research, New Delhi	Dr Mukesh Garg/(Mr Rajnesh Kumar Sharma)
36.	Tata Consulting Engineers	Shri Srikant Patil/Dr. Jyoti Prabha
37.	Telangana State Pollution Control Board, Hyderabad	Dr KV Ramani/(Shri N Raveendhar)

Sl. No.	Organization Represented	Principal/ (Alternate) Member
38.	The Energy and Resources Institute, New Delhi	Col RK Johri(Retd)/(Dr Suneel Pandey)
39.	The Fertilizer Association of India, New Delhi	Mr. Satya Subrahmanyam/Mr. Manish Goswami
40.	UNIPHOS Envirotronics Pvt. Ltd., Gujarat	Shri Vijay Pandey/Dr. R C Naik
41.	West Bengal Pollution Control Board, Dept of Environment, Govt of WB, Kolkata	Dr Ujjal Kumar Mkhopadhyay/ (Shri Shyam Kumar Adhikari)

CHD 36, WATER QUALITY

SCOPE

To formulate Indian Standards for

- i. Terminology, methods of sampling and characterization of water, sewage, industrial effluents and marine water.

Chairman, Dr. N Raveendhar, Telangana State Pollution Control Board

Sl.No	Organisation Represented	Principal/ (Alternate) Member
1	All India Institute of Hygiene and Public Health, Kolkata	Nomination awaited
2	Andhra Pradesh State Pollution Control Board	Nomination awaited
3	Avantha Centre for Industrial Research and Development , Yamuna Nagar	Dr.Nishi Kant Bhardwaj/ (Dr. Sunil Kumar)
4	Bhabha Atomic Research Centre, Mumbai	Dr. (Smt.) G. G. Pandit/ (Dr. S. K. Sahu)
5	Central Ground Water Board, Faridabad	Shri G C Pati/ (Rumi Mukherjee)
6	Central Institute of Mining and Fuel Research, Dhanbad	Dr. (Mrs) Bably Prasad/Dr. Abhay Kumar Singh
7	Central Leather Research Institute	Dr.Sri Balakameswari/ (Dr SV Srinivasan)
8	Central Pollution Control Board (MoEFCC), Gol, New Delhi	(Shri J S Kamyotra, Dr. P.K.Behera)
9	Confederation of Indian Industry, New Delhi	Ms. Seema Arora/ (Mr.Kamal Sharma)
10	Crop Care Federation of India, New Delhi	Shri P.N. Parmeshawaran
11	Department of Civil Engineering, IIT Madras	Dr. Ligy Philip/Dr. S Mathava Kumar
12	Delhi Technological University (formerly known as Delhi College of Engineering), New Delhi	Dr Rakesh Mehrotra/ (Dr (Mrs) Anubha Mandal)

13	Delhi Jal Board	D. R. Arya / (Ram Kishan)
14	Envirocare Laboratories, Thane	Dr. Priti Amritkar/Manisha Kharade
15	FAD 14	BIS Member Secretary FAD 14
16	Gujarat Pollution Control Board, Gandhinagar	Mr. D.N. Vasdiya/ Mr. K.B. Vaghela
17	Himachal Pradesh State Pollution Control Board, Govt of Himachal Pradesh, Himachal Pradesh	Er.D.K.Sharma/ (Dr Harish Sharma)
18	In personal capacity	Prof Goutam Banerjee
19	In personal capacity	Dr. B. Sengupta
20	In personal capacity	Shri Sanjib Kumar Goswami
21	In personal capacity	Dr. (Mrs.) H. K. Parwana
	In personal capacity	Shri Manish Wasuja, WASH Specialist, UNICEF
22	Indian Agricultural Research Institute – Water Technology Centre, Shimla	Nomination awaited
23	Indian Chemical Council, Mumbai	Dr. Rakesh Kumar/Dr. Pranav K Tripathi/Mr J I Sevak
24	Indian Council for Agriculture Research, New Delhi	Dr. M J Kaledhonkar/Dr. R K Yadav
25	Indian Institute of Chemical Technology, Hyderabad	Nomination awaited
26	Indian Institute of Toxicology Research, Lucknow	Shri S.C.Barman/Shri Satyakam Patnaik
27	Indian Oil Corporation Ltd, Faridabad	Dr S K Puri
28	Indian Water Works Association	Shri Vijay Charhate
29	Institute of Public Health Engineers-Delhi Chapter	Nomination awaited
30	Integrated Genomics and Integrated Biology, Delhi	Nomination awaited
31	Maharashtra State Pollution Control Board, Govt of Maharashtra, Mumbai	Dr A R Supate/ (Dr. V R Thakur)

32	Ministry of Environment and Forest	Nominations Awaited
33	National Environmental Engg Research Institute, Nagpur	Dr. S.K. Goyal / Dr. P.K. Labhasetwar
34	National Institute of Oceanography, Goa	Dr. Darbar Ray
35	NTPC Ltd, New Delhi	Dr S K Jain/ (Dr Sudhir Dahiya)
36	Packaged Drinking Water Association	Nomination awaited
37	SMS Laboratories, Chennai	Shri S Suresh Kumar
38	Shriram Institute for Industrial Research, New Delhi	Dr Vinit K Mishra/ Mr Rajnesh Kumar Sharma
39	Telangana State Pollution Control Board	Shri N Raveendhar
40	West Bengal Pollution Control Board, Dept of Environment, Govt of WB, Kolkata	Dr Ujjal Kumar Mukhopadhyay/ (Shri Shyam Kumar Adhikari)