



भारतीय मानक ब्यूरो | BUREAU OF INDIAN STANDARDS

Meeting	Date & Time	Venue
11 th Meeting of Safety of Machinery Sectional Committee, MED 40	23 September 2024 (Monday) at 11:00 h	Virtual (BIS Webex Platform)
Meeting Link: https://bismanak.webex.com/bismanak/j.php?MTID=m12a0e4449bcceda0ab89b7e3e2ae59a7 Meeting No. : 2510 509 1445 Meeting Password : MED@123		
Chairperson: Shri Vikas Dogra, Director, Ministry of Heavy Industries and Public Enterprises, Department of Heavy Industry, New Delhi		
Member Secretary: Ms Ankita Vidhyarthi, Scientist 'D'/Joint Director, Mechanical Engineering Department, Bureau of Indian Standards, New Delhi		

ITEM 0 OPENING REMARKS BY CHAIRPERSON/CONVENER

0.1 Welcome & Opening remarks by Head, Mechanical Engineering Department.

0.2 Welcome & Opening remarks by Mr Vikas Dogra, Director, Department of Heavy Industries, Ministry of Heavy Industries and Public Enterprises, New Delhi.

ITEM 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

1.1 Minutes of the 10th meeting of Safety of Machinery Sectional Committee, MED 40 held on 29 May 2024 through WebEx platform were circulated vide BIS letter No. MED 40/A-2.10 dated 05 July 2024. No Comments have been received.

The Committee may CONFIRM the minutes.

ITEM 2 SCOPE, COMPOSITION AND PROGRAMME OF WORK OF THE COMMITTEE

2.1 Scope

Standardisation of safety of machines in airborne hazardous substances, fire, access to machinery, safe control systems, design and construction, risk reduction.

The Committee may PROPOSE any addition/deletion/modification required in the scope.

2.2 Composition of Committee

2.2.1 The following directions have been received from the Competent Authority of the Bureau for reviewing the composition of the Sectional Committee:

- Associations of Micro and Small Industries are to be co-opted.
- New members are to be co-opted who are expected to contribute to emerging new technology.

- c) Efforts should be made to include representatives of different product segments as per the scope of the Committee.
- d) Major Government purchasing organisations like DGS&D, RDSO, CPWD, Defence etc. are to be given representation in the Committees wherever applicable.
- e) Members who have not attended two consecutive meetings may be considered for removal
- f) Examine the justification and need for continuation of a member in an individual capacity who is continuing for more than six years in a sectional committee.

The committee may NOTE.

2.2.2 As per directive of the Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India, which is the Controlling Ministry of the Bureau that the composition of Sectional Committees be reviewed to replace the persons who are continuing for longer periods, to co-opt the members/organisations which are capable of contributing in emerging new technologies and new areas of work and strength of the manufacturers should be restricted to 1/3 of the total strength of the Technical Committees

2.2.3 The present composition of the Safety of Machinery Sectional Committee, MED 40 is given in **Annex-A**. The list also shows the attendance of the members in the last three consecutive meetings.

2.3 Co-options and the Revised Nominations



2.3.1 Co-options/revised nominations recommended during previous Meetings-

Sl No	Organisation/Individual	Committee Decision	Action Taken	Status
1	CLW, ICF RCF and MCF	Mr Vijay Kumar Goel, Research Designs and Standards Organization (RDSO), Lucknow suggested that representation from Production Units of Railways including MCF and ICF will be more appropriate as they are using various types of machines and can give inputs regarding requirements of safety of machines. Consequently, Mr Vijay Kumar	<p>a) Chittaranjan Locomotive Works (CLW) nominations was received on dated 17 Apr 2024.</p> <p>b) Email sent to ICF on 2 feb 2024 and 22 May 2024. Final Reminder sent on dated 05 Jul 2024.</p> <p><i>Response awaited.</i> Email_ICF_22 MAY 2024.pdf ■ EMAIL_REMINDER_M...</p> <p>c) Email sent to RCF on on 2 feb 2024 and 22 May 2024. Final Reminder sent on dated 05 Jul 2024.</p> <p><i>Response awaited.</i> Email_RCF_22 MAY 2024.pdf ■ EMAIL_REMINDER_M...</p> <p>d) Email sent to MCF on on 22 May 2024. Final Reminder sent on dated 05 Jul 2024.</p>	<p><i>No response has been received from ICF, RCF and MCF.</i></p> <p><i>As per the committee decision in the 10th meeting, the names of these organisations have been dropped from consideration in the committee.</i></p> <p><i>The committee may NOTE.</i></p>

Sl No	Organisation/Individual	Committee Decision	Action Taken	Status
		Goel provided contact details of the relevant departments and officials.	<i>Response awaited.</i> Email_MCF_22_MAY_2024.pdf EMAIL_REMINDER_M...	
2	M/s International Centre for Automotive Technology (iCAT)	In accordance with the directions from the Chairperson, the Committee decided on the co-option of iCAT.	Regarding Co-option, Nomination proforma sent vide Email dated 24 July 2023 and 22 May 2024. Final Reminder sent on dated 05 Jul 2024. <i>Response awaited.</i> Email_ICAT_22_MAY_2024.pdf EMAIL_REMINDER_IC...	<i>No response has been received from iCAT.</i> <i>As per the committee decision in the 10th meeting, the name of this organisation has been dropped from consideration in the committee.</i> <i>The committee may NOTE.</i>

2.3.2 New Co-option requests received

Sl No.	Organisation Name	Members	Other Information	Remark
1.	Gudel India Pvt Ltd, Pune	<p>Name: Neeta Bodas Designation: Director Engineering Mob: 9552579968 Email: neeta.bodas@in.gudel.com</p> <p>Name: Shri Sunil Inamdar Designation: General Manager – Design & Development Mob: 9850827004 Email: sunil.inamdar@in.gudel.com</p>	<p>The Interest from the Organisation to join MED 40 was received during the Seminar on Machine Safety in September 2023.</p> <p>Committee decided to co-opt the organisation.</p> <p>Reminder for nomination was sent on 05 Jul 2024. EMAIL_REMINDE...</p> <p><i>No reply received.</i></p>	<i>The Committee may CONSIDER and DECIDE .</i>
2.	URS Verification Pvt. Ltd and Trio Technologies	<p>Name: Mr Mahesh Dave Designation: Associate Director – Products, Strategy & Global Regulatory Affairs Email: maheshkumardave@gmail.com Phone- 9810330717</p>	<p>Co-option request received on 10 Aug 2022. CV is enclosed.</p> <p>MED 40 CV Mahesh Dave.pdf</p> <p>Committee decided to co-opt the individual.</p> <p>Reminder for nomination were sent on 05 Jul 2024. EMAIL_REMIND...</p>	<i>The Committee may CONSIDER and DECIDE . Committee may CONSIDER and DECIDE .</i>

			<i>No reply has been received.</i>	
3.	In Personal Capacity	<p>Name: Mr Amol Sangekar Designation: Human Factors and Ergonomics Consultant Email: asangekar73@gmail.com ergonomics@indiaergo.com</p>	<p>Co-option request received on 30 September 2022. CV is enclosed.</p> <p>MED 40 CV Dr. Amol Sangekar.pdf</p> <p>Committee decided to co-opt the individual.</p> <p>Reminder for nomination was sent on 05 Jul 2024. </p> <p>No reply has been received.</p>	
4.	Shell India Markets Private Limited, Mumbai	<p>Name: Mr Arulmani Arunachalam Designation: Senior Marine Engineer Email: A.Arunachalam@shell.com</p>	<p>Co-option request received on 30 December 2022. CV is enclosed.</p> <p>MED 40 CV Arulmani Arunachalam.pdf</p> <p><i>Committee could not come to a consensus in the meeting and decided to hold the decision till the next meeting.</i></p>	<i>The Committee may CONSIDER and DECIDE .</i>
5.	In Personal Capacity	<p>Name: Mr Sanjay Bhure Designation: Senior Marine Engineer Email: bhuresanjay@gmail.com</p>	<p>Co-option request received on 30 May 2023. CV is enclosed.</p> <p>MED40-SANJAY BHURE.pdf</p> <p><i>Committee could not come to a consensus in the meeting and decided to hold the decision till the next meeting.</i></p>	<i>Committee may CONSIDER and DECIDE.</i>
6.	Skylark India Elevator Company	<p>Name: Mr. Subodh mehrra Designation: Director Email: siecol@hotmail.com</p>	<p>Co-option request received on 25 December 2023. CV is not enclosed.</p> <p>Reminder for CV was sent on 17 Sep 2024. </p> <p><i>Reply awaited.</i></p>	<i>The Committee may NOTE</i>

2.4 Programme of Work

The present programme of work of the Safety of Machinery Sectional Committee, MED 40 is attached below. (No. of Published Standards is 34)

 POW_MED 40_SEP 2024.pdf

The committee may NOTE.

2.4.1 Standards under Certification

As on date, none of the product standards have operating conformity assessment licences against them.

The committee may NOTE.

ITEM 3 DRAFT STANDARDS/AMENDMENTS UNDER DEVELOPMENT

S.No	Document Number	Document Title	Doc. Type	Document Stage
1	MED/40/24378 (Identical To: ISO/TR 24119:2015)	Safety of machinery - Evaluation of fault masking serial connection of interlocking devices associated with guards with potential free contacts	New	Under Publication
2	MED/40/24382 (Identical To: ISO/TR 22053:2021)	Safety of machinery Safeguarding supportive system	New	WC draft Pending for approval from MEDC.
3	MED/40/24376 (Identical To: ISO 11161:2007)	Safety of machinery Integrated manufacturing systems Basic requirements	New	Under Publication
4	MED/40/24388 (Identical To: ISO/TR 22100-5:2021)	Safety of machinery Relationship with ISO 12100 Part 5: Implications of artificial intelligence machine learning	New	WC draft Pending for approval from MEDC.
5	MED/40/24379 (Identical To: ISO/TS 19837:2018)	Safety of machinery Trapped key interlocking devices Principles for design and selection	New	Ready for gazette
6	MED/40/24373 IS/ISO/TR 22100 : Part 3: 2013	Safety of machinery Relationship with ISO 12100 Part 3: Implementation of	Revis ion	WC-Draft floated on 31-07-2024. No comments received yet.

	(Identical To: ISO/TR 22100-3 : 2016)	ergonomic principles in safety standards		
7	MED/40/24384 (Identical To: ISO/TR 22100-1:2021)	Safety of machinery Relationship with ISO 12100 Part 1: How ISO 12100 relates to type-B and type-C standards	New	WC draft Pending for approval from MEDC.
8	MED/40/24377 (Identical To: ISO/TR 14121-2:2012)	Safety of machinery Risk assessment Part 2: Practical guidance and examples of methods	New	Ready for gazette
9	MED/40/24381 (Identical To: ISO 20607:2019)	Safety of machinery Instruction handbook General drafting principles	New	WC draft Pending for approval from MEDC.
10	MED/40/24375 (Identical To: ISO Guide 78:2012)	Safety of machinery Rules for drafting and presentation of safety standards	New	Under Publication
11	MED/40/24386 (Identical To: ISO/TR 22100-4:2018)	Safety of machinery Relationship with ISO 12100 Part 4: Guidance to machinery manufacturers for consideration of related IT-security cyber security aspects	New	WC draft Pending for approval from MEDC.

The committee may NOTE.

ITEM 4 Standards due for Review 2024 - 2025

SI No.	IS No	Title	Status
1	IS 16817 : 2020/ ISO 13851:2019	Safety of Machinery — Two-Hand Control Devices — Principles for Design and Selection (First Revision)	<i>Reviewed</i>
2	IS 16807 : 2020/ ISO 19353 : 2019	Safety of Machinery — Fire Prevention and Fire Protection (First Revision)	<i>Reviewed</i>

The committee may NOTE.

ITEM 5 INTERNATIONAL ACTIVITIES

India has membership on ISO committees as listed below, related to MED 40 . Being a P-member, it is obligatory for India to vote on all the documents. The documents received from time to time are being sent to committee members for comments and voting is done accordingly.

Standards published by ISO Committee

44 Total ISO Standards	32 Latest version of ISO adopted	1 Older version of ISO adopted
11 ISO standards not adopted	0 Indigenously developed Standards	0 Amendment issued by ISO, not adopted

5.1 The list of active various working group working under ISO/TC 199 in liaison with MED 40 Sectional Committee is as under-

SI No.	ISO/TC	Title
1)	ISO/TC 199	Safety of machinery - Participating (P)
2)	ISO/TC 199/WG 10	Fire prevention and protection
3)	ISO/TC 199/WG 11	Permanent means of access to machinery
4)	ISO/TC 199/WG 12	Human-machine-interactions
5)	ISO/TC 199/WG 3	Safety of integrated manufacturing system
6)	ISO/TC 199/WG 5	General principles for the design of machinery and risk assessment
7)	ISO/TC 199/WG 6	Safety distances and ergonomic aspects
8)	ISO/TC 199/WG 7	Interlocking devices
9)	ISO/TC 199/WG 8	Safe Control Systems

<https://www.iso.org/committee/54604.html>

The Committee may NOTE.

5.2 Working Groups under ISO/TC 199 and members nominated from India

The Committee had decided to formulate internal Working Groups under MED 40 corresponding to ISO Working Groups with the objective to have a discussion group for deliberating on ISO draft standards and ballots. The members mentioned below expressed their interest to be part of the Working Groups. Nominations of the Working Groups are open and as decided in the committee , internal Working Groups structure are being circulated to all committee members to suggest more names for inclusion in the Working Groups.

- a) Mr. Vinay Bansod , Windsor Machines ltd , in previous meeting had requested to add Mr. Amit Patel from Windsor and Mr. Pradip Vanwani from Milacron ultimately represented PMMAI to be added in WG/5. Due to absence of representatives of PMMAI in the meeting , the committee decided to hold the decision.

The committee may CONSIDER the composition of Working groups and DECIDE.

Sl No.	WG	Project Number	Project Title	Participation by	Internal Working Group
1.	WG 3	ISO/DIS 11161 :2023	Integration of machinery into systems	a) Shri N. Madhan , IMTMA b) Shri V. Ravindranath, M/s ITC c) Mr DB Naik, Directorate General of Mines Safety	a) Shri N. Madhan , IMTMA b) Shri V. Ravindranath , M/s ITC c) Mr Atul Bhargav , IIT Gandhinagar d) Mr DB Naik, Directorate General of Mines Safety
2.	WG 5	ISO 12100/PW 1 Amd I	General principles for design — RA & RR	a) Shri Vinay Girdhar Bansod , M/s PMMAI b) Mr Girish Alawe, M/s Schmersal volunteered c) Mr D. B. Naik, Directorate General of Mines Safety d) Mr Siddhesh Dalal, Maccsafe e) Mr Sathiya Mohan. S, Ross Controls	a) Shri Vinay Girdhar Bansod , M/s PMMAI b) Mr V. Ravindranath , M/s ITC Limited, Kolkata c) Mr D. B. Naik, Directorate General of Mines Safety d) Mr Siddhesh Dalal, Maccsafe e) Mr Sathiya Mohan. S, Ross Controls
3.	WG 6	ISO/FDIS 13855:2010	Positioning of safeguards	a) Shri Girish Alawe , M/s Schmersal India Pvt Ltd b) Mr D. B. Naik, Directorate General of Mines Safety	a) Shri Girish Alawe , M/s Schmersal India Pvt Ltd. b) Mr Mudit Maheshwari, M/s ITC c) Mr D. B. Naik, Directorate General of Mines Safety
4.	WG 6	ISO/CD 12895:2023	Whole body access	a) Shri Girish Alawe , M/s Schmersal India Pvt Ltd b) Mr D. B. Naik, Directorate General of Mines Safety	a) Shri Girish Alawe , M/s Schmersal India Pvt Ltd. b) Mr Mudit Maheshwari, M/s ITC Ltd.

					c)Mr DB Naik, Directorate General of Mines Safety
5.	WG 7	ISO/FDIS 14119:202 3	Interlocking devices associated with guards	a) Shri Girish Alawe , M/s Schmersal India Pvt Ltd b) Shri Samir Kanchan, M/s Macsafe c) Mr D. B. Naik, Directorate General of Mines Safety	a) Shri Girish Alawe , M/s Schmersal India Pvt Ltd b) Shri Samir Kanchan , M/s Macsafe c) Mr D. B. Naik, Directorate General of Mines Safety
6.	WG 8	ISO/TR 13849-3	Markov-Model ling	a) Shri Girish Alawe , M/s Schmersal India Pvt Ltd. b) Shri Siddesh Dalal, M/s Macsafe	a) Shri Girish Alawe , M/s Schmersal India Pvt Ltd. b) Shri Siddesh Dalal, M/s Macsafe
7.	WG 10	-	Fire protection and prevention	a) Shri V. Ravindranath, M/s ITC. b) Shri Atul Bhargav, Indian Institute of Technology	a)Shri V. Ravindranath, M/s ITC b)Shri Atul Bhargav, Indian Institute of Technology Gandhinagar
8.	WG 11	ISO 14122 series	Permanent means of access to machinery	a) Shri Girish Alawe , M/s Schmersal India Pvt Ltd b) Mr Mohan Babu , Joint Chief, Directorate of Factories, Telangana State, Hyderabad.	a) Shri Girish Alawe , M/s Schmersal India Pvt Ltd. b) Mr Mohan Babu , Directorate of Factories, Telangana State, Hyderabad.
9.	WG 12	ISO/CD TR 21260	Mechanical safety data for phys. contacts mov. machinery/ people	a) Shri Girish Alawe , M/s Schmersal India Pvt Ltd M/s BEML Limited volunteered to nominate an expert on this working group during the 9th meeting.	a) Shri Girish Alawe , M/s Schmersal India Pvt Ltd M/s BEML Limited volunteered to nominate an expert on this working group during the 9th meeting.

10.	ISO/JWG between TC 199 and TC 326	ISO 14159	Safety of machinery — Hygiene requirements for the design of machinery	a) Shri Atul Bhargav, Indian Institute of Technology b) Mr Anant Maheshwari - Hygiene, Limited. ITC	b) Shri Atul Bhargav, Indian Institute of Technology b) Mr Anant Maheshwari - Hygiene, ITC Limited c) Mr Samir Kanchan, M/s Macsafe.
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ITEM 6 NEW SUBJECTS

As per the latest policy and guidelines, before any new subject is taken up for formulation of National Standard the following issues are to be examined by BIS.

- a) Whether the subject is financed by the proposer;
- b) Sale ability of the standard;
- c) Standards shall be user friendly; and
- d) Social needs with regards to safety, health and environment.

Only after assessing the above aspects, will it be possible for BIS to consider the formulation of the Indian standard. The proposal should essentially be taken in the prescribed Performa, as a preliminary work item as given in **Annex B**. When members propose in the Technical Committee (TC) meeting, they have to fill-in the Performa beforehand which is then considered by the TC.

[ANNEX B.pdf](#)

The Committee may NOTE and suggest new subjects for standards formulation.

ITEM 7 DATE AND PLACE OF NEXT MEETINGS

Proposed meeting Calendar for FY 2024-25 is as follows-

	Q1 2024-25	Q2 2024-25	Q3 2024-25	Q4 2024-25
	May	September	November	February
MED 40	May 29 , 2024 Wednesday	September 23, 2024 Monday	November 22 , 2024 Friday	February 21 , 2025 Friday

ITEM 8 ANY OTHER BUSINESS

Annex-A
(Item 2.2.2)

Meeting No.	Date	Place
10 th	29 May 2024	Webex Online
9 th	06 Nov 2023	Webex Online
8 th	05 Oct 2023	Webex Online

Sl No.	Organisation	Member Details	8 th	9 th	10 th	Total
1.	Ministry of Heavy Industries and Public Enterprises, MHI, New Delhi	Shri Vikas Dogra (<i>Chairperson</i>)	N	N	Y	1/3
2.	Advanced Machine Tool Testing Facility, Bengaluru	Shri. Haris Kumar V .	Y	Y	N	2/3
3.	Agriculture Machinery Manufacturers Association, Pune	Shri Rajkumar Arumugam Shri Kunwar Sahib Singh (<i>Alt</i>)	Y	Y	Y	3/3
4.	Association of Indian Forging Industry, Pune	Shri S. Murlishankar Shri R. Sivaprasad Reddy (<i>Alt</i>)	Y	Y	N	2/3
5.	Automotive Research Association of India (ARAI), Pune*	Shri Vyanktesh S. Khairatkar Shri Moqtik A. Bawase (<i>Alt</i>)	NA	NA	NA	NA
6.	BEML Limited, Kolar	Shri Somegowda K. T. Shri Elavarasan A. (<i>Alt</i>) Shri Vijay M. (<i>Alt</i>)	Y	Y	Y	3/3
7.	Bharat Heavy Electrical Limited, New Delhi	Shri E. Thirumavlan Dr Kuruva Gopanna (<i>Alt</i>)	Y	Y	N	2/3
8.	Central Manufacturing Technology Institute (CMTI), Bengaluru*	Shri Gopi Krishna S. Shri Anil Kumar K. (<i>Alt</i>)	NA	NA	NA	NA
9.	Cummins India Limited, Pune*	Shri Riyazahmad Abbasalli Kazi Shri Ravi Sonawala (<i>Alt I</i>) Shri Santoshkumar S. Rajguru (<i>Alt II</i>)	NA	NA	NA	NA
10.	Directorate General Factory Advice Service and Labour Institutes, Mumbai	Shri Rajkrishna M. R. Shri N Varadharajan (<i>Alt</i>)	Y	Y	Y	3/3
11.	Directorate General of Mines Safety, Dhanbad	Shri D. B. Naik Shri Vijay Yadaorao Barapatre (<i>Alt</i>)	Y	Y	N	2/3

12.	Directorate of Factories, Telangana State, Hyderabad	Shri Y. Mohan Babu Shri Kota Sridhar Rao (<i>Alt</i>) Ms. Shrimati K.V. Sreedevi (<i>Alt</i>)	Y	Y	Y	3/3
13.	ITC Limited, Kolkata	Shri V. Ravindranath Shri Mudit Maheshwari (<i>Alt I</i>) Shri Anant Maheshwari (<i>Alt II</i>)	Y	Y	Y	3/3
14.	Indian Institute of Technology Gandhinagar, Gandhinagar	Shri Vinod Narayanan Shri Atul Bhargav (<i>Alt</i>)	Y	Y	N	2/3
15.	Indian Institute of Technology Madras, Chennai	Dr. Somashekhar S. Hiremath Dr. N. Arunachalam (<i>Alt</i>)	Y	Y	N	2/3
16.	Indian Machine Tools Manufacturers Association, Bengaluru	Shri N. Madhan	Y	Y	N	2/3
17.	Indian Printing Packaging and Allied Machinery Manufacturers Association, Noida	Shri Prashant Vats	N	Y	Y	2/3
18.	Macsafe India Solutions Private	Shri Samir Kanchan Shri Siddesh Dalal (<i>Alt</i>)	Y	Y	Y	3/3
19.	National Institute of Technology, Kurukshetra*	Shri Manoj Kumar Gupta	NA	NA	NA	NA
20.	Pilz India Private Limited, Pune*	Shri Abhijit Kulkarni Shri Shailesh Nadnurwar (<i>Alt I</i>) Shri Dhiraj Podutwar (<i>Alt II</i>)	NA	NA	NA	NA
21.	Plastics Machinery Manufacturers Association of India (PMMAI), New Delhi	Shri. Vinay Girdhar Bansod Shri Pradip Vanwani (<i>Alt</i>) Shri Amit Patel (<i>YP</i>)	Y	Y	N	2/3
22.	Prazamana Safetic Limited Liability Partnership, Pune*	Shri Biswa Bhushan Rath Shri Bikram Nag Shri Ankit Kumar	NA	NA	NA	NA
23.	Research Designs and Standards Organization (RDSO), Lucknow	Shri Nitin Mehrotra Shri Vijay Goel (<i>Representative</i>)	Y	Y	Y	3/3
24.	Rockwell Automation India Private Limited, Noida*	Shri Prodip Kumar Sarkar Shri Abhishek Sangavkar (<i>Alt</i>)	NA	NA	NA	NA
25.	Ross Controls India Private Limited	Shri Yashpal Setiya Sh-ri Sathiya Mohan S. (<i>Alt</i>)	Y	Y	Y	3/3

26.	Schmersal India Private Limited, Pune	Shri Girish Alawe Shri Kunal Sharma (<i>Alt</i>) Shri Gaurav Narayan Gore (<i>Alt</i>)	Y	Y	N	2/3
27.	Sick India Private Limited, Mumbai*	Shri Samir Desai Shri Jayesh Jani (<i>Alt</i>)	NA	NA	NA	NA
28.	Troax Safety Systems India Private Limited, Bengaluru	Shri A. S. Vidyasagar Ganesh	Y	Y	N	2/3
29.	V-SAME Engineering and Training Solutions, , Pune*	Shri Shacheendra Bapat	NA	NA	NA	NA
30.	IN PERSONAL CAPACITY*	Shri Dinesh Keshav Saner	NA	NA	NA	NA

* — New Nominations.

NOTE — Attendance of member organisations updated in Standards Portal of BIS. Members are requested to check and revert if their attendance is not showing in their profile in the portal.