**कार्यसूची**

**AGENDA**

**रसायन विभाग परिषद (सीएचडी)**

**की**

**29 वी बैठक**

**TWENTY NINTH MEETING**

**OF**

**CHEMICAL DIVISION COUNCIL (CHDC)**

**13 सितंबर 2024**

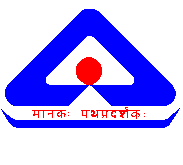
**लाल सी वर्मन हॉल, भारतीय मानक ब्‍यूरो**

**मानक भवन, नई दिल्‍ली**

**13 September 2024**

**Lal C Verman Hall**

**BIS, Manak Bhavan, New Delhi**



**BUREAU OF INDIAN STANDARDS**

**MANAK BHAVAN, 9, BAHADUR SHAH ZAFAR MARG,**

**NEW DELHI 110 002**

**CHEMICAL DIVISION COUNCIL(CHDC) 29THMEETING**

|  |  |  |
| --- | --- | --- |
| **DAY& DATE** | **TIME** | **VENUE** |
| Friday  13th September 2024 | 1100h | **HYBRID MODE**  **Lal C Verman Hall**  **Manak Bhavan,New Delhi** |

## MEETING LINK

## - <https://bismanak.webex.com/bismanak/j.php?MTID=m55ccd3d9d52138cafb0a31708fc42da4>

## MEETING ID - 2512 034 3946

## PASSWORD – CHDC@29

|  |  |
| --- | --- |
| CHAIRPERSON | DR. SOURAV PAL, Professor & Head, Departmentt of Chemistry, Ashoka University, Sonipat |
| MEMBER SECRETARY | **Mr. AJAY KUMAR LAL, Scientist-F & Head,**  **Chemical Department(BIS)** |

**Item 0 GENERAL**

* 1. **Welcome by DDG (Standardization-I)**
  2. **Opening Remarks by Chairperson, CHDC**

**Item 1 CONFIRMATION OF THE PROCEEDINGS OF THE 28th MEETING OF CHEMICAL DIVISION COUNCIL**

**1.1** 28th meeting of Chemical Division Council (CHDC) was held in hybrid mode (physical + virtual) on 15TH February 2024.The proceedings of the meeting were circulated to the members on 07th March 2024. No comments received.

***The Council may kindly CONFIRM the proceedings as circulated on 07th March 2024.***

## Item 2 ACTIONS TAKEN ON THE DECISIONS OF THE 27thMEETING

**2.1**The summary of actions taken on the decisions arrived at during the 28th meeting of CHDC are reported at**[ANNEX I](D:\\Rajnish D Drive\\ALL CHD COMMITTEES FOLDERS\\सीएचडीसी CHDC\\28th meeting\\FINAL AGENDA AND PROCEEDINGS\\ANNEXES\\ANNEX I ACTIONS TAKEN ON THE PROCEEDINGS OF 27TH MEETING.docx)**[..](D:\\Rajnish D Drive\\ALL CHD COMMITTEES FOLDERS\\सीएचडीसी CHDC\\28th meeting\\FINAL AGENDA AND PROCEEDINGS\\ANNEXES\\ANNEX I ACTIONS TAKEN ON THE PROCEEDINGS OF 27TH MEETING.docx)



***The Council may NOTE.***

## Item 3 SCOPE AND COMPOSITION OFCHEMICAL DIVISION COUNCIL, CHDC

**3.1 General**

This is for information of the Council members that the Scope and Composition of CHDC and the Sectionial Committees functioning under CHDC are available on BIS website ,<http://www.bis.gov.in>. It can be accessed by visiting the url <https://www.services.bis.gov.in:8071/php/BIS_2.0/bisconnect/dgdashboard/committee_sso/committeeDetails/62>. and <https://www.services.bis.gov.in:8071/php/BIS_2.0/bisconnect/dgdashboard/committee_sso/> respectively. These are updated periodically and as and when changes approved by the Divison Council/Standards Advisory Committee (SAC).

***The Council may NOTE.***

## 3.2 Present Scope and Composition of Chemical Division Council, CHDC

**3.2.1** The present Scope and Composition of Chemical Division Council (as approved by the Standards Advisory Committee in its 22nd meeting held on 30 12 2021) along with the attendance data for last three meetings and the list of Chairpersons of various Sectional Committees under CHDC are given below:

**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.

**DETAILS OF LAST 3 MEETINGS**

|  |  |  |
| --- | --- | --- |
| **No. of meeting** | **Dates** | **Place** |
| **26th** | **15 02 2023** | **HYBRID**  **(PHYSICAL + VIRTUAL)** |
| **27th** | **11 09 2023** | **HYBRID**  **(PHYSICAL + VIRTUAL)** |
| **28th** | **15 02 2024** | **HYBRID**  **(PHYSICAL + VIRTUAL)** |

**Chairperson: Dr. Sourav Pal, Professor & Head, Department of Chemistry, Ashoka University, Sonipat**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Organisation Represented** | | **Principal/(Alternate)**  **Member** | **26th** | **27TH** | **28th** | **Total** | |
|  | | **Ashoka University, Sonipat** | **Dr. Sourav Pal**  **CHAIRPERSON**  [s.pal@iiserkol.ac.in](mailto:s.pal@iiserkol.ac.in)  [pal.sourav@gmail.com](mailto:pal.sourav@gmail.com)  Mob. 9890335662 | **√** | **√** | **√** | **3/3** |
|  | | Bhabha Atomic Research Centre, Mumbai | Dr. Ajay Kumar Singh  [ajaysingh@barc.gov.in](mailto:ajaysingh@barc.gov.in)  Mob. 9987899751  Dr. M Anitha  [manitha@barc.gov.in](mailto:manitha@barc.gov.in)  Mob.--------- | **√** | **√** | **√** | 3/3 |
|  | | CSIR-National Physical Laboratory, New Delhi | Dr. Tuhin Kumar Mandal  [tuhin@nplindia.org](mailto:tuhin@nplindia.org)  Mob.  9818479956  (Dr. Nahar Singh)  [naharsingh@nplindia.org](mailto:naharsingh@nplindia.org)  Mob. 9968246475 | - | **√** | **√** | 2/3 |
|  | | CSIR- Central Electro Chemical Research Institute, Karaikudi | (Dr. M Anbukulandainathan)  [anbu@cecri.res.in](mailto:anbu@cecri.res.in); [manbu123@gmail.com](mailto:manbu123@gmail.com)  Mob.----------- | - | **√**  **(CH 5)** | - | 1/3 |
|  | | CSIR - Central Leather Research Institute, Chennai | Director, CLRI  (Dr. K J Sreeram)  [kjsreeram@clri.res.in](mailto:kjsreeram@clri.res.in)  Mob. 9840125263 | **√**  **(CH 17)** | **√**  **(CH 17)** | **√**  **(CH 17)** | 3/3 |
|  | | CSIR- National Environmental Engineering Research Institute, Nagpur | Dr Sukdeb Pal  [s\_pal@neeri.res.in](mailto:s_pal@neeri.res.in)  Mob. 7588978824  (updated nomination received in May 2022)  Dr. Amit Bansiwal  [ak\_bansiwal@neeri.res.in](mailto:ak_bansiwal@neeri.res.in)  Mob.  9422824312 | **√** | **√** | **√** | 3/3 |
|  | | CSIR- Central Glass & Ceramic Research Institute, Kolkata | Dr. Sunirmal Jana  [sjana@cgcri.res.in](mailto:sjana@cgcri.res.in)  [janasunirmal@hotmail.com](mailto:janasunirmal@hotmail.com)  Mob. 9432355818  Dr. Mukul Chandra Paul  [mcpal@cgcri.res.in](mailto:mcpal@cgcri.res.in)  [paulmukul@hotmail.com](mailto:paulmukul@hotmail.com)  Mob. 9474456378  (Both nominations received on 3rd May 2024) |  |  |  |  |
|  | | Central Pollution Control Board, New Delhi | Shri Dinabandhu Gouda  [dinabandhu.cpcb@nic.in](mailto:dinabandhu.cpcb@nic.in)  Mob. 9868143169  **(**Nomination received in april 2022) | **√** | **√** | **√** | 3/3 |
|  | | Centre for Fire, Explosive and Environment Safety (CFEES), Defence Institute of Fire Research, Min of Defence, New Delhi | (Dr.Durgesh Nandini)  [durgesh.cfees@gov.in](mailto:durgesh.cfees@gov.in)  8287804886  (Dr.Pankaj Sharma)  [pankajshaema.cfees@gov.in](mailto:pankajshaema.cfees@gov.in)  9911244540  (both nominations received on 08 July 2024) | **√**  (PHY) | **√** | **√** | 2/3 |
|  | | Common Cause, Delhi | Shri Vipul Mudgal  [vipulmudgal@gmail.com](mailto:vipulmudgal@gmail.com)  Mob. 9818399055 | **√** | - | - | 1/3 |
|  | | Consumer Education & Research Centre, (CERC), Ahmedabad | Ms. Anandita Mehta  [chemical.anindita@gmail.com](mailto:chemical.anindita@gmail.com)  Mob.  9727333033  (Shri JB Patel)  [cerc@cercindia.org](mailto:cerc@cercindia.org)  Mob.------------ | **√** | **√** | **√** | 3/3 |
|  | | Consumer Guidance Society of India, Mumbai | Shri Sitaram Dixit  [sitaram.dixit@gmail.com](mailto:sitaram.dixit@gmail.com)  Mob. 9967607095  (Dr. M. S. Kamat)  [dr.m.s.kamath@gmail.com](mailto:dr.m.s.kamath@gmail.com)  Mob. 9820455858 | **√** | **√** | **√** | 3/3 |
|  | | CONSUMER VOICE, New Delhi | Shri M. A. U. Khan  [mauk010144@gmail.com](mailto:mauk010144@gmail.com)  Mob. 9810561495  (Shri.Rajiv Jha)  [jrajiv08@gmail.com](mailto:jrajiv08@gmail.com)  9911589301  (new alternate nomination received on 22 12 2023) | **√** | **√** | **√** | 3/3 |
|  | | Directorate General, Factory Advice Service & Labour Institutes (DGFASLI), Mumbai | Dr. S B Mishra  [sm@dgfasli.nic.in](mailto:sm@dgfasli.nic.in)  Mob.-----------  (new nomination received in 16 Nov.2023)  (Shri Kunal Sharma)  [sharma.kunal@dgfasli.nic.in](mailto:sharma.kunal@dgfasli.nic.in)  Mob. 9899056933 | **√** | **√** | - | 2/3 |
|  | | (DGQA), Controllerate of Quality Assurance (Materials), Kanpur | Shri A K Kanaujia  [stores-dgqa@nic.in](mailto:stores-dgqa@nic.in)  Mob. 7080430017  Shri B S Tomar  [cqamknp-dgqa@nic.in](mailto:cqamknp-dgqa@nic.in)  Mob------------  (new nomination received in May 2022 | **√** | **√** | **√** | 3/3 |
|  | | Export Inspection Council, New Delhi | Dr. Rajesh R.  [eia-mumbai-lab2@eicindia.gov.in](mailto:eia-mumbai-lab2@eicindia.gov.in)  Mob.--------  Ananda Gupta   [jd1@eicindia.gov.in](mailto:jd1@eicindia.gov.in)  Mob--------  Somnath Das   [eia-kolkatalab@eicindia.gov.in](mailto:eia-kolkatalab@eicindia.gov.in)  Mob----------  (co-opted in 24th meeting) | - | - | - | 0/3 |
|  | | Gujarat Alkalies & Chemicals Ltd, Vadodara | Shri Shailesh A Patel  [shailesh.a.patel@gacl.co.in](mailto:shailesh.a.patel@gacl.co.in)  Mob---------  (Shri Varendrasinh Mahida)  [virendrasinh.mahida@gacl.co.in](mailto:virendrasinh.mahida@gacl.co.in)  Mob------------  (both nominations received in July 2023) | - | **√** | - | 1/3 |
|  | | Indian Chemical Council, Mumbai | Mr Dhrumil Soni  [regulatory@iccmail.in](mailto:regulatory@iccmail.in)  [dhrumilSoni@iccmail.in](mailto:dhrumilSoni@iccmail.in)  Mob. 9510958263  Smt. Shraddha Rane  [iccnhq@iccmail.in](mailto:iccnhq@iccmail.in)  Mob. 9892226428  (both nominations received on 14 02 2023) | **√** | **√ (PH)** | **√** | 3/3 |
|  | | Indian Council of Medical Research, New Delhi | (Dr. R. S. Dhaliwal)  [dhaliwalrs.hq@icmr.gov.in](mailto:dhaliwalrs.hq@icmr.gov.in)  Mob. 9810406150  Dr. Geetika Yadav  [geetikayadav@icmr.org.in](mailto:geetikayadav@icmr.org.in)  Mob----------  (alternate new nomination received in April 2022) | **√** | **√** | **√** | 3/3 |
|  | | ICMR-National Institute of Occupational Health (NIOH) | Dr. P. Sivaperuma  [sivaperumal.p@gov.in](mailto:sivaperumal.p@gov.in)  Mob-----------  (Dr. Kuldip Upadhjyay)  [upadhyay.kul@icmr.gov.in](mailto:upadhyay.kul@icmr.gov.in)  Mob----------  (coopted in 24th meet) | - | - | **√** | 1/3 |
|  | | Indian Institute of Chemical Engineers, Kolkata | (Dr. Siddhartha Mukherjee)  [iichehq@gmail.com](mailto:iichehq@gmail.com)  Mob-------------  (both nominations received on 25 04 2022) | **√** | - |  | 1/3 |
|  | | Indian Institute of Packaging, Mumbai | Dr. Tanweer Alam  [director-iip@iip-in.com](mailto:director-iip@iip-in.com) | - | - | **√** | 1/3 |
|  | | Indian Institute of Petroleum, Dehradun | Shri Sandip Ganguly  [sganguly@iip.res.in](mailto:sganguly@iip.res.in)  Mob------------  (Dr. N Viswanadham) [nvish@iip.res.in](mailto:nvish@iip.res.in)  Mob. ~~9410154176~~ (number not in use) | **√** | **√** | **√** | 2/3 |
|  | | Indian Paper Manufacturers Association, New Delhi | Mr. Biswaranjan Dash  [biswaranjan.dash@jkmail.com](mailto:biswaranjan.dash@jkmail.com)  Mob.9910559824  (Mr. Rohit Pandit)  [sg@ipmaindia.org](mailto:sg@ipmaindia.org)  Mob. 9818425679 | **√** | **√ (PH)** | **√** | 3/3 |
|  | | Institute of Chemical Technology, Mumbai | Prof. A B Pandit  [vc@ictmumbai.edu.in](mailto:vc@ictmumbai.edu.in)  [ab.pandit@ictmumbai.edu.in](mailto:ab.pandit@ictmumbai.edu.in)  Mob-------------  (Prof.S S Bhagwat)  [ss.bhagwat@ictmumbai.edu.in](mailto:ss.bhagwat@ictmumbai.edu.in)  Mob--------------------  (both nominations received on 04 May 2022) | - | **√** | - | 1/3 |
|  | | Kokuyo Camlin Limited, Mumbai | Dr.Gulzar Waghoo  [gulzar.waghoo@kokuyocamlin.com](mailto:gulzar.waghoo@kokuyocamlin.com)  Mob-----------  (nomination received in July 2022)  Mrs. Sayaali Sarfare  [sayali.sarfare@kokuyocamlin.com](mailto:sayali.sarfare@kokuyocamlin.com)  Mob. 9819101357 | **√** | - | - | 1/3 |
|  | | Ministry of Chemical and Fertilizers Department of Chemical and Petrochemicals, New Delhi | Dr. Rohit Mishra  [rohit.misra@nic.in](mailto:rohit.misra@nic.in)  (new nomination received on 07 May 2024) |  |  |  |  |
|  | | Ministry of Environment & Forests, New Delhi | Shri Ved Prakash Mishra  [mishra.vp@gov.in](mailto:mishra.vp@gov.in)  011-24695128  Shri Dinesh Runiwal  [d.runiwal@gov.in](mailto:d.runiwal@gov.in)  011-24695245 | **√** | - |  | 1/3 |
|  | | National Accreditation Board for Testing and Calibration Laboratories (NABL) | N. Venkateswaran (CEO)  [venkat@nabl.qcin.org](mailto:venkat@nabl.qcin.org)  9868159618  Anuja Anand, JD  [anuja@nabl.qcin.org](mailto:anuja@nabl.qcin.org)  9911203039  Pooja Singh, AD  [pooja@nabl.qcin.org](mailto:pooja@nabl.qcin.org)  Mob-------- | **√** | **√** |  | 2/3 |
|  | | National Chemical Laboratory, Pune | Dr. Ravindar Kontham  [k.ravindar@ncl.res.in](mailto:k.ravindar@ncl.res.in)   7507889557  (Dr. Utpal Das)  [u.das@ncl.res.in](mailto:u.das@ncl.res.in)   8806330583 | - | **√** |  | 1/3 |
|  | | National Safety Council, Navi Mumbai | Shri Lalit R. Gabhane, DG  [lalitgabhane@nsc.org.in](mailto:lalitgabhane@nsc.org.in)  9731829100  Shri A.Y. Sundker,  [aysundkar@nsc.org.in](mailto:aysundkar@nsc.org.in)  9869113269  Altrnate member Nomination received on 27 October 2021) | **√** | **√** | **√** | 3/3 |
|  | | National Test House (ER), Kolkata | Shri S. P. Kalia  [surendrapalkalia@nth.gov.in](mailto:surendrapalkalia@nth.gov.in)  9718227008 | - | **√** | **√** | 2/3 |
|  | | Office of the Development Commissioner (MSME), Min of Micro, Small and Medium Enterprises, New Delhi | Alak Mumar Mitra  [alak@dcmsme.gov.in](mailto:alak@dcmsme.gov.in)  7838963889  (Shri Pritendu Mal)  [pritendu.mal@dcmsme.gov.in](mailto:pritendu.mal@dcmsme.gov.in)  9674118414  (both Nomination received on 05 09 2023) | **√** | **√** | **√** | 3/3 |
|  | | Research Designs & Standards Organization (RDSO), Lucknow | Shri P K Bala  [dg@rdso.railnet.gov.in](mailto:dg@rdso.railnet.gov.in)  9794863213  (Shri Kamal Prakash Singh)  [singh150566@gmail.com](mailto:singh150566@gmail.com)  9794863207 | **√** | **√** | **√** | 3/3 |
|  | | Safety Appliances Manufacturers’Association, Mumbai | Mr. Mahesh Kudav,  [mahesh@venusohs.com](mailto:mahesh@venusohs.com)  9820040216  (Mr. Harshal Patil),  [harshal.patil@venusohs.com](mailto:harshal.patil@venusohs.com)   8879683348  ( Mr. Devang Mehta)  [devang.mehta@jaycosafety.com](mailto:devang.mehta@jaycosafety.com)  9898135444  (Mr. Mohammad)  [mohd@karam.in](mailto:mohd@karam.in)   9820761474 | **√** | **√** | **√** | 3/3 |
|  | | Steel Authority of India Limited (SAIL), New Delhi | Ms. D Sathya Devi  [sathyadevi@sail-bhilaisteel.com](mailto:sathyadevi@sail-bhilaisteel.com)  9407981712  Shri Pawan Kumar  [pawankr@sail.in](mailto:pawankr@sail.in)  9407984575  both Nomination received in May 2022) | - | - | - | 0/3 |
|  | | Tata Steel Ltd., Kolkatta | Shri. Raveendra Neerubhavi  [raveendra.n@tatasteel.com](mailto:raveendra.n@tatasteel.com)    9040079406  Dr. Aloke Kumar  [alk@tatasteel.com](mailto:alk@tatasteel.com)  9204058859  (both nominations recived in August 2022) | √  (PHY) | **√** | **√** | 3/3 |
|  | | Tata Chemicals Ltd., Mumbai | Shri Haresh T Gangaramani  [hgangaramani@tatachemicals.com](mailto:hgangaramani@tatachemicals.com)  (Shri Najmul Hasan Khan)  [nkhan@tatachemicals.com](mailto:nkhan@tatachemicals.com)  9227882133 | **√** | - | **√** | 2/3 |
|  | | The Energy and Resourses Institute (TERI), New Delhi | (Dr. Vidya S. Batra)  [vidyasb@teri.res.in](mailto:vidyasb@teri.res.in)  9999688611  (Dr R R N Sailaja Bhattacharya)  [sailajab@teri.res.in](mailto:sailajab@teri.res.in)  (new alternate nomination received on 25 July 2023) | **√** | **√** | **√** | 3/3 |
|  | | Inorganic Chemicals, CHD 1  (CH) | Shri K Srinavasan  [skannan@csmcri.res.in](mailto:skannan@csmcri.res.in)  Director, CSMCRI | **√** | **√** | **√** | 3/3 |
|  | | Electroplating and Photographic Material, CHD 5 (CH) | Dr. B. Subramanian, CECRI  [bsmanian@cecri.res.in](mailto:bsmanian@cecri.res.in) | - | **√** | - | 1/3 |
|  | | Industrial Gases, CHD 6 (CH) | Dr. Tuhin Kumar Mandal  [tuhin@nplindia.org](mailto:tuhin@nplindia.org) | - | **√** | **√** | 2/3 |
|  | | Chemical Hazards, CHD 7 (CH) | Shri Lalit R Gabhane  DG, NSC  [lalitgabhane@nsc.org.in](mailto:lalitgabhane@nsc.org.in) | - | **√** | **√** | 2/3 |
|  | | Occupational Safety And Health**,**CHD 8 (CH) | Shri Lalit R Gabhane  DG, NSC  [lalitgabhane@nsc.org.in](mailto:lalitgabhane@nsc.org.in) | **√** | **√** | **√** | 3/3 |
|  | | Ceramicware, CHD 9 (CH) | Director CGCRI  [director@cgcri.res.in](mailto:director@cgcri.res.in) | - | - | - | 0/3 |
|  | | Glass, Glassware and Laboratoryware, CHD 10 (CH) | Director, CGCRI  [director@cgcri.res.in](mailto:director@cgcri.res.in) | - | - | - | 0/3 |
|  | | Water Quality for Industrial Purposes, CHD 13 (CH) | Dr.K.P.Bhattacharya, BARC  [kpbhatt@barc.gov.in](mailto:kpbhatt@barc.gov.in) | - | - | - | 0/3 |
|  | | Printing Inks, Stationery and Allied Products, CHD 14 (CH) | Shri Subir Kumar Mandal,  Superintendent, Govt. Printing, Govt. of West Bengal  [subirkumarmandal70@gmail.com](mailto:subirkumarmandal70@gmail.com) | **√** | **-** | **√** | 2/3 |
|  | | Paper and its Products, CHD 15 (CH) | Director (Dr.L P Singh)  CPPRI  [director.cppri@gmail.com](mailto:director.cppri@gmail.com) | **√** | **√ (PH)** | **√** | 3/3 |
|  | | Paper based Packaging Materials, CHD 16 (CH) | Dr. Tanweer Alam, Director, IIP  [director-iip@iip-in.com](mailto:director-iip@iip-in.com) | - | - | **√** | 1/3 |
|  | | Leather, Tanning Materials and Allied Products, CHD 17 (CH) | Dr. K J Sreeram,  Director, CLRI  [kjsreeram@clri.res.in](mailto:kjsreeram@clri.res.in) | **√** | **√** | **√** | 3/3 |
|  | | Footwear, CHD 19 (CH) | Dr B N Das, in personal capacity  [bhabendra@gmail.com](mailto:bhabendra@gmail.com) | **√** | - | **√** | 2/3 |
|  | | Paints, Varnishes And Related Products CHD 20 (CH) | Prof. P. A. Mahanwar, Vice Chancellor, Punyashlok Ahilyadevi Holkar Solapur University, Solapur  [vco@sus.ac.in](mailto:vco@sus.ac.in) | - | - | **√** | 1/3 |
|  | | Raw Materials for Paints, Varnishes and Related Products, CHD 21 (CH) | Prof. A S Khanna, in personal capacity  [anandkh52@gmail.com](mailto:anandkh52@gmail.com) | - | - | **√** | 1/3 |
|  | | Brushware, Polishes, Lac&Lac Products, CHD 23 (CH) | Director (Dr. Abhijit Kar)  National Institute Of Secondary Agriculture  [director.icar.nisa@gmail.com](mailto:director.icar.nisa@gmail.com)  [director.nisa@icar.gov.in](mailto:director.nisa@icar.gov.in) | **√** | - | **√** | 2/3 |
|  | | Soaps and other Surface Active Agents, CHD 25 (CH) | Dr.P K S Yadav, HBTU, Kanpur  [hodot@hbtu.ac.in](mailto:hodot@hbtu.ac.in) | **√** | **√** | **√** | 3/3 |
|  | | Explosives and Pyrotechnics, CHD 26 (CH) | Dr. A. P. Dash, Director, HEMRL  [director.hemrl@gov.in](mailto:director.hemrl@gov.in) | - | - | - | 0/3 |
|  | | Thermal Insulation, CHD 27 (CH) | Dr. Harpal Singh, Chief Scientist, CBRI  [harpal@cbri.res.in](mailto:harpal@cbri.res.in) | - | - | - | 0/3 |
|  | | Nuclear Energy for Peaceful Applications, CHD 30 (CH) | Dr. D K Aswal  OS&Director, HS&EG BARC  [dkaswal@barc.gov.in](mailto:dkaswal@barc.gov.in) | - | - | **√** | 1/3 |
|  | | Environment Protection CHD 32 (CH) | (Dr.Atul Narayan Vaidya)  Director, NEERI  [director@neeri.res.in](mailto:director@neeri.res.in) | - | - | - | 0/3 |
| 1. C | | Solid Waste, CHD 33 (CH) | Dr.(Mrs). Anuradha Shukla,  [anuradha.crri@gmail.com](mailto:anuradha.crri@gmail.com)  In Personal Capacity | - | **√** | **√** | 2/3 |
|  | | Environmental Management, CHD 34 (CH) | Dr. S. K. Sharma  [sks\_erc@yahoo.com](mailto:sks_erc@yahoo.com)  In personal capacity | **√** | - | **√** | 2/3 |
|  | | Air Quality, CHD 35 (CH) | Dr. (Mrs) Gauri Pandit, in personal capacity  [ggp369@yahoo.co.in](mailto:ggp369@yahoo.co.in) | **√** | **√** | **√** | 3/3 |
|  | | Water Quality, CHD 36 (CH) | Shri N Raveendheer, EPTRI  [nraveendhar@rediffmail.com](mailto:nraveendhar@rediffmail.com) | **√** | - | **√** | 2/3 |

**C= Coopted, WD = withdrawal, CH = Chairperson, R= Regret, PHY=physically attended**

**3.2.2** The member organizations are requested to intimate Chemical Department, BIS at the e-mail addresses [hchd@bis.gov.in](mailto:hchd@bis.gov.in) and [chd@bis.gov.in](mailto:chd@bis.gov.in) regarding any change in the name, designation, address, e-mails, telephoneno., etc. of the nominees pertaining to CHDC or its sectional committees so that information available in the public domain are upto date to the extent possible. This is all the more important as all issues relating to technical committees are now being communicated electronically.

***The Council may NOTE.***

## 3.3 Guidelines for Review of Composition of CHDC

**3.3.1** During the internal review of composition by BIS, guidelines have been provided by DG through office order dated 03 January 2023 for review of composition *of Divisional Council and* Technical Committees (TC).

Keeping in view the present composition of Council at **3.2.1** vis-a-vis guidelines, composition of CHDC may be reviewed.

***The Council may REVIEW.***

**3.3.1.2 Co-option in CHDC**

As per guidelines the Council approved withdrawal of the organizations having 0/3 attendance. After withdrawal from CHDC, the following organizations again approached for representation in CHDC and sent their nominations:

1. CSIR- Central Glass & Ceramic Research Institute, Kolkata
2. Ministry of Chemical and Fertilizers Department of Chemical and Petrochemicals, New Delhi

**3.3.1.3 Withdrawal of Organization from CHDC**

In line with the BIS’ guidelines for participation in the technical committee work of BIS & the process reform measures of BIS and particularly the letter no. P&C/09/18/2023-PNC-BIS dated 09 November 2023 from DG BIS, the following organizations have 0/3 attendance and recommend for withdrawal:

1. Export Council of India, New Delhi
2. Steel Authority of India Limited (SAIL), New Delhi

**3.4 Implementation of Standardization Module**

Standardization module has been established to help the members/non members to comment on the documents from all the sectional committees

In this module, all technical committee members have been provided the registration facility to access the module in the committee(s) where they are represented. The members are recieving communication for relevant information through auto-generated e-mails on all activities of the concerned committees and will be able to respond accordingly through the module.

In this module, the following features have been added:

* Efficiency index of Technical Committees
* Attendance sheet of Technical Committee Meetings

***The Council may NOTE.***

**3.5 Reappointment of Chairperson of Chemical Division Council**

The tenure of Dr. Sourav Pal, Prof.(HAG), as the Chairperson of CHDC upto 20Aug 2026 has been approved by the Chair of Standards Advisory Committee at its 24th meeting held on 06th December 2023.

***The Council may NOTE.***

## Item 4 REVIEW AND RECONSTITUTION OF SECTIONAL COMMITTEES

**4.1 Review of Composition of Sectional Committees**

This has reference to the Tasks appearing on the dashboard of Hon’ble Minister, Ministry ofConsumers Affairs, Food and Public Distribution, New Delhi, requiring action to be taken on part of BIS. These tasks are as under:

**Task 714** : May re-examine all 300 committee. Extract data, total number, names andbackground of members present in the committee for more than 5-10 years. May conside rremoving members more than 10 years and for chairman with more than 5 years. Due diligence to be undertaken. May form or dissolve committees wherever required. May also do publicconsultations.

**Task 715** : May institutionalize a mechanism of sending polite letter to members who don’tattend committee meetings for two consecutive times and considers striking their names afterthe third meeting.

**Task 737** : BIS to reconstitute technical committees having members who have served more than 5 years of their tenure in their personal capacity or belonging to any private institution.

**4.1.1 Present Scope and Composition of Sectional Committees**

Present Scope and Composition of all the Sectional Committees functioning under CHDC are given in [**ANNEX-II.**](file:///D:\Rajnish%20D%20Drive\ALL%20CHD%20COMMITTEES%20FOLDERS\सीएचडीसी%20CHDC\28th%20meeting\FINAL%20AGENDA%20AND%20PROCEEDINGS\ANNEXES\ANNEX%20II%20COMPOSITION%20OF%20SECTIONAL%20COMMITTEES.docx)

**

<https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/dgdashboard/committee_sso/committeeDetails/62>

The Council has reviewed the composition of all the Sectional Committees in CHDC meeting held on 13 06 2022 and reconstitution of sectional committees will be due after three years i.e. in 2025 as per guidelines.

***The Council may REVIEW.***

**4.2 REVIEW OF SECTIONAL COMMITTEES**

**4.2.1 Transfer of CHD 32, 33 and 34 to EED (Environment and Ecology Department)**

A new department Environment and Ecology has been created in BIS with a view to safeguard the environment, human health, and natural resources. The standards under the purview of this department can define acceptable levels of energy consumption, waste management procedures, and other measures for environmental and ecological preservation. They can encompass a wide array of activities such as addressing air and water pollution, proper disposal of hazardous waste, and conservation of biodiversity. Adhering to these standards can enhance environmental performance by offering clear and consistent guidelines for businesses and governments. Furthermore, it can contribute to lowering pollution levels, preserving natural resources, and safeguarding biodiversity, thereby addressing issues related to air and water quality, waste management, and climate change. Ultimately, the implementation of these standards can lead to an overall improvement in environmental performance throughout the region and help reduce the environmental impact of businesses and governments.

Standards Advisiory Committee has already approved the transfer of the following committees from CHD to EED.

* Environment Protection Sectional Committee, CHD 32
* Solid Waste Management Sectional Committee, CHD 33 and
* Environment Management Sectional Committee, CHD 34

Accordingly, the above committees of CHD may be transferred to EED as these subjects are more relevant to Environment and Ecology Department.

***The Council may NOTE.***

## 4.2 Recommendations for withdrawal of Representation from Sectional Committees

**4.2.1** In line with the BIS guidelines for participation in the technical committee work of BIS & the process reform measures of BIS and particularly the letter no. P&C/09/18/2023-PNC-BIS dated 09 November 2023 from DG BIS, attendance of members in sectional committee meeting is sine qua non for its effective and efficient functioning. Accordingly, the attendance of member organizations of all committees under CHDC was reviewed and the organizations which were observed to be absent from two consecutive meetings of the SC and/or fifty percent or more meetings of the Sectional Committee in a year have been recommended for removal from the committee composition.

**4.2.2** The Sectional Committees during the course of their meetings held since the last meeting of Chemical Division Council reviewed the composition of the concerned committees taking into consideration the advice of the Division Council and also its own review process. Accordingly, various committees recommended withdrawal of representations given to the organizations in view of their lack of participation/interest, the organizations having declined to accept the offer,etc. List of such organizations are given below:

**WITHDRAWAL OF REPRESENTATION**

|  |  |  |
| --- | --- | --- |
| Sectional Committee | Names of Organization | Reason |
| CHD 5 Electroplating chemicals and photographic materials | 1. Consolidated Metal Finishing Pvt. Ltd. | Non participation |
| CHD 6 Industrial Gases | 1. Department of Electronics 2. DPIIT 3. Indian institute of Science, Bangalore 4. Indian Metrological Department 5. ISRO 6. Alchemie Gases & Chemicals 7. CSE 8. IIT, Delhi 9. International Industrial Gases Ltd. | Non participation  Nomination not received from these organizations. |
| CHD 8 Occupational Safety and Health | 1. RDSO | Non participation |
| CHD 9 Ceramicware | 1. Ants Ceramics Private Ltd., Thane 2. Bhabha Atomic Research Centre, Mumbai 3. National Institute of Technology, Rourkela 4. Controller of Quality Assurance,DGQA Kanpur 5. FSSAI 6. Radheyshyam Industries 7. C-Met 8. Office of Dev.Commissioner (MSME), New Delhi | Non participation  Already member in CHD 09 as DGQA, New Delhi  Nomination not received.  Nomination not received  Nomination not received.  MSME testing Center is already member. |
| CHD 14 Priniting Inks, Stationary and Allied Products | 1. Shri R N Ghosh, in personal capacity 2. Shri A K Sinha, in personal Capacity 3. FSSAI | Non participation  Non participation  Nomination not received after various mails |
| Chd 15 Paper and its products | Govt. Printing, West Bengal | Non participation |
| CHD 16 Paperbased packaging materials | 1. Safepack Industries 2. Siegework India 3. Store Enso Industries | Non participation |
| CHD 17 Leather, tanning materials and allied products | 1. CGSI, Mumbai | lack of expertise in leather, as stated in the mail received from them. |
| CHD 19 Footwear | 1. DGQA 2. SLEEN | Non participation |
| CHD 20 Paints, varnishes and related products | 1. Pidilite Industries 2. Central Public Works Dept., New Delhi 3. Directorate of Naval Architectural 4. Ministry of Defence, Department of Standardization | Non participation |
| CHD 21 Rawmaterials for paints, varnishes and its products | 1. National Metallurgical Lab, Buramines, Jamshedpur 2. Tata pigment 3. Atul limited | Non participation  Nomination not received |
| CHD 23 Brushware, lac and lac products | 1. DPIIT 2. Department of Marketing and Inspection, Faridabad 3. Pidilite industries 4. Reckett and Benckiser 5. The Jharkhand state Co-op Lac Marketing & Procurement Fed Ltd., Ranchi 6. National Bamboo 7. Western Railway 8. Central Railway 9. Rail Coach Factory 10. Asian Paints, 11. Integral Coach Factory 12. Renshel Exports 13. Tajna Shellac 14. Tribal Cooperative Mktg. Development federation of India, Delhi 15. Northern Railway | Non participation of these organizations |
| CHD 27 Thermal Insulation | 1. Bureau of Energy Efficiency 2. CIPET, Chennai 3. CEA, New Delhi 4. CII, New Delhi 5. NTPC, New Delhi 6. National College of Fire and Safety Engg., Nagpur 7. SIIR, New Delhi 8. UP Twiga Fibreglass | Non participation  Merged in Saint Gobain |
| CHD 30 Nuclear energy for peaceful application | 1. Nuclear Fuel Complex 2. All India Institute of Medical Science 3. BHAVINI, Kalpakam 4. Hindustan Construction Company | Non participation  Nomination not received  Nomination not received.  Nomination not received. |
| CHD 33 | 1. National Solid Waste Association of India |  |
| CHD 35 Air Quality | 1. Dr.Sanjib Goswami, in personal capacity | As he is now represent Envirocare East Pvt. Ltd. |
| CHD 36 Water Quality | 1. Dr.Sanjib Goswami, in personal capacity 2. Department of Engg., IIT, Madras 3. BHEL | As he is now represent Envirocare East Pvt. Ltd.  Inactive |

***The Council may CONSIDER and APPROVE.***

## 4.3 Recommendations for Co-option in Sectional Committees

The Sectional Committees during the course of their meetings held since the last meeting of Chemical Division Council also considered representation to some organizations in view of their interest/expertise in the activities of the concerned committee. The list of organizations co-opted by various Sectional Committees in view of their need for association in the work of the respective Sectional Committees is given below:

**RECOMMENDATIONS ON CO-OPTION IN SECTIONALCOMMITTEES**

|  |  |
| --- | --- |
| Sectional Committee | Name of organization |
| CHD 5 Electroplating and Photographic Materials | 1. Parekh Industries Ltd. Mumbai |
| CHD 8 Occupational Safety and Health | 1. CIMFR 2. CLRI, Chennai 3. Directorate of Standardization, Ministry of Defence, New Delhi 4. DGFASLI 5. Larsen & Tubro 6. Cement Manufacturers’ Association |
| CHD 9 Ceramicware | 1. M/s Ceramic Tableware & Kitchenware Manufacturers Association |
| CHD 10 Glass, glassware and laboratoryware | 1. Shri Devendar kumar, in personal capacity 2. Shri Srikant Gangan, in personal capacity |
| CHD 13 Water for industrial purposes | 1. Indian Chemical Council (withdrawan in last meeting but after that he attended two meetings) 2. BARC, Water and Stream Chemistry Division ,Kalpakam (withdraw in last meeting but attended next meeting so coopted) |
| CHD 15 Paper and its products | 1. DPIIT 2. DGQA 3. NTH |
| CHD 16 Paperbased packaging materials | 1. DPIIT |
| CHD 19 Footwear | 1. CFTI, Chennai |
| CHD 20 Paints, varnishes and its related products | 1. Shalimar paints |
| Chd 21 Rawmaterials for paints, varnishes and related products | 1. Shalimar paints 2. HBTU 3. MSME 4. ISSPA |
| CHD 23 Brushware, lac and lac products | 1. Wecare Brush |
| CHD 25 Soaps, Detergents and Surface Active Agents | 1. Bengal Soaps and Detergents Manufacturers Welfare Association 2. ASSOCHAM 3. DGQA 4. Oil Technologist Association of India |
| CHD 27 Thermal Insulation | 1. Rockwool Insulation Manufacturers’Association |
| CHD 30 Nuclear energy for peaceful application | 1. Dr. B R Ambedkar National Insistute of Technology, Jalandhar |
| CHD 32 Environment Protection | 1. DGFASLI 2. CSMCRI, Bhavnagar 3. Ministry of Jal Shakti, New Delhi |
| CHD 33 Solid Waste Management | 1. IIT, Bombay 2. IIT(ISM), Dhanbad 3. IMMT, Bhubaneswar 4. CPHEEO, MoHUA |
| CHD 34 Environment Management | 1. Center for Study of Science, Technology and Policy (CSTEP), Bengaluru. 2. Carbon Minus India, New Delhi 3. Indian Chemical Council 4. Quality Council of India 5. Prof. Sadhan Kumar Ghosh, in personal capacity |
| CHD 35 | 1. Envirocare East Pvt. Ltd 2. Dyson Technology Pvt Ltd, Gurugram 3. IIT, New Delhi |
| CHD 36 Water Quality | 1. Envirocare East Pvt. Ltd. 2. BHEL |

***The Council may CONSIDER and APPROVE*.**

## 4.4 Appointment/Re-appointment of Chairperson of Sectional Committees

**4.4.1** Details of the Chairperson of all the Sectional Committees functioning under CHDC are given below as approved during the last meeting of CHDC. Since the tenure of the Chairpersons of Sectional Committees is for three years, tenures of some of the Chairpersons may be ending in 2023.

**CHAIRPERSONS OF SECTIONAL COMMITTEES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Technical Committee** | **Name of Chairperson, Designation, Organization, Address, Tel/Fax No.** | **Interest**  **(Representing Govt. / Industry etc.)** | **Tenure** | **Year/Date**  **of Appointment** |
| Inorganic Chemicals Sectional Committee,  CHD 1  (By designation) | Director, CSMCRI  (Dr.Kannan Srinivasan)  Central Salt and Marine Chemicals  Research Institute (CSMCRI)  Gijubhai Badheka Marg, Bhavnagar 364002  Tel: 0278- 2566547 (Office)  0278-2522345 (Residence)  Fax: 0278-2567562  E-mail :[skannan@csmcri.res.in](mailto:skannan@csmcri.res.in);  [director@csmcri.res.in](mailto:director@csmcri.res.in) | Govt.  . | Feb 2022  To  Feb 2025 | March 2005 |
| Electroplating & Photographic Materials Sectional Committee, CHD 5  (By designation) | Director/Scientist, CECRI  (Dr. B Subramanian, Sr. Principal Scientist & Head)  Electroplating & Metal Finishing Division  CECRI, Karaikudi 630006  TAMILNADU  Tel: 227550-227559 Extn:257  Fax: 04565- 427713, 427779  E-mail:[bsmanian@cecri.res.in](mailto:bsmanian@cecri.res.in)  Mob. : 9443465544 | Govt. | Nov. 2023  To  Nov.2026 | June 2006 |
| Industrial Gases Sectional Committee,  CHD 6  (Nominated by NPL) | Dr. Tuhin Kumar Mandal,  Head, Environmental Sciences Division, CSIR – National Physical Laboratory  [tuhin@nplindia.org](mailto:tuhin@nplindia.org)  9818479956 | Govt. | Dec. 2023  To  Nov. 2026 | Nominated in Dec. 2020 |
| Chemical Hazards Sectional Committee, CHD 7  (By designatioin) | DG, NSC  (Shri Lalit Gabhane)  [dgoffice@nsc.org.in](mailto:dgoffice@nsc.org.in)  9731829100 | Govt. | Feb 2023  to  Feb. 2026 | February 2023 |
| Occupational Safety, Health and Chemical Hazards Sectional Committee, CHD 8  (By designation) | DG, NSC  (Shri Lalit Gabhane)  [dgoffice@nsc.org.in](mailto:dgoffice@nsc.org.in)  9731829100 | Govt. | July 2022  To  July 2025 | August 2010 |
| Ceramicware Sectional Committee,  CHD 9  (By Designation) | Director,  Central Glass Ceramic Research Institute (CGCRI),  196, Raja S. C. Mullick road,  Jadavpur,  Kolkata – 700032  Phone : 033 2473 5829 ; 2483 9241  9836728726  Fax : 033-2473 0957  Email : [director@cgcri.res.in](mailto:director@cgcri.res.in) ; [muralee@cgcri.res.in](mailto:muralee@cgcri.res.in) | Govt. | Feb 2022  To  Feb 2025 | March 2005 |
| Glass, Glassware and Laboratoryware Sectional Committee,  CHD 10  (By Designation) | Director,CGCRI,  196, Raja S. C. Mullick road,  Jadavpur,  Kolkata – 700032  Phone : 033 2473 5829 ; 2483 9241  Fax : 033-2473 0957  Email : [director@cgcri.res.in](mailto:director@cgcri.res.in); [muralee@cgcri.res.in](mailto:muralee@cgcri.res.in) | Govt. | Feb 2022  To  Feb 2025 | March 2005 |
| Water Quality Sectional Committee, CHD 13  (By designation) | Head, Desalination Division, BARC  Shri K P Bhattacharya,  Bhabha Atomic Research Centre,  Trombay,  Mumbai – 400085.  Tel: 022-25594619; 25594625; 25568167( R)  Fax: 022 – 25505151  [kpbhatt@barc.gov.in](mailto:kpbhatt@barc.gov.in) | Govt. | Feb 2022  To  Feb 2025 | December 2011 |
| Printing Inks, Stationery and Allied Products Sectional Committee,  CHD 14  (nominated by Govt. of India Stationary) | Govt. of India Stationary Office  (Shri Subir Kumar Mandal)  Superintendent, Govt Printing, Govt. of West Bengal under Department Industries, Commerce and Enterprises  [subirkumarmandal70@gmail.com](mailto:subirkumarmandal70@gmail.com) | Govt. | Feb 2022  To  Feb 2025 | March 2005 |
| Paper and its Products Sectional Committee,  CHD 15  (by designation) | Director,CPPRI  (Dr.L P Singh)  Tel: 9837031050  [director.cppri@gmail.com](mailto:DIRECTOR.CPPRI@GMAIL.COM)  [dg@ncbindia.com](mailto:dg@ncbindia.com) | Govt.  Dr. M K Gupta, Director, CPPRI has been superannuated and Dr. L P Singh, DG, NCCBM has taken over the charge of Director, CPPRI.  As the Chairperson of CHD 15 is by designation, the mail was sent to Dr. L P Singh, Director, CPPRI for his consent to accept Chairpersonship of CHD 15. He accepted the Chairpersonship of CHD 15. In this regard mail received on19 July 2024 is also find below **(ANNEX III)** | Dec 2023  To  Nov 2026  The Council may ***NOTE.*** | March 2005 |
| CHD 16 Paper based packaging material  (by designatioin Director and he nominated Dr. Tanweer Alam, Joint Director) | Dr. Tanveer Alam,  Professor, IIP  [amtanweer@rediffmail.com](mailto:amtanweer@rediffmail.com)  Mobile :   9599190704 | Govt.  The tenure of Dr. Tanweer Alam as Chairperson of CHD 16 is till October 2024. | October 2021  To  October 2024  **Proposal**  Continuation the tenure of Dr. Tanweer Alam is proposed for next three years for Chairpersonship of CHD 16 i.e. October 2027.  The Council may ***APPROVE.***  *.* | Director, IIP (by designation) was the Chairperson since March 2016.  In August 2023 he nominated Dr. Tanweer Alam as Chairperson, CHD 16. |
| Leather, Tanning Material and Allied Product  Sectional Committee, CHD 17  (BY designation) | Dr. K J Sreeram,  Director,CLRI  [kjsreeram@clri.res.in](mailto:kjsreeram@clri.res.in)  Mobile :   9840125263 | Govt. | Jan 2023  To  Jan 2026 | March 2005 |
| Footwear Sectional Committee, CHD 19  In personal capacity | Dr. B N Das  [bhabendra@gmail.com](mailto:bhabendra@gmail.com) | In personal capacity | Feb 2022  To  Feb 2025 | Dr. B N Das represented CLRI since March 2005 and after superannuatioin from CLRI, he continued in personal capacity since 2019. |
| Paints, Varnishes and Related Products Sectional Committee, CHD 20  (nominated by committee) | Shri P A Mahanwar  Vice Chancellor, Punyashlok Ahilyadevi Holkar Solapur University, SolapurContact: +919324134190  Email ID :  [vco@sus.ac.in](mailto:vco@sus.ac.in) | Govt. | October 2022  To  October 2025 | October 2022 |
| CHD 21 Raw materials for paints, varnishes and related products  (in personal capacity) | Prof. A S Khanna,  in personal capacity  [anandkh52@gmail.com](mailto:anandkh52@gmail.com)  Mob. 9967671883 | In personal capacity | Feb 2022  to  Feb 2025 | March 2016 |
| Brushes, Polishes, Lac & Lac Products Sectional Committee, CHD 23  (by designation) | Director  (Dr. Abhijit Kar)  National Institute Of Secondary Agriculture  (Formerly Indian Institute of Natural Resins and Gums),  Div. of Transfer of Technology  Ranchi 834010  [director.icar.nisa@gmail.com](mailto:director.icar.nisa@gmail.com)  9811703487 | Govt. | Feb 2022  To  Feb 2025 | March 2005 |
| Soaps and Other Surface Active Agent Sectional Committee, CHD 25  (nominated by the committee) | Dr.P K S Yadav, Professor,  HBTU, Kanpur | Govt. | June 2023  To  June 2026 | June 2023 |
| Explosives and Pyrotechnics Sectional Committee,  CHD 26  (by designation) | Director, HEMRL  (Dr.A P Dash)  [director.hemrl@gov.in](mailto:director.hemrl@gov.in) | Govt. | September 2022  To  September 2025 | September 2022 |
| Thermal Insulation Sectional Committee, CHD 27  (by designation Director, CBRI but he nominated Dr. Harpal Singh from CBRI) | Dr. Harpal Singh  Chief Scientist  CBRI  [harpal@cbri.res.in](mailto:harpal@cbri.res.in) | Govt. | Feb 2022  To  Feb 2025 | 10 June 2022 |
| Nuclear Material Sectional Committee,  CHD 30  (Nominated by BARC) | Dr D. K. Aswal  OS & Director, HS&EG, BARC (Ex-Director, NPL)  [dkaswal@barc.gov.in](mailto:dkaswal@barc.gov.in)  022-25593603 | Govt. | December 2021  To  December 2024 | December 2021 |
| Environment Protection Sectional Committee, CHD 32  (by designation) | Director,  (Dr. Atul Narayan Vaidya)  National Environmental Engineering Research Institute,  Nehru Marg, Nagpur 440020  [director@neeri.res.in](mailto:director@neeri.res.in); | Govt. | Feb 2022  To  Feb 2025 | December 2011 |
| Solid Waste Management sectional committee, CHD 33  (in personal capacity) | Dr.(Mrs.) Anuradha Shukla,  In personal capacity  Mobile no. 981005373  [anuradhacrri@gmail.com](mailto:anuradhacrri@gmail.com) | In personal capacity | Feb 2022  To  Feb 2025 | Dr. Anuradha Shukla represented CRRI and was the chairperson of CHD 33 since March 2016. She continued in personal capacity since August 2020. |
| Environmental Management Sectional Committee,  CHD 34  (in personal capacity) | Dr. S.K. Sharma, in personal capacity  769, Sector 16  Panchukla  Chandigarh – 134113.  Tel: 9815654192;  0172-2563709, 2534923  [sks\_erc@yahoo.com](mailto:sks_erc@yahoo.com); | In personal capacity | Feb 2022  To  Feb 2025 | Dr. Sharma was represented Punjab University and Chairman of CHD 34 after superannuation from Punjab University he is the chairman of CHD 34 in personal capacity since March 2016. |
| Air quality Sectional Committee, CHD 35  (In personal capacity) | Dr. (Mrs.) Gauri Pandit    [ggp369@yahoo.co.in](mailto:ggp369@yahoo.co.in) | In personal capacity | Feb 2022  To  Feb 2025 | she represented BARC since March 2015 and after superannuation in September 2018 she continued in personal capacity. |
| Water Quality Sectional Committee, CHD 36  (Nominated by Committee) | Sr. Environment Scientist, Telangna State Pollution Control Board (TSPCB)  (Dr. N Raveendheer),  Chief Scientist  Environment Protection Training and Research Institute  91/4, Gachibowli – Miyapur Rd, Indira Nagar, Gachibowli, Hyderabad, Telangana 500032  [nraveendhar@rediffmail.com](mailto:nraveendhar@rediffmail.com) | Govt. | Feb 2022  To  Feb 2025 | March 2014 |

**The Council may *DELIBERATE.***

**4.5.1 Proposals for Chairpersons of Sectional Committees**

Since the last meeting of CHDC, Chairpersons of some of the Sectional Committees have retired from their respective organizations, necessitating appointment of new Chairpersons as proposed above. Appreciation to the ex-Chairpersons of the committees who are succeeded by the existing chair person are also proposed below:

**4.5.1.1 Chairperson of Paper and its Products Sectional Committee, CHD 15**

Dr.M K Gupta has been superannuated from CPPRI and Dr. L P Singh has taken over the charge of Director, CPPRI and Chairperson of CHD 15.

The Council may place on record its appreciation for the contributions made by Dr.M K Gupta, CHD 15.

***The Council may NOTE.***

## ITEM 5 REVIEW OF SCOPES OF SECTIONAL COMMITTEES

## 5.1 Present scope of all the Sectional Committees functioning under CHDC along with composition is given in [Annex II](#ANNEX2). The council may kindly note that the scope of all sectional committees hasbeen rationalized to make it simple and brief for easy understanding.

***The Council may NOTE.***

## 5.2 Recommendation of Sectional Committees for Change of Scope

## There is no proposal received from any Sectional Committee.

**ITEM 6 TRANSFER OF SUBJECTS**

**6.1 Request for Transfer of Subjects from other Divisional Councils of BIS to CHDC**

**6.1.1 Transfer of standards from TEDC to CHDC**

In 30th meeting of TEDC held on 18 March 2024, it has been decided to transfer the following standards to CHDC as these subjects are more relevant to CHDC.

|  |  |  |  |
| --- | --- | --- | --- |
| Sl.No. | IS No. | Title | Transfer to |
|  | IS 10106 (Part 2/Sec 2): 1983 | Packaging code: Part 2 packaging materials section 2 paper and paper board | CHD 16 |
|  | IS 10106 (Part 4/Sec 2): 1984 | Packaging code: Part 4 packages section 2 paper and paper-based packages | CHD 16 |
|  | IS 10106 (Part 4/Sec 4): 1984 | Packaging code: Part 4 packages section 4 glass containers | CHD 10 |

***The Council may CONSIDER and DECIDE.***

## 6.2 Recommendations for Transfer of Subjects from Chemical Divisional Council to other Councils

There is no proposal received from any Sectional Committee.

## 6.3 Recommendations for Transfer of Subjects from One Sectional committee to other Sectional Committee of CHDC

There is no proposal received from any Sectional Committee.

**6.4 Withdrawal of Indian Standards**

**6.4.1 Withdrawal of IS 1060(Part 4/Sec 11) : 2014 Methods of sampling and test for paper and allied products: Part 4 methods of test for paper, board and pulp: Sec 11 determination of acid soluble magnesium, calcium, manganese, iron, copper, sodium and potassium**

**IS 6213: 2013 Methods of test for pulp:**

**Part 12 Determination of calcium content (first revision)**

**Part 13 Determination of copper content (First Revision)**

**Part 14 Determination of iron content (First Revision)**

**Part 15 Determination of manganese content (First Revision)**

In 33rd meeting of CHD 15 held on 25 07 2024, the committee decided to revise these standards by identical adoption of ISO 12830 : 2019 which will supersede IS 1060 (Part 4/Sec 11) and IS 6213 (Part 12, 13, 14 and 15). ISO has revised the standard in 2019 expanding the title and scope to cover cellulose nanomaterials as well. Recognizing the benefits of following uniform practices globally, the committee responsible for formulation of this standard, has decided to adopt latest version of ISO 12830 and publish it as part of IS 1060 (Part 8) series, which provides methods of test for paper, board, pulp and cellulose nanomaterials.

## ITEM 7 NEW SUBJECTS IDENTIFIED FOR STANDARDIZATION

**7.1 Annual Action Plan (AAP) 2024-25**

It has been decided to prepare Rolling Annual Action Plan 2024-25 (AAP) for the formulation of new standards and the review of existing standards on the basis annual programmes for standardization prepared by the Ministries and the inputs from the Standardizaton Cells of the industry associations.

Accordingly, CHD organized Webinar with standardization cells of Department of Atomic Energy (DAE) and Ministry of Environment, Forests and Climate Change on 19 January 2024. Both the ministries have been requested to submit the subjects as they would like to take up as part of AAP 2024-25.

CHD also organized a consultative Webinar with Industry Associations and BIS Licensees for Framing Rolling Annual Action Plan 2024-25 in the Field of Chemicals on 13 February 2024.

**7.2** In the course of their activities,various Sectional Committees considered proposals for formulation of Indian standards relating to their field of scope and recommende do include them in their programme of work subject to the approval by the Council. List of New Subjects proposed by various Sectional Committees is given below:

|  |  |
| --- | --- |
| Sectional Committee |  |
| CHD 08 Occupational Safety and Health | * Adoption of ISO 16321-2 : 2021 |
| CHD 10 Glass, Glassware, Laboratoryware | * Chemically tempered screen glass protectors * Test Methods for Chemical Analysis of Glass |
| CHD 20 Paints, varnishes and its related products | * Evaluation of degradation of coatings – designation of quantity and size of defects, and of intensity of uniform changes in appearance * Water based polyurethane enamel paint (two components) * Water based epoxy zinc phosphate primer (two components * Water based polyurethane base surfacer (two component) * Water based polyurethane base knifing filler (two components) |
| CHD 21 Rawmaterials for paints, varnishes and related prducts | * Test method standard for determination of toxic heavy metals in paints and raw materials * Effect pigment in paints |
| CHD 25 Soaps, Detergents and Surface Active Agents | * Liquid cleaner (for baby feeding plastics bottles and plastics, rubber and silicon baby accessories) |
|  |  |
| CHD 27 Thermal Insulation | * Rigid Cellular Plastics — Thermal Insulation Products for Buildings — Extruded Polystyrene (XPS) Insulation Board |
| CHD 30 Nuclear energy for peaceful application | * Measurement of environmental tritium in water for hydrological studies. * Measurement of radiocarbon in water for groundwater dating purposes. * Measurement of deuterium in water. * Preparation of standards for oxygenated isotopes in water for hydrological studies. * Residence and distribution measurement in process reactors by using radiotracer * Radioactive particle tracking technique for flow resolution in process reactors. * Code of practice on probabilistic risk assessment of Nuclear Power Plants |

***The Council may CONSIDER and APPROVE.***

**7.2 Withdrawal of New Subjects of Sectional Committees**

**DELETION OF NEW SUBJECTS**

|  |  |  |
| --- | --- | --- |
| Sectional Committee | SUBEJCT | Reason |
|  | NIL |  |

**Item 8 PROGRESS ON TECHNICAL ACTIVITIES OF CHDC – NATIONAL**

**8.1 Program of work**

Program of Work of the Chemical Department enlisting the Indian Standards under the purview of various Sectional Committees of Chemical Divisional Council is now synchronise with updated data base on standardization and is live and available at:

<https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/pow_new/>

***The Council may NOTE.***

**8.2 Aspect-wise details of Indian Standards**

The Aspect-wise break-up of Indian Standards (IS) formulated by CHDC as on 31st  July 2024 is given below:

|  |  |
| --- | --- |
| Product: | 1156 |
| Code of Practices : | 163 |
| Methods of Test : | 714 |
| Terminology : | 40 |
| Others  Dimensions | 126  17 |

Total 2216

***The Council may NOTE.***

## 8.3 Standards Processed for Publication

During the period from **1st February 2024 to 31st July 2024**, 145 documents (standards + amendments) were processed for printing.

***The Council may NOTE.***

## 8.4 Progress of technical committee work

A brief report on the progress of technical committee work during the from **1st February 2024 to 31st July 2024** is given below:

## a) Meetings Held

|  |  |
| --- | --- |
| Division Council Meeting | 1 |
| Sectional Committees | 38 |
| Subcommittees | 21 |
| Panels | 59  4 |
| Working Group | 4 |

**b) Documents Processed**

|  |  |
| --- | --- |
| ISS sent for printing | 135 |
| Amendments sent for printing | 10 |
| Draft IS’s finalized | 135 |
| Draft standards issued inWC | 179 |
| Draft amendments issued in WC | 12 |
| Preliminary draft standards circulated | 0 |
| Total number of standards reviewed | 214 |
| Standards reaffirmed | 210 |

***The Council may NOTE.***

**8.5 Major and Important Work carried out by Sectional Committees since the last CHDC Meeting**

Generally, the important activities taken by all sectional committees under CHDC are informed to Division Council during the meeting of Division Council. The important activity of CHD during this period is given below:

**8.5.1 23rd Plenary meeting of ISO/TC 216 and its WGs**

23rd Plenary meeting of ISO/TC 216 and its WGs was held during 27-29 February 2024 at Madrid, Italy. Dr. B.N Das (Chairperson CHD 19) , Mr. Aditya Prakash Sharma (Member CHD 19),Shri Ajay K Lal,Sc-F and HCHD and Ms Preeti Prabha,Sc-C physically attended the meeting, outcome of which is given below:

**8.5.1.1 ISO/TC 216/WG 2 and ISO/TC 216/WG 3 Meeting on 27 February 2024** - Comments provided on ISO/DIS 16179, ISO/DIS 20686 and NWIP/WD 23777 were discussed under WG 2. Comments provided on ISO/DIS 19952 were discussed under WG 3. Most of the comments provided by India accepted during the meeting, which played a crucial role in advocating for India’s interests and perspectives in the standardization process of footwear.

**8.5.1.2 ISO/TC 216/WG 1 and ISO/TC 216/WG 5 Meeting on 28 February 2024 -** Comments provided on ISO/DIS 20358, ISO/DIS 20939,ISO/DIS 20952,ISO/DIS 20961,ISO/DIS 20995 and ISO /DIS 23889 were discussed under WG 1. Comments provided on ISO/DIS 16187 were discussed under WG 5. Most of the comments provided by India accepted during the meeting, which played a crucial role in advocating for India’s interests and perspectives in the standardization process of footwear.

**8.5.1.3 ISO/TC 216 meeting on 29th February 2024** - Recommendations of WG 1,WG2,WG 3 and WG 5 were approved by TC 216. On the recommendation of India Member Body,ISO/TC 216 agreed to propose the revision of ISO/TC 216 scope. The scope proposed is: Standardization of test methods, terminology and performance requirements for footwear and footwear components. Excluded: footwear for professional use (already covered by ISO / TC 94) and sizing system designation and marking for boots and shoes (dealt with by ISO / TC 137).

## 8.5.2 Convention for Deans and Heads of Departments (HoDs) of MoU Partner institutions

BIS organized a Convention for Deans and Heads of Departments (HoDs) of MoU Partner institutions of the Chemical Engineering and Chemistry disciplines. The event took place at Dhauladhar Heights Resort, Dhauladhar on the 23rd and 24th of August 2024. The detailed report is given below**: (ANNEX IV)**



***The Council may NOTE.***

**8.5.3 Important work doen by CHD 15**

As CHD 15 has undertaken various important projects during the year, we request to Chairperson, CHD 15 to present a small presentation, highlighting the achievement of CHD 15. (ADDENDA TO AGENDA)



## Item 9 PROGRESSON TECHNICAL ACTIVITIES OF CHDC - INTERNATIONAL

**9.1 ISO Activities**

## 9.1.1 Secretariat/Leadership Responsibilities of ISO Committees/Working Groups

International Organization for Standardization (ISO) is the apex standardization body with an exclusive mandate to prepare and propagate International Standards. The standard development is carried through a number of technical committees which has a defined structure including Secretariat (held by a memberbody of ISO). The Bureau of Indian Standards, the National Standards Body of the country represents India on ISO. Presently, the Chemical Department, on behalf of BIS, holds the Secretariat/leadership responsibilities of the following ISO Technical Committees/Subcommittees/Working Groups:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ISO TC/SC/WG/Adhoc** | **Title** | **Leadership** | **Tenure** | **Committee Manager Team** |
| ISO/TC 120 | Leather | Shri Shafeeque Ahmed, Chairperson | 2021-2024 | Shri Ajay K Lal, Committee Manager  Ms. Preeti Prabha, Committee Manager Support |
| ISO/TC 120/SC1 | Raw Hide and Skins including Pickled Pelts | Dr. C Muralidharan, Chairperson | 2021-2024 | -do- |
| ISO/TC 120/SC 2 | Tanned Leather, and | Dr. Subhendu Chakraborty, Chairperson | 2021-2024 | -do- |
| ISO/TC 120/SC 3 | Leather Products | Dr. B Chandrasekaran, Chairperson | 2021-2024 | -do- |
| ISO/TC 146/SC1 | Stationary source emissions | Dr.Tuhin Kumar Mandal, NPL  Chairperson | 2022-2025 | Shri Ajay K Lal, Committee Manager  Ms. Preeti Prabha, Committee Manager Support |

***The Council may NOTE.***

**9.1.2 ISO meetings held during 1st  February 2024 to 31st August 2024**

**9.1.2.1 ISO meetings organized during 1st  February 2024 to 31st August 2024**

|  |  |  |  |
| --- | --- | --- | --- |
| **Title** | **Date** | **Place(5)** | **Important outcomes** |
| NIL | | | |

**9.1.2.2 Participation in ISO meetings during 1st February 2024 to 31st August 2024**

|  |  |  |  |
| --- | --- | --- | --- |
| **Title** | **Date** | **Place(5)** | **Important outcomes** |
| ISO/TC 94/SC 6 | 09 February 2024 | VC |  |
| ISO/TC 216/WG 2 and ISO/TC 216/WG 3 Meeting at Madrid , Spain | 27-29 February 2024 | Madrid, Spain | On the recommendations of WG 1,WG2,WG 3 and India Member Body,ISO/TC 216, proposal for revision of Scope of ISO/TC 216 as given below:  ‘ Standardization of test methods, terminology and performance requirements for footwear and footwear components. Excluded: footwear for professional use (already covered by ISO / TC 94) and sizing system designation and marking for boots and shoes (dealt with by ISO / TC 137).’ |
| Meeting with ISO TC 6/ SC 2 Secretariat | 27 February 2024 | VC | Discuss the current portfolio of ISO TC 6 SC 2 WG 25 "Surface roughness" and identify actions to be taken by Shri Ak Goel, Scientist E II (CPPRI) representing BIS (India) as the convenor of the Working Group. |
| Meeting of ISO/TC 216/WG 2 "Chemical Test methods for footwear and footwear components" | 09 April 2024 | VC | Discussion on draft standard prepared after incorporating the comments approved on ISO DIS 20686 and ISO DIS 16179. |
| 22nd Plenary meeting of ISO/TC 283 | 16th April 2024 | VC |  |
| 7th plenary meeting of ISO/TC 323 meeting | 02 May 2024 | VC | Discussion on the roadmap for the development of ISO 59014 and ISO/TR 59031 |
| 12th meeting of ISO/TC 282/SC4 ‘Industrial Water resuse | 22 May 2024 | **VC** | Comments provided on ISO documents were discussed in the subcommittees meetings and decision to process the documents for next stage was taken in the subcommittee Meeting. |
| 17th meeting of ISO/TC 282/SC3 ‘Risk and Performance Evaluation of Water Reuse System | 22 May 2024 | VC | Comments provided on ISO documents were discussed in the subcommittees meetings and decision to process the documents for next stage was taken in the subcommittee Meeting. |
| 19th meeting of ISO/TC 282/SC 2 ’Water Reuse in urban areas’ | 23 May 2024 | VC | Comments provided on ISO documents were discussed in the subcommittees meetings and decision to process the documents for next stage was taken in the subcommittee Meeting. |
| 11th Plenary meeting of ISO/TC 282 ‘ Water Reuse | 24 May 2024 | VC | Comments provided on ISO documents were discussed in the subcommittees meetings and decision to process the documents for next stage was taken in the subcommittee Meeting. |
| ISO National Climate Champion Network | 30 May 2024 | VC | ISO London Declaration was discussed. |
| ISO/TC 137,Footwear Sizing,Designation and Marking system | 06 June 2024 | VC | Agenda items were discussed |
| 6th meeting of ISO/TC 207/SC 2/JWG 1 | 10 June 2024 | VC | Discussion on comments received on CD ballots of ISO 14019 part 1, 2 & 4. |
| ISO/IEEC new Directive | 11 June 2024 | VC | Changes in new directives of ISO/IEC were informed by ISO |
| ISO/TC 6/SC 2/WG 25 | 13 June 2024 | **VC** | Discussed the comments of the project leader on revision of ISO 5627 “Paper and board — determination of smoothness (Bekk method)”. |
| 1st meeting of ISO/TC 336/SG 4 and ISO/TC 336/WG 3 | 20 June 2024 | **VC** |  |
| 3rd meeting of ISO/TC 336/SG 4 and ISO/TC 336/WG 3 | 21 June 2024 | **VC** |  |
| ISO/TC 216/WG 2 meeting | 9-11 July 2024 | **VC** |  |

***The Council may NOTE.***

**9.1.5 Balloting On ISO Documents**

India member body has been making all efforts to cast ballots on all the relevant documents circulated by the various ISO technical committees on which we have P membership (59 committees). Till date the balloting achievement has been nearly 100%.

***The Council may NOTE.***

**9.1.6 Upgradation of membership from ‘O’ to ‘P’ in ISO/TC 163 Subcommittees**

CHD 27 is the national mirror committee for ISO/TC 163 and its subcommittees. CHD 27 is having 'P' membership in ISO/TC 163 and 'O' membership in its subcommittees. Earlier, CHD 27 used to have P membership in ISO/TC 163/ SC 1 however, due to some inconsistencies the membership degraded form 'P' to 'O'. Considering the following activities of CHD 27, it was proposed to upgrade the membership of CHD 27 from 'O' to 'P' in the subcommittees SC 1 and SC 3.

1. Adoption of ISO 24285:2022 Thermal insulation for building equipment and industrial installations — Cellular glass products — Specification (under process), developed by ISO/TC 163/SC 3 2. Adoption of ISO 8497:1994 Thermal insulation — Determination of steady-state thermal transmission properties of thermal insulation for circular pipes (under process), developed by ISO/TC 163/SC 1

3. Adoption of ISO 12241 : 2008 Thermal insulation for building equipment and industrial installations — Calculation rules (under process), developed by ISO/TC 163/SC2.

The proposal was already circulated by email dated May 22, 2024 to the committee members, to which no committee member has objected and the committee, CHD 27 formally approved the proposal. CHDC approval has also been obtained.

***The Council may RATIFY.***

**ITEM 10 HARMONIZATION OF INDIAN STANDARDS WITH INTERNATIONAL STANDARDS**

ISO comprising of global experts on various subjects regularly bring out international standards. The respective Sectional Committees on a regular basis review the ISO standards published against the existing national standards, current trade practices, consumer expectations, global trends, etc and decide for review of the published National Standards. In the process, Sectional Committees after a close scrutiny of the ISO Standards, may decide on adoption/adaptation of the ISO standards keeping in view the technical relevance of the subject to the national conditions. Harmonization is not undertaken in case the ISO standards are not relevant to Indian conditions or would put the Indian industry at disadvantage. The sectional committees while reviewing such ISO standards, also explore the possibility of adopting such ISO standards on which no Indian Standards exist.

It has been directed by Competent Authority that all sectional committees of BIS will review their standards and adopt ISO standards against which Indian Standards are available and also review that where ISO standard is available but Indian Standard not available.

No. of Indian Standards harmonized with ISO as on 31st August 2024 = 624

***The Council may NOTE.***

**Item 11 RECENT INITIATIVES IN THE STANDARD DEVELOPMENT PROCESS OF BIS**

**11.1 Workshop, Webinars and Seminars**

A number of steps have been taken for improving engagement with various stakeholders and facilitating their participation in standardization work. This includes holding of regular webinars with Industries/Industry Associations, Ministries and State Government to understand/determine their standardization needs and expectations, difficulties in implementation of existing standards and identifying gaps in existing standards.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Workshop, Webinar/Seminar** | **Date** | **Outcome** |
|  | BIS Workshop on “Strategic Roadmap for CHD 25” | 06 03 2024 | Prepared and discussed the draft Strategic Roadmap for CHD 25 with the view to prioritise standardisation needs, promote use of CHD 25 standards and encourage participation of inactive stakeholders. |
|  | National Conference on Glass and Glazing Standards at CGCRI, Kolkata | 18 03 2024 | A National Conference on Indian Standards for Glass and Glazing was organized by Bureau of Indian Standards (BIS) on 18th March 2024 at CSIR – CGCRI in Kolkata with an objective to aware and train the entire construction value chain on the new and revised Indian Architectural Glass standards.  Presiding over the National Conference, Dr Suman K Mishra, Chairman, Sectional Committee of Glass and Glassware, BIS and Director, CSIR – CGCRI, delivered the Chief Guest address highlighting the crucial role of standards in nurturing economic growth and innovation. Mr Ajay K Lal, Head, Chemical Department, BIS, in his theme address, said that “BIS is taking very swift actions in bringing out new standards and revising the existing standards for glass and glazing suitable for the ever-changing trends in the construction sector.”  The technical presentations were made by Ms Sheetal Khanna, General Manager, Gold Plus Glass Industry, Mr Hatinder Vohra, National Head – India and South Asia, Vetrotech Saint Gobain, Mr Tushar Zope, Vertical Head, Asahi India Glass Limited, Mr Amit Choudhary, Scientist D, CMD 2, BIS and Mr Mohit Garg, Member Secretary, CHD 10, BIS.  The conference was participated by 100+ participants from Government including Officials from PWD, Kolkata Municipal Corporation, etc., and Industry representatives including glass manufacturers, processors, fabricators, window manufacturers, etc. |
|  | Seminar organized on Sustainability Trends for Printing Inks for Packaging & Stationery Items for Schools at AIIPMA, Mumbai | 28 05 2024 | Important discussions took place on Eco-friendly Printing Inks, Positive list of constituents for inks and Non-Intentionally Added Substances in Inks (NIAS). The seminar was attended by participants from Printing Inks Manufacturing Industries, All India Printing Inks Manufacturers Association, All India Federation of Master Printers, Newspaper Industry (such as Times Group), Stationery Companies like Kokuyo Camlin, Research Institutions/Labs and users like NCERT, Government of India Stationery Office (GISO) etc. |
|  | Workshop on “New Trends in the pulp and paper industries and role of standards” | 25 07 2024 | The workshop provided an oversight on the recent development in the IIT Roorkee and industry in the pulp and paper field. Efforts were made to identify gaps in the standardization in the field. |

***The Council may NOTE.***

**11.2 One day Workshop-cum-brainstorming Session organized by BIS for Chairpersons and Technical Committee members**

BIS organized Workshop-cum-Brainstorming session for Principal Members of CHD technical committees at NITS, Noida on 15 July and 16 August 2024 , This workshop was designed to bring an array of developments being made in our standardization process as well as related portals for bringing out effective standards in a timely manner, and to strengthen India’s position at international level. Members will also be made aware of India’s leading steps towards SMART standards and Online and Collaborative Authoring of Standards.

Hands-on demonstrations of the essential online tools that are vital for our success, will be provided during the programme. In this one-day interactive programme, BIS will also explore the growing need to address

sustainability during the development or revision of standards.

**11.3 Advisory Group on Sustainability**

As Council ***DECIDED*** that Council members shall send their recommendations regarding the composition of the Advisory Group on Sustainability within 15 days after going through the list of officers dealing with sustainability which was attached with the Agenda. After receiving recommendations from members the same will be put up to CHDC Chairperson for approval.

Mail sent to Council Members on 01 April 2024. Recommendations from Chairperson, CHD 01, CHD 20 and CHD 33 has been received as follows:

|  |  |
| --- | --- |
| Recommended By | Composition of Advisory Group |
| Chairperson, CHD 01 | Prof. S. Sivaram  Honorary Professor  IISER Pune  [s.sivaram@iiserpune.ac.in](mailto:s.sivaram@iiserpune.ac.in)    Dr. R. K. Sharma  India Glycols Ltd.  Head- Sustainability & QC    Dr. Richard Lobo  Tata Chemicals Ltd.  Head of R&D and Innovation |
| Chairperson, CHD 20 | Prof. D.D. Kale, Retired Professor, ICT, Mumbai |
| Chairperson,CHD 33 | Shri Jyotin Kutty Sastabhavan,  Chief Sustainability Officer, Tata Motors Ltd. |

***The Council may CONSIDER and DECIDE.***

**11.4 Development of Standard National Action Plan of CHD (SNAP)**

In the last meeting, the Council noted the information about the Standards National Action Plan (SNAP) evolved by BIS for the period 2022-2027 and also noted the various subjects and the status of progress of work on the same.

***The Council may NOTE.***

**11.5 Engagement of consultants in Technical Committees**

In order to hasten the pace and the extent of standardization, to ensure timely delivery and address complex areas/issues effectively, a Scheme for engagement of consultants to support technical committees in the current standardization activities has been started by BIS.

***The Council may NOTE*.**

**11.6 Formation of Search Committee**

As per the guidelines issued under the structural reforms in BIS, every Divisional Council has to constitute a Search Committee with 3 or 4 of its members to recommend the technical experts to be included in Sectional Committees of this Council. Accordingly, a search committee has been constituted by CHDC with the following composition:

1. Shri S. Kaanan, Chairperson, CHD 1
2. Shri K J Sreeram, Chairperson, CHD 17
3. Dr P K S Yadav, Chairperson, CHD 25
4. Shri G D Yadav, Ex-Director, ICT, Mumbai
5. Shri Ajay K Lal, Head, Chemical Department (Convener)

Shri Ajay K Lal as Convener will send a formal letter to all Chairpersons of Sectional Committees for recommendation of new organizations in their respective sectional committees and then convene a meeting of Search Committee after receiving recommendations from all Chairpersons. The mail was sent to all Chairpersons and recommendations received only from CHD 19 Footwear Sectional Committee. After received recommendations, the meeting of Search Committee was convened in which it was decided that composition and scope of first five committees will be sent to all members of Search Committee. Accordingly, the scope and composition of first five committees was sent to the members on 25th August 2023.

Reply from Chairpersons, CHD 1 received on 14 February 2024 and is given below: **(ANNEX V)**



The scope and composition of next five committees will be sent to the members for their recommendations.

***The Council may CONSIDER and DECIDE.***

**11.7 Research Projects To Be Taken Up For Inclusion Of Empirical Data And Insights**

Quality of a standard depends largely on the research data being considered while developing standards. Further, such data also provides insight on the modification required or incorporation of a specific requirement/ parameter in a standard. It is presumed that during the development of a standard the members/ proposer will provide data in support of the proposal/ requirements. In some cases, it is seen that due to lack of such information, the standard does not meet the requirements of the market. BIS management has therefore offered support to committee for taking up research projects to collect empirical data and getting insight for the development of standard.

In this context, BIS has recently issued ‘Guidelines for Research & Development Projects for Formulation and Review of Standards’ with the objective to support and commission research & development projects to generate knowledge, empirical data and insights that would help in formulating new standards and updating & upgrading the existing Indian standards. The following R&D projects have been approved for CHD:

1. Study on safety practices followed in hexane industry.
2. Study on performance characteristics of various types of Thermal Paper.
3. Study on safety practices followed in hexane industry.
4. Study on Evaluating the Efficacy of Small Incinerators/Thermal Processors for Incineration of Sanitary Napkins
5. Study of Properties for Environment-Friendly Printing Inks for Food Packaging.
6. Study on safety practices followed in Chlorosulphonic acid industry
7. Study on the design and performance requirements of Protective leather Clothing
8. Study on the various testing methods for measurement of sulfuf dioxide emissions from stationary sources
9. Study on the methods for determination of total fluorides from emissions from stationary sources
10. Study on the various testing methods used for determination of the concentration of suspended particulate matter in air.

***The Council may NOTE.***

**11.8 Industrial/ Lab visits by Member Secretaries**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Name and Designation**  **of Officer** | **Factory/Industry/Lab visited** | **Actual Date of Visit** |
|  | Shri Virendra Singh, Sc-E | M/s Century Pulp and Paper Mills, Lal Kuan | 07 May 2024 |
|  |  | M/s Sherry Speciality Paper Pvt Ltd, Palghar (Mumbai) Maharashtra | 09 May 2024 |
|  | Shri Mohit Garg, SC-C | Factory Visit at Opetimus Mobile Ltd., Noida | 16 May 2024 |
|  | Ms. Shubhanjali Umaro, Sc-C | Arena Consultants, Mumbai | 16 May 2024 |
|  | Ms. Shubhanjali Umaro, Sc-C | Envirocare Lab, Mumbai | 17 May 2024 |
|  | Ms. Puja Priya, Sc-C | CGCRI Khurja, Ghaziabad | 07 June 2024 |
|  | HCHD and Ms. Preeti Prabha, Sc-C | Avanthi Leathers,Chitoor | 08 August 2024 |

***The Council may NOTE.***

**11.9 Commencement of International Standardization related Work on IR Portal**

BIS has launched a new portal for effectively managing and streamlining all the works related to international relations such as balloting, delegation proposals for attending ISO meetings, etc. The portal may be accessed through International Relations (IR) tile coming after the login in BIS standards portal.

The following work related to participation in International Standardization (ISO and IEC) may be done through this portal:

1. Processing of Ballots including creation of ballot, circulation to committee members, submission of proposed India Vote along with consolidated comments to Chair and Head TD for approval and final Voting done.

2. Creation and/or circulation of ISO/IEC Technical Meetings to Committee Members

3. Processing of Delegation proposal (including all steps)

4. Processing the NWIP/ Revision/ Amendment proposals

5. Processing of New Filed of Technical Activity proposals

BIS now proposes to revitalize the participation in international standradization. For this it has been deceied to search for subject experts throughout India for each document being developed at ISO/IEC. The expert would be require to thoroughly study these documents and prepare comments on the same taking our national interests into consideration. BIS will falicitate on all fronts including their participation in national/international meetings and their nominations in the related Working Groups.

The list of documents which are presently open for balloting is given below: (**ANNEX VI, ANNEX VII AND ANNEX VIII)**



DC members are requested to suggest the experts that can be associated with these projects.

***The Council may CONSIDER AND ADVISE.***

**ITEM 12 KEY DEVELOPMENTS**

**12.1 Thrust Areas**

It has been decided that every Division Council should have a defined thrust area which should take into consideration the standards development required in the given context keeping in viewof the social,environmental and economical consideration.

The thrust area for Chemical Division Council has been identified as ‘Environment,Health and Safety’. Accordingly, thrust areas for the sectional committees functioning under CHDC have been defined. Status of these thrust areas is given below:

|  |  |  |
| --- | --- | --- |
| Sectional Committee | Thrust area | Current Status |
| CHD 07 Chemical hazards | i) Revision of Codes of Safety for Chemicals | Work in progress |
| CHD 14 Printing Inks, Stationary and Allied Products | * Safety requirements in stationery product standards meant for children * Safety requirements in inks used in diapers/toys * Safety requirements in inks used for pharma & hygiene * Safety requirements in the inks for text books used by Children. | Working document awaited. |
| CHD 15 Paper and its products | * Incorporation of Eco Mark criteria in Paper Products” | Recently identified |
| CHD 16 Paper based packaging materials | * Paper based packaging material for food packaging and food serving * Safe, secure and sustainable paper packaging * Life Cycle Assessement of packaging materials | P-draft circulated  Panel created.  Recently identified and discussed in the next meeting of CHD 16. |
| CHD 17 Leather, tanning materials and allied products | •             Formulation of new standards on leather products and revision of existing standards   * Formulation of standard on identification of leather and establishing genuine leather mark   •      Formulation of standards/ guidelines on sustainable manufacturing practices of leather | Work in progress. |
| CHD 19 Footwear | * Formulation of standard for school footwear * Formulation of standard for therapeutic footwear | * Work in progress. * Working document awaited. |
| CHD 20 Paints, Varnishes and Related Products | VOC and Toxic heavy metals | * Work in progress. |
| CHD 21 Raw materials for paints, varnishes and related products | Incorporation of limit of lead and toxic heavy metals in standards of raw materials for paints. | In some standards (around 43) limit has been incorporated and in remaining standards work is in progress. |
| CHD 23 Brushes, polishes, lac and lac products | * Toothbrush for dental care * Use of ecofriendly material in brush * Value added lac products | Identified in recent meeting. |
| CHD 25 Soaps and other surface active agents | * Green labeling of soaps and detergents | ToR approved for the subject and work in progress. |
| CHD 32 Environment Protection | 1. Green Chemistry 2. Terminology, methods of sampling and characterization of soil 3. Guidelines for Zero waste discharge 4. Waste minimization 5. Complete recycle of waste water | Working document is awaited. Committee decided to select some principles of green chemistry such as waste minimigation at once for standardization rather than taking green chemistry as a whole.  P membership in ISO/TC 190/SC 7 Impact assessment is under process.  Work in progress.  Recently identified.  Recently identified. |

As advised by the Council, the Sectional Committees are considering development of standards as per the thrust areas identified and are also exploring upgradation of the existing standards within the ambit of the thrust areas wherever needed.

***The Council may NOTE.***

## Item13 DATE AND PLACE FOR THE NEXT MEETING

## Item 14 ANY OTHER BUSINESS

**Item 15 VOTE OF THANKS**

**ANNEX I**

**(ITEM 2.1)**

**ACTIONS TAKEN ON THE DECISIONS OF THE 28th MEETING**

|  |  |  |
| --- | --- | --- |
| **Item No.** | **Decision of CHDC in the 27th meeting** | **Action taken** |
|  |  |  |
| **3.3.2** | The Council ***NOTED*** the guidelines and reviewed the composition of CHDC. After reviewing the composition CHDC ***RECOMMENDED*** to ***WITHDRAW*** the organizations having 0/3 attendance except Indian Institute of Packaging as this organization attended this meeting. These recommendations will be put up to Standards Advisory Committee for their approval. | **Letter for withdrawal sent on 23rd April 2024 to the following organizations:**   1. **Asian Paints** 2. **CGCRI** 3. **CPWD** 4. **CII** 5. **Department of Science and Technology** 6. **FICCI** 7. **FSSAI** 8. **Kredence Peformance** 9. **Marico Limited** 10. **DCPC** 11. **DPIIT** |
| **4.2** | Recommendations for withdrawal of Representation from Sectional Committees | **Letters sent to all organizations.** |
| **4.3** | Recommendations for Co-option in Sectional Committees. | **Letters sent to all organizations** |
| **6.4.1** | The Council ***APPROVED*** withdrawal of IS 38 : 1976 ‘Specification for Antimony oxide for Paints (First Revision)’ as recommended by CHD 21. | **Action taken and informed Publication to withdraw the standard.** |
| **6.4.2** | The Council ***APPROVED*** withdrawal of IS 3520 : 1992 “Water - Soluble sodium carboxymethyl cellulose – Specification’ and IS 13966 : 1994 “Sodium carboxymethyl cellulose for use in oil industry – Specification” as recommended by CHD 21 | **Action taken and informed Publication to withdraw the standard.** |
| **11.14** | The Council ***DELIBERATED*** and ***DECIDED***  that Council members shall send their recommendations regarding the composition of the Advisory Group on Sustainability within 15 days after going through the list of officers dealing with sustainability which was attached with the Agenda. After receiving recommendations from members the same will be put up to CHDC Chairperson for approval. | **Mail sent to Council Members on 01 April 2024.**  **Reply received from Chairperson, CHD 01, CHD 20 and CHD 33.** |

**ANNEX II**

**(ITEM 4.1.1)**

**COMPOSITION OF ALL SECTIONAL COMMITTEES**

**CHD 1 INORGANIC CHEMICALS**

**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

b) Liaison - To co-ordinate with the work of

i) ISO/TC 47 (restricting to inorganic chemicals)

**DETAILS OF LAST 3 MEETINGS**

|  |  |  |
| --- | --- | --- |
| **No. of Meeting** | **Dates** | **Place** |
| **27TH** | **27 07 2023** | **VC** |
| **28th** | **29 11 2023** | **HYBRID** |
| **29th** | **22 03 2024** | **HYBRID** |

**CHAIRPERSON:Dr. Kannan Srinivasan, Director, Central Salt and Marine Chemicals Research Institute, Bhavnagar**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Organisation Represented** | **Principal/(Alternate) Member** | **Meeting Attendance** | | | |
| **27th** | **28th** | **29th** | **Total** | |
|  | Central Salt and Marine Chemicals Research Institute, Bhavnagar | Dr. Kannan Srinivasan | √ | √ | √ | 3/3 | |
|  | Alkali Mfrs Association of India, Delhi | Shri K Srinivasan  (Dr. H.S.Das) | √ | √ | √ | 3/3 | |
|  | Consumer Education & Research Centre, Ahmedabad | Dr. C. J. Shishoo  (Shri S. Yellore) | √ | √ | - | 2/3 | |
| 1. 25 | DGQA, New Delhi | Dr. A K Kanaujia  Shri B S Tomar | √ | - | √ | 2/3 | |
|  | Geological Survey of India, Kolkata | Shri PVVR Sarma | √ | √ | √ | 3/3 | |
|  | Grasim Industries Ltd., Nagda | Shri Alok Singh  Shri Pankaj Gupta | √ | √ | √ | 3/3 | |
|  | Gujarat Alkalies and Chemicals Ltd, (GACL), Vadodara | Shri Bhavesh Vora  Shri V K Mahida | √ | √ | √ | 3/3 | |
|  | Hindustan Lever Ltd., Mumbai | Vrinda Rajwade  Shri Sojan Varghese | √ | √ | √ | 3/3 | |
|  | Industrial Carbon Pvt.Ltd., Ankleshwar | Shri Satyan Rohit Kumar | √ | √ | - | 2/3 | |
|  | Indian Institute of Chemical Technology, Hyderabad | Dr Praveen R Likhar  (Dr Rajender Reddy) | √ | √ | √ | 3/3 | |
|  | Ministry of Defence (DGQA), Kanpur | Shri R. N. Aparajit | √ | √ | √ | 3/3 | |
|  | Ministry of Chemicals & Fertilizers | Dr. Vishal Choudhary  Dr. Rohit Misra  Dr.O P Sharma | √ | √ | √ | 3/3 | |
|  | National Metallurgical Laboratory, Jamshedpur | Dr. Trilochan Mishra  (Shri Devbrata Mishra) | √ | √ | √ | 3/3 | |
|  | National Mineral Development Corporation Ltd., Hyderabad | Dr Prashant Sharma  Shri Vibhuti Roshan | √ | √ | √ | 3/3 | |
|  | National Physical Laboratory, New Delhi | Shri Nahar Singh  Dr. S P Singh | √ | √ | √ | 3/3 | |
|  | National Test House (NR) | Shri Buddh Prakash  Smt Richa Kundra | √ | √ | √ | 3/3 | |
|  | Office of the Development Commissioner (MSME), New Delhi | Dr Karthikeyan  Smt Anna Backiam | √ | √ | - | 2/3 | |
|  | Shriram Institute for industrial research, Delhi | Dr. (Ms.) Laxmi Rawat  (Shri B. Govindan) | √ | √ | √ | 3/3 | |
|  | Tata Chemicals Ltd., Gujarat | Shri Najmul Hasan Khan | √ | √ | √ | 3/3 | |
|  | The Dharamsi Morarji Chemicals Co. Ltd., Thane | Shri Mandar Gaikwad | √ | √ | - | 2/3 | |
|  | CONSUMER VOICE, Delhi | Shri M A U Khan  Shri K.C. Chaudhary | √ | √ | √ | 3/3 | |
|  | Global Adsorbents Pvt Ltd, Kolkata | Shri Sanjay Dhanuka  Shri Rahul Dhanuka | √ | √ | √ | 3/3 | |
|  | Central Drugs Standard Control Organization (CDSCO) | Shri Raman Mohan Singh | √ | - | √ | 2/3 | |
|  | Indian Chemical Council | Dr U Shetkar,  Dr. Rakesh Kumar | √ | √ |  | 2/3 | |
|  | Delhi Jal Board | Shri Sanjay Sharma  Dr Anil Mishra | √ | √ | √ | 3/3 | |
|  | Hindalco | Shri Nageswar Kapuri  Shri Ajith Ramachandra | √ | √ | √ | 3/3 | |
|  | National Peroxide Ltd | Dr Joy Anthony  Shri Rupesh Ingle | √ | √ | - | 2/3 | |

**CHD 5 ELECTROPLATING CHEMICALS AND PHOTOGRAPHIC MATERIALS**

**SCOPE**

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

b) To co-ordinate with the work of

i) ISO/TC 42 Photography

**DETAILS OF LAST 3 MEETINGS**

|  |  |  |
| --- | --- | --- |
| **No. of Meeting** | **Dates** | **Place** |
| 12TH | **13 12 2023** | **VC** |
| 13th | **28 03 2024** | **VC** |
| 14th | **30 07 2024** | **VC** |

**CHAIRPERSON –Dr. B. Subramanian, Sr. Principal Scientist and Head, Electroplating and Metal Finishing Division, CSIR-CECRI Chennai**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Organisation Represented** | **Principal/(Alternate) Member** |  | |
| **12TH** | **13th** | | **14th** | **Total** |
|  | Bhabha Atomic Research Centre, Hyderabad | Shri M Ramanamurthy | **-** | **-** | | **-** | **0/3** |
|  | Bharat Electronics Ltd., Bangalore | Shri Shreedhar Nadiger  Smt Athilakshmi  Smt Padma Sharma | **√** | **√** | | **-** | **2/3** |
|  | Brite Platers & Electrical Engineers , Bangalore | Shri D. P. Bhattacharya | **-** | **-** | | **-** | **0/3** |
|  | CSIR- CECRI, Electroplating and Surface finishing of Metals Division,. Karaikudi | Dr. N. Rajasekaran  Dr. S K Panda | **√** | **√** | | **√** | **3/3** |
|  | CMP Pvt. Ltd., Mumbai | Shri D. T. Thakur  (Shri R. K. Chug) | **-** | **-** | | **-** | **0/3** |
|  | Consolidated Metal Finishing (P) Ltd., New Delhi | Shri Sunil Kumar Khanna  (Shri P. Gurumoorthi) | **-** | **-** | | **-** | **0/3** |
|  | Controllerate of Quality Assurance (Materials), (DGQA) Kanpur | Shri M V Kumbhalkar  Shri Ramalala | **-** | **√** | | **√** | **2/3** |
|  | CSIR National Aerospace Laboratory, Bangalore | Dr. J.N. Balaraju | **-** | **-** | | **-** | **0/3** |
|  | Department of Industrial Policy & Promotion, New Delhi | Nomination awaited | **-** | **-** | | **-** | **0/3** |
|  | Department of Analytical Chemistry, University of Madras, Chennai 600 025 | Dr.T.M. Sridhar | **-** | **-** | | **-** | **0/3** |
|  | Gujarat Alkali and Chemicals Ltd., Baroda | Nomination awaited | - | - | | - | **0/3** |
|  | Hindustan Photo Films Manufacturing Co. Ltd., Octacamund | Shri P. Jagadeeswaran  (Shri B. B. Chaudhary) | **-** | **-** | | **-** | **0/3** |
|  | Indian Centre for Plastic in the Environment, New Delhi | Nomination awaited | **―** |  | |  |  |
|  | Metal Finishers Association of India, Mumbai | Shri T K Mohan | **-** | **-** | | **-** | **0/3** |
|  | Office of the Development Commissioner (MSME), New Delhi | Dr. N Karthikeyan | **-** | **-** | | **√** | **1/3** |
|  | Parekh Industries Ltd., Mumbai | Ms. Shubhada Gawde | **C** | **√** | | **-** | **1/2** |
|  | RDSO, Lucknow | "Shri Kamal Prakash Singh  Shri P K Bala" | **√** | **√** | | **√** | **3/3** |
|  | Security Printing and Mining Corporation, Hyderabad | Shri Durgesh Pati Tiwari  Shri Pravin Murari Sanaye | **-** | **-** | | **-** | **0/3** |
|  | CSIR - Central Electrochemical Research Institute, Karaikudi (earlier Society for Advancement of Electrochemical Science and Technology, Karaikudi) | Dr.B Subramaniam | **√** | **√** | | **√** | **3/3** |
|  | Space Application Centre ISRO, Ahmedabad | Shri Jayant  (Shri Sharad Shukla) | **√** | **√** | | **√** | **3/3** |

**CHD 6 INDUSTRIAL GASES SECTIONAL COMMITTEE**

**SCOPE**

a)To formulate Indian Standards for terminology; methods of sampling and test; codes of practice and specifications for industrial gases including high purity speciality gases and gas mixtures other than LPG.

b) To liasion with i) ISO/TC 158 Aanlysis of gases ii) ISO/TC 197 Hydrogen technologies

|  |  |  |
| --- | --- | --- |
| **No. of Meeting** | **Dates** | **Place** |
| **24th** | **30 09 2022** | **VC** |
| **25th** | **09 06 2023** | **VC** |
| **26th** | **20 11 2023** | **VC** |

**Chairperson: Dr.Tuhin Kumar Mandal, Head, Environmental Sciences Division,**

**National Physical Laboratory, New Delhi**

| S.No | Name of the Organization & Place | Represented by |  |
| --- | --- | --- | --- |
| 24th | 25th | 26th | Total |
|  | Air Liquid | Shri Sunil Kher  (Shri Navneet Kumar) | − | − | ✓ | **1/3** |
|  | All India Industrial Gases manufacturers Association, New Delhi (M) | Shri Saket Tiku/  (Smt Veena Peter) | − | ✓ | − | **1/3** |
|  | Automotive Research Association of India, pune | Smt. Yamini Patil  (S D Rairikar |  |  | **C** |  |
|  | Confederation of Indian Industry (I) | Pawan Mendiratta  (Sushmit Roy) | C | - | ✓ | ½ |
|  | Department of Electronics, New Delhi (T) | Dr U C Pandey | − | − | − | 0/3 |
|  | Department of Promotion for Industryand Internal Trade, New Delhi (O) | Shri Shaish Kumar/  (Shri N C Tiwari) | − | − | − | 0/3 |
|  | Directorate General Quality Assurance, Kanpur (O) | Shri B B Saho/  (Shri Sunil Kumar) | − | ✓ | ✓ | **2/3** |
|  | Directorate General Factory Advice  Service and Labour Institute, Mumbai | R P Bhave  (P G Satpute) | − | − | **C** | **0** |
|  | Esteem Gases | Shri Saket Tiku  (awaited for new nomination and for the time being WD from module | − | ✓ | − | **1/3** |
|  | Inox Air Products., Gujarat | Shri Arabinda Adhikari  Shri R L Patani | ✓ | ✓ | ✓ | **3/3** |
|  | Indian Institute of Science, Bangalore (T) | Nomination awaited | − | − | − | 0/3 |
|  | Indian Metrological Department, New Delhi (T) | Nomination awaited | − | − | − | 0/3 |
|  | Indian Oil Corpopration(R&D), Faridabad (M) | Mr. Alok Sharma Mr. Alok Sharma | − | ✓ | − | **1/3** |
|  | Indian Space Research Organization, Chennai (T) | Awaited | − | − | − | **0/3** |
|  | International Industrial Gases Ltd. | Nomination awaited | - | - | − | **0/3** |
|  | |  | | --- | | Linde India Limited, Kolkatta (M) | | |  |  | | --- | --- | | |  | | --- | | Shri Prasenjit  Chakrabarti) | | | ✓ | ✓ | ✓ | **3/3** |
|  | National Physical Laboratory, Delhi (T) | Dr.Shankar G. Aggarwal | ✓ | − | − | **1/3** |
|  | National Test House, Kolkata | Dr. Rajeev Kumar Upadhyay | − | − | ✓ | **1/3** |
|  | SICGIL India Limited, Chennai (M) | Shri Rugshad Dadabhoy/  (Shri S.Manojkumar) | ✓ | ✓ | − | **2/3** |
|  | CET, SAIL,Bhilai (U) | Shri Ajay Kumar/  (Shri Madan Kumar) | ✓ | ✓ | ✓ | **3/3** |
|  | Vanaz Engineers Limited, Pune (M) | Shri S J Vispute /  (Shri A S Latke) | ✓ | ✓ | − | **2/3** |
|  | Alchemie Gases & Chemicals Pvt. Ltd. Mumbai (co-opted in 17th meeting) | Nomination awaited | − | − | − | 0 |
|  | Centre for Science and Environment  (co-opted in 18th meeting) | Nomination awaited | − | − | − | 0 |
|  | Indian Institute of Technology, Delhi  (co-opted in 18th meeting) | Nomination awaited | − | − | − | 0 |
|  | International Industrial Gases Ltd.  Co-opted in 22nd meeting |  |  |  |  |  |

**CHD 7 CHEMICAL HAZARDS SECTIONAL COMMITTEE**

**SCOPE**

“To formulate Indian Standard for i) Terminology, methods of sampling and test , codes of practices and guidelines relating to chemical hazards and Occupational Health and Safety related to Chemicals , ii) Classification of hazardous chemicals and chemical hazards; iii) Code of safety for operational hazards in Chemical industries and Chemical laboratories etc; iv) Safety data sheets and cards for hazardous chemicals

**DETAILS OF LAST 3 MEETINGS**

|  |  |  |
| --- | --- | --- |
| **No. of meeting** | **Dates** | **Place** |
| **11th** | **06 09 2023** | **VC** |
| **12th** | **08 11 2023** | **VC** |
| **13th** | **16 04 2024** | **Hybrid** |

**CHAIRPERSON: Dr. Lalit R Gabhane, DG NSC**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl NO** | **OrganisationRepresented** | **Principal/(AlternateMember)** |  | | |
| **11th** | **12th** | **13th** | | **Total** |
|  | AlkaliManufacturersAssociation of India , Mumbai | Shri K Srinivasan/ Shri H S Das | √ | √ | √ | | 3/3 |
|  | Atomic Energy Regulatory Board, Mumbai | Shri Diptendu Das/ Shri Vishvajit V Bhatkhande | √ | √ | √ | | 3/3 |
|  | CentralLeatherResearchInstitute , Chennai | Dr. M.Suriyanarayanan | - | - | - | | 0/3 |
|  | CentreforFire,ExplosivesandEnvironmentalScience,GoI, Min OfDef , | Shri S P Dobal/ Dr. Aarti Bhatt | √ | √ | √ | | 3/3 |
|  | Central Food Technological Research Institute, Mysore | Dr. Prasanna Vasu/ Dr. Dandamudi Usharani | √ | √ | √ | | 3/3 |
|  | CropCareFederation ofIndia, , NewDelhi | Mr. P N Karlekar /Dr. J C Majumdar | √ | √ | √ | | 3/3 |
|  | DepartmentofChemicalsandPetrochemicals,Ministryof Chemicals andFertilizers, GoI | Dr.Vishal Choudhary | - | - | - | | 0/3 |
|  | Departmentof Space(ISRO), Bangalore | Shri Muraleekrishnan R/ Ms. Lakshmi VW | - | √ | √ | | 2/3 |
|  | DirectorateGeneralFactoryAdviceService&Labour Institutes ,Mumbai | Dr Samir Kumar Paine/ Shri Kunal Sharma | - | √ | √ | | 2/3 |
|  | Defence Research & Establishment, (DRDO), New Delhi | Dr. Prabhat Garg/ Dr.Virendra Vikram Singh | - | √ | - | | 1/3 |
|  | HindustanUnileverLimited ,Mumbai | Shri Sanjay Harlaka/ Shri Rakesh Wadalkar | - | - | √ | | 1/3 |
|  | Gas Industries Association | Shri Sunil Kher/ Shri Anoop Tandon | √ | √ | √ | | 3/3 |
|  | IndianChemicalCouncil,Mumbai | Dr. C. Nandi/ Dr. Rakesh Kumar | - | √ | - | | 1/3 |
|  | IndianInstituteof ChemicalTechnology,Hyderabad | Dr. Bankupalli Satyavathi/ Dr. Sripadi Prabhakar | √ | - | - | | 1/3 |
|  | IndianInstituteof Petroleum, Dehradun | Dr Neeraj Atray/ Dr Pankaj Kumar Kanujia | √ | - | √ | | 2/3 |
|  | IndianInstituteofToxicologyResearch,Lucknow | Dr D K Patel/ Dr Sheelendra Pratap Singh | √ | - | √ | | 2/3 |
|  | Institute of ChemicalTechnology,Mumbai | Prof.Dr.G.D.Yadav/ Dr.B.M.Bhanage | √ | √ | √ | | 3/3 |
|  | Ministryof Environment&Forest, NewDelhi | Shri. Ved Prakash Mishra /Dr.Dinesh Runiwal | √ | √ | √ | | 3/3 |
|  | NationalChemicalLaboratory,Pune | DR. VIJAY V BOKADE/ Dr. M. Muthukrishnan | √ | √ | √ | | 3/3 |
|  | NationalInstituteofOccupationalHealth,Ahmedabad | Dr. B Ravichandran | √ | √ | √ | | 3/3 |
|  | NationalSafetyCouncil,NaviMumbai | Shri A Y Sundkar/ Shri K D Patil | √ | - | √ | | 2/3 |
|  | OilIndustrySafetyDirectorate(Min.ofPet.&NaturalGas) ,Delhi | Shri Shathish Kumar S/ Shri Amit Sharma | - | √ | √ | | 2/3 |
|  | Pesticides Manufacturer and Formulators Association of India | Dr. Archana Kumari Srivastava/ Dr. Samir Dave | √ | √ | √ | | 3/3 |
|  | Petroleum&ExplosivesSafetyOrganisation, Nagpur | Shri M K Jhala/ Dr. Yogesh Khare | - | - | - | | 0/3 |
|  | Rashtriya Chemicals and Fertilizers Limited (RCFL) | Nomination awaited | - | - | - | | 0/3 |
|  | SafetyAppliancesManufacturersAssociation, Mumbai | Shri Mohammad/ Shri Devang Mehta | √ | √ | √ | | 3/3 |
|  | Shriram InstituteforIndustrialResearch , Delhi | Dr. Jagdish Kumar/ Dr. Deep Shankar Chatterjee | √ | √ | √ | | 3/3 |
|  | TataChemicalsLtd., ,Mithapur,Distt, Jamnagar | Shri Snehashish A. Chakraborty /Shri. D K Thakur | - | √ | √ | | 2/3 |
|  | In personal capacity | Shri. S Soundararajan, | - | √ | √ | | 2/3 |
|  | National Institute of Technology, Thrichi | Prof. S.P. Sivapirakasam/Dr. Sreejith Mohan | √ | √ | √ | | 3/3 |

**CHD 8 OCCUPATIONAL SAFETY AND HEALTH**

**Scope**

a) To formulate Indian Standard for i) Terminology relating to Occupational Health and Safety ii) Specifications and code of practice for occupational health and safety equipment iii) Code of safety for occupational hazards in industries other than chemical industries iv) Test methodologies for occupational health and safety equipment v) Occupational health and safety management system, procedure and practices;

b) Liaison : ISO TC- 94 SC-4 (P): Personal equipment for protection against falls ISO TC- 94 SC-6 (P): Eye and face protection ISO TC- 94 SC-15 (P): Respiratory protective devices ISO TC-283 (P): Occupational Health and Safety Management Systems

**DETAILS OF LAST 3 MEETINGS**

|  |  |  |
| --- | --- | --- |
| **No. of meeting** | **Dates** | **Place** |
| **23rd** | **28 04 2023** | **VC** |
| **24th** | **31 10 2023** | **Hybrid** |
| **25th** | **21 03 2024** | **Hyvrud** |

**CHAIRPERSON: Dr. Lalit Gabhane, Director General, National Safety Council**

| **Sl.**  **No.** | **Organisation Represented** | **Principal/(Alternate) Member** | **23rd** | **24th** | **25th** | **Total** |
| --- | --- | --- | --- | --- | --- | --- |
|  | 3M India Ltd., Bangalore | Shri Giridhar M  Shri Rishi Raj Arya  Shri Bidyut Chetia | √ | √ | √ | 3/3 |
|  | Atomic Energy Regulatory Board, Mumbai | Shri Diptendu Das  Smt PammyGoswami  Shri Pavan Kumar Patel | √ | √ | √ | 3/3 |
|  | Bhabha Atomic Research Centre, Mumbai | Shri G Nagaraju  Shri Praveen Dubey | √ | √ | √ | 3/3 |
|  | Central Institute of Mining & Fuel Research (CIMFR) (R) | Dr. J. K. Pandey | - | - | WD + C | 0/3 |
|  | Central Leather Research Institute (R) | Shri M. Surianarayanan | - | - | WD + C | 0/3 |
|  | Centre for Fire, Explosives & Environment Safety | Dr. Arti Bhatt  (Dr. S Marry Celin) | √ | √ | - | 2/3 |
|  | Cement Manufacturers’ Association | Shubho Chakravarty  Ashutosh Shrivastava |  |  | C |  |

|  | Coal India Limited, Kolkata | Shri Sanjay Kumar Shrivastava  Shri Bikram Das | √ | - | - | 1/3 |
| --- | --- | --- | --- | --- | --- | --- |
|  | Confederation of Indian Industries, New Delhi | Shri Shikhar Jain/  Ms. Anjali | √ | - | √ | 2/3 |
|  | Defence Research and Development Organization, Ministry of Defence | Shri Amit Pasi  Shri Ajay Kumar Shaw | √ | √ | √ | 3/3 |
|  | Department of Space(ISRO),  Sriharikota | Shri T Subhanathan  (Shri R Manoj) | √ | - |  | 2/3 |
|  | Directorate General of Mines Safety, Dhanbad | Shri Saifullah Ansari  Shri A Rajeshwar Rao | √ | √ |  | 3/3 |
|  | Directorate General of Quality Assurance, CQA(Textiles and Clothing), Kanpur | Shri Brajesh Tomar | √ | - |  | 1/3 |
|  | Directorate of Standardization, Ministry of Defence | Gp Capt M K Pani |  |  | C |  |
|  | Directorate General Factory Advice Service & Labour Institute, | Shri H M Bhandari  Shri Amit Gola |  |  | C |  |
|  | Drager Safety India Ltd., Mumbai | Shri Hirendar Chaterjee  Shri Ganesan Murugesan | √ | √ |  | 3/3 |
|  | Honeywell International India Private Limited, Bengaluru | Shri Samit Vasant Chaudhari  Shri Alok singh  Smt. Pooja Chetri | √ | √ |  | 3/3 |
|  | Indian Institute of Toxicology Research (Formerly ITRC), Lucknow | Dr. D K Patel/  (Dr.Sheelendra Pratap Singh) | √ | √ |  | 2/3 |
|  | Intech Safety Pvt. Ltd., Kolkata | Shri Subrata Mukherjee  (Shri Gautam Banerjee) | √ | √ |  | 3/3 |
|  | Joseph & Leslie | Shri Dean Leslie Roy  Shri Cyril Pereira |  |  | C |  |
|  | Larsen & Tubro | Shri P V Balakrishna  Shri Pranav Baxi |  |  | C |  |
|  | Karam Industries | Shri Rajesh Nigam  (Shri Mohammad) | √ | √ |  | 3/3 |
|  | MSCD, BIS | Shri Barun Das, Sc-C | -- | C |  |  |
|  | Directorate General Fire Services, Civil Defence and Home Guards, Ministry of Home Affairs, GoI, New Delhi | Shri D.K. Shami /  (Deputy Fire Advisor) | - | - |  | 0/3 |
|  | National Institute of Occupational Health, Ahmedabad | Dr. B Ravichandran | √ | - |  | 2/3 |
|  | National Safety Council, Navi Mumbai | Shri A Y Sundkar  Shri K.D. Patil | √ | √ |  | 3/3 |
|  | Nuclear Power Corporation of India Ltd. | Shri Alok Varshney  (Shri M U Vincy | √ | √ |  | 3/3 |
|  | Oil Industry Safety Directorate  (Min.of Pet.& Natural Gas), | Shri Devendra M Mahajan | √ | - |  | 1/3 |
|  | Reliance Industries Limited, Mumbai | Dr.Prasad Tipnis/  Shri Neeraj Sharma | - | √ |  | 1/3 |
|  | Research, Design and Standard Organization, New Delhi | Nomination awaited | - | - | WD | 0/3 |
|  | Safety Appliances Manufacturers Association, (SAMA) | Shri Devang Mehta/  Neha Naik | √ | √ |  | 3/3 |
|  | Unicare Emergency Equipment Pvt. Ltd. | Shri Clint Leslie Pereira  Shri Shirish Sathe  Shri Rajasekharan M K | √ | √ |  | 3/3 |
|  | Venus Safety and Health Pvt Ltd. | Shri Harshal Patil  Shri Sanjeev Minhas  Shri Navketan Gaikwad | √ | √ |  | √ |
|  | In personal capacity | Shri S. D. Bharambe | √ | √ |  | 3/3 |

**CHD 09 CERAMICWARE SECTIONAL COMMITTEE**

**SCOPE**

1. To formulate Indian Standards for terminology, methods of sampling and test, and specifications for:

i) Raw Materials used in manufacturing of all types of ceramic products (excluding for other product categories, if any) including synthetic raw materials;

ii) Whiteware, all types of ceramic table ware (excluding porcelain insulators, sanitary ware, tiles, salt glazed pipes & fittings; and ceramic laboratory ware;

iii) Technical Ceramics;

iv) Ceramic Coated Metal ware (excluding wares used in hospitals); and

v) Ceramic water purifier filter candle

b) To Coordinate with the work of:

i) ISO/TC 107 Metallic and other Inorganic Coatings;

ii) ISO/TC 166 Ceramicware, Glassware and Glass Ceramicware in contact with Food; and

iii) ISO/TC 206 Fine Ceramics

**DETAILS OF LAST 3 MEETINGS**

|  |  |  |
| --- | --- | --- |
| **No. of meeting** | **Dates** | **Place** |
| **27th** | **17 08 2023** | **VC** |
| **28th** | **18 12 2023** | **VC** |
| **29th** | **08 07 2024** | **VC** |

**CHAIRPERSON:**, Director, Central Glass & Ceramic Research Institute, Kolkata

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No.** | **Organization Represented** | **Principal / (Alternate)**  **Member(s)** |  |
| **27th** | | **28th** | **29th** | **Total** |
|  | All India Pottery Manufacturers’ Association, Kolkata **(M)** | Shri Goutam Hazra  (Shri Sabyasachi Roy/ Shri Sandip Kumar) | - | | **√** | **√** | 2/3 |
|  | Associated Soapstone Distributing Co. Pvt. Ltd., Jaipur **(M)** | Shri Dilip Jha  (Shri Rajendra Pareek/ Shri Amit Sharma) | **√** | | **√** | √ | 3/3 |
|  | Aditya Birla Insulator,West Bengal **(M)** | Mr. Shri Uttam Sarkar (Shri Sudharshan C.) | - | | **-** | - | 0/3 |
|  | Ahmedabad Pottery Manufacturers’Association, Naroda (**M**) | Shri Rupesh C Shah | - | | **√** |  | 1/3 |
|  | Ants Ceramics | Shri Ashwini Jain  Shri Sabyasachi Roy | - | | - | WD | 0/3 |
|  | IIT-BHU **(T)** | Prof. Vinay Kumar Singh  (Dr. Manas Ranjan Majhi) | - | | - | **√** | 1/3 |
|  | BHEL, Bengaluru **(M)** | Dr. C D Madhusoodana  (Shri G Thirupathi) | **√** | | **√** | **√** | 3/3 |
|  | Bhabha Atomic Research Center, Mumbai **(T)** | Dr. Deep Prakash  (Dr. Abhijit Ghosh) | - | | - | WD | 0/3 |
|  | C-met, Thrissur, Kerala | Nomination awaited | - | | - | WD | 0/3 |
|  | Central Glass & Ceramic Research Institute, Kolkata **(T)** | Dr.H S Tripathi  (Dr Somnath Mahapatra) | **√** | | **√** | **√** | 3/3 |
|  | Controller of Quality Assurance,DGQA Kanpur **(T)** | Shri V. R. Chaudhary  (Dr. K. C. Gupta) | - | |  | WD | 0 |
|  | Clay craft (I) Pvt. Ltd. | Shri Bharat Agarwal  (Shri Pradip Kumar Agarwal) | - | | **√** | **√** | 2/3 |
|  | Ceramic Tableware and Kitchenware Manufacturers’ Association |  |  | |  | C |  |
|  | Director General of Quality Assurance, New Delhi | Col DBS Kushwaha  Shri DK Mohapatra | - | | - |  | 0/3 |
|  | FSSAI (no nomination received) |  | - | | - | WD | 0 |
|  | Govt. College of Engg. & Ceramic Technology, Kolkata **(T)** | Prof. Ram Chandra Das | - | | - | **√** | 1/3 |
|  | HSIL Ltd., Bahadurgarh **(U)** | Shri R. K. Somany  (Shri T. K. Raha) | - | | - | - | 0/3 |
|  | Khurja Pottery Manufacturers | Mr. Darshan Chhatwal ,  Mr. Darshan Chhatwal | - | | **√** C |  | 1/1 |
|  | MSME Testing Centre | Shri Ambrose Royson  Shri G V Rangarao | **√** | | **√** | **√** | 3/3 |
|  | National Test House, Kolkata **(T)** | Shri Ajay A Ukarande  Ms. Tripti Mandal | - | | - | **√** | 1/3 |
|  | National Institute of Technology, Rourkela **(T)** | Prof. Debasish Sarkar  (Prof. Ritwik Sarkar) | - | | - | WD | 0/3 |
|  | Office of Dev. Commissioner (MSME), N. Delhi **(O) (MSME testing center is already member)** | Shri Santosh Kumar | - | | **√** | WD | 1/3 |
|  | Radheyshyam Industries |  | - | | - | WD | 0/3 |
|  | Roca Bathroom Products Pvt. Ltd., Tamilnadu **(U)** | Shri Kannan Chellappan (Shri S Aravazhi) | - | | - |  | 0/3 |
|  | H R Johnson Limited (Earlier Prism Johnson) | Shri Sudipta Saha | **√** | | - | **√** | 2/3 |
|  | Porcelain Enamelers Association, Kolkata **(M)** | Shri B. S. Ganguly  (Shri Someswar Datta) | - | | - | - | 0/3 |
|  | Saint Gobain (Earlier Grindwell) | Shri Manish Kumar | - | | - | - | 0/3 |
|  | Somany Ceramics Limited, Bahadurgarh **(U)** | Dr. Ashutosh Goel (Shri T.Shridhar) | - | | - | WD/C**√** | 0/3 |
|  | In personal capacity | Shri K K Paul | **√** | | - |  | 2/3 |

**CHD 10 GLASS, GLASSWARE AND LABORATORYWARE SECTIONAL COMMITTEE**

**SCOPE**

a) 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, laboratoryware, including thermometer, hydrometers (made from glass, plastics, ceramic, silica etc) not covered in scope of other Sectional Committees.

b) To co-ordinate with:

i) ISO/TC 48 Laboratory equipment

ii) ISO/TC 63 Glass containers

iii) ISO/TC 160 Glass in building

**DETAILS OF LAST 3 MEETINGS**

|  |  |  |
| --- | --- | --- |
| **No. of meeting** | **Dates** | **Place** |
| **24th** | **08 11 2023** | **VC** |
| **25TH** | **18 03 2024** | **VC** |
| **26th** | **22 07 2024** | **CGCRI, Kolkatta (Hybrid)** |

**CHAIRPERSON:** Director, Central Glass & Ceramic Research Institute, Kolkata

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No** | **Organization** | **Representative** |  | |
| **24TH** | **25TH** | | **26th** | **Total** |
|  | Asahi India Glass Limited (**M**) | Shri Nagendra Kumar  Shri Navin Rai | √ | √ | | √ | 3/3 |
|  | Bhabha Atomic Research Centre, Mumbai (**A**) | Dr.(Smt) Madhumita Goswami Dr. P. N. Nandi | - |  | | √ | 1/3 |
|  | Borosil Ltd (**M**) | Shri Jeevan Dogra  Shri Satish Chitriv | √ | √ | | √ | 3/3 |
|  | Centre for the Development of Glass Industry (**A**) | Shri Sanjeev Chinmalli Shri Devendra Sah | - | - | | - | 0/3 |
|  | Confederation Construction Products and Services (CCPS) (**U**) | Shri Deepak Gahlowt Smt Sarita Balodhi | - | √ | | √ | 2/3 |
|  | Consumer VOICE) (**U**) | Shri K. C. Chaudhary  Shri B K Mukhopadhyay | - |  | | √ | 1/3 |
|  | Central Building Research Institute, Roorkee (**A**) | Dr. Navjeev Saxena  Shri Ajay Chaurasia | √ | √ | | - | 2/3 |
|  | Central Glass & Ceramic Research Institute (**A**) | Dr. K Annapurna Shri Sitendu Mandal | √ | √ | | - | 2/3 |
|  | Controllerate of Quality Assurance(Materials) (**U**) | Dr S K Pandey Shri B S Tomar | √ | √ | | √ | 3/3 |
|  | Federation of Safety Glass (**M**) | Shri Sharanjit Singh  Shri Gurmeet Singh  Shri Vinod Tondon | √ | - | | √ | 2/3 |
|  | Glazing Society of India (**A**) | Shri G N Gohul Deepak  MS Dilna Subramanian | √ | √ | | √ | 3/3 |
|  | Gold Plus glass industry ltd. | Shri Prem Dutt  Ms Sheetal Khanna | - | √ | | √ | 2/3 |
|  | Govt College of Engineering and Ceramic Technology (**A**) | Dr. Rituparno Sen Dr. (Ms.) Kaberi Das | √ | √` | | √ | 3/3 |
|  | Hindustan Glass Works Ltd (**M**) | Shri Varun Gupta Shri K. Arvin | √ | √ | | - | 2/3 |
|  | Hindustan National Glass Industries Ltd, Kolkatta (**M**) | Shri Prasanna Jain  Shri S K Misra | √ | √ | | √ | 3/3 |
|  | HSIL Ltd., Packaging Products Division, AGI Glaspac, Hyderabad (**M**) | Shri Rajesh Khosla  Shri Ajay Joshi | - | √ | | √ | 2/3 |
|  | IIT, BHU, Varanasi (A) | Nomination Awaited | - |  | |  | 0/3 |
|  | Office of the Development Commissioner (MSME) (**O**) | Shri Ambrose Royson C  Shri G V Rangarao | √ | √ | | √ | 3/3 |
|  | In personal capacity | Dr. Devendra Kumar | - | - | | C |  |
|  | In personal capacity | Shri Srikant Gangan |  |  | | C |  |
|  | Indian Institute of Packaging | Dr. Tanweer Alam |  | WD+C | | √ | 2/2 |
|  | National Test House, Kolkata (**A**) | Dr. S. K. Kulshrestha  Shri D. V. S. Prasad | - |  | |  | 0/3 |
|  | Saint - Gobain Glass India Ltd. (**M**) | Shri Unnikrishnan A R (Shri Chiranjit Roy) | √ | √ | | √ | 3/3 |
|  | Schott Glass India Pvt. Ltd (**M**) | Shri Anand Bakshi  Shri Lalatendu Behera | √ | √ | | √ | 3/3 |
|  | Shriram Institute for Industrial Research (**A**) | Shri Arun Kumar Dr Laxmi Rawat | √ | √ | | √ | 3/3 |
|  | SISECAM Flat Glass India Pvt. Ltd. | Shri Parag Shah  Shri Pankaj Nuwal | √ | √ | | √ | 3/3 |
|  | The All India Glass Manufacturers Federation (**M**) | Shri Sourabh Kankar  Shri Vinit Kapur/ Shri Gopal Ganatra | - | √ | | - | 1/3 |

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

**DETAILS OF LAST 3 MEETINGS**

|  |  |  |
| --- | --- | --- |
| **No of meetings** | **Date** | **Place** |
| **30th** | **22 06 2023** | **VC** |
| **31ST** | **24 01 2024** | **VC** |
| **32nd** | **04 07 2024** | **VC** |

**Chairperson:**Dr. K P Bhattacharya, Head Desalination Centre, BARC, Mumbai

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Name of the Organization & Place** | **Represented by** | **30th** | **31ST** | **32nd** | **Total** |
|  |  | |
|  | Bhabha Atomic Research Centre, Mumbai | Shri K P Bhattacharyya (Chairperson)/ Shri Shivayyanamath.S | √ | √ | √ | **3/3** | |
|  | BARC, Water and Stream Chemistry Division ,Kalpakam | Shri Abdul Nishad P | - | - | WD/C√ | **1/3** | |
|  | Bharat Heavy Electrical Limited, Thiruchirapali | Shri Shailender Kumar/ Shri K ANANDA BABU | √ | - | √ | **2/3** | |
|  | Central Leather Research Institute, Chennai | Dr C Muralidharan/ Ms. K Sri Balakameshwari | √ | √ | √ | **3/3** | |
|  | Central Pollution Control Board, New Delhi | Shri Nazimuddin/ Shri. Vishal Gandhi | √ | √ | - | **2/3** | |
|  | Central Pulp & Paper Research Institute, Sharanpur | Dr. Nitin Endlay/ Shri Sanjay Tyagi | √ | √ | √ | **3/3** | |
|  | CII-Triveni Water Institute (nominated by CII, New Delhi) | Dr Kapil K Narula/ Dr. Sipika Chauhan | √ | - | √ | **2/3** | |
|  | Chennai Petroleum Corporation Ltd.,Chennai | Shri Shankar S | - | √ | √ | **2/3** | |
|  | CECRI, Karaikudi | Dr. S.Vasudevan/ Dr. R.Malini | √ | - | √ | **2/3** | |
|  | Grasim Industries Limited, Nagda | Shri S N Sastry/ Shri Alok Singh | √ | - | √ | **2/3** | |
|  | Ion Exchange India Limited, Mumbai | Shri Naba Kumar Pal/ Dr. Renu Saraph/ Shri Anil K Khera | √ | √ | √ | **3/3** | |
|  | Indian Chemical Council | Shri Dhrumil Soni | - | √ | √ | **2/3** | |
|  | Maharashtra State Electricity Board, Chandrapur | Shri V P Ghodmare/ Shri Rajesh Dattatraya Chivane | - | √ | √ | **2/3** | |
|  | Ministry of Drinking Water and Sanitation ,New Delhi | Shri Sumit Priyadarshi | - | √ | √ | **2/3** | |
|  | National Environment Engineering Research Institute, Nagpur | Shri. G. K. Khadse/ Dr V Atul Maldhure | - | √ | - | **1/3** | |
|  | NTPC Limited, New Delhi | Shri. L. K Nayak/ Shri Ankit Verma | √ | √ | √ | **3/3** | |
|  | Shriram Institute for Industrial Research, Delhi | Dr Vivek Narayan Singh/ Dr Jagdish Kumar | √ | √ | √ | **3/3** | |
|  | The Energy and Resource Institute, New Delhi | Shri Anshuman/ Dr. Suneel Pandey | √ | √ | √ | **3/3** | |
|  | The Fertilizer Association of India, New Delhi | Shri Manish Goswami/ Shri Vijay Kumar Gupta | - | √ | √ | **2/3** | |
|  | In personal capacity | Shri D K Jain | √ | √ | √ | **3/3** | |
|  | In personal capacity | Dr. A Lawrence | √ | √ | √ | **3/3** | |
|  | In personal capacity | Shri R S Baghel | √ | √ | √ | **3/3** | |

**CHD 14 PRINTING INKS, STATIONERY AND ALLIED PRODUCTS SECTIONAL COMMITTEE**

**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) Inks used for printing on packaging of food, pharma & hygiene.**

**c) Stationery items such as pens, pencils, refills, correcting fluids, desk knife, paper clip binder, pin box, waste paper basket, paper weight, eraser, scale, scissors, marker pen, glue stick, self stick pad, correcting pen roller, use and throw pens, chalks and crayons, artist’s colors, carbon and other copying papers, stencil papers and other inked ribbon.**

**d) Coating and Varnishes used in Printing and Packaging.**

**Details of last three meetings**

|  |  |  |
| --- | --- | --- |
| **No of meetings** | **Date** | **Place** |
| 30th | 09 11 2023 | VC |
| 31ST | 19 03 2024 | HYBRID |
| 32ND | 29 05 2024 | Mumbai (Physical) |

**Chairperson: Shri Subir Kumar Mandal, Controller of Stationery, Govt. of India Stationery Office, Kolkata**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Organization Represented** | **Principal/(Alternate) Member** |  | |  | |
| **30th** | **31st** | | **32nd** | | **Total** |
|  | Government of Indian Stationery Office, Kolkata | Shri Bishamber Dhar  Shri Rakesh Kumar Sukul | √ | √ | | √ | | 3/3 |
|  | All India Federation of Master Printers, New Delhi | Mr Harjinder Singh | √ | √ | |  | | 2/3 |
|  | DIC India Limited, Kolkata | Shri U Chowdhuri/  Shri Saroj panda | √ | √ | | √ | | 3/3 |
|  | National Archives of India, New Delhi | Sh. Ram Swaroop  Dr. SutapaChakravarty | √ | √ | |  | | 2/3 |
|  | National Test House, | Shri Bhudh Prakash | √ | √ | | √ | | 3/3 |
|  | Western Printing Group, Survey of India, Delhi | Shri Equerar Ahmad | √ | √ | | √ | | 3/3 |
|  | All India Printing Ink Mfgrs Association Ltd., Mumbai | Shri Ravindra Gandhi  Shri R Sridharan | √ | √ | | √ | | 3/3 |
|  | Sakata Inx (India) Ltd., New Delhi | Shri Vijay Shankar Gupta  Shri Sunil K Chhabra | √ | √ | | √ | | 3/3 |
|  | Shriram Institute for Industrial Research, Delhi | Dr.Manmohan Kumar  Dr. Vinay Tyagi | √ | √ | | √ | | 3/3 |
|  | SICPA India Ltd., New Delhi | Dr. Praveen Kumar Yadav  Shri ArunVig | √ | √ | | √ | | 3/3 |
|  | Kokuyo Camlin Limited , Mumbai | Shri Manik J. Salunkhe  Mrs. Sayali  Suraj Sarfare | √ | √ | |  | | 2/3 |
|  | Toyo Ink India Pvt. Ltd. , Uttar Pradesh | Mr. K.S. Murthy  Shri Vivek Rastogi | √ | √ | | √ | | 3/3 |
|  | Hubergroup India | Dr Malik Jamaluddin  Shri Sidharth Teng | √ | √ | | √ | | 3/3 |
|  | Security Printing & Minting Corpn. India Ltd., Delhi (SPMCIL) | Shri S. Mahapatra  Dr. D K Rath | √ | √ | |  | | 2/3 |
|  | Whale Stationery Products Ltd, Delhi | Shri Mukesh Gupta  Shri Aseem Gupta | √ | √ | |  | | 2/3 |
|  | All India Print-Tech Professionals Forum, Chennai | Shri Partha Pratim Sanyal | √ | √ | |  | | 2/3 |
|  | Siegwerk Inks, Bhiwadi | Shri Jatin Takkar  Dr. Joerg Peter Langhammer | √ | √ | | √ | | 3/3 |
|  | Indian Institute of Packaging, New Delhi | Dr. Tanweer Alam  Shri Bidhan Das | √ | √ | |  | | 2/3 |
|  | Flint Group | Shri Sanjeev Bansal  Shri Dinesh Ahuja | √ | √ | | √ | | 3/3 |
|  | Yansefu Inks & Coating P ltd. | Shri Jitendra Sharma  Shri Neelakamal Mohapatra | √ | √ | |  | | 2/3 |
|  | B Dayal Stationery Pvt. Ltd. | Shri Birendra Gupta | - |  | |  | | 0/3 |
|  | CONSUMER VOICE | Shri M A U Khan  Shri K C Chaudhary | √ | √ | | √ | | 3/3 |
|  | Kumarappa Handmade paper | Dr. Sakshy Aggarwal | √ | √ | | √ | | 3/3 |
|  | Times Group | Shri Snehasis Roy,  Shri Anup Kumar Pal | √ |  | |  | | 1/3 |
|  | Regional Institute of Printing Technology | Shri Shankhya Debnath  Shri Krishnendu Halder | √ | √ | | √ | | 3/3 |
|  | Dept. of Post, Ministry of Communication, New Delhi | Shri S Buchchan  Dr. Amarpreet Duggal | √ |  | |  | | 1/3 |
|  | Hi-Tech Inks Pvt Ltd | Shri R Y Kamat  Shri Vipin Chaudhry | √ | √ | | √ | | 3/3 |

**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

The details of the last three meetings are as follows:

|  |  |  |
| --- | --- | --- |
| **No of meetings** | **Date** | **Place** |
| 31st | 30 01 2024 | HYBRID |
| 32nd | 25 04 2024 | HYBRID |
| 33RD | 25 07 2024 | PHYSICAL |

**CHAIRPERSON: Dr. L.P Singh, Director, Central Pulp & Paper Research Institute, Saharanpur**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **NAME OF THE ORGANIZATION** | **Principal (Alternate)**  **Member** |  |  |
| **31ST** | **32ND** | **33RD** | **Total** |
|  | Bilt Graphic Paper Products Ltd (earlier Ballarpur Industries Ltd) New Delhi **(M)** | Shri Deepak Sharma  (Shri Bhushan Awate)) | √ | √ | √ | 3/3 |
|  | Central Pulp & Paper Research Institute, Saharanpur **(T)** | Dr. Sanjay Tyagi  Shri Alok Kumar Goel  Mr. Satya Dev Negi | √ | √ | √ | 3/3 |
|  | Century Pulp and Paper Mills, Distt. Nainital **(M)** | Shri Sanjay Kumar Yadav  (Shri Hem Chandra Joshi) | √ | √ | √ | 3/3 |
|  | Chandpur Enterprises | Shri Devesh Kumar Singhal  Shri Amit Mittal | √ | √ | √ | 3/3 |
|  | Directorate of Printing, Min. of Urban Development, New Delhi **(U)** | Shri Lazar Sagaya Raj  Kshitiz Mohan | √ | √ | √ | 3/3 |
|  | Department of Promotion of Industry and Internal Trade (DPIIT) |  |  | C | √ | 1/1 |
|  | DGQA, Ministry of Defence |  |  | C√ | √ | 2/2 |
|  | Federation of paper converters of India | Shri Sushil Kumar Singh  Nomination awaited | √ | √ | √ | 3/3 |
|  | Federation of Paper Traders Association of India, Mumbai **(U)** | Shri Dalip Bindal  (Shri Piyush Jain) | √ | √ | √ | 3/3 |
|  | Government printing, West Bengal **(U)** | Shri Subir Kumar Mandal | - |  | WD | 1/3 |
|  | Gujarat Paper Mills Association (M) | Shri Prabhat Ranjan  Shri Kanu Mehra | √ | √ |  | 2/3 |
|  | Indian Agro and Recycled Paper Mills Association, New Delhi **(M)** | Dr B P Thapliyal  Dr. Anil Naithani | √ | √ | √ | 3/3 |
|  | Indian Institute of Packaging, Mumbai **(T)** | Dr Tanweer Alam  Rishu Gautam  Sweta Shetty | √ | √ |  | 2/3 |
|  | Indian Institute of Technology, Roorkee **(T)** | Dr Dharm Dutt  Dr. Vibhore Kumar Rastogi  Dr. Kirtiraj K. Gaikwad | √ | √ | √ | 3/3 |
|  | Indian Paper Manufacturers Association, New Delhi **(M)** | Mr. Biswaranjan Dash,  Mr. Rohit Pandit | √ | √ | √ | 3/3 |
|  | Indian Newsprint Manufacturers Association, New Delhi **(U)** | Shri Vijay Kumar  (Shri Ashish A Gupta) | √ | √ | √ | 3/3 |
|  | Indian Recycled Paper Mills Association, New Delhi **(M)** | Shri R.C. Rastogi | √ | √ | √ | 3/3 |
|  | JK Paper Ltd, N. Delhi **(M)** | Shri S K Nayak  Mr. Sameer Mohapatra | √ | √ | √ | 3/3 |
|  | Kumarrappa National Handmade Paper Institute, Jaipur **(T)** | (Ms Saakshy)  Nomination awaited | √ | √ | √ | 3/3 |
|  | Naini Group of Industries | Nomination awaited |  |  |  |  |
|  | NTH, Ghaziabad |  |  |  | C√ | 1/1 |
|  | NCERT, New Delhi **(U)** | Shri Arun Chitkara  Nomination awaited | √ |  |  | 1/3 |
|  | Pulp and Paper Research Institute, Jaykaypur, Orissa **(T)** | Shri S K Pradhan  Dr S P Singh | √ | √ |  | 1/3 |
|  | Pumdumjee Pulp & Paper | Nomination awaited |  |  |  |  |
|  | Seshasayee Paper & Boards Limited, Erode **(M)** | Dr. P. Marimuthu  (Mr. Arockiasamy) | √ | √ | √ | 3/3 |
|  | Shree Mangal (Trade) Enterprises **(M)** | Shri Narottam Vyas  Ms. Bhawna vyas | √ | √ | √ | 3/3 |
|  | Stationery Office, Govt. of India, Kolkata **(U)** | Shri Bishamber Dhar  (Shri Gorakha Nath Yadav) | √ |  | √ | 2/3 |
|  | Tamilnadu Newsprint and Papers Ltd, Tamilnadu **(M)** | (Shri N K Periasamy)  Dr. Amjath Khan | √ | √ | - | 2/3 |
|  | Voluntary Organization in Interest of Consumer Education, N. Delhi **(U)** | Shri M.A.U. Khan  (Dr. Rajiv Jha) | √ | √ | √ | 3/3 |
|  | Whale Stationery Products Ltd., New Delhi **(M)** | Shri Mukesh Gupta  (Shri Aseem Gupta) | √ | √ | √ | 3/3 |

**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 (coated and uncoated) used for Packaging and Serving  application; Paper based packaging materials (converted and treated/coated) like cartons, trays, sacks, bags, boxes, paper based Intermediate Bulk Containers, Paper & Paper based Aluminium foil and/or multi-layered laminates, Paper based multilayer composite cartons, Paper based feeding and drinking accessories

b) To co-ordinate with the work of ISO/TC 6 Paper.

|  |  |  |
| --- | --- | --- |
| **No of meetings** | **Date** | **Place** |
| **14th** | **28 11 2023** | PHYSICAL |
| **15th** | **13 02 2024** | HYBRID |
| **16TH** | **24 05 2024** | PHYSICAL |

**CHAIRPERSON: Dr.Tanweer Alam, Joint Director, Indian Institute of Packaging, Mumbai**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Name of the Organization** | **Principal / Alternate**  **Member** | **14TH** | **15TH** | **16TH** | **Total** |
|  | B&A Packaging (I) Ltd., Kolkata **(M)** | Shri Amal Kumar Mohanty  Shri Tapan Kumar Chand | - | √ |  | 1/3 |
|  | CPPRI, Saharanpur **(T)** | Dr. M K Gupta  Shri Sanjay Tyagi | **√** | √ |  | 2/3 |
|  | Century Pulp & Paper Limited | Shri Sanjay Kumar Yadav  Shri. Hem Chandra Joshi | **√** | √ |  | 2/3 |
|  | Department of Promotion, Industry and Internal trade (DPIIT) |  |  |  | C |  |
|  | Dr. Reddy Laboratories | Mr. Avinash Kumar Talwar  (Mr. Vinay kumar singh) | C | √ |  | ½ |
|  | Federation of Corrugated Box Manufacturers of India, Mumbai **(M)** | Shri Satish Tyagi  (Shri K P singh) | **√** | √ | √ | 3/3 |
|  | Federation of Paper Converter of India | Shri Mukesh Gupta  Shri Sushil Kumar Singh | **√** | √ | √ | 3/3 |
|  | Indian Institute of Packaging | Shri Subodh Juveker  Shri. Tushar Bandyopadhyay  Mr. Sourabh Ghosh | **√** | √ | √ | 3/3 |
|  | Indian Agro &Recycled Paper Mills Association, New Delhi **(M)** | Dr. B P Thapliyal  Dr. Anil Naithani | **√** | √ | √ | 3/3 |
|  | Indian Institute of Technology (IIT), Roorkee | Dr. Dr Dharm Dutt,  Dr. Kirtiraj K. Gaikwad  Dr. Vibhor Kumar Rastogi | **√** |  | √ | 2/3 |
|  | ITC, Bhadrachalam | Shri Mr. Mohammed Gouse  Shri P.N. Sridharr | **√** | √ | √ | 3/3 |
|  | ITC Life Sciences, Bangalore **(U)** | Shri Ajith Kumar  (Dr. Kamal Kumar Tyagi) | **√** | √ | √ | 3/3 |
|  | Indian Paper Manufacturers Association, New Delhi **(M)** | Mr. Biswaranjan Dash  (Mr. Rohit Pandit) | **√** | √ | √ | 3/3 |
|  | J K Paper | Shri. Umakant Patil  (Mr. Sameer Mohapatra) | **√** | √ | √ | 3/3 |
|  | Nestle India Ltd. **(U)** | Shri Deepak Singh  (Mr. Ajay Rajvanshi) | **√** | √ | √ | 2/3 |
|  | Package Design Research and Test Lab, Lucknow **(T)** | Shri L.M. Gupta  Shri MayankGupta | - | √ | √ | 2/3 |
|  | Parksons Packaging | Shri Srikanth Ramamurthy  Shri Deepak Singh | **√** | √ |  | 2/3 |
|  | Prem Industries | Shri Alok Goel  Shri H P Singh | **√** | √ | √ | 3/3 |
|  | Safe Pack Industries | Shri Rajendra Tapadia  Mr Yatin Mone | **√** |  | WD | 1/3 |
|  | Siegwerk | Jatin Thakkar  Shri. Harminder kaur | **√** |  | WD | 3/3 |
|  | Stora Enso | Shri Sanjeev Khandelwal | **√** |  | WD | 2/3 |
|  | Tetrapak india Pvt. Ltd. | Mr Sharad Sharma  Mr Jaideep Gokhale | **√** | √ | √ | 3/3 |
|  | Uflex Limited | Shri Ashwani Sharma  Shri Rakesh Sharma | **√** | √ | √ | 3/3 |
|  | Consumer Guidance Society of India(CGSI) | Nomination awaited | **C** | √ |  | 1 / 2 |
|  | RITES | Nomination awaited | **C** | √ | √ | 2/3 |

**CHD 17 LEATHER, TANNING MATERIALS AND ALLIED PRODUCTS**

**SCOPE**

“To formulate Indian standards for terminology, methods 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 equipments for leather and leather goods industry (other than shoe makers hand tools and equipment) and assessment and grading of hides, skins and leather”.

**Details of last 3 meetings**

|  |  |  |
| --- | --- | --- |
| **No of meetings** | **Date** | **Place** |
| **24th** | **14 11 2023** | **VC** |
| **25th** | **08 02 2024** | **VC** |
| **26th** | **09 08 2024** | **VC** |

**Chairperson – Dr K J Sreeram, Director, Central Leather Research Institute, Chennai**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Organization Represented** | **Principal/(Alternate) Member** |  | |  | |
| **24th** | **25th** | | **26th** | | **Total** |
| 1. 1 | Central Leather Research Institute, Chennai | Dr. R C Mohan Dr.R Chandrashekar | **√** | √ | | **√** | | 3/3 |
| 1. 2 | A T C Chemicals India Private Limited, Chennai | Shri Subbarayan Govardhanan | **√** | √ | | - | | 2/3 |
|  | Avanti Leathers | Shri O K Kaul |  | - | | - | |  |
|  | Boots Leathers | Nomination awaited |  | - | | - | |  |
|  | CGSI, Mumbai | Nomination awaited |  |  | | WD | |  |
| 1. 10 | Council of Leather Exports, Chennai | Shri A Fayaz Ahmed Shri D Gokulkrishnan | **√** | √ | | √ | | 3/3 |
| 1. 12 | Directorate General of Quality Assurance, Kanpur | (Shri S Chakraborty) Shri T P Banerjee (Nomination Updated ub 24tg neetubg) | - | √ | | √ | | 2/3 |
| 1. 14 | Indian Finished Leather Manufacturers & Exporters Association, Chennai | Shri N Shafeeq Ahmed Shri P K Aslam Basha/ | - | √ | | - | | 1/3 |
|  | Indian Footwear Components Manufacturers Association (IFCOMA) | Nomination Awaited | - | - | | - | |  |
| 1. 17 | Indian Shoe Federation, Chennai | Shri V Muthukumaran Shri Abdul Rahman | **√** | √ | | √ | | 3/3 |
| 1. 22 | National Institute Of Fashion Technology, New Delhi | Dr M. Aravendhan Shri E Sivasakthi | - | √ | | √ | | 2/3 |
|  | Nasser Gloves | Nomination Awaited | - | - | | - | |  |
| 1. 23 | Office Of The Development Commissioner, New Delhi | Ms. Rammiya | - | √ | | - | | 1/3 |
| 1. 25 | SGS India Private Limited, Gurgaon | Shri P. Venkatesan / Shri G Muthukumar | **√** | √ | | √ | | 3/3 |
|  | Stahl India Pvt Ltd. | Shri A Nagarathinam /Shri S Suryanarayan | **√** | - | | √ | | 2/3 |
|  | TUV lab | Mr. Vinodh Kumar.K | - | √ | | √ | | 2/3 |
|  | In personal capacity | Dr. B N Das | - | - | | √ | | 1/3 |
|  | In personal capacity, Chennai | Dr S Sadulla | **√** | √ | | √ | | 3/3 |
|  | In personal capacity | Dr. B Chandrasekaran | **√** | - | | √ | | 2/3 |

**CHD 19 FOOTWEAR SECTIONAL COMMITTEE**

**SCOPE**

‘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)’

|  |  |  |
| --- | --- | --- |
| No. of Meeting | Date | Place |
| 42ND | 30 11 2023 | VC |
| 43rd | 13 02 2024 | Vc |
| 44TH | 10 05 2024 | VC |

**Chairperson:** Dr. B N Das, in personal capacity

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | | **Organization** | | | **Principal/Alternate Member** |  |  | |
| **42nd** | | **43RD** | | **44TH** | **Total** |
|  | | Atharva Labs, Noida | | | Aparna Parvatikar/ Mr. J. Basak | ✓ | | √ | | √ | 3/3 |
|  | | Bata India Ltd., Kolkatta | | | Shri Hitesh Kakkar Mr. Govindaraju | ✓ | | √ | | √ | 3/3 |
|  | | Confederation of Indian Footwear Industries (CIFI) | | | Shri Rajkumar Shri V Noushad | ✓ | | √ | | √ | 3/3 |
|  | | Council for Leather Exports (CLE) | | | Shri. A. Fayaz Ahmad Shri D. Gokulakrishnan | ✓ | | √ | | √ | 3/3 |
| 1. 10 | | Central Leather Research Institute, Chennai | | | Dr. R Mohan/ Shri Mahesh Kumar J | ✓ | | √ | | √ | 3/3 |
| 1. 11 | | Central Reserve Police Force, New Delhi | | | Mr. Sanjeev Kumar Singh Mr. D.P Upadhyay | ✓ | | √ | | √ | 3/3 |
|  | | Central Footwear Training Institute, Chennai | | | Mr. K Murli |  | | C | | √ | 1/3 |
| 1. 13 | | Directorate General of Mines Safety, Dhanbad | | | Mr. Saifullah Ansari Mr. A Rajeshwar Rao | ✓ | | √ | | - | 2/3 |
| 1. 15 | | Directorate General For Quality Assurance, Kanpur | | | Shri S Chakraborty/  Shri Sanjay Verma | **×** | | WD | |  | 1/3 |
| 1. 19 | | Footwear Design & Development Institute, Noida | | | Shri Shailendar Saxena/ Shri Saroj Kumar Panda | ✓ | | √ | | √ | 3/3 |
|  | | Indian Footwear Component Manufacturer’s Association, Noida | | | Mr. Sharad Kant Verma/ Mr. Sanjay Gupta | ✓ | | √ | | √ | 3/3 |
|  | | Laghu Udyog Bharati, New Delhi | | | Mr. Jatinder Paul Chugh Mr. Amit Sancheti | ✓ | | √ | | √ | 3/3 |
|  | | Lancer Footwear (Klick) India Pvt. Ltd., New Delhi | | | Shri Saurabh Gupta | ✓ | | √ | | - | 2/3 |
|  | | Liberty Shoes Limited, Karnal (M) | | | Shri Adesh Gupta/ (Shri S S lahiri) | ✓ | | - | | √ | 2/3 |
| 1. 28 | | M. B. Rubber Private Limited | | | Shri Vipan Mehta | ✓ | | √ | | √ | 3/3 |
|  | | MSME-TDC | | | Shri Aditya Prakash Sharma Shri Tularam Bharti | ✓ | | √ | | √ | 3/3 |
| 1. 32 | | Prolific Engineers, Noida | | | Shri G P Kedia | ✓ | | - | | - | 1/3 |
|  | | Pinza Footwear | | | Shri Prem Mehani | ✓ | | - | | √ | 2/3 |
|  | | SLEEN | | | Nomination awaited | - | | WD | |  |  |
|  | | SGS India Pvt. Ltd., Gurugram | | | Shri Venkatasan Mr. K Pachaiyappan | ✓ | | √ | | √ | 3/3 |
| 1. 37 | | Top Lasts | | | Shri Deepak Manchanda/Shri Anurag Sharma | ✓ | | √ | | √ | 3/3 |
| 1. 39 | | XO Footwear, Delhi | | | Shri Nalin Gupta/Shri Manoj Kumar | ✓ | | √ | | - | 2/3 |
|  |  | |  |

**CHD 20 PAINTS, VARNISHES AND RELATED PRODUCTS**

**SCOPE –**

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

**DETAILS OF LAST 3 MEETINGS**

|  |  |  |
| --- | --- | --- |
| **No. of meeting** | **Dates** | **Place** |
| 28th | 07 03 2024 | Hybrid |
| 29th | 17 05 2024 | VC |
| 30th | 30 08 2024 | EROL, Kolkatta  Physical |

**CHAIRPERSON: Prof. P A Mahanwar, Vice Chancellor of Solapur University, Solapur**

|  |  |  |  |
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| **Sl.**  **No.** | **Organisation Represented** | **Principal/(Alternate)**  **Member** |  |
| **28th** | **29th** | **30th** | **Total** |
|  | Akzo Nobel Coatings India Pvt. Ltd | Mr Sanatan Hajra |  | √ | √ | 2/3 |
|  | Asian Paints Ltd., Mumbai | Mr. Rajeev Kumar Goel  (Mr. Rajes Bardia) | √ | √ | √ | 3/3 |
|  | Berger Paints India Ltd., Howrah | Shri Tapan Kumar Dhar  (Shri Swagata Chakroborty) | √ | √ | √ | 3/3 |
|  | Bharat Heavy Electricals Ltd., Tiruchirapalli | Shri K Srinivasan  (Shri K. Ananda Babu) |  | √ |  | 1/3 |
|  | Central Building Research Institute, Roorke | Dr. Sukhdeo R. Karade  (Dr. P. C. Thapliyal) | √ | √ |  | 2/3 |
|  | Controllerate of Quality Assurance (Materials), Ministry of Defence (DGQA), Kanpur | Sh. A.K. Kanaujia   Shri B S Tomar  Dr Gurbachan Singh | √ | √ |  | 2/3 |
|  | Engineers India Limited, New Delhi | Shri S Ghoshal  (Shri A. Satya Sridhar) |  | √ |  | 1/3 |
|  | Institute of Chem. Technology, Mumbai | Dr. D V Pinjari | √ | √ | √ | 3/3 |
|  | Indian Institute of Technology, Mumbai | Prof. Smrutiranjan Parida |  |  | √ | 1/3 |
|  | Indian Small Scale Paint Association | Mr. Nirav Raveshia  Mr. H Sathyanarayan  Mr. Mukesh Goyal | √ |  | √ | 2/3 |
|  | Kansai Nerolac Paints Ltd., Mumbai | Mr. Laxman Nikam  (Mr. Manoj Kumar Somani) | √ | √ | √ | 3/3 |
|  | Meta-Chem Paints & Adhesives Pvt. Ltd. | Shri Biswanath Panja  (Shri Hemant Kulkarni) | √ | √ | √ | 3/3 |
|  | Ministry of Environment, Forests & Climate Change, New Delhi | Nomination awaited |  |  |  | - |
|  | National Test House (ER), Kolkata | Dr Brij Mohan Singh Bisht  Shri Sudhakar Jaiswal | √ | √ | √ | 3/3 |
|  | Naval Materials Research Laboratory (NMRL), Thane | Dr. T K Mahato  (Dr G Gunasekaran) |  | √ |  | 1/3 |
|  | Office of the Micro Small & Medium Enterprises (MSME), New Delhi | Smt M Annabackiam  (Smt M S Rammiya) |  | √ | √ | 2/3 |
|  | Pidilite Indusries Ltd., Mumbai | Shri Ramesh Kashyap  (Shri Sushant Pangam) |  | WD |  |  |
|  | Research Designs & Standards Organization, Lucknow | Shri P K Bala  (Shri K P Singh) | √ | √ | √ | 3/3 |
|  | Shriram Institute for Indl. Research, Delhi | (Shri A. K. Majumdar)  Shri Mohan Singh Chauhan | √ | √ | √ | 3/3 |
|  | Shalimar Paints |  | C |  | √ | ½ |
|  | The Society for surface protective coatings India, Mumbai (earlier SSPC India Chapter, Kolkata) | Dr.Buddhadeb Duari  (Shri Anil Singh) | √ |  | √ | 2/3 |
|  | The Shipping Corporation of India Ltd., Mumbai | (Shri N.K.Tripathi)  (Shri Sushil Oraon) |  | √ | √ | 2/3 |
|  | CONSUMER VOICE (O) | Shri M A U Khan  Dr. R K Jha  B K Mukhopadhyay |  | √ |  | 1/3 |
|  | In personal capacity | Dr. S K Saha |  |  | √ | 1/3 |
|  | In personal capacity | Dr. B P Malik | √ | √ | √ | 3/3 |

**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 including application of nanotechnology in paint raw materials.

b) To coordinate with work of ISO/TC 35 & ISO/TC 256.

**DETAILS OF LAST THREE MEETINGS**

|  |  |  |
| --- | --- | --- |
| **No. of meeting** | **Dates** | **Place** |
| **14th** | **24 12 2023** | **HYBRID** |
| **15th** | **22 03 2024** | **HYBRID in WROL MUMBAI** |
| **16th** | **28 06 2024** | **HYBRID** |

**CHAIRPERSON: Prof. A S Khanna, in personal capacity**

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| **Sl.**  **No.** | **Organization Represented** | | **Principal / (Alternate)** |  | |  | |  | |
| **14TH** | **15TH** | | **16TH** | | **Total** | |
|  | | [Akzo Nobel India Limited, Gurugram](javascript:;) | Shri Sanatan Hajra | √ | √ | | √ | | 3/3 | |
| 1. 3 | | Asian Paints Ltd., Mumbai **(U)** | Mr. Rajeev Kumar Goel  (Dr. Subrahmanya Shreepathi) | √ | √ | | √ | | 3/3 | |
| 1. 5 | | Atul Limited **(M)** | Dr. Mahesh Soni  Shri Himanshu Dhol | - | WD | |  | | 0/3 | |
| 1. 6 | | Berger Paints India Limited, Kolkata (M) | Dr. T K Dhar  Shri Tapas Koley | √ | √ | | √ | | 3/3 | |
|  | | M/s Eastman Chemical India Pvt. | Shri Chetan Gaidhani | √ |  | |  | | 1/3 | |
| 1. 11 | | Heubach India, Mumbai **(M)** | Shri J I Sevak  Shri Dharmesh Bhatt | √ | √ | | √ | | 3/3 | |
|  | | Hartcourt Butler Technological University (HBTU) |  |  | C | |  | | 0/1 | |
| 1. 15 | | ICT, Mumbai **(T)** | Prof. Sabnis  (Prof. Mehanuvar) | √ | √ | | √ | | 3/3 | |
| 1. 17 | | Indian lead zinc development association, New Delhi (M) | Shri K. Sridhar | √ |  | |  | | 1/3 | |
| 1. 19 | | Indian Institute of Chem. Technology, Hyderabad **(T)** | Dr Ramanuj Narayen  Dr Pratyay Basak | √ |  | |  | | 1/3 | |
|  | | Institute of Minerals & Materials Technology, Bhubneswar | Nomination awaited | **-** |  | |  | |  | |
|  | | Indian Small Scale Paint Association (ISSPA) | Shri Vijay Dagli  Shri H C Sathyararayana  Shri Vijay Joshi |  | C√ | | √ | | 2/2 | |
| 1. 22 | | Kansai Nerolac Paints Ltd., Mumbai **(U)** | Shri Laxman Nikam  Shri Manoj Kumar Somani | √ | √ | |  | | 2/3 | |
|  | | Office of micro, small and medium Enterprises (MSME) |  |  | C | | √ | | 1/1 | |
|  | | National Test House, Ghaziabad | Shri Budh Prakash  Dr. Brijmohan Singh Bisht | √ | √ | | √ | | 3/3 | |
| 1. 27 | | Shriram Institute of Industrial Research. **(M)** | Shri A K Majumdar  Shri Mohan Singh Chauhan | √ |  | | √ | | 2/3 | |
|  | | Shalimar Paints |  |  | C | |  | | 0/1 | |
| 1. 28 | | THE SOCIETY FOR SURFACE PROTECTIVE COATINGS- INDIA, MUMBAI (SSPC India Chapter) | Dr. Buddhadeb Duari | √ |  | |  | | 1/3 | |
| 1. 29 | | 20 Microns Limited, Mumbai **(M)** | Dr. Hemant Patel  Shri K K Mishra | √ | √ | | √ | | 3/3 | |
| 1. 31 | | University Institute of Chemical Technogy, Jalgaon **(T)** | Prof. Ravindra Puri | √ | √ | | √ | | 3/3 | |
| 1. 32 | | Vapi Oxide Colours Pvt. Ltd. (VOXCO), Vapi **(M)** | Shri Ishan Raveshia  (Ms Minal Mayekar) | √ | √ | | √ | | 3/3 | |
| 1. 33 | | CONSUMER VOICE (O) | Shri M. A. U. Khan  Shri B. K. Mukhopadhaya | √ |  | | √ | | 2/3 | |
|  | | CSIR- National Metallurgical Laboratory Burmamines, Jamshedpur | Dr. Ashok K. Mohanty | √ | WD | |  | | 1/1 | |
|  | | Tata Pigments, Jamshedpur | Nomination Awaited | - | WD | |  | | - | |

**CHD 23 BRUSHWARE, POLISHES, LAC & LAC PRODUCTS SECTIONAL COMMITTEE**

**SCOPE**

“To formulate Indian Standards for terminology; methods of sampling and test; codes of practice; guidelines and specifications for the following:

1. 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.”

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| **MEETINGS** | **DATES** | **PLACE** |
| 25TH | 10 10 2022 | VC |
| 26th | 08 08 2023 | VC |
| 27th | 20 03 2024 | HYBRID |

**CHAIRPERSON: Dr. Abhijit Kar, Director, ICAR - NISA (earlier Indian Institute of Natural Resins & Gums), Ranchi**

|  |  |  |  |  |
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| **Sl**  **No** | **NAME OF THE ORGANISATION** | **Principal/Alternate**  **Member** |  | |
| **25th** | **26th** | | **27th** | **Total** |
|  | ICAR- National Insitute of Secondary Agriculture (earlier IINRG), Ranchi | Shri Arnab Roy Chowdhury | **√** | **√** | | √ | 3/3 |
|  | Asian Paints | Shri Rajesh Bairwa | - | - | | WD | 0/3 |
|  | Central Leather Research Institute, Chennai | Dr S N Jaisankar | **√** | **√** | | √ | 3/3 |
|  | Controllerate of Quality Assurance, DGQA Kanpur | Shri Arunabh Choudhary  Dr. K C Gupta | **√** | **√** | | √ | 3/3 |
|  | Dept. Of Industrial Policy & Promotion, New Delhi | Shri P. K. Jain  (Shri N. C. Tiwari) | - | - | | WD | 0/3 |
|  | Directorate of Marketing and Inspection, Faridabad | Dr. S.C.Khurana  (Shri R.K.Meena) | - | - | | WD | 1/3 |
|  | Govt. of India Stationery Office, Kolkata | Shri Bishambar Dhar | - | **√** | | √ | 2/3 |
|  | INDIAN TRANSFORMERS MANUFACTURERS ASSOCIATION, VAISHALI  (doubtful when coopted on portal) |  |  |  | | **√** | 1/3 |
|  | National Test House (NR), Ghaziabad | Shri Buddh Prakash  Shri Ashish Bharti | **√** | - | | **√** | 2/3 |
|  | Pidilite Industries Ltd. | Awaited | - | - | | WD | 0/3 |
|  | Reckittt & Benckiser India Ltd., Kolkata | Shri Rajiv Khurana | - | - | | WD | 0/3 |
|  | Renshel Export Pvt Ltd, Kolkata | Shri Suraj Singhania  (Shri Rohit Singhania) | - | - | | WD | 0/3 |
|  | Shellac and Forest Products Export Promotion Council, Kolkata | Shri Ashish Gajanan Agrawal (Dr. Debjani Roy) | **√** | - | | **√** | 2/3 |
|  | Shriram Institute for Industrial Research, Delhi | Dr. P. K. Kaicker  (Shri A. K. Majumdar)  Dr. Manmohan Singh Chauhan | - | **√** | | **√** | 2/3 |
|  | Tajna Shellac Pvt. Ltd., Kolkata | Shri Roshan Lal Sharma | - | - | | WD | 1/3 |
|  | The Jharkhand State Co-op. Lac Marketing & Procurement Fed. Ltd., Ranchi | Shri Jeevendra Kumar  (Shri Kumar Devendra Singh) | - | - | | WD | 1/3 |
|  | The Waxpol Industries Ltd., Kolkata | Shri R. N. Ganguly  (Shri Rabindra Nath Kandu) | **√** | **√** | | **√** | 3/3 |
|  | Tribal Co-Operative Mktg. Development Federation of India Ltd., Delhi | Shri Sudhir Kumar Gullaiya (Shri Siddhartha Sankar Maiti) | - | - | | WD | 1/3 |
|  | National Bamboo Mission | Nomination awaited | - | - | | WD | 0/3 |
|  | Northern Railway | Shri B. S. Khati  Shri Arnab Basu | **√** | **√** | | WD | 2/3 |
|  | Western Railway | Nomination awaited | - | - | | WD | 0/3 |
|  | We Care |  |  |  | | C**√** | 1/2 |
|  | Southern Railway | Nomination awaited | **√** | - | | **√** | 1/3 |
|  | Central Railway | Nomination awaited | - | - | | WD | 0/3 |
|  | CONSUMER VOICE | Shri M A U Khan | **√** | **√** | | √ | 3/3 |
|  | Usha Industries | Rahul Kumar |  |  | | **√** | 1/3 |
|  | Integral Coach Factory, Chennai | Nomination awaited | - | - | | WD | 0/3 |
|  | Rail Coach Factory, Kapurthala | Nomination awaited | - | - | | WD | 0/3 |

**CHD 25 SOAPS AND OTHER SURFACE ACTIVE AGENTS SECTIONAL COMMITTEE**

**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; and

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

**DETAILS OF LAST THREE MEETINGS**

|  |  |  |
| --- | --- | --- |
| **MEETINGS** | **DATES** | **PLACE** |
| **39TH** | **19 12 2023** | **HYBRID** |
| **40th** | **06 03 2024** | **Physical** |
| **41st** | **11 06 2024** | **Hybrid** |

**CHAIRPERSON : Dr. P K S Yadav, Head of Department, Oil Technology, HBTU Kanpur**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl**  **No.** | **NAME OF THE ORGANISATION** | **Principal/Alternate**  **Member** |  | |  | |
| **39TH** | **40th** | | **41st** | | **Total** |
|  | Central Drugs Standard Control Organization, New Delhi (G) | Ms. L. Suganthi  (Ms. D. Hemalatha) | **√** | √ | | √ | | 2/3 |
|  | Central Pollution Control Board,  New Delhi (O) | Mr. Dinabandhu Gouda  Mr. Vishal Gandhi | **√** | √ | | √ | | 2/3 |
|  | Consumer Guidance Society of India, Mumbai (U) | Dr. Sitaram Dixit  Dr. M. S. Kamath | **√** |  | | √ | | 1/3 |
|  | CONSUMER VOICE (U) | Shri M.A.U. Khan  Dr. Rajiv Jha | **√** | √ | | √ | | 2/3 |
|  | Associated Chambers of Commerce and Industry of Inida, New Delhi (ASSOCHAM) |  |  | C | | √ | |  |
|  | Bengal Soaps and Detergents Manufacturers Welfare Association |  |  | C | | √ | |  |
|  | Dabur (India) Ltd. | Mr. Ashish Kumar Dixit Mr. NEERAJ KUMAR GUPTA | **√** | √ | | √ | | 3/3 |
|  | DGQA, Kanpur |  |  | C | | √ | |  |
|  | FASSSDMI, Delhi  (M) | Shri Aseem Galhotra /  Nomination awaited | **√** | √ | | √ | | 3/3 |
|  | Fena (P) ltd., New Delhi | Shri Dalip Jolly  Shri Benny G Jacob | **√** |  | | √ | | 3/3 |
|  | Godrej Consumers Products Ltd., Mumbai (M) | Dr. Manoj Gaur  Shri Venkataswara Yadlapally  Ms. Rupinder Kaur Rawat | **√** | √ | | √ | | 3/3 |
|  | Harcourt Butler Technological Institute, Kanpur , (T) | Mr. Gaurav Singh Mr. Sanjay Kumar Singh | **√** | √ | | √ | | 2/3 |
|  | Hindustan Unilever Ltd., Mumbai (M) | Ms. Preeti Chodankar  Ms. Seema Yadav | **√** | √ | | √ | | 3/3 |
|  | Indian Home & Personal Care Industries Association, Mumbai | Shri Sanjay N Trivedi  Shri Ananthasubramanian Sivakumar | **√** | √ | | √ | | 3/3 |
|  | Indian Oil Corporation Ltd. (IOCL) | Dr. Y S Jhalla/  Shri Rishikesh Prajapati  Shri Alok Srivastava(Y.P.) | **√** | √ | | √ | | 3/3 |
|  | Institute of Chemical Technology, Mumbai | Dr Amit Pratap  Dr.R D Kulkarni | **√** | √ | | √ | | 3/3 |
|  | ITC Ltd.,Kolkatta (M) | Dr. Doss Jayaprakash /  Dr. Guru Prasad K V | **√** | √ | | √ | | 3/3 |
|  | Indian Institute of Technology, Jammu | Dr. Aushtosh Yadav | **C** |  | | √ | |  |
|  | Kavayitri Bhinabai Choudhri North Maharashtra University, Jalgaon | Dr. Pawan Devidas Meshram | **C** |  | |  | |  |
|  | Ministry of Micro Small & Medium Enterprises (MSME), MSME Testing Centre, New Delhi (O) | Shri Manoj Kumar/  Shri Vipul Gaikwad | **√** | √ | | √ | | 3/3 |
|  | NCL, pune |  |  |  | | C | |  |
|  | National Test House, Kolkata (T) | Dr.Amarnath Chakraborty  Shri Vinod Kumar Amirunand Ram | **√** | √ | | √ | | 2/3 |
|  | Novozyme South Asia Pvt. Ltd. | Dr. Vasudheva Reddy  Shri Saurabh Arun Srivastava | **√** | √ | | √ | | 3/3 |
|  | Oil Technologist Association of India (OTAI) |  |  |  | | C | |  |
|  | Procter & Gamble India, Mumbai (M) | Shri Girish Parhate  Shri Sivakumar Thanigachalam | **√** | √ | | √ | | 3/3 |
|  | Reckitt Benckiser India Ltd.,  Gurgaon (M) | Shri Ruchir Shah  Smt. Jasmin Kalra  Shri Anchal Khera | **√** | √ | | √ | | 3/3 |
|  | In personal capacity | Dr.R K Trivedi | **√** | √ | | √ | | 2/3 |

**CHD 26 EXPLOSIVES AND PYROTECHNICS SECTIONAL COMMITTEE**

**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

**DETAILS OF LAST 3 MEETINGS**

|  |  |  |
| --- | --- | --- |
| **MEETINGS** | **DATES** | **PLACE** |
| 26th | 06 12 2022 | VC |
| 27TH | 20 06 2023 | HYBRID  HEMRL, PUNE |
| 28th | 28 12 2023 | VC |

**CHAIRPERSON: DIRECTOR (Dr. A P Dash), HEMRL, PUNE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Organization Represented** | **Principal/Alternate Member** |  | |
| 26th | 27TH | | 28th | Total |
| 1 | Arumugam Fireworks Pvt. Ltd., Sivakasi | Shri K Mariappan/Shri Arun Lalith Kumar | √ | √ | | √ | 3/3 |
| 2 | Ayyan Fireworks, Sivakasi | Shri G Abiruben | - | - | | **C** √ | 1/1 |
| 3 | CDET Explosives Industries Pvt. Ltd., Nagpur | Shri Raghav Rathi | - | √ | | - | 1/3 |
| 5 | Central Mine Planning and Design Institute Ltd., Ranchi | Shri Satyendra Narayan  Shri Binay Kumar Singh | - | √ | | √ | 2/3 |
|  | CIMFR, Dhanbad  (WD in last meeting but not withdrawn because attended next meeting) | Dr C Sawliana/Dr Firoj Ali |  | - | | √ | 1/3 |
| 6 | Central Pollution Control Board, New Delhi | Shri Abhijit Pathak | - | - | | - | 0/3 |
|  | CGSI, Mumbai  (WD in last meeting but not withdrawn because attended next meeting) | Shri Sitaram Dixit/Dr M S Kamath |  | √ | | √ | 2/3 |
| 7 | Coal India Ltd., Kolkata | Shrik Sudhakar  Shri Debdulal Sarkar | - | √ | | - | 1/3 |
| 11 | Directorate General of Mines Safety, Dhanbad | Shri Saifullah Ansari  Shri A Rajeshwar Rao | - | √ | | √ | 2/3 |
| 12 | Directorate of Standardization, New Delhi | Capt. M H Kekre | - | - | | - | 0/3 |
| 14 | Fireworks Manufacturers Association (North India), Gwalior | Shri Harish Milwani/Shri Rajeev Jain | - | - | | - | 0/3 |
| 15 | Fireworks Research & Development Centre, Sivakasi | Shri Absar Ahmad  Shri Mohal Lal Jana | - | - | | - | 0/3 |
| 18 | GOCL Corporation Ltd., Hyderabad | Shri C Sainath  Shri S Vijay Kumar | √ | √ | | √ | 3/3 |
|  | Gudiya Fireworks  (WD in last meeting but not withdrawn because attended next meeting) | Shri Kshitij Jain |  |  | | √ | 1/3 |
| 19 | High Energy Materials Research Laboratory, Pune | Shri C Gururaja Rao  Dr. R B Pawar | √ | √ | | √ | 3/3 |
| 21 | IDL Explosives Ltd. | Shri P Sivasankar Rao  Shri Ajit Ashok Rao Tatwadi | - | √ | | √ | 2/3 |
| 22 | Ministry of Defence (DGQA), New Delhi | Shri P J Chahnde  Shri S Dilip  Dr T K Varadarajan | √ | √ | | √ | 3/3 |
| 23 | Ministry of Defence, Ordnance Factory, Bhandara | Shri D. Vikar  Shri D K Urkude | √ | - | | - | 1/3 |
|  | National Academy of Petroleum and Explosives Safety and Testing Station, Nagpur | Shri H P Sangole | - | - | | - | 0/3 |
| 24 | Neyveli Lignite Corporation Ltd. | Shri M Muthukumaran | √ | √ | | √ | 3/3 |
| 25 | Petroleum and Explosives Safety Organization (PESO), Nagpur | Shri P Kumar\  Shri P. Seeniraj, DCCE | √ | - | | √ | 2/3 |
| 26 | Shri Kaliswari Fireworks, Sivakasi | Shri A P Selvarajan | √ | √ | | √ | 3/3 |
| 27 | Solar Industries India Ltd., Nagpur | Shri A K Jain  Shri P P Deotare | √ | √ | | √ | 3/3 |
| 28 | Standard Fireworks, Sivakasi | Shri M S Saravanan | - | - | | - | 0/3 |
| 30 | The Coronation Fireworks Factory, Sivakasi | Shri P Kanagavel/Shri K Jeyakumar | √ | - | | √ | 2/3 |
| 31 | The Indian Fireworks  Manufacturers Association,  Sivakasi | Shri T Kannan | - | - | | - | 0/3 |
| 32 | The Metal Powder Co. Ltd., Thirumangalam | Shri P Sundarapandian  Shri N Chandrasekaran | √ | √ | | - | 2/3 |
|  | The Tamilnadu Fireworks and Amorces Manufacturers’ Association, Sivakasi  (WD in last meeting but not withdrawn because attended next meeting) | President  (Secretary) | - | - | | - | 0/3 |

**CHD 27 THERMAL INSULATION**

**SCOPE**

a) 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 lingo-cellulesic materials)

b) To co-ordinate with the work of

i) ISO/TC 163 Thermal performance and energy use in the built

ii) ISO/TC 163/SC 1 Test and measurement methods

iii) ISO/TC 163/SC 3 Thermal Insulation Products.

**DETAILS OF LAST 3 MEETINGS**

|  |  |  |
| --- | --- | --- |
| **MEETINGS** | **DATES** | **PLACE** |
| 21st | 09 06 2023 | VC |
| 22nd | 21 03 2024 | VC |
| 23rd | 30 07 2024 | VC |

**CHAIRPERSON: Dr. Harpal Singh, Chief Scientist,Central Building Research Institute,**

**Roorkee**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl No.** | **Organization** | **Representative** |  | |  | |
| **21st** | **22nd** | | **23rd** | | **Total** |
|  | Armacell India | Shadab Ahmed/  Ashish Sharma | **√** | **√** | | **√** | | 3/3 |
|  | BHEL, Trichy | Ray D K / Bhaskar Sundriyal | - | **√** | | **√** | | 2/3 |
|  | BEE, New Delhi | Shri Sourabh Diddi | - |  | | WD | | 0/3 |
|  | CIPET, Chennai | Dr. K P Bhuvana/Mrs. S. Udhayamalar | - |  | | WD | | 0/3 |
|  | CBRI, Roorkee | Dr Ashok Kumar/ Dr Tabish Alam | **√** | **√** | | **√** | | 3/3 |
|  | Caldrys India Refactories Ltd., New Delhi (earlier Hyderabad Inds. Ltd.) | Shri Shantanu Basak  Shri Sahil Surana | - |  | | **√** | | 1/3 |
|  | Central Electricity Authority, New Delhi | Shri Ashok Kumar Rajput | - |  | | WD | | 0/3 |
|  | Confederation of Indian Industry, New Delhi [O] | Shri Dinesh Ghai | - |  | | WD | | 0/3 |
|  | EIL, New Delhi | Shri Prasenjit Saha  Shri Prasenjit Pal | **√** |  | |  | | 1/3 |
|  | Institute of Technology, Nirma University | Dr Vikas J Lakhera | - | **√** | |  | | 1/3 |
|  | Lloyd Insulation (I) Ltd. | K K Mitra/ Jitendra Kumar Jain | **√** | **√** | | **√** | | 3/3 |
|  | MECON Ltd., Ranchi | Shri K K Mishra  Shri Kamesh Kumar  Shri Ashish Kumar Bairagi  Shri Sukanta Adhikari | **√** |  | | **√** | | 2/3 |
|  | NTPC | Sudarshan Chakrabarti/ Rakesh Kumar | - |  | | WD | | 0/3 |
|  | National Fire Safety College | Shri Anup Bhaisare  Shri Pranay, Mahotiya | - |  | | WD | | 0/3 |
|  | National Dairy Development Board, New Delhi | Shri Sumit Shekhar  Shri Alark Kulkarni | - | **√** | |  | | 1/3 |
|  | Newkem Products Corporation | Nimish V Sura/ Kush N Sura | **√** |  | |  | | 1/3 |
|  | Nuclear Power Corporation of India Limited, Mumbai [G] | Atul Bhandakkar/ Devendra Kumar Jain | **√** | **√** | | **√** | | 3/3 |
|  | PIBCO ltd | Dr. Punit Kumar/ Sunil Jain | **√** | **√** | | **√** | | 3/3 |
|  | Punjstar Idustries Pvt. Ltd. (earlier NGP Industries Ltd.) | Shri Anil Singh Rawat  Shri Satya Prakash | **√** | **√** | | **√** | | 3/3 |
|  | Reliance Industries Ltd, Mumbai | Mr. Manish Darji/ Ranjan Singh | **√** |  | |  | | 3/3 |
|  | RDSO, Lucknow | P K Bala/ S R Shisodia | **√** | **√** | | **√** | | 3/3 |
|  | Saint Gobain India Pvt. Ltd. (earlier Rockwool India Pvt. Ltd ) | Shri Biswajit Roy  Shri Ajay Kulkarni | **√** | **√** | | **√** | | 3/3 |
|  | Rockwool Insulation Manufactrers’Association | Amti Jain  Bharat Lokhotia |  | C | | **√** | | 1/2 |
|  | Roxul Rockwool Technical Insulation (I) pvt. ltd | Debapratim Dinda/ Vinay Pratap Singh | **√** | **√** | | **√** | | 3/3 |
|  | Shriram Institute for Industrial Research | Shri Shambu Thakur  Shri Puneet Kapoor | - |  | | WD | | 0/3 |
|  | Tata Consulting Enginnering Ltd, Chennai | Mr. Shivnarayan Pareek | **√** |  | | **√** | | 2/3 |
|  | U P Twiga Fibreglass, New Delhi (merged in Saint Gobain) | Indrajit Bhattacharya/ Biswajit Roy | **-** |  | | WD | |  |
|  | In personal capacity | P P Lahiri | **√** |  | | **√** | | 2/3 |

**CHD 30 NUCLEAR ENERGY FOR PEACEFULL APPLICATIONS**

**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.”

**DETAILS OF LAST MEETINGS**

|  |  |  |
| --- | --- | --- |
| **No. of Meeting** | **Date** | **Place** |
| 27th | 18 08 2023 | HYBRID |
| 28TH | 28 12 2023 | HYBRID |
| 29th | 15 05 2024 | HYBRID |

**CHAIRPERSON:Dr D K Aswal, OS&Director, HS&EG, BARC**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Organisation Represented** | **Principal/**  **(Alternate) Member** |  |  |
| **27th** | **28th** | **29TH** | **Total** |
|  | Atomic Energy Regulatory Board, Mumbai | Sh. S. K. Pawar | √ | - | - | 1/3 |
|  | All India Institute of Medical Science (AIMS), New Delhi | Nomination awaited | - | - | WD | - |
|  | Atomic Mineral Directorate, Hyderabad | Dr. T S Sunilkumar,  Dr. BMahalaxmi | - | - | **√** | 1/3 |
|  | Bhabha Atomic Research Centre , Mumbai | Dr. B K Sapra  (Dr. S K Jha/ Dr. H J Pant) | √ | √ | **√** | 3/3 |
|  | Bharat Heavy Electricals Limited,Trichy | Shri R Ravi Varma  Shri M Arun Kumar | - | √ |  | 1/3 |
|  | Board of Radiation and  Isotope Technology (BRIT),NewDelhi | Shri N. Jayachandran, / Dr. Vijay Kadwad | √ | - |  | 1/3 |
|  | BHAVINI, Kalpakkam | Nomination awaited | - | - | WD | - |
|  | Defence Research &Development Organisation, Jodhpur | Dr.Pradeep Narayan | √ | √ | **√** | 3/3 |
|  | Directorate General of Quality Assurance, Ministry of Defence, New Delhi | Shri R N Aparajit  (Lt. Col Devashish De) | √ | √ |  | 2/3 |
|  | DepartmentofAtomicEnergy,NuclearFuelComplex,Hyderabad | Dr.B.N.Murthy  (ShriY.Balaji Rao) | - | - | WD | 0/3 |
|  | Dr. B R Ambekar National Institute of Technology, Jalandhar |  |  |  | C |  |
|  | ElectronicsCorporationofIndiaLtd.,  Hyderabad | (Shri P C Swain)  Shri P Sudhakar | √ | - |  | 1/3 |
|  | HeavyWaterBoard,Mumbai | Shri C. Mohapatra, (superannuated)  (Ms. Ananya Verma) | - | √ |  | 1/3 |
|  | Hindustan Construction Company | Nomination awaited | - | - | WD | - |
|  | IndianRareEarthsLtd.ResearchCentre,  Mumbai | Shri D Singh  (Shri B R Mishra) | - | - | **√** | 1/3 |
|  | Indira Gandhi Centre for Atomic Research,Kalpakkam | Dr. K. Sundararajan  (Shri S. Chandrasekaran) | √ | - | **√** | 2/3 |
|  | Nuclear Power Corporation of India Ltd., Mumbai, | Shri K Venkataramana  Ms. Vibha Hari | √ | √ | **√** | 3/3 |
|  | Tata Memorial Centre, Mumbai | Dr Rituraj Upreti  (Dr. A Jha) | √ | √ |  | 2/3 |
|  | Uranium Corporation of India Ltd., Jharkhand | Dr. C K Asnani  Dr. P K Tamrakr | - | √ | **√** | 2/3 |
|  | In personal capacity | Shri Bhaskar Pandit | √ | √ |  | 2/3 |

**CHD 32 ENVIRONMENT PROTECTION SECTIONAL COMMITTEE**

To formulate Indian Standards on

i) Terminology, methods of sampling and characterization of soil ***(excluding engineering and agricultural purposes)***

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

**DETAILS OF LAST 3 MEETING**

|  |  |  |
| --- | --- | --- |
| **No. of Meeting** | **Date** | **Place** |
| **20th** | **02 05 2023** | **VC** |
| **21ST** | **20 09 2023** | **Webex** |
| **22nd** | **03 06 2024** | **VC** |

**CHAIRPERSON: Dr. Atul Narayan Vaidya,** Director, NEERI, Nagpur

| **Sl No** | **Organisation Represented** | **Principal/ (Alternate)** |  | |
| --- | --- | --- | --- | --- |
| **20th** | **21st** | | **22nd** | **Total** |
|  | Alkali Manufacturers’s Association of India, New Delhi | Shri Hari Saran Das | √ | √ | | √ | 3/3 |
|  | Bhabha Atomic Research Centre, Mumbai | Dr S K Jha/ Dr.S.K.Sahoo | √ | √ | | √ | 3/3 |
|  | Bharat Heavy Electricals Limited, Haridwar | Shri Shailendra Kumar /  Shri Avinash Kumar) |  |  | | √ | 1/3 |
|  | Cement Manufacturers Association,  New Delhi | Mr. P Sreenivas Raju /  Shri Gopal Gupta  Dr Rachana Sharma | - | √ | | - | 2/3 |
|  | Central Leather Research Institute, Chennai | K. Sri Bala Kameswari/  Dr. S. Swarnalatha | - | √ | | √ | 2/3 |
|  | Central Pollution Control Board  (Min.of Env. & Forests), GoI, New Delhi | Shri G. Thirumurthy/  Dr. C.S. Sharma) | √ | √ | | √ | 3/3 |
|  | Confederation of Indian Industry, New Delhi | Shri Shikar Jain/  Shri Santosh Kumar Yadav | √ | √ | | √ | 3/3 |
|  | CSMCRI, Bhavnagar | Dr. Soumya Haldar  Dr. Hitesh Thakkar |  | C√ | | √ |  |
|  | DGFASLI |  |  |  | | C |  |
|  | Engineers India Limited, Gurugram | Dr. Chiranjibi Pattanaik  Mr. Himanshu Gupta | - | **C** | | √ | 1/1 |
|  | Federation of Indian Chambers of Commerce and Industry, New Delhi | Mr. Shri Mrityunjay Kumar | **-** | **-** | | **-** | **0/3** |
|  | Hindustan Unilever Ltd, Mumbai | Shri Sanjay Harlaka/ | ✓ | ✓ | | √ | 3/3 |
|  | Indian Chemical Council, Mumbai | Dr. Mritunjay chaubey/  (Dr. C Nandi) | ✓ | ✓ | | √ | **3/3** |
|  | Indian Institute of Toxicology Research, Lucknow | Shri S.C.Barman (Retired) /  Dr. Altaf Hussain Khan | − | ✓ | | **-** | **1/3** |
|  | Indian Oil Corporation Ltd, Faridabad | Shri Ravi Prakash Gupta  (Dr. Manoj Kumar) | ✓ | ✓ | | √ | **3/3** |
|  | Ministry of Urban Development, GoI,  New Delhi | Shri Rohit Kakkar/  (Shri Satish Kumar) | − | ✓ | | √ | **1/3** |
|  | Ministry of Jal Shakti | Smt. Jyotika Pegu |  | C√ | | √ |  |
|  | National Council for Cement & Building Material, New Delhi | Shri P. N. Ojha  Shri Anupam/  Shri Anand Bohra | − | ✓ | |  | **1/3** |
|  | National Environmental Engg Research Institute, Nagpur | Dr. Girish R Pophali/  (Ms Rita sandip Dhodapkar)  Dr. Rima Biswas Mondal | ✓ | ✓ | |  | **3/3** |
|  | NTPC Ltd, New Delhi | Shri K Karthikeyan/  (Shiv Charan Meena) | ✓ | ✓ | | √ | **3/3** |
|  | PHD Chamber of Commerce | Mr Saurabh Sanyal  Dr Jatinder Singh | ✓ | ✓ | |  | **3/3** |
|  | Steel Authority of India Ltd (A Govt of India Enterprise), New Delhi | Shri Inderpal Dhull /  Mrs Rakhi Sen | ✓ | ✓ | |  | **3/3** |
|  | The Energy and Resources Institute, New Delhi | (Dr Suneel Pandey) | ✓ | ✓ | |  | **2/3** |
|  | The Fertilizer Association of India, New Delhi | Shri Manish Goswami  Shri Nitin Bhagwant Kulkarni | ✓ | - | | √ | **2/3** |
|  | ICAR – CSSRI, Karnal | Dr AK Rai  Dr Ashim Datta | ✓ | - | |  | **2/3** |

**CHD 33 SOLID WASTE MANAGEMENT SECTIONAL COMMITTEE**

**SCOPE**

“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)”.

**DETAILS OF LAST 3 MEETINGS**

|  |  |  |
| --- | --- | --- |
| **No. of Meeting** | **Date** | **Place** |
| 17th | 26 10 2023 | HYBRID |
| 18th | 08 02 2024 | Hybrid |
| 19th | 28 06 2024 | VC |

**CHAIRPERSON : Dr.Anuradha Shukla, in personal capacity**

| S.No | Organization Represented | Principal/ Alternate Member |  |  |
| --- | --- | --- | --- | --- |
| 17TH | 18th | 19th | Total |
|  | Alkali Manufacturers’ Association of India | Shri K Srinivasan  (Dr. H S Das) | √ | √ | √ | 3/3 |
|  | Cement Manufacturers Association, New Delhi | Shri Anil Kumar Trivedi/  Mr. K V Reddy (Dr Rachana Sharma) | √ | √ | √ | 3/3 |
|  | Central Pollution Control Board, New Delhi | Ms. Divya Sinha | √ | - | - | 1/3 |
|  | Central Road Research Institute, New Delhi | Dr Siksha Swaroop Kar/  (Dr Rina Singh) | √ | √ | √ | 3/3 |
|  | Confederation of Indian Industry, New Delhi | Dr. Santosh Kumar Yadav  (Ms. Anjali) | √ | √ | √ | 3/3 |
|  | Development Alternative | Dr. K Vijaya Lakshmi  Dr. Palas Kumar Haldar | √ | √ | √ | 3/3 |
|  | Department of Science and Technology, Ministry of Science, GOI | Dr. R K Joshi | √ | √ | √ | 3/3 |
|  | In personal capacity | Dr N B Majumdar | ✓ |  |  | 1/3 |
|  | Indian Centre for Plastics in the Environment, Mumbai | Shri TK Bandopadhyay/  (Shri Gopal Jha) | √ | √ | √ | 3/3 |
|  | IIT, Mumbai |  |  |  | C |  |
|  | IIT(ISM), Dhanbad |  |  |  | C |  |
|  | IMMT, Bhubaneswar |  |  |  | C |  |
|  | CPHEEO, Ministry of MoHUA |  |  |  | C |  |
|  | Ministry of Environment, Forest and Climate Change | Shri Satyendra Kumar/  Shri Shri Amit Love | √ | √ | - | 2/3 |
|  | National Council for Cement and Building Material, New Delhi | Shri Anupam/  (Shri Prateek Sharma) | - | √ | √ | 2/3 |
|  | National Solid Waste Association of India | Shri Amiya Kumar Sahu/ | − |  | WD  (inactive) | 0/3 |
|  | NTPC Limited, New Delhi | Shri Pankaj Kumar Gupta  Shri Ashwini Kumar Verma | √ | - | √ | 2/3 |
|  | Steel Authority of India Limited, New Delhi | Shri Rajneesh Kumar Gupta /  (Shri Inderpal Dhull) | √ | √ | √ | 3/3 |
|  | Enecovery Waste Solutions Private Limited, Mumbai (earlier Steps Pvt Ltd) | Shri T Raghavendra Rao | √ | √ | √ | 3/3 |
|  | The Energy and Resources Institute, New Delhi | Dr. Suneel Pandey | √ | √ | √ | 3/3 |
|  | The Fertilizer Association of India, New Delhi | Shri Manish Goswami/  (Shri G M Patel) | − | √ | √ | 2/3 |
|  | In personal capacity | Sanchita Jindal, Former Adviser ( Scientist G), MoEF&CC | √ | √ |  | 2/3 |
|  | In personal capacity | Shri Pradeep Kumar Khandelwal (Retd. Chief Engineer, EDMC) | √ | √ | √ | 3/3 |
|  | Hindalco Industries | Shri Soubhagya Kr Tripathy  Ms Rashmi Gupta | ✓ | √ |  | 2/3 |
|  | In personal capacity | Capt. Manju Minhas | − | √ |  | 1/3 |
|  | In personal capacity | Dr. Sadhan K Ghosh | ✓ | √ | √ | 3/3 |
|  | Mahashtra Pollution Control Board | Shri Vishwajeet  (Manish Holkar) | C | **-** | **-** | **0/3** |

**CHD 34 ENVIRONMENTAL MANAGEMENT SECTIONAL COMMITTEE**

**SCOPE :**

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

- test methods of pollutant

- setting limit values regarding pollutants of effluents

- setting environmental performance levels

- Standardization of products

b) International Liaison

- To coordinate with the work of

ISO/TC 207 Environmental Management

ISO/TC 265 Carbon Capture, Storage and Transportation

ISO/TC 323 Circular Economy

**DETAILS OF LAST 3 MEETINGS**

|  |  |  |
| --- | --- | --- |
| **No. of Meeting** | **Date** | **Place** |
| 30TH | 13 10 2023 | VC |
| 31st | 14 03 2024 | HYBRID |
| 32nd | 28 06 2024 | VC |

**Chairperson: Dr.S.K.Sharma, In Personal Capacity**

| **Sl.**  **No** | **Organization Represented** | **Principal/ (Alternate)**  **Member** |  |  | |
| --- | --- | --- | --- | --- | --- |
| **30TH** | | **31st** | | **32nd** | **Total** |
|  | Association of Certification Bodies of India | Shri K.Doraiswamy/ Shri Sanjay Kumar Kaushik | √ | | - | | √ | 2/3 |
|  | Bhabha Atomic Research Centre, Mumbai | Dr.A Vinod Kumar/ Dr.S.K. Sahu | √ | | √ | | √ | 3/3 |
|  | Bureau of Energy Efficiency, Ministry of Power, New Delhi | Dr Ashok Kumar/ Shri Sunil Khandare | - | | √ | | - | 1/3 |
|  | Central Leather Research Institute, Chennai | Dr. K Sri Bala Kameswari/ Dr S Swarnalatha | √ | | √ | | - | 2/3 |
|  | CPCB | Shri G Thirumurthy | √ | | √ | | √ | 3/3 |
|  | Confederation of Indian Industry, New Delhi | Shri Shikhar Jain/ Ms. Anjali | - | | √ | | - | 1/3 |
|  | Carbon Minus India, New Delhi | Dr. Srikanta K. Panigrahi/  Ms. Meenakshi Jain | WD (inactive) | | √ | | C+√ | 2/3 |
|  | Center for Study of Science, Technology and Policy (CSTEP) | Dr. Indu K. Murthy/ Dr. Anjali Taneja |  | | - | | C |  |
|  | Consumer Education and Research Centre, Ahmedabad | *Ms. Anindita Mehta/ Ms Divya Namboothiri* | √ | | - | | √ | 2/3 |
|  | Environmental Protection Training and Research Institute, Hyderabad | Dr. J. Sesha Srinivas | √ | | √ | | √ | 3/3 |
|  | Federation of Indian Chambers of Commerce &Industry (FICCI), New Delhi | Shri M A Patil/ Shri Mritunjay Kumar/ Ms Tanya Khanna | √ | | √ | | - | 2/3 |
|  | Indian Chemical Council | Dr Mritunjay Chaubey Dr Krish Nendu Sil | WD (inactive) | | √ | | C+√ | 2/3 |
|  | India Glycols Limited | Dr.R.K.Sharma/ Shri Sarang Khati | √ | | √ | | - | 2/3 |
|  | Indian Oil Corporation Ltd., Fardiabad | Dr. Umish Srivastava/ Dr. Manoj Kumar Upreti | - | | - | | √ | 1/3 |
|  | JSW Steel Ltd. | Shri Prabodha Acharya/ Shri Swaroop Banerjee | - | | - | | - | 0/3 |
|  | National Council for Cement and Building Materials, New Delhi | Sh. Prateek Sharma/ Shri Anand Bohra | √ | | √ | | √ | 3/3 |
|  | RITES Ltd, Gurgaon | Shri M. P. Mandal/ Shri Abhay Kumar Sharma | √ | | - | | √ | 2/3 |
|  | Quality Council of India | Shri Ajay Kumar Sharma Shri Mohana Rao S V | WD (inactive) | | √ | | C | 1/3 |
|  | TATA Consultancy Service Ltd. | Shri Debashish Nath | √ | | √ | | √ | 3/3 |
|  | The Fertiliser Association of India, New Delhi | Shri Manish Goswami/ Shri J Harihara &/ Dr Desh Deepak Chaturvedi | √ | | √ | | √ | 3/3 |
|  | In personal capacity | Dr. V S Mathur | √ | | √ | | √ | 3/3 |
|  | In personal capacity | Prof. Sadhan K Ghosh | WD  (inactive) | | √ | | C+√ | 2/3 |
|  | JK Tyre & Industries Limited, Rajasthan | Dr. Rajiv Bhatnagar Shri Ashok | √ | | √ | | √ | 3/3 |

**CHD 35 Air Quality Sectional Committee**

SCOPE

To formulate India Standards for

1. 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).
2. Terminology, methods for measurement of Noise Levels.

**Composition of Air Quality Sectional Committee, CHD 35**

**Details of Last Three Meetings**

|  |  |  |
| --- | --- | --- |
| No. of Meeting | Date | Place |
| 16TH | 21 12 2023 | VC |
| 17th | 21 03 2024 | VC |
| 18th | 13 06 2024 | VC |

**Chairperson**: Dr. Gauri Pandit, In Personal Capacity

| **Sl. No.** | | **Organization Represented** | | | | **Principal/ (Alternate) Member** |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **16TH** | **17TH** | **18TH** | **Total** |
|  | | Bhabha Atomic Research Centre, Mumbai | | | | Dr. A Vinod Kumar/ Dr. S K Sahu | √ | √ | - | 2/3 |
|  | | Central Pollution Control Board (MoEFCC), GoI, New Delhi | | | | Shri Aditya Sharma / Dr. R C Srivastava | - | √ | √ | 2/3 |
|  | | Confederation of Indian Industry, New Delhi | | | | Mr. Mohit Sharma/  Mr. Shubham Mishra | √ | √ | - | 2/3 |
|  | | Dyson Technology | | | |  |  |  | C | - |
|  | | Ecotech Instruments, Greater Noida | | | | Dr Rajendra Prasad | √ | √ | √ | 3/3 |
|  | | Envirotech Instruments Pvt. Ltd. | | | | Dr. Balbir Singh/ Shri Ashish Gupta | √ | √ | - | 2/3 |
|  | | Envirotech East Pvt. Ltd., Kolkatta | | | | Mr. Asoke Kumar Banerjee/  Mr. Sanjib Kumar Goswami |  | C | √ | 1/1 |
|  | | Green Economic Initiatives Pvt. Ltd., Mohali | | | | Dr. R S Saini/ Ms. Sonika Pawar | √ | √ | √ | 3/3 |
|  | | In personal capacity | | | | Dr. N Raveendhar | - | √ | √ | 2/3 |
|  | | In personal capacity | | | | Shri Sanjib Kumar Goswami | √ | WD |  | 3/3 |
|  | | In personal capacity | | | | Dr. S.N.A Rizvi | √ | √ | √ | 3/3 |
|  | | In personal | | | | Dr. S K Tyagi | √ | √ | - | 2/3 |
|  | | Indian Association for Air Pollution Control | | | | Dr. J S Sharma | √ | - | √ | 2/3 |
|  | | Indian Chemical Council, Mumbai | | | | Mr. Dhrumil Soni/  Ms. Shraddha Rane | - | √ | √ | 2/3 |
|  | | IIT, New Delhi | | | | Nomination Awaited | C | - | - |  |
|  | | Maharashtra State Pollution Control Board, Govt of Maharashtra, Mumbai | | | | Dr. P D Khadkikar/ Mr. Kishore Gawankar | √ | √ | √ | 3/3 |
|  | | Ministry of Environment & Forest | | | | Nomination Awaited |  |  |  |  |
|  | | National Environmental Engg Research Institute, Nagpur | | | | Dr. S.K. Goyal/ Ms. Sumita Aggarwal | √ | √ | √ | 3/3 |
|  | | NCCBM, Ballabgarh | | | | Shri Anand Bohra/ Shri K R P Nath | √ | √ | √ | 3/3 |
|  | | National Physical Laboratory | | | | Dr. Shankar Agarwal/ Dr. Tuhin Kr. Mandal | √ | √ | √ | 3/3 |
|  | | NTPC Ltd, New Delhi | | | | Mr. Vijay Prakash/ Mr. Rajiv Ranjan | √ | √ | √ | 3/3 |
|  | | The Fertilizer Association of India, New Delhi | | | | Mr. Manish Goswami Mr. Arum kumar mandal | √ | √ | √ | 3/3 |
|  | | UNIPHOS Envirotronics Pvt. Ltd., Gujarat | | | | Mr. Vijay Pandey/ Mr. Vinayaka Prabhakar Valsangkar/ Dr. R C Naik | √ | √ | √ | 3/3 |
|  |  | |  |  |

**CHD 36 Water Quality Sectional Committee**

SCOPE

To formulate Indian Standards for

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

|  |  |  |
| --- | --- | --- |
| **No. of Meeting** | **Date** | **Place** |
| 18TH | 21 11 2023 | VC |
| 19th | 26 02 2024 | VC |
| 20th | 25 06 2024 | VC |

**Chairperson**: Dr N Raveendhar, Chief Environmental Scientist, EPTRI, Hyderabad

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.No | Organisation Represented | | | | Principal/ (Alternate) Member |  |  |
| 18TH | 19th | 20th | Total |
|  | Andhra Pradesh State Pollution Control Board | | | | Ms. M Sreeranjan/  Ms. A Samyuktha | √ | - | √ | 2/3 |
|  | Bhabha Atomic Research Centre, Mumbai | | | | Shri S Jayakumar/ Mr. Shri Manoj Mohapatra | √ | - | √ | 2/3 |
|  | Bharat Heavy Electricals Limited, Haridwar | | | | Shri Shailendra Kumar/ Shri Sudhir Bhartiya/ Shri Avinash Kumar | √ | √ | √ | 3/3 |
|  | Central Pollution Control Board (MoEFCC), GoI, New Delhi | | | | Shri P. K. Mishra  Shri. Vishal Gandhi | √ | - | - | 1/3 |
|  | CII-Triveni Water Institute, New Delhi | | | | Dr. Kapil K Narula  Dr.Sipika Chauhan |  | √ | √ | 2/3 |
|  | CSIR - Central Institute for Mining and Fuel Research, Dhanbad | | | | Dr Abhay Kumar Singh | √ | - | - | 1/3 |
|  | Department of Civil Engineering, IIT Madras | | | | Dr.Ligy Philip/  Dr. S Mathava Kumar |  |  |  |  |
|  | Department of Water Supply and Sanitation (State Govt. Pujnab) | | | |  |  | C |  |  |
|  | Envirocare Laboratories, Thane | | | | Dr.PritiAmritkar/  Dr.NileshAmritkar | √ | C√ | √ | 3/3 |
|  | Envirocare East Pvt. Ltd., Kolkatta | | | |  |  | √ | √ | 3/3 |
|  | FAD 14 | | | | BIS Member Secretary FAD 14 | √ | √ | √ | 3/3 |
|  | Himachal Pradesh State Pollution Control Board, Govt of Himachal Pradesh, Himachal Pradesh | | | | Er. Praveen Gupta  Dr Praveen Kumar |  | - | - |  |
|  | In personal capacity | | | | Shri Sanjib Kumar Goswami | √ | WD |  |  |
|  | In Personal Capacity | | | | Dr Rakesh Mehrotra | √ | √ | √ | 3/3 |
|  | In Personal Capacity | | | | Shri N Murali Mohan | √ | √ | √ | 3/3 |
|  | In personal capacity | | | | Dr. S N A Rizvi | √ | √ | √ | 3/3 |
|  | Indian Chemical Council, Mumbai | | | | Shri J I Sevak  Shri Dhrumil Soni | √ | √ | √ | 3/3 |
|  | Indian Institute of Chemical Technology, Hyderabad | | | | Dr. Sundergopal Sridhar/ Dr. Nivedita Sahu |  | √ | √ | 3/3 |
|  | Indian Institute of Toxicology Research, Lucknow | | | | Shri Satyakam Patnaik | √ | - | √ | 2/3 |
|  | Indian Water Works Association | | | | Shri Vijay Charhate | √ | √ | - | 1/3 |
|  | Karnataka State Pollution Control Board, Bangalore | | | | Dr. H Rupadevi/  Ms. GouriGolsangi | √ | √ | √ | 3/3 |
|  | Maharashtra State Pollution Control Board, Govt of Maharashtra, Mumbai | | | | Dr Smita N Wagh/  Dr Vishwajeet Thakur | √ | √ | √ | 3/3 |
|  | Ministry of Environment Forest and Climate Change, New Delhi | | | | Dr.Sonu Singh | √ | √ | - | 2/3 |
|  | Ministry of Jal Shakti, Department of Drinking Water and Sanitation, New Delhi | | | | Shri D. Rajasekhar  Shri Sumit Priyadarshi | √ | √ | √ | 3/3 |
|  | National Environmental Engg Research Institute, Nagpur | | | | Dr. Noor Afshan Khan | √ | - | √ | 2/3 |
|  | NTPC Ltd, New Delhi | | | | Dr. Vijay Prakash/  Shri. Himat Desur Gojiya | √ | √ | √ | 3/3 |
|  | National Institute of Oceanography, Goa | | | | Shri. Durbar Ray | √ | - | √ | 2/3 |
|  | Federation of All India Packaged Drinking Water Manufacturers Associations (FIPMA), New Delhi | | | | Shri. Apurva Narendra Doshi/  Shri Naveen Goel | √ | √ | √ | 3/3 |
|  | Shriram Institute for Industrial Research, New Delhi | | | | Dr. Vivek Narayan Singh  Dr. Jagdish Kumar | √ | √ | √ | 3/3 |
|  | Uttar Pradesh State Pollution Control Board | | | | Dr. Arunima Bajpai | √ | √ | √ | 3/3 |
|  | |  |  |
|  | |  |  |

**ANNEX IV**

**(ITEM 8.5.2)**

**REPORT OF CONVENTION**

BIS organized a Convention for Deans and Heads of Departments (HoDs) of MoU Partner institutions of the Chemical Engineering and Chemistry disciplines. The event took place at Dhauladhar Heights Resort, Dhauladhar on the 23rd and 24th of August 2024.

Shri Chandan Bahl, Deputy Director General (IR&TIS, MS, SCM), inaugurated the program and emphasized the critical role of academia in the standardization process. He highlighted the importance of engaging with educational institutions and discussed how BIS has initiated efforts to involve students from grades 9 to 12 by establishing Standards Clubs in schools and colleges. The aim of these clubs is to cultivate future quality ambassadors and informed consumers. He also shared that the program of engaging with academic institutions began in December 2020. Initially, there was apprehension on both sides, but gradually, faculties became convinced of the initiative's value, and more institutions are now joining the list. He also outlined the various opportunities that can be leveraged through a BIS-Academia partnership, including the active participation of faculty members in the standards formulation process, fostering a cohesive relationship between research and standardization efforts, and sensitizing students to the fundamental concepts of standardization. He underscored how these collaborations can drive innovation, enhance the quality of research, and integrate academic insights into national and international standards.

Dr. Surya Kalyani S, Scientist-E and Head of the Think, Nudge & Move Department at the Bureau of Indian Standards (BIS), delivered an insightful presentation providing an overview of BIS. She outlined the organization's core functions and its critical role in developing and maintaining national standards. Dr. Kalyani emphasized the comprehensive process of standard formulation, detailing each step from the initial identification of standardization needs to the drafting, public consultation, and final approval stages. She highlighted the importance of stakeholder engagement, including the participation of academia, in ensuring that standards are robust, inclusive, and effective.

Following this, Ms. Neha Yadav, Scientist-D, gave a live demonstration of revamped BIS's Standardization Portal. She showcased the latest digital initiatives and platforms developed to streamline the standardization process and making it more accessible and efficient. Ms. Yadav illustrated how these tools are designed to facilitate greater participation from academia and other stakeholders by providing easy access to draft standards, enabling the submission of comments and suggestions, and offering a range of other interactive features to enhance collaboration.

Shri Ajay K Lal, Scientist-F & Head of the Chemical Department, and Shri Chinmay Dwivedi, Scientist-E & Head of the Petroleum, Coal, and Other Related Products Department, delivered technical presentations on the ongoing standardization work in their respective fields.

Two technical sessions were held during the convention, led by Mr. Shivam Dwivedi, Scientist-C; and Ms. Shubhanjali Umrao, Scientist-C. Mr. Dwivedi in his presentation highlighted the various Indian standards developed by BIS related to polymers and plastic recycling while Ms Umrao presented the Indian standards related to safety and hazards in process industries including standards on various Personal Protective Equipment.

In addition to above, in order to make programme more interactive and engaging a group exercise session was conducted. In the group exercise session, seven groups were formed and tasked with identifying key areas where new standards are needed. Attendees engaged actively and pin-pointed approximately 30 critical areas requiring standardization, with primarily focusing on safety and waste management. Few of the important topic suggested for standard formulation are product specification standards for polycarbonate and polystyrene products, high performance polymer product such as ABS, Membrane filter, waste derived fuels and gases, cosmetic products. Code of practice for disposal of flammable material, e-waste, requirements for microplastics in different matrices, storage and disposal of chemicals in chemical laboratory, selection of solid waste for conversion to waste recovery fuel, disposal of solar panels. Guideline document for Segregation of cement waste, segregation of waste from chemical industries, sector specific carbon footprint standards.

The convention concluded on a high note, with the second day featuring a session that discussed the key takeaways from the event, beneficial to both BIS and the academic community. **Some important takeaways for BIS included as follows:**

a) Organizing faculty development programs

b) Revisiting the content of technical proposals in the R&D guidelines to better align with field experience

c) Conducting meetings with MoU institutes in various regions to better understand the initiatives taken by these institutes

d) Sponsoring conferences with MoU partners, where BIS could deliver subject-specific lectures initiating outreach programs with MoU institutes and their industry partners

e) Collaborating with incubators for hackathons, and inviting R&D proposers to present their ideas in dedicated sessions.

**For academic institutions, the key takeaways included as follows:**

a) Implementing a mandatory one-week program for students focused on standards

b) Reviewing course content from a standardization perspective and designing curricula accordingly

c) Promoting the significance of standards at technical festivals in colleges.

This was followed by visit and a sightseeing tour, providing a unique opportunity for participants to engage in informal networking and foster stronger connections between the Bureau of Indian Standards (BIS) and the academic community. Overall, this convention marks a significant step forward in bridging the gap between academia and standardization bodies, creating pathways for research which will directly impact policy and industry practices. It set the stage for a more dynamic partnership, ensuring that India's standards are not only in tune with global developments but are also at the forefront of technological and scientific advancements.

**ANNEX VI**

**(ITEM 11.9)**

**DIS BALLOTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **Committee / Working Group with title** | **National Mirror Committee** | **Reference** | **Title** |
| 1 | ISO/TC 38/SC 1  Tests for coloured textiles and colorants | Nomination not required | ISO/DIS 105-X11 (Ed 5) | Textiles — Tests for colour fastness — Part X11: Colour fastness to hot pressing |
| 2 | ISO/TC 107  Metallic and other inorganic coatings | Nomination not required | ISO/DIS 2361 (Ed 3) | Electrodeposited nickel coatings on magnetic and non-magnetic substrates — Measurement of coating thickness — Magnetic method |
| 3 | ISO/TC 42  Photography | CHD 5 | ISO/DIS 3664 (Ed 4) | Graphic technology and photography — Viewing conditions |
| 4 | ISO/TC 35/SC 9  General test methods for paints and varnishes | CHD 20 | ISO/DIS 6270-2 (Ed 3) | Paints and varnishes — Determination of resistance to humidity — Part 2: Condensation (in-cabinet exposure with heated water reservoir) |
| 5 | IULTCS  International Union of Leather Technologists and Chemists Societies | CHD 17 | ISO/DIS 7979 | Leather – Tests for colour fastness – Colour fastness to hydroalcoholic mixtures |
| 6 | ISO/TC 35/SC 12  Preparation of steel substrates before application of paints and related products | CHD 20 | ISO/DIS 8501-3 | Preparation of steel substrates before application of paints and related products — Visual assessment of surface cleanliness — Part 3: Preparation grades of welds, edges and other areas with surface imperfections |
| 7 | ISO/TC 6  Paper, board and pulps | CHD 15 | ISO/DIS 11093-2 (Ed 2) | Paper and board — Testing of cores — Part 2: Conditioning of test samples |
| 8 | ISO/TC 35/SC 12  Preparation of steel substrates before application of paints and related products | CHD 20 | ISO/DIS 11124-6 | Preparation of steel substrates before application of paints and related products — Specifications for metallic blast-cleaning abrasives — Part 6: Stainless steel (shot and irregulars) |
| 9 | ISO/TC 35/SC 12  Preparation of steel substrates before application of paints and related products | CHD 20 | ISO/DIS 11124-7 | Preparation of steel substrates before application of paints and related products — Specifications for metallic blast-cleaning abrasives — Part 7: High chromium white cast iron grit |
| 10 | ISO/TC 147/SC 2  Physical, chemical and biochemical methods | CHD 36 | ISO/DIS 11352 (Ed 2) | Water quality — Estimation of measurement uncertainty based on validation and quality control data |
| 11 | ISO/TC 146/SC 1  Stationary source emissions | CHD 35 | ISO 13271:2012/DAmd 1 | Stationary source emissions — Determination of PM10/PM2,5 mass concentration in flue gas — Measurement at higher concentrations by use of virtual impactors — Amendment 1 |
| 12 | ISO/TC 275  Sludge recovery, recycling, treatment and disposal | CHD 33 | ISO/DIS 13610 | Sludge recovery, recycling, treatment and disposal — Determination of calorific value of sludge |
| 13 | ISO/TC 209  Cleanrooms and associated controlled environments | CHD 35 | ISO/DIS 14644-5 (Ed 2) | Cleanrooms and associated controlled environments — Part 5: Operations |
| 14 | ISO/TC 85/SC 2  Radiological protection | CHD 30 | ISO/DIS 15382 (Ed 3) | Radiological protection — Procedures for monitoring the dose to the lens of the eye, the skin and the extremities |
| 15 | ISO/TC 147/SC 2  Physical, chemical and biochemical methods | CHD 36 | ISO/DIS 16094-3 | Water quality — Analysis of microplastic in water — Part 3: Thermo-analytical methods for waters with low content of suspended solids including drinking water |
| 16 | ISO/TC 94/SC 15  Respiratory protective devices | CHD 08 | ISO 16900-6:2021/DAmd 1 (Ed 2) | Respiratory protective devices — Methods of test and test equipment — Part 6: Mechanical resistance/strength of components and connections — Amendment 1 |
| 17 | IULTCS  International Union of Leather Technologists and Chemists Societies | CHD 17 | ISO/DIS 17236 (Ed 3) | Leather — Physical and mechanical tests — Determination of extension set |
| 18 | ISO/TC 147/SC 5  Biological methods | CHD 36 | ISO/DIS 17244 (Ed 2) | Water quality — Determination of the toxicity of water samples on the embryo-larval development of Japanese oyster (Magallana gigas) and mussel (Mytilus edulis or M. galloprovincialis) |
| 19 | ISO/TC 94/SC 3  Foot Protection | CHD 19 | ISO/DIS 17249 (Ed 3) | Safety footwear for users of handheld chain saws |
| 20 | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/DIS 17590 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Methods of tests for reinforcements — Determination of the tensile properties of ceramic filaments at elevated temperature in air using the hot grip technique |
| 21 | ISO/TC 147/SC 5  Biological methods | CHD 36 | ISO/DIS 17805 | Water quality — Sampling, capture and preservation of environmental DNA from water |
| 22 | ISO/TC 147/SC 2  Physical, chemical and biochemical methods | CHD 36 | ISO/DIS 18127 | Water quality — Determination of adsorbable organically bound fluorine, chlorine, bromine and iodine (AOF, AOCl, AOBr, AOI) — Method using combustion and subsequent ion chromatographic measurement |
| 23 | ISO/TC 85/SC 2  Radiological Protection | CHD 30 | ISO/DIS 18518 | Magnetic fusion facilities — Requirements for the safety systems raised by the application of the superconducting technology |
| 24 | ISO/TC 94/SC 6  Eye and eye protection | CHD 08 | ISO 18527-3:2020/DAmd 1 | Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming — Amendment 1 |
| 25 | ISO/TC 163/SC 3  Thermal insulation products, components and systems | CHD 27 | ISO/DIS 18959 | Thermal insulation products — Rigid nano-microporous insulation for industrial applications — Specification |
| 26 | ISO/TC 282/SC 2  Water reuse in urban areas | CHD 32 | ISO/DIS 18997 | Water reuse in urban areas — Guidelines for the urban reclaimed water for landscaping uses |
| 27 | ISO/TC 85/SC 2  Radiological Protection | CHD 30 | ISO/DIS 19361 (Ed 2) | Measurement of radioactivity — Determination of beta emitters activities — Test method using liquid scintillation counting |
| 28 | ISO/TC 35/SC 9  General test methods for paints and varnishes | CHD 20 | ISO/DIS 19396-1 (Ed 2) | Paints and varnishes — Determination of pH value — Part 1: pH electrodes with glass membrane |
| 29 | ISO/TC 35/SC 9  General test methods for paints and varnishes | CHD 20 | ISO/DIS 19396-2 (Ed 2) | Paints and varnishes — Determination of pH value — Part 2: pH electrodes with ISFET technology |
| 30 | ISO/TC 197  Hydrogen technologies | CHD 06 | ISO/DIS 19880-5 (Ed 2) | Gaseous hydrogen — Fuelling stations — Part 5: Dispenser hoses and hose assemblies |
| 31 | ISO/TC 163/SC 3  Thermal insulation products, components and systems | CHD 27 | ISO/DIS 20812 | Thermal insulation products for buildings — Cellular glass products — Specification |
| 32 | ISO/TC 275  Sludge recovery, recycling, treatment and disposal | CHD 32 | ISO/DIS 23882 | Sludge recovery, recycling, treatment and disposal — Beneficial use of biosolids land application — Guidelines for risk communication and management of public perception |
| 33 | ISO/TC 85/SC 2  Radiological Protection | CHD 30 | ISO/DIS 24427 | Radiological protection — Medical proton accelerators — Requirements and recommendations for shielding design and evaluation |
| 34 | IULTCS  International Union of Leather Technologists and Chemists Societies | CHD 17 | ISO/DIS 25089 | Leather — Tests for colour fastness — Colour fastness to sea water |
| 35 | ISO/TC 146/SC 2  Workplace atmospheres | CHD 35 | ISO/DIS 30011 (Ed 2) | Workplace air — Determination of metals and metalloids in airborne particulate matter by inductively coupled plasma mass spectrometry |

**ANNEX VII**

**(ITEM 11.9)**

**NP BALLOTS**

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| **Sl No.** | **Committee / Working Group** |  | **Reference** | **Title** |
| 1 | ISO/TC 207/SC 5  Life cycle assessment | CHD 34 | ISO/NP 14077 | Environmental management — Life cycle assessment — Requirements and guidelines for application of Chain of Custody (CoC) approaches in Life Cycle Assessment (LCA) |
| 2 | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/NP 18061-2 | Fine Ceramics (Advanced Ceramics, Advanced Technical Ceramics) — Determination of antiviral activity of semiconducting photocatalytic materials — — Part 2: Part 2: Test method using influenza virus and feline calicivirus. |
| 3 | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/NP 18071-2 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Determination of antiviral activity of semiconducting photocatalytic materials under indoor lighting environment — — Part 2: Part 2: Test method using influenza virus and feline calicivirus. |
| 4 | ISO/TC 94/SC 6  Eye and eye face protection | CHD 08 | ISO/NP 18527-4 | Eye and face protection for sports use — Part 4: Requirements for motorcycle and moped riders (plus motorized scooters and ATV/quad bike/motocross) |
| 5 | ISO/TC 94/SC 6  Eye and eye face protection | CHD 08 | ISO/NP 18527-5 | Eye and face protection for sports use — Part 5: Requirements for snowmobile user goggles |
| 6 | ISO/TC 42  Photography | CHD 05 | ISO/NP 18844-2 (Ed 2) | Digital imaging — Image flare measurement — Part 2: Angle dependent image flare |
| 7 | ISO/TC 264  Fireworks | CHD 26 | ISO/NP 22863-17 | Fireworks — Test methods for determination of specific chemical substances — Part 17: Determination of potassium chlorate by ion chromatography |
| 8 | ISO/TC 264  Fireworks | CHD 26 | ISO/NP 22863-18 | Fireworks — Test methods for determination of specific chemical substances — Part 18: Determination of sodium bicarbonate by potentiometric titration |
| 9 | ISO/TC 37  Language and Terminology | Nomination not required | ISO/NP 24495-4 | Plain language — Part 4: Requirements for implementing plain language principles |
| 10 | ISO/TC 47  Chemistry | CHD 01 | ISO/NP 25095-2 | Test methods of propylene oxide for industrial use — Part 2: Determination of aldehydes--Liquid chromatography |
| 11 | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/NP 25311 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for small punch creep of porous ceramics-metal composites |
| 12 | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/NP 25328 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Methods of tests for reinforcements — Determination of ceramic fibre density |
| 13 | ISO/TC 163/SC 3  Thermal insulation products, components and systems | CHD 27 | ISO/NP 25329 | Thermal insulation products — Polyester fibre mat and board — Specification |
| 14 | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/NP 25344 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Methods for chemical analysis of metal impurities in silicon dioxide powders using inductively coupled plasma-mass spectrometery |
| 15 | ISO/TC 107  Metallic and other inorganic coatings | Nomination not required | ISO/NP 25395 | High Velocity Oxygen Fuel (HVOF) cermet coatings for battery pole piece rollers — Guidance with requirements |
| 16 | ISO/TC 85/SC 2  Radiological protection | CHD 30 | ISO/NP 25409 | Radiological protection — Radioactivity measurements — Methodology for the evaluation of the personal radon exposure |
| 17 | ISO/TC 282  Water Reuse | CHD 33 | ISO/NP 25413 | Purified water (PW) and water for injection (WFI) storage and distribution systems |
| 18 | ISO/TC 147/SC 4  Microbiological methods | Nomination not required | ISO/NP 7014 | Water quality — General requirements for the determination of SARS-CoV-2 and its variants in wastewate |
| 19 | ISO/TC 163/SC 1  Test and measurement methods | CHD 27 | ISO/NP 9900 | Thermal insulation — Determination of thermal conductivity by Guarded Hot Plate Method at elevated temperature from 100 °C to 800 °C |
| 20 | ISO/TC 85/SC 2  Radiological protection | CHD 30 | ISO/PWI 22761 - Assessment external exposures to individu... | Radiological protection — Assessment of external exposures to individuals in case of radiological or nuclear emergencies |
| 21 | ISO/TC 201  Surface chemical analysis | ‘O’ Member | ISO/PWI 23760.2.2 | Surface chemical analysis — Specimen taking, storage, and transport of biological specimens |
| 22 | ISO/TC 256  Pigments, dyestuffs and extenders | CHD 20 | ISO/TC 256 | Paints and varnishes — Coating systems for wind-turbine rotor blades — Part 7: Determination and evaluation of resistance to hail |
| 23 | ISO/TC 256  Pigments, dyestuffs and extenders | CHD 20 | ISO/TC 256 | Paints and varnishes — Coating systems for wind-turbine rotor blades — Part 7: Determination and evaluation of resistance to hail |

**ANNEX VIII**

**(ITEM 11.9)**

**CD BALLOTS**

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| **SL.NO.** | **Committee / Working Group** | **National Mirror Committee** | **Reference** | **Title** |
|  | ISO/TC 42  Photography | CHD 05 | ISO/CD 1008 | Photography — Paper dimensions — Pictorial sheets |
|  | ISO/TC 256  Pigments, dyestuffs and extenders | CHD 20 | ISO/CD 10820 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Ultraviolet irradiation equipment using UV-A LEDs and optical radiometry for performance test of semiconducting photocatalytic materials |
|  | ISO/TC 35/SC 12  Preparation of steel substrates before application of paints and related products | CHD 20 | ISO/CD 11126-10 | Preparation of steel substrates before application of paints and related products — Specifications for non-metallic blast-cleaning abrasives — Part 10: Almandite garnet |
|  | ISO/TC 146/SC 2  Workplace atmosphere | CHD 35 | ISO/CD 13977-1 | Workplace atmospheres – Assessment of dermal exposure — Part 1: Framework for Dermal exposure assessment |
|  | ISO/TC 207/SC 3  Environmental labelling | CHD 34 | ISO/CD 14021 | Environmental statements and programmes for products — Self-declared claims |
|  | ISO/TC 207/SC 3  Environmental labelling | CHD 34 | ISO/CD 14024 | Environmental statements and programmes for products — Ecolabels |
|  | ISO/TC 207/SC 3  Environmental labelling | CHD 34 | ISO/CD 14025 | Environmental statement and programmes for products — Environmental product declarations |
|  | ISO/TC 207/SC 7  Greenhouse gas and climate change management and related activities | CHD 34 | ISO/CD 14064-5 | Greenhouse gas management — Part 5: Guidelines for the use of remote methods in conducting verification and validation greenhouse gas statements |
|  | ISO/TC 207/SC 7  Greenhouse gas and climate change management and related activities | CHD 34 | ISO/CD 14092 | Adaptation to climate change — Requirements and guidance on adaptation planning for local governments and communities |
|  | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/CD 17138 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Mechanical properties of ceramic composites at room temperature — Determination of flexural strength |
|  | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/CD 17168-1 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for air-purification performance of semiconducting photocatalytic materials under indoor lighting environment — Part 1: Removal of nitric oxide |
|  | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/CD 17168-2 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for air-purification performance of semiconducting photocatalytic materials under indoor lighting environment — Part 2: Removal of acetaldehyde |
|  | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/CD 17168-3 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for air-purification performance of semiconducting photocatalytic materials under indoor lighting environment — Part 3: Removal of toluene |
|  | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/CD 17168-4 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for air-purification performance of semiconducting photocatalytic materials under indoor lighting environment — Part 4: Removal of formaldehyde |
|  | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/CD 17168-5 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for air-purification performance of semiconducting photocatalytic materials under indoor lighting environment — Part 5: Removal of methyl mercaptan |
|  | ISO/TC 85/SC 6  Reactor technology | CHD 30 | ISO/CD 17838-1 | Design and performance evaluation of emergency core cooling system strainer for pressurized water reactor nuclear power plants — Part 1: General principles |
|  | ISO/TC 85/SC 6  Reactor technology | CHD 30 | ISO/CD 18075 | Steady-state neutronics methods for power-reactor analysis |
|  | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/CD 18719 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Methods for chemical analysis of impurities in yttrium oxide powders using inductively coupled plasma-optical emission spectrometry |
|  | ISO/TC 37  Language and Terminology | Nomination not required | ISO/CD 18968 | Translation-oriented writing — Text production and text evaluation |
|  | ISO/TC 282/SC 2  Water reuse in urban areas | CHD 32 | ISO/CD 18998.2 | Water reuse in urban areas — Guidelines for decentralized/onsite water reuse system - Management of a decentralized/onsite system |
|  | ISO/TC 206  Fine Ceramics | CHD 09 | ISO/CD 19634 | Fine ceramics (advanced ceramics, advanced technical ceramics) — Ceramic composites — Notations and symbols |
|  | ISO/TC 37  Language and Terminology | Nomination not required | ISO/CD 24495-3 | Plain language — Part 3: Science writing |
|  | SO/TC 147/SC 6  Sampling (General methods) | CHD 36 | ISO/CD 5667-15 | Water quality — Sampling — Part 15: Preservation and handling of samples of sludge, sediment and suspended matter |
|  | ISO/TC 42  Photography | CHD 05 | ISO/CD PAS 18940-1.2  Actions on this ballot | Imaging materials — Image permanence specification of reflection photographic prints for indoor applications — Part 1: Test methods |
|  | ISO/TC 42  Photography | CHD 05 | ISO/CD PAS 18940-2 | Imaging materials — Image permanence specification of reflection photographic prints— — Part 2: Part 2: Evaluation point |
|  | ISO/TC 147/SC 5  Biological Method | CHD 36 | ISO/CD TS 21738 | Water quality — Active biomonitoring method with in-situ caged benthic amphipods |