

**MEDICAL EQUIPMENT AND HOSPITAL PLANNING DEPARTMENT  
BUREAU OF INDIAN STANDARDS**

**MINUTES**

<b>Meeting</b>	<b>Day &amp; Date</b>	<b>Time</b>
<b>17<sup>th</sup> meeting of Dentistry Sectional Committee, MHD 08</b>	<b>02<sup>nd</sup> August 2024 Friday</b>	<b>02:30 PM</b>

**Chairperson:** Dr. N Gopi Chander, Professor, Department of Prosthodontics, SRM Dental College, Chennai

**Member Secretary:** Ms. Uroosa Warsi, Scientist 'C' / Deputy Director, Medical Equipment and Hospital Planning Department, Bureau of Indian Standards

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The list of attendees is given at [ANNEXURE-A](#).

**ITEM 0      GENERAL**

**0.1      Welcome Address by Member Secretary**

Ms. Uroosa Warsi, Member Secretary, welcomed the members to the 17<sup>th</sup> meeting of the Dentistry Sectional Committee. She highlighted the committee's exceptional performance in the first quarter, noting that it ranked first among the technical committees in the BIS for the number of standards published. She attributed this achievement to the support and hard work of the Chairperson and the members. Attendance was noted to be 100% with all organizations present. The meeting commenced with the introduction of the members.

**0.2      Opening Remarks by Chairperson**

Dr. N Gopi Chander, the Chairperson, extended a warm welcome to the Member Secretary and all the members of the committee. He expressed satisfaction with the committee's performance but emphasized the need for further improvement, particularly for the dental community. He highlighted the importance of accurate and updated standards, especially for enhancing the research work environment. The Chairperson thanked the members for their active participation and mentioned that additional organizations need to be introduced to the committee, with the Member Secretary providing more details later in the meeting. He stressed the importance of productive discussions for the benefit of society. He concluded by extending best wishes to all attendees and invited the Member Secretary to commence the proceedings.

## **ITEM 1 CONFIRMATION OF MINUTES OF THE PREVIOUS MEETING**

1.1 The Committee formally confirmed the minutes of the last meeting of Dentistry Sectional Committee, MHD 08 held on 12<sup>th</sup> April 2024.

## **ITEM 2 SCOPE AND COMPOSITION OF SECTIONAL COMMITTEE**

2.1 The Committee noted the scope of the Committee.

2.2 a) The Committee decided to constitute the following working panels under which there will be a required number of working groups created for the specific tasks/subjects.

<b>Sl. No</b>	<b>Working Panel</b>	<b>Convener</b>
1)	WP 1 Restorative and endodontic materials	Dr. Sanjay Miglani
2)	WP 2 Prosthodontic materials	Dr. Neeta Pasricha
3)	WP 3 Dental Instruments	Dr. Sai Kalyan
4)	WP 4 Additive Manufacturing	Dr. Sai Kalyan
5)	WP 5 Dental Implants	Mr. Lokesh Jadhav
6)	WP 6 Dental CAD/CAM	Dr. Suprabha Rathee
7)	WP 7 Oral Care Products	Dr. Suprabha Rathee
8)	WP 8 Dental Equipment	Dr. G. Vimala Mds
9)	WP 9 Terminology	Dr. Sushmita Saxena

b) The Committee decided to send requests to these organizations for nomination of an alternate member as these organizations are currently represented by only one member (i.e., principal member) in MHD 08

- i) Institute of Dental Studies and Technologies, Modinagar
- ii) Office of Development Commissioner (MSME), New Delhi

2.3 The Committee noted the contents of Item 2.3 of the agenda.

2.4 The Committee decided to send a reminder for Co-opting Indian Academy of Oral Medicine and Radiology.

2.5 The Committee decided to co-opt the following organizations:

- i) Indian Society of Pedodontics and Preventive Dentistry
- ii) Indian Society of Periodontology
- iii) Indian Orthodontic Society
- iv) Indian Society for Dental Research (ISDR)
- v) Prevest DenPro Limited

vi) Association of Dental Industry and Trade of India (ADITI)

### **ITEM 3 DRAFT STANDARDS / AMENDMENTS UNDER PRINT**

3.1 The Committee noted the contents of Item 3.1 of the agenda.

### **ITEM 4 DRAFT STANDARDS / AMENDMENTS FOR FINALIZATION**

4.1 The Committee decided to finalize the following draft Indian Standards for publication.

<b>Sl. No</b>	<b>Document No.</b>	<b>Title</b>
1)	MHD/08/25654	Dentistry Evaluation of Antibacterial Activity of Dental Restorative Materials Luting Materials Fissure Sealants and Orthodontic Bonding or Luting Materials
2)	MHD/08/25655	Dentistry General Requirements of Hand Instruments Part 1 Non-Hinged Hand Instruments
3)	MHD/08/25656	Dentistry Polymer-Based Composite Machinable Blanks
4)	MHD/08/25657	Dentistry Designation System for Tooth Developmental Stages
5)	MHD/08/25658	Dentistry Laboratory Cutters Part 1 Steel Laboratory Cutters
6)	MHD/08/25659	Dentistry Laboratory Cutters Part 2 Carbide laboratory cutters
7)	MHD/08/25660	Dentistry Laboratory Cutters Part 3 Carbide Cutters for Milling Machines
8)	MHD/08/25661	Dental Rotary Instruments Cutters Part 4 Miniature Carbide Laboratory Cutters
9)	MHD/08/25662	Dentistry Extraction Forceps Part 1 General Requirements
10)	MHD/08/25663	Dentistry Extraction Forceps Part 2 Designation
11)	MHD/08/25664	Dentistry Extraction Forceps Part 3 Design
12)	MHD/08/25665	Dentistry Corrosion Test Methods for Metallic Materials
13)	MHD/08/25666	Dentistry Designation System for Supernumerary Teeth
14)	MHD/08/25667	Dentistry Magnetic Attachments
15)	MHD/08/25668	Dentistry Manual Toothbrushes General Requirements and Test Methods
16)	MHD/08/25669	Dentistry Trepine Burs
17)	MHD/08/25670	Dentistry Powder Jet Handpieces and Powders
18)	MHD/08/25671	Dentistry Colour Tabs for Intraoral Tooth Colour Determination
19)	MHD/08/25672	Dentistry Rotational Adaptability Test Between Implant Body and Implant Abutment in Dental Implant Systems
20)	MHD/08/25673	Dentistry Test Methods for Machining Accuracy of Computer-Aided Milling Machines
21)	MHD/08/25674	Dentistry Classification of Tooth Restorations Preparation
22)	MHD/08/25675	Dentistry External Tooth Bleaching Products

## **ITEM 5 DRAFT STANDARDS/AMENDMENTS FOR APPROVAL FOR WIDE CIRCULATION**

5.1 The Committee decided to adopt the following ISO standards to revise the existing older versions. The draft standards will be wide-circulated for a period of one month.

<b>Sl. No.</b>	<b>ISO No.</b>	<b>ISO Title</b>
1)	ISO 7405:2018	Dentistry — Evaluation of biocompatibility of medical devices used in dentistry
2)	ISO 15098:2024	Dentistry — Dental tweezers

5.2 The Committee noted the contents of Item 5.2 of the agenda.

## **ITEM 6 DRAFT UNDER PREPARATION**

6.1 The Committee noted the contents of Item 6.1 of the agenda.

6.2 The Committee noted the contents of Item 6.2 of the agenda.

## **ITEM 7 COMMENTS ON PUBLISHED STANDARDS**

7.1 The Committee noted the contents of Item 7.1 of the agenda.

## **ITEM 8 NEW SUBJECTS**

8.1 The Committee noted the contents of Item 8.1 of the agenda.

8.2 The Committee deliberated and decided the following:

<b>Sl. No.</b>	<b>Name of Equipment</b>	<b>Remarks</b>
1)	Fully Electrically Operated Dental Chair	Issue an amendment to existing standard
2)	Radiovisiography Machine (RVG)	The Committee decided to transfer the subjects to MHD 15
3)	Orthopantomogram Machine (OPG)	
4)	3D Dental Printers	Allotted to Working Panel 4, Additive Manufacturing
5)	Dental Lasers (including soft tissues)	Allotted to Working Panel 8, Dental Equipment
6)	Dental Piezo - Ultrasonic Scaler	
7)	Dental sandblasting Machine	
8)	Orthodontic welder	

9)	Dental Casting Machine	
10)	Dental Lathe	
11)	Dental Ceramic furnace	
12)	Glass Bead Sterilizer	
13)	Piezo surgical unit	
14)	Oscillating saws (with all hand piece)	

## ITEM 9 TECHNICAL ISSUES

9.1 The Committee noted the contents of Item 9.1 of the agenda.

## ITEM 10 INTERNATIONAL ACTIVITIES

10.1 The Committee noted the contents of Item 10.1 of the agenda.

10.2 The Committee noted the contents of Item 10.2 of the agenda.

**10.3** The Committee decided to nominate the following designated experts on the Working Groups of ISO/TC 106 as given below:

Sl. No.	Working groups	Designated Expert	Project Allotted
1)	ISO/TC 106/SC 6/WG 2 Dental patient chair and dental unit	Dr. G. Vimala Mds	ISO/NP 23402-2
		Dr. G. Vimala Mds	ISO/CD 23402-1
2)	ISO/TC 106/SC 4/WG 9 Endodontic instruments	Dr. Sanjay Miglani	ISO/PWI 3630-7
3)	ISO/TC 106/SC 3/WG 2 Dental vocabulary (Revision of ISO 1942 and thematic coding of its terms)	Dr. Sushmita Saxena	ISO 1942:2020/CD Amd 1
4)	ISO/TC 106/SC 7/WG 3 Oral Rinses	Dr. Suprabha Rathee	
5)	ISO/TC 106/SC 7/WG 9 Dentures adhesives	Dr. Suprabha Rathee	

10.4 The Committee decided to adopt the following ISO standard. The draft standards will be wide-circulated for a period of one month.

Sl. No.	ISO No.	ISO Title	Justification
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1)	ISO 20749: 2023	Dentistry — Pre-capsulated dental amalgam	This would address potential risks associated with older formulations and enhance product consistency and reliability in clinical use.
2)	ISO 9693: 2019	Dentistry — Compatibility testing for metal-ceramic and ceramic-ceramic systems	It is crucial as it incorporates the latest research and technological advancements to address potential compatibility issues between metal-ceramic and ceramic-ceramic systems, ensuring improved performance and longevity of dental restorations
3)	ISO 13078-2 : 2016	Dentistry — Dental furnace — Part 2: Test method for evaluation of furnace programme via firing glaze	This would ensure that furnace programs are accurately evaluated through firing glaze tests, which reflects the latest advancements in material properties and firing technology, thereby improving the precision and reliability of dental restorations.
4)	ISO 13078-3 : 2023	Dentistry — Dental furnace — Part 3: Test method for the evaluation of high temperature sintering furnace measurement with a separate thermocouple	Essential to ensure accurate temperature measurement in high-temperature sintering furnaces using a separate thermocouple, which improves the precision of sintering processes and ensures the consistent quality and performance of dental ceramics.
5)	ISO 13078: 2013	Dentistry — Dental furnace — Test method for temperature measurement with separate thermocouple	Important for ensuring precise temperature measurement in dental furnaces using a separate thermocouple, which enhances the accuracy of firing and sintering processes, leading to better consistency and reliability in dental restorations.
6)	ISO 14233: 2003	Dentistry — Polymer-based die materials	The polymer-based die materials are necessary to incorporate recent advancements in material technology, improve performance characteristics, and address any limitations identified in older standards, ensuring enhanced accuracy and longevity of dental prosthetics.
7)	ISO 14356: 2003	Dentistry — Duplicating material	The duplicating materials are crucial to integrate the latest advancements in material technology, ensuring improved accuracy, durability, and ease of use in dental prosthetic applications.
8)	ISO 15912: 2016	Dentistry — Refractory investment and die material	Ensures alignment with current advancements in material technology, improving the precision and performance of dental castings and prosthetics by

			incorporating the latest standards for durability and reliability.
9)	ISO/TS 19736: 2017	Dentistry — Bonding test between polymer teeth and denture base materials	Important for integrating current methodologies in evaluating the bond strength between polymer teeth and denture base materials, ensuring enhanced performance and durability of dental prosthetics
10)	ISO/TR 28642: 2016	Dentistry — Guidance on color measurement	Essential for incorporating the latest guidance on color measurement techniques, improving accuracy and consistency in matching dental materials to natural tooth color for better aesthetic outcomes in prosthetic dentistry.
11)	ISO 10323: 2013	Dentistry — Bur diameters for rotary instruments such as discs and wheels	Ensures that bur diameters for rotary instruments meet standardized measurements, enhancing precision and compatibility in dental procedures and improving the overall efficiency and safety of treatments.
12)	ISO 13295: 2007	Dentistry — Mandrels for rotary instruments	Mandrels for rotary instruments meet standardized specifications, improving compatibility, performance, and safety in dental procedures by ensuring consistent quality and reliability in the use of rotary tools.
13)	ISO 13397-5 : 2015	Dentistry — Periodontal curettes, dental scalers and excavators — Part 5: Jacquette scalers	It is crucial for ensuring that scalers meet the latest standards for design, performance, and safety, enhancing their effectiveness in periodontal treatments and improving patient outcomes.
14)	ISO 13504: 2012	Dentistry — General requirements for instruments and related accessories used in dental implant placement and treatment	Helps to align dental implant instruments and accessories with up-to-date general requirements, improving their functionality and safety during implant placement and treatment.
15)	ISO 19715: 2017	Dentistry — Filling instrument with contra angle	Aids to align filling instruments with contra angles to current standards, enhancing their precision and effectiveness in restorative dental procedures.
16)	ISO 21531: 2009	Dentistry — Graphical symbols for dental instruments	It will help in improving clarity and consistency in their identification and use within dental practices.
17)	ISO 23402-1 : 2020	Dentistry — Portable dental equipment for use in non-permanent healthcare	This establishes general requirements for portable dental equipment used in non-permanent healthcare settings,

		environment — Part 1: General requirements	enhancing safety, usability, and reliability in diverse and temporary environments.
18)	ISO 23402-3 : 2024	Dentistry — Portable dental equipment for use in non-permanent healthcare environment — Part 3: Portable suction equipment	It will ensure the equipment meets current standards for safety, performance, and reliability in temporary settings.
19)	ISO 20127: 2020	Dentistry — Physical properties of powered toothbrushes	Addresses the latest standards for improving their design, safety, and effectiveness for oral hygiene.
20)	ISO 28888: 2013	Dentistry — Screening method for erosion potential of oral rinses on dental hard tissues	Provides a standardized screening method to evaluate the erosion potential of oral rinses on dental hard tissues, ensuring more reliable assessments of product safety and impact.
21)	ISO/TR 18130: 2016	Dentistry — Screw loosening test using cyclic torsional loading for implant body/implant abutment connection of endosseous dental implants	Enhances screw loosening tests with updated methods for cyclic torsional loading, providing more accurate assessments of implant stability and improving the long-term reliability of endosseous dental implants
22)	ISO/TR 20896-2 : 2023	Dentistry — Digital impression devices — Part 2: Methods for assessing accuracy for implanted devices	This would introduce advanced methods leading to improved precision in implant-related procedures and enhanced overall quality of digital impressions in dentistry.

## ITEM 11 PROGRAMME OF WORK

11.1 The Committee noted the contents of Item 11.1 of the agenda.

11.2 The Committee noted the contents of Item 11.2 of the agenda.

## ITEM 12 REVIEW OF INDIAN STANDARDS

12.1 a) The Committee decided to wide circulate the following pre-2000 standards for a period of one month.

Sl. No	IS Number	IS Title
1)	IS 10088 : 1981	Specification for retractor, dental
2)	IS 10309 : 1982	Specification for key, torquing, edgewise
3)	IS 10353 : 1982	Pliers, McKellops' Type, Dental
4)	IS 3877 : 1967	Specification for wax knife, dental

5)	IS 5178 : 1969	Specification for gingival margin trimmers, dental, No. GMT 1/2,3/14,5/6 and 718
6)	IS 5211 : 1969	Specification for scissors, dental No. 1, straight and curved on flat
7)	IS 5212 : 1969	Specification for scissors, crown, dental, straight and curved on flat
8)	IS 5217 : 1969	Specification for clamp, flask, dental
9)	IS 5763 : 1970	Specification for occlusal plane guide, dental
10)	IS 6815 : 1972	Specification for retainers, matrix, dental, No. 1 and 2
11)	IS 6822 : 1972	Cutter, Distal Arch Wire, Dental
12)	IS 7066 : 1973	Specification for trays, instrument - Cabinet, dental
13)	IS 7334 : 1988	Specification for pliers, clasp adjusting, dental (First Revision)
14)	IS 7425 : 1974	Specification for dental casting investment for gold alloys
15)	IS 7467 : 1974	Specification for bands, matrix, dental, No. 1 and 2
16)	IS 8528 : 1988	Specification for pliers, anterior band forming, double beak, dental (First Revision)
17)	IS 8529 : 1989	Dental instruments - Pliers, posterior band forming, double beak specification (First Revision)
18)	IS 8948 : 1989	Dental instruments - Pliers, ligature tying - Specification (First Revision)
19)	IS 8949 : 1989	Dental Instruments - Pliers, Curved, Howe's Pattern

b) The Committee deliberated and decided the following:

Sl. No	IS Number	IS Title	Remarks
1)	IS 10354 : 1982	Specification for torch, alcohol, dental	The Committee decided to revise the following pre 2000 standard. The draft standard will be wide circulated for a period of one month.
2)	IS 10828 : 1984	Pliers, Band Contouring, Dental Johnson's Pattern	
3)	IS 10836 (Part 1) : 1984	Pliers, Loop Bending, Dental, Tweed's Pattern - Part 1 : Fixed Beak, Type 1	
4)	IS 11044 : 1984	Specification for acrylic trimmers, dental	
5)	IS 11045 : 1984	Specification for metal trimmers, dental	
6)	IS 11317 : 1985	Specification for shears, laboratory, straight, dental	
7)	IS 11394 : 1985	Specification for pliers, distal end cutting, with safety hold, dental	
8)	IS 11929 : 1986	Specification for adopters, band, dental	
9)	IS 12507 : 1988	General requirements for dental pliers	
10)	IS 12601 : 1989	Dental instruments - Pliers, lip-safe, flat nose - Specification	
11)	IS 12602 : 1989	Dental instruments - Nippers, cutting, carbide tip - Specification	
12)	IS 3875 : 1983	Specification for hot plate, wax levelling, dental	

		(First Revision)	
13)	IS 3876 : 1985	Specification for knife, plaster, dental (First Revision)	
14)	IS 3878 : 1967	Specification for plaster shears, dental	
15)	IS 3889 : 1985	Specification for chisels, dental (First Revision)	
16)	IS 3890 (Part 1) : 1986	Specification for instruments, plastic filling, dental: Part 1 designation numbers 1, 3, 4, 5 and 6 (First Revision)	
17)	IS 4316 : 1991	Orthodontic pliers, snipe nose - Shape, dimensions and tests (First Revision)	
18)	IS 4319 (Part 2) : 1986	Specification for pliers, stretching and contouring, dental: Part 2 pliers, contouring (First Revision)	
19)	IS 4714 : 1985	Specification for scalers, dental, No. Sc 1/2, 3/4 and 5/6 (First Revision)	
20)	IS 4975 : 1986	Specification for elevators, dental, No. 1, 2 and 3 (First Revision)	
21)	IS 5181 : 1969	Specification for press, flask, dental	
22)	IS 5576 : 1985	Specification for carriers, amalgam, dental, No. 1 and 2 (First Revision)	
23)	IS 5582 : 1986	Specification for mandrels, dental, No. 1, 2 and 3 (First Revision)	
24)	IS 5794 : 1986	Specification - For pliers, pin - Roughening and bending, dental (First Revision)	
25)	IS 5795 : 1991	Orthodontic pliers, Crown and ligating, Howe's pattern - Shape, dimensions and tests	
26)	IS 6038 : 1979	Specification for dental impression (Modelling) compound (First Revision)	
27)	IS 6292 : 1986	Specification for cotton wool holder, dental (First Revision)	
28)	IS 6829 : 1991	Dental instruments - Orthodontic pliers, angle wire bending - Shape, dimensions and tests (First Revision)	
29)	IS 6846 : 1972	General requirements for control unit for air turbine, dental	
30)	IS 6870 : 1986	Specification for pliers, loop bending, dental (First Revision)	
31)	IS 7333 : 1991	Orthodontic pliers, spring forming - Shape and dimensions (First Revision)	
32)	IS 7335 : 1974	Specification for pliers, closing loop, nance type, dental	
33)	IS 7338 : 1991	Orthodontic pliers, band removing, posterior - Shape and dimensions (First Revision)	
34)	IS 7340 : 1974	Specification for pliers, pin and ligature cutting,	

		dental	
35)	IS 7474 : 1986	Specification for pliers, collar, dental (First Revision)	
36)	IS 7476 : 1974	Specification for nippers, cutting, dental	
37)	IS 7676 : 1975	Specification for chisel, osseous, dental	
38)	IS 7677 : 1986	Specification for exolevers, apical, dental	
39)	IS 7780 : 1975	Specification for pliers, ligature forming, dental	
40)	IS 7781 : 1975	Specification for pliers, angle ribbon arch with groove, dental	
41)	IS 7833 : 1975	Specification for knives, Gingivectomy, Dental	
42)	IS 7853 : 1975	Specification for surveyor, cast, dental	
43)	IS 8284 : 1976	Pusher, Band, Dental, Mershon's Pattern	
44)	IS 8287 : 1986	Specification for pliers, band stretching and contouring, parrot beak, dental (First Revision)	
45)	IS 8850 : 1978	Guide for use of dental materials	
46)	IS 8864 : 1978	Specification for auto polymerizing (Acrylic) resins for dental use	
47)	IS 9699 : 1981	Specification for chisel, dental, large	
48)	IS 9717 : 1980	Specification for trays, impression, dental	
49)	IS 9774 : 1981	Specification for pliers, bracket opening, dental	
50)	IS 3890 (Part 2) : 1967	Specification for instruments, plastic filling, dental: Part ii designation numbers 12, 20, 21, 46, 47, 153 and 183	
51)	IS 7627 : 1975	Gag, Mouth, Mason's Pattern	The Committee decided to circulate the standard for their inputs/suggestion

**12.2** The Committee noted the contents of Item 12.2 of the agenda.

### **ITEM 13 ISSUES ARISING OUT OF THE PREVIOUS MEETINGS**

13.1 The Committee noted the contents of Item 13.1 of the agenda.

### **ITEM 14 DATE AND PLACE OF NEXT MEETING**

**14.1** The Committee decided to have the next meeting on 01<sup>st</sup> October 2024 as per the approved Annual Meeting Calendar.

<b>Quarter</b>	<b>Q1 Apr-June 2024</b>	<b>Q2 July-Sept 2024</b>	<b>Q3 Oct-Dec 2024</b>	<b>Q4 Jan-Mar 2025</b>
<b>Date</b>	12 <sup>th</sup> April 2024, Friday	02 <sup>nd</sup> Aug 2024, Friday	01 <sup>st</sup> Oct 2024, Tuesday	17 <sup>th</sup> Jan 2025, Friday

**ITEM 15 ANY OTHER BUSINESS**

There being no other business, the meeting ended with hearty thanks to the chair and all the members present.

**ANNEXURE A**

**LIST OF ATTENDEES**

<b>Sl. No.</b>	<b>Member Name</b>	<b>Organization</b>
1)	<b>Dr. N Gopi Chander</b> <i>(Chairperson)</i>	SRM Dental College, Chennai
2)	Dr. Siddhartha Sharma	All India Institute of Medical Sciences, New Delhi
3)	Dr. Sai Kalyan	Association of Indian Medical Device Industry, New Delhi
4)	Mr. C. S. Prasad	Association of Indian Medical Device Industry, New Delhi
5)	Mr. Aseem Sahu	Central Drugs Standard Control Organization, New Delhi
6)	Mr. Ajai Basil	Central Drugs Standard Control Organization, New Delhi
7)	Dr. Sushmita Saxena	Indian Association of Oral and Maxillofacial Pathologists, Chennai
8)	Dr. Deepak Bhargava	Indian Association of Oral and Maxillofacial Pathologists, Chennai
9)	Dr. Anubhuti Sood	Indian Association of Oral and Maxillofacial Pathologists, Chennai
10)	Dr. Tanushri Mahendra Dalvi	Indian Association of Public Health Dentistry, Chennai
11)	Dr. Sanjay Miglani	Indian Endodontic Society, New Delhi
12)	Dr. Ruchika Roongta	Indian Endodontic Society, New Delhi
13)	Dr. Amrita Chawla	Indian Endodontic Society, New Delhi
14)	Dr. Neeta Pasricha	Indian Prosthodontic Society, Hyderabad
15)	Dr. Suprabha Rathee	Institute of Dental Studies and Technologies, Modinagar
16)	Mr. Lokesh Jadhav	J. Morita Corporation, Mumbai
17)	Dr. Kavita Kachroo	Kalam Institute of Health Technology, Vishakhapatnam
18)	Dr. R. N. Prudhvi Teja	Kalam Institute of Health Technology, Vishakhapatnam
19)	Ms. Maitreyee Talapatra	Office of Development Commissioner (MSME), New Delhi
20)	Dr. G. Vimala Mds	Tamil Nadu Government Dental College, Chennai
21)	Dr. S. Jayachandran	Tamil Nadu Government Dental College, Chennai

**BIS Directorate General:**

1)	Ms. Uroosa Warsi <i>(Member Secretary)</i>	Scientist 'C'/Deputy Director, MHD, Bureau of Indian Standards
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