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**BUREAU OF INDIAN STANDARDS**

**MINUTES**

**Technical Textiles for Medtech Applications  
Sectional Committee, TXD 36**

**23<sup>rd</sup> Meeting**

<b>Date</b>	<b>Time</b>	<b>Venue</b>
04 August 2023 (Friday)	1030 h	Video Conference through CISCO Webex

**Attendance**

<b>SI No.</b>	<b>Name of Member</b>	<b>Organization</b>
1.	<b>Dr. Prakash Vasudevan (Chairman)</b>	<b>Director, SITRA</b>
2.	Dr. Sidhartha Satpathy	AIIMS, New Delhi
3.	Shri Apurva Ranka	Alpha Foam Ltd., Pune
4.	Shri Kanav Gupta	Business Coordination House, New Delhi
5.	Shri Samir Gupta	-do-
6.	Dr. Prasanta Panda	BTRA, Mumbai
7.	Dr. Michael Rodrigues	Carenow Medical Pvt Ltd. (Healthium Medtech), Coimbatore
8.	Dr. Suraj P Khanna	CSIR-National Physical Laboratory, New Delhi
9.	Shri Arnab Das	DGQA (Ministry of Defence), New Delhi
10.	Dr. Vikas B. Thakre	Defence Research & Development Establishment (DRDE), Gwalior
11.	Shri Nirav Mehta	Dima Products, Mumbai
12.	Dr. Naresh Panchal	Director General of Health Services, New Delhi
13.	Shri Sumit Marwah	Dispoline India Private Limited, Bengaluru
14.	Shri Manish Sabharwal	Dr. Sabharwal Wound Care, Baddi, H.P
15.	Ms Tulsi	FICCI/PWMAI (Shalex Overseas), New Delhi
16.	Dr. Sanjiv Rehlan	-do-
17.	Shri Pramod Sharma	Ginni Filaments Limited
18.	Shri Pronab Nandi	-do-
19.	Shri Gurmeet Singh	-do-
20.	Shri Ayan Chakraborty	-do-
21.	Shri Bhaskar Chandra Dwivedi	-do-
22.	Shri Ashok Arya	-do-
23.	Shri Kishor Bhonde	-do-
24.	Ms. Aditi Sharma	Goonj, New Delhi
25.	Dr. Sadhana Srivastav	Indian Council of Medical Research, New Delhi
26.	Prof Bipin Kumar	Indian Institute of Technology, New Delhi

27.	Prof Ashwini Agarwal	-do-
28.	Dr. Anup Rakshit	Indian Technical Textile Association, Mumbai
29.	Ms. Roocha Khedkar	Johnson & Johnson Ltd. (Kvenue), Mumbai
30.	Shri Rakesh Sahni	-do-
31.	Shri T. Balaji	KOB Medical Textiles Pvt Ltd, Coimbatore
32.	Ms. Shivani Swamy	Livinguard Technologies Pvt. Ltd., Mumbai
33.	Dr. Kirti Nath Saxena	Maulana Azad Medical College, New Delhi
34.	Dr. Lalit Gupta	-do-
35.	Shri Dhaval Ghuge	Medline Healthcare Industries Pvt Ltd., Pune
36.	Shri Anthony D'Costa	-do-
37.	Ms. Sneha Gupta	Nobel Hygiene, Mumbai
38.	Dr. Vijay Tadia	PGIMER, Chandigarh
39.	Dr. Pankaj Arora	-do-
40.	Shri Girish Parhate	Procter and Gamble Co., Mumbai
41.	Shri Prashant Jadhav	-do-
42.	Shri D. Veerasubramaniam	South India Textile Research Association, Coimbatore
43.	Dr. E. Santhini	-do-
44.	Shri Khalil Khan	Surya Textech, Chandigarh
45.	Smt. S.S. Dongre	The Synthetics & Art Silk Mills Research Association, Mumbai
46.	Dr Manisha Mathur	-do-
47.	Dr. P. Ravichandran	Textiles Committee Mumbai
48.	Shri Navketan G.	Venus Safety and Health Pvt Limited, Navi Mumbai
49.	Shri Harshal Patil	-do-
<b>BIS DIRECTORATE GENERAL</b>		
50.	Shri Kannan Govindraj Scientist D, CMD-II	Bureau of Indian Standards, New Delhi
51.	Shri Dharmbeer, Scientist D/Joint Director (Textiles) & (Member Secretary)	-do-
52.	Ms. Shalini Shree, Executive Assistant	-do-

#### **Item 0 WELCOME & INTRODUCTORY REMARKS**

Dr. Prakash Vasudevan, Chairman extended a hearty welcome to the members of TXD 36. He emphasized for active participation from the members and requested for the precise inputs so as to arrive at consensus.

Member secretary also welcomed the Chairman and all other members.

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

In view of no comments, the Committee **CONFIRMED** the minutes of the 22<sup>nd</sup> meeting of the TXD 36 committee held on 09 June, 2023 through CISCO Webex Videoconferencing as circulated vide email dated 21 June 2023.

## **Item 2 SCOPE AND COMPOSITION OF TXD 36**

**2.1** The Committee REVIEWED the present scope and composition of the Committee TXD 36 as given in **Annex 1** to the agenda and DECIDED as follows:

- a) The updated nomination of the following organizations be as under: -
- i) Business Co-ordination House, New Delhi will be represented by Shri Kanav Gupta as a Principal Member and Smt. Ritika Gupta as an alternate member.
  - ii) Maulana Azad Medical College, New Delhi will be represented by Dr. Pawanindra as a Principal Member and Dr. Kirti Nath Saxena as an alternate member.
  - iii) South India Textile Research Association, Coimbatore will be represented by Shri S. Sivakumar as a Principal Member and Dr. E. Santhini as an alternate member.

The committee also requested

- Shri Khalil Khan to share the contact details of Users/Private Hospitals who are willing to participate and contribute in the committee work for National Interest.
- Dr. Anup Rakshit to share the contact details of manufacturers of woven fabric/woven products of medical textiles.

## **Item 3 ISSUES ARISING OUT OF PREVIOUS MEETING OF TXD 36**

**3.1** The committee noted the summary of actions taken on various decisions of the 22<sup>nd</sup> meeting of TXD 36 as given in **Annex 2** of the agenda.

## **Item 4 DRAFT AMENDMENTS FOR FINALIZATION**

**4.1** The committee considered the following draft amendments as given in **Annex 3** of the agenda: -

- 1) Amendment No. 3 to IS 5405 : 2019, Sanitary napkins — Specification (*second revision*) [Doc: TXD 36 (22464)]
- 2) Amendment No. 3 to IS 17514 : 2021, Reusable Sanitary Pad/Sanitary Napkin/ Period panties — Specification [Doc: TXD 36 (22465)]

The committee also considered the comments received from Shri D. Veera Subramaniam, SITRA and Shri Abhisek Saini, Lending Hand Foundation, New Delhi on IS 5405 and IS 17514 as given in **Annex 4** of the agenda and thereon. After discussion, the committee decided that the comments are not specific to draft amendment under finalization and the same shall be referred to the following panel for deliberation and recommendation: -

- i) Ms. Shradha Dongre, SASMIRA, Mumbai (**Convenor**)
- ii) Dr. Sadhana Srivastava, ICMR New Delhi
- iii) Dr. E. Santhini, SITRA, Coimbatore
- iv) Shri Nirav Mehta, M/s Dima Products (ITTA), Mumbai
- v) Shri Prashant Jadhav, P & G, Mumbai
- vi) Ms. Roocha Khedkar/ Dr. Milind Deore, Johnson and Johnson, Mumbai
- vii) Shri Rajesh Shah, President, Feminine and Infant Hygiene Association
- viii) Shri Vijay Choudhary, Unicharm Gurgaon
- ix) Shri Karthik, Real Relief India Pvt. Ltd., Tamilnadu
- x) Ms. Shivani Swamy, Livinguard Technology Pvt. Ltd., Mumbai
- xi) Smt. Tanya Mahajan, The Pad Products (NGO), India
- xii) Smt. Meenakshi Gupta, Goonj, New Delhi
- xiii) Smt. Lakshmi Murthy, Jatan Sansthan, Rajasthan
- xiv) Prof. Bipin Kumar, IIT New Delhi
- xv) Shri Kanav Gupta, BCH, New Delhi
- xvi) The convenor/panel may invite users/experts/manufacturers as required.
- xvii) Member Secretary, TXD 36

The committee requested panel to discuss the following comments/parameters/aspects on IS 5405 and IS 17514 and provide its recommendation within 30 days: -

- i) Comments received from Shri D. Veera Subramaniam, SITRA, Shri Abhisek Saini, Lending Hand Foundation, New Delhi and Ms. Roocha Kedkar, Johnson & Johnson Ltd. (Kvenue), Mumbai.
- ii) The disclosure of material and chemical ingredient used in the sanitary pad.
- iii) The chemical compound/substances, frequency and requirement of Volatile Organic Compound test.
- iv) Any other technical information/suggestion.

The committee also decided that the above draft amendments as given in agenda are **FINALIZED** for publication as amendments to Indian Standards. BIS may carry out the editorial changes in the finalized draft, if required.

## **Item 5 DRAFT AMENDMENT FOR WIDE CIRCULATION**

### **5.1 IS 17354 : 2020, Medical Textiles — Dental Bib / Napkins — Specification**

The committee considered the suggestion received from SITRA on suitable liquid for testing of dental bib as given in **Annex 5**.

After deliberation, the committee decided that an amendment incorporating following changes shall be issued:-

- i) [(Page 1, Table 1, Sl no. (iv), a)] — Substitute ‘Liquid absorbency time’ for ‘Sinking time’.
- ii) [(Page 1, Table 1, Sl no. (iv), b)] — Substitute ‘Liquid absorptive capacity’ for ‘water holding capacity’.

- iii) The informative annex on test liquid for dental bib is to be included in consultation with SITRA.
- iv) (Page 2, Clause 7.1) — Insert the following information at the end:-
  - f) Declared shelf-life of the product

The draft amendment so prepared shall be issued in **wide circulation** for **2 months** for eliciting technical comments from stakeholders. BIS may carry out the editorial changes in the draft if required.

## **Item 6 NEW SUBJECTS FOR FORMULATION OF INDIAN STANDARD**

### **6.1 New Subject - IV Dressings (Film/Non-Woven), Synthetic Orthopaedic Cast Bandage, Synthetic Orthopaedic Cast Splint, Burn Sheet, Medical Wipes**

The committee considered the technical inputs received during 22<sup>nd</sup> meeting of TXD 36 as given in **Annex 6** of the agenda.

After deliberation, the committee requested the following committee members to share the additional inputs on scope, raw material/fabric, workmanship and finish, performance requirement, sampling, packing and marking on the above subjects :-

- 1) Dr. Manish Sabharwal, Dr. Sabharwal Wound Care, Baddi
- 2) Dr. Prabha Hegde, 3 M India, Bengaluru
- 3) Shri Khalil Khan, Surya Textech, Chandigarh
- 4) Shri T. Balaji, KOB Medical Textiles
- 5) Dr. Michael Rodrigues, Healthium Medtech, Coimbatore
- 6) Shri Gurmeet Singh, Ginni Filament, Noida

The committee requested **Dr. Manish Sabharwal** to co-ordinate with above stakeholders for their suggestion and technical information within 30 days. Based on the technical inputs, BIS shall prepare the preliminary draft on above subjects and the same shall be issued in wide circulation for a period of **two months** for eliciting technical comments from stakeholders. BIS may carry out the editorial changes in the draft if required.

**6.2** The committee considered the technical inputs received from Aaditya Vats, Johnson and Johnson and Shri Mayank Rohtagi, Healthium Medtech Limited (on Surgical Sutures), Shri Dhaval Ghuge (on Sterilization Wrap), Ms. Shivani Swamy (on scrub suit) as given in **Annex 7** of the agenda.

### **Surgical Sutures**

After deliberation, the committee decided that the following information shall be provided by Shri Aaditya Vats, Johnson and Johnson and Dr. Michael Rodrigues, Healthium Medtech, Coimbatore :-

- i) The foreword of the subject (including need and importance of surgical sutures for standardization)
- ii) Type of sutures to be covered in the draft;

- iii) The applicability of various international standards given under common reference shall be crosschecked and the equivalent IS/ISO is to be provided for nominative references.
- iv) The value and test method for performance parameters like length, diameter, tensile strength, needle attachment strength, breaking strength retention test, extractable colour and other chemical mentioned in existing draft. The values suggested shall be supported by inhouse test report/third party report/International Practice.
- v) The specific test applicable for biocompatibility test shall be mentioned with their requirement and test method.
- vi) The specific information for packing, labelling and marking shall be provided instead of giving reference to International Standards.
- vii) Any other technical information.

### **Sterilization Wrap**

After deliberation, the committee decided that the following information shall be included in the draft standard :-

- i) The existing published International Standards like ISO 11607 Part 1 and 2, BSEN ISO 868-2 shall be reviewed to avoid copyright violation and duplication of work.
- ii) The foreword of the subject (including need and importance)
- iii) The value and test method for performance parameters are to be mentioned in existing draft. The values suggested shall be supported by inhouse test report/third party report/International Practice.
- iv) The equivalent IS/ISO or a separate Annexure is to be provided for EN/ASTM/AATCC test method.
- v) The specific information for sampling, packing, labelling and marking shall be provided.
- vi) Any other technical information.

The committee requested the following stakeholders to share their technical input within 15 days :-

- a) Shri D. Veerasubramanian, SITRA
- b) Shri Dhaval Ghuge, Medline Healthcare Industries Pvt. Ltd, Pune
- c) Shri Sumit Marwah, Dispoline India Pvt. Ltd., Bengaluru
- d) Amit Kumar, Surgeine Healthcare (India) Private Limited, Sonipat

### **Scrub Suit**

After deliberation, the committee decided that the following information shall be included in the draft standard :-

- i) The foreword of the subject (including need and importance)
- ii) The value and test method for physical performance parameters like tensile strength, tear strength, bursting, seam strength, pilling and abrasion resistance test (where applicable) are to be mentioned in existing draft. The values suggested shall be supported by inhouse test report/third party report/International Practice.
- iii) Patient gown are to be excluded from draft specification.

- iv) Requirement and test method for cleanliness microbial cleanliness is to be included instead of hygiene testing.
- v) The information on method of sterilization and re-processing may be included.
- vi) Any other technical information.

The committee requested the following stakeholders to share their technical inputs within 15 days :-

- a) Ms. Shivani Swamy, Livinguard Mumbai
- b) Shri Abhijit, Knya Med, Mumbai
- c) Dr. Sanjiiv, PWMAI/FICCI, New Delhi
- d) Mr. Apurva Ranka/Mr. Rajiv Ranka, Alpha Foam Ltd, Pune
- e) Shri Khalil Khan, Surya Textech, Chandigarh

Based on the technical inputs on surgical sutures, sterilization wrap and scrub suit, BIS shall prepare the preliminary draft on above subjects and the same shall be issued in wide circulation for a period of **two months** for eliciting technical comments from stakeholders. BIS may carry out the editorial changes in the draft if required.

The committee further decided that the following committee members/stakeholders shall provide their technical inputs on the remaining subjects within 30 days :-

Sl No.	Field	Subjects	Stakeholder Identified
1	Medtech	Medical wipes	Dr. Manish Sabharwal, Dr. Sabharwal Wound Care  Shri Prashant Jadhav, P & G
2	Medtech	Dental floss	Shri Prashant Jadhav, P & G  Representative of Colgate Palmolive
3	Medtech	Tampons	Ms. Roocha Khedkar, Johnson and Ms. Tanya Mahajan, The Pad Project India Shri Rahesh Shah/Representative, Feminine and Infant Hygiene Association
4	Medtech	Maternity napkins/pads	Shri Nirav Mehta, Dima Products Ms. Tanya Mahajan, MHAI/The Pad Project Shri Rahesh Shah/Representative, Feminine and Infant Hygiene Association Ms. Roocha Khedkar, Johnson and Johnson Ms. Shivani Swamy, Livinguard  Shri Kamal Johari, Nobel Hygiene

5	Medtech	Antistatic Healthcare Textiles	SHI Medicare Shri Khalil Khan, Surya Textech,
6	Medtech	Synthetic orthopaedic cast / sling / splint, Mopping Pad, Leukodepletion filter or textiles used for blood purification, Hernia mesh, Umbilical tape	Shri R. Krishnakumar, Cologenesis Healthcare Private Limited Shri Aditya Vats/Shri Mehul Tyagi, Johnson and Johnson

The committee also requested BIS to co-ordinate with other stakeholder/manufacturers (who are not represented in the committee) for their technical inputs on above subjects.

#### **Item 7 COMMENTS ON PUBLISHED STANDARDS**

##### **7.1 IS 17334 : 2019, Medical Textiles — Surgical Gowns and Surgical Drapes — Specification**

The committee considered the minutes of panel meetings held on 24 November, 2022 and 18 May, 2023 as given in **Annex 8** of the agenda.

After deliberation, the committee decided that the following changes shall be incorporated in draft revision of IS 17334: -

- i) The title of the standard is to be updated as ‘Medical and Surgical Gowns and Surgical Drapes — Specification’.
- ii) The levels given in the standard are to be updated as 1, 2, 3 and 4 (instead of the present 0, 1, 2, and 3) for both gowns and drape.
- iii) The Isolation gown and patient gown are to be included in the existing standard. In Isolation gowns the critical area is the entire gown including the back and the joints and a diagram of critical definition is to be included. For a patient gown, following note is to be included under performance table: -

The patient gown shall confirm level 1 of table 1, If agreed by the buyer and seller.

- iv) It was suggested that the dry and wet microbial tests are not required for level 4 gown and drapes.
- v) It was suggested that cleanliness–microbial (CFU/100 cm<sup>2</sup>) test is required in case of unsterile gown and drapes.
- vi) A clarification note to be put up under performance table 1 in case of gown for level 4 when a sample fails in blood resistance test, viral tests shall not be carried out and the sample shall be reported as non-compliance/failure to the standard.



- vii) The blood resistance and viral resistance test for gown (level 4) shall be performed for pressure cycle upto 14 kPa, procedure D as per IS 16546 and IS 16545 respectively.
- viii) Impact penetration test for level 2 and level 3 ( $\leq 1.0$  g) gown and drapes shall be included as per IS 17375: 2020/ISO 18695 : 2007.
- ix) In hydrostatic resistance (cmwc) test, the rate of rising is performed at 60 cmWc/min.
- x) In particle release [ $\log_{10}$  (lint count)], the particle size range is to be mentioned as 3 micrometer to 25 micrometer when testing as per IS 15891 part 10.
- xi) Breathability test (water vapour transmission rate), [ $\text{g}/\text{m}^2/\text{day}$ , *Max*] - 800 as per Annex F of IS 16390 is to be included in level 4 as an optional requirement.
- xii) The general guidelines/recommendations to use different levels of medical protective gown/drape for healthcare application and surgeries in hospitals are provided as follows :-

**General Guidelines / recommendations for use of different levels of Medical protective Gowns & Drapes (for guidance only):**

<b>Performance Level</b>	<b>Anticipated risk of exposure</b>
<b>Level 1</b>	<ul style="list-style-type: none"> <li>• Minimal risk to the patient independent of anesthesia</li> <li>• Minimally invasive procedures with little or no body fluid loss</li> <li>• Often done in an office setting with the operating room principally for anesthesia and monitoring</li> </ul>
<b>Level 2</b>	<ul style="list-style-type: none"> <li>• Minimal to moderately invasive procedure</li> <li>• Mild body fluid loss</li> <li>• Mild risk to patient independent of anesthesia</li> </ul>
<b>Level 3</b>	<ul style="list-style-type: none"> <li>• Moderate to significantly invasive procedure</li> <li>• Moderate body fluid loss</li> <li>• Moderate risk to patient independent of anesthesia</li> </ul>
<b>Level 4</b>	<ul style="list-style-type: none"> <li>• Highly invasive procedure</li> <li>• High body fluid loss</li> <li>• Major/critical risk to patient independent of anesthesia</li> <li>• Usual post-operative ICU stay with invasive monitoring</li> </ul>

- xiii) The requirement of resistance to dry and wet bacterial penetration test may be included in level 2 and level 3. The committee requested SITRA to suggest the optimum value based on testing of samples/practical significance of protection to

user/International Practice within 15 days. It was requested that following stakeholders send samples to SITRA for testing of dry and wet bacterial penetration test: -

- a) Dr. Sanjiiv Rehlan, FICCI/PWMAI (Shalex Overseas), New Delhi
- b) Shri Sumit Marwah, Dispoline India Private Limited, Bengaluru
- c) Shri Khalil Khan, Surya Textech, Chandigarh
- d) Shri Apurva Ranka, Alpha Foam Private Limited, Pune

Member Secretary may co-ordinate with Dr. Santhani, SITRA for additional information and applicable values for resistance to dry and wet bacterial penetration test.

- xiv) The requirement of cytotoxicity in biocompatibility test is to be updated as ‘non-cytotoxic’.
- xv) It was decided that the size of gown and drape shall be as per agreement between the buyer and the seller. The size of gown shall be designated based on the measurement of height and chest. In case of elastic cuff/waist, it should have proper fit and should be adhered with glue to minimize risk of exposure.
- xvi) Reference to Indian standard shall be updated.
- xvii) Amendment 1 shall be incorporated.
- xviii) Any other editorial changes.

Based on the above changes, BIS shall prepare the revised draft of IS 17334 and the same shall be issued in wide circulation for a period of **two months** for eliciting technical comments from stakeholders. BIS may carry out the editorial changes in the draft if required.

## **7.2 IS 17351 : 2020, Medical textiles – Dressing, shell compressed – Specification**

The committee considered the defence standard on compressed dressing cell as given in **Annex 9** of the agenda.

After discussion, the committee decided that the requirement as per defence standard on compressed dressing cell shall be incorporated in the existing standard in consultation with Dr. Dr. Manish Sabharwal, Dr. Sabharwal Wound Care, Baddi and Directorate of Standardization (DoS), Ministry of Defence.

The committee further decided that BIS shall prepare the revised draft of IS 17351 and the same shall be issued in wide circulation for a period of **two months** for eliciting technical comments from stakeholders. BIS may carry out the editorial changes in the draft if required.

## **Item 8 INTERNATIONAL ACTIVITIES**

### **8.1 Committee Internal Ballot (CIB) - ISO TC 338 N 38 Menstrual Products — Terminology**

The committee considered the Committee Internal Ballot (CIB) - ISO TC 338 N 38 Menstrual Products — Terminology as given in **Annex 10** of the agenda.

In view of no comments, the committee decided that the above Ballot shall be approved for voting.

## 8.2 ISO/NP 20384, Surgical clothing and drapes — Requirements and test methods

The committee considered the above ISO ballot issued by **ISO/TC 94/SC 13** for member countries voting as given in **Annex 11** of the agenda.

After deliberation, the committee decided that **ISO/NP 20384 ballot** shall be ‘approved with comments’ for voting by giving suggestion for addition of following information: -

**Clause 3.1, addition,** The terms related to antibacterial, antibacterial finish, antibacterial activity, cross contamination, adsorption may be added

**Clause 5,** addition, the requirement of antibacterial activity may be added as per ISO 20743: 2021.

The committee also approved the nomination of the following experts for active participation in development of Project/International Standard on ISO/NP 20384, Surgical clothing and drapes — Requirements and test methods : -

- a) Shri Sumit Marwah, Dispoline India Private Limited, Bengaluru
- b) Dr. Sanjiv Rehlan, Representing FICCI, New Delhi
- c) Head (Textiles) and/or Member Secretary, TXD 36, BIS New Delhi

The committee TXD 36 may nominate additional technical experts (if required) for participation in above New Item Proposal (NWIP)/Project.

**8.3** The committee noted the information as given in **Annex 12/Annex 13** of the agenda and appreciated the efforts of Convenor and experts. It was further requested to members/nominated experts for their continued efforts and participation in working group meeting and share their views/comments on working documents/agenda items of Adhoc Group/Task Group/WGs under ISO/TC 338.

## Item 9 REVIEW OF PUBLISHED STANDARDS

**9.1** The committee considered the standards due for review and pre-2000 standards as given in the agenda.

After deliberation, the committee decided the following: -

Sl No	IS No.	Title	Decision of TXD 36
1	<a href="#">IS 5405 : 2019</a>	Sanitary napkins – Specification (second revision)	Amendment 3 has been finalized. The committee decided that the standard shall be reaffirmed for a further period of 5 years.

2	<a href="#">IS 17243 : 2019</a>	Medical textiles – Test methods for compresses for wound management and surgical procedures	<p>It was informed by SITRA that the standard is current and valid as per the industry and trade.</p> <p>The committee decided that the standard shall be reaffirmed for a further period of 5 years.</p>
3	<a href="#">IS 17334 : 2019</a>	Medical textiles – Surgical gowns and surgical drapes – Specification	<p>The committee decided that the standard shall be reaffirmed for a further period of 5 years and shall be taken for revision as per the changes suggested under <b>item 7.1.</b></p>

The committee also considered the Pre-2000 Standards and the review performa as given in **Annex 14** of the agenda. After deliberation the committee decided the following: -

Sl No	IS No.	Title	Allotted To/Review
1	<a href="#">IS 10829 : 1993</a>	X-Ray detectable gauze swabs and laparotomy sponges – Specification (first revision)	Dr. Manish Sabharwal, Dr. Sabharwal Wound Care, Baddi
2	<a href="#">IS 11046 : 1984</a>	Specification for towel, operating	-do-
3	<a href="#">IS 12839 : 1989</a>	Wool/polyamide blended flannel, hospital, grey - Specification	Dr. Sanjiiv, FICCI/PWMAI
4	<a href="#">IS 14274 : 1995</a>	Bandage, T - Shaped, calico - Specification	It was informed by representative of DGAFMS that this product is not being procured/used. The committee decided that the standard

			may be archived for the time being.
5	<a href="#">IS 14306 : 1995</a>	Bandage, triangular, calico – Specification	-do-
6	<a href="#">IS 14316 : 1995</a>	Swabs, small, in bag of 50 - Specification	Dr. Manish Sabharwal, Dr. Sabharwal Wound Care, Baddi
7	<a href="#">IS 1681 : 1998</a>	Textiles – Hospital blankets, woollen, dyed – Specification (third revision)	Dr. Sanjiiv, FICCI/PWMAI

The committee further decided that BIS shall prepare the draft revision of above standards based on review performa and comments received from stakeholders. The draft revision so prepared shall be issued in wide circulation for **2 months** for eliciting technical comments from stakeholders. BIS may carry out the editorial changes in the draft if required.

#### **Item 10 DATE AND PLACE OF NEXT MEETING**

**10.1** The Committee DECIDED to hold the next meeting in consultation with Chairman TXD 36 on Top Priority.

#### **Item 11 ANY OTHER BUSINESS**

**11.1** There being no other business, the meeting ended with a hearty vote of thanks to the *Chair*.