

**Agenda**

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| **MEETING** | **DAY & DATE** | **TIME** | **VENUE** |
| **Twenty Fifth Meeting of Gasket and Packing Sectional Committee, MED 30** | **Monday, 16th December 2024** | **10:30 hrs onwards** | **Virtual Mode (Through Webex)** |

**CHAIRPERSON:** Shri Udayan Chakravarty, General Manager, Engineers India Ltd.

**MEMBER SECRETARY**: Ms Khushbu Jyotsna Kindo, Scientist ‘D’/ Joint Director (MED), BIS, New Delhi

**Item 0. WELCOME AND OPENING REMARKS**

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

**0.2** Welcome & Opening remarks by Chairman.

**Item 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING**

The minutes of the 24th Meeting of the Gasket and Packing Sectional Committee, MED 30, held on 17 September 2024 through Webex were circulated to the members vide email dated 6th Dec 2024 and last date of comment is 13th Dec 2024.

The Committee may confirm the minutes of the meeting.

**Item 2 SCOPE AND COMPOSITION OF COMMITTEE**

**2.1 Scope**

The present scope of the **Gasket and Packing Sectional Committee, MED 30** is as follows:

“Formulation of standards and specifications for radial shaft seals, gaskets and packings made from asbestos, cork, rubber, paper, rope, metal, elastomers and combinations thereof.”

During the last meeting all committee members were requested to review the current scope of the MED 30 Sectional Committee and provide their valuable suggestions/comments on the scope. No comments received on the scope.

*The Committee may kindly note.*

**2.2 COMPOSITION OF THE SECTIONAL COMMITTEE AND ITS SUB-COMMITEES**

**2.2.1** The composition of the Sectional Committee as last reviewed is given in **Annex 1**.

**2.2.2** Extracts from the Standards Formulation Manual of BIS regarding the guidelines for participation in the technical committee work of BIS are given in **Annex 2**.

Letters were sent to the following organization for active participation:

a) Bharat Corrub Industries, Vadodara

b) Bharat Petroleum Corporation Ltd, Noida

c) Crompton Greaves Ltd, Mumbai

d) [Defence Research and Development Organization, Research Centre Imarat, Hyderabad](about:blank)

e) Gail (India) Ltd, New Delhi

f) MECON Limited, Ranchi

g) [Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, New Delhi](about:blank)

h) NTPC Ltd, Noida

i) Ordnance Factory Board Jabalpur

j) Spareage Sealing Solution

k) Super Waudite Jointings Pvt Ltd, Ahmedabad

l) Tata Power Company Ltd Mumbai

*The response is awaited. The Committee may consider and decide.*

**2.2.3** As per the BIS guidelines, committees should represent all interest groups such as organized consumers/users, industry, technologists and regulatory bodies/NGOs, etc. However, consumer interests shall as far as possible predominate. Where non-industry interests are less than 2/3, it may be reviewed. Stakeholders such as manufacturers/service providers as well as consumer activists should as far as possible represent industries association and organizations and not individual companies. Also, it may be desirable to induct and involve new people in the work of Sectional Committees with an aim to infuse fresh ideas and it is suggested that member organizations may like to keep this aspect in view while nominating their representations in the technical committees.

Also, the Committee may **IDENTIFY** and **INVOLVE** talent available in the country related to the subject of the Committee and also **suggest a methodology** to involve them in the proceedings of the Committee.

Recently towards encouraging the participation of young professionals representing the member organizations on the Committee, it was decided by BIS that an additional member up to the age of 37 years may also be nominated by each organization.

*The Committee may note and suggest any addition/deletion/modification in the composition.*

**2.2.4 Gender Responsive Standards Initiative**

Bureau of Indian Standards is a signatory to the UNECE Gender Responsive Standards Declaration. The UNECE Gender Responsive Standards Initiative aims to provide a practical framework for standards bodies seeking to make the standards they develop, and the standards development process they follow, gender-responsive. Established in 2016, the Initiative has the objectives of:

(i) strengthening the use of standards and technical regulations as powerful tools to attain SDG 5 (Achieve Gender Equality and Empower all Women and Girls);

(ii) integrating a gender lens in the development of both standards and technical regulations; and

(iii) elaborating gender indicators and criteria that could be used in standards development.

In line with these objectives, BIS aims to work towards:

* Gender-responsive standards;
* Gender balance at all levels in all Committees including leadership positions;
* Enhanced expertise to create and deliver gender inclusivity;

The Committees **ARE REQUESTED** to work in tandem with these aims to create a gender balanced environment in all walks of life through standards.

*The Committee may kindly note.*

**Item 3** **REFORMS IN THE PROCESS OF STANDARDISATION**

1. **Research project** to be taken up for inclusion of empirical data and insights.

BIS has recognized the importance of including research to generate empirical data in its standardization process for the development of Indian standards. Decision-making without evidence can be challenging, and it may result in dropping some crucial projects related to standard-making. In this regard, empirical data can help the committee to make informed decisions on such issues. By incorporating research-based empirical data, the standardization process can become more evidence-based, accurate, and effective, ultimately leading to the development of better and more relevant Indian standards. This type of project may be granted to experts in the relevant field.

*The committee may deliberate on this topic and identify standards that require empirical data for their development or revision.*

1. Closer examination of **new work item proposals** received from ISO.

India has established itself as a significant manufacturing hub and has a considerable stake in international trade. To ensure our active involvement in trade-related norms set by different countries, we need to participate in the standardization process of ISO and provide input for the betterment of our industries. Standardization is the key to influencing these norms, and a **closer examination of new work item proposals** received from ISO is necessary for us to standardize products at the international level. This activity will benefit Indian manufacturers at all levels to keep up with or enter into international-level trade, ultimately improving their competitiveness in the global market.

ISO/TC 87, “Cork” has the scope as “Standardization in the field of cork, both the raw material and products manufactured and prepared from cork.”

The Committee had decided to pursue P-membership (Participating membership) in ISO/TC 87, "Cork," for the MED 30 committee. The addition of this membership will strengthen India's participation in the standardization of cork and related products.

The approval for P-membership will be put up to the Mechanical Engineering Division Council in its next meeting scheduled on 18th Dec 2024.

*The Committee may kindly note.*

1. The measures to ensure **effective participation** by the Indian experts at ISO/IEC level.

Effective participation in ISO activities is crucial for our nation as we have a significant stake in international trade and ISO standards. Therefore, it is essential that the committee participates effectively and thoroughly examines ISO ballots concerning their relevance. If the ballot is relevant to us, the committee should nominate experts to represent our nation in ISO meetings. This will help to ensure that our national interests are well-represented and safeguarded in the international arena.

1. **National and International Events** to be Participated

BIS has envisaged participation in events organized at national and international levels as these events showcase the latest trends in the field of standardization and technological advancements. Considering the importance of these events committee may please suggest such an event where participation of BIS can benefit the development of national standards.

1. **Scientific journals and periodicals** to be subscribed

BIS has taken a new initiative to subscribe to scientific journals and periodicals relevant to committee work. It is also envisaged that relevant articles from these journals and periodicals are shared with members of the sectional committee.

Committee members may please suggest important journals and magazines that may benefit this committee.

*The Committee may kindly note.*

**Item 4 ACTION ARISING OUT OF THE LAST MEETING.**

**4.1** The decisions on summary of actions taken on the minutes of the last meeting are given below:

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| --- | --- | --- | --- | --- |
| **Sl No.** | **Item\*** | **Decision taken in the 23rd meeting** | **Decision taken in the 24th meeting** | **Present Status** |
|  | **3.1 Sl. No. 4**  **1)** | The document has been wide circulated after making editorial and other necessary changes and corrections. The forward is also added to the draft standard.  Committee members are requested to review the draft.  WC Draft:  [04.09.24\_WC WIRE REINFORCED ASBESTOS JOINTING MATERIAL SPECIFICATION.docx](https://docs.google.com/document/d/102xJWuaI_7Q9X0__I_WFYeRzTPEd6l65/edit?usp=drive_link&ouid=103660883221074079828&rtpof=true&sd=true)  If no comments are received, the draft will be sent for printing.  **Background**  The committee has noted the information and requested MS to send the document for Wide circulation urgently for 30 days.  If no comments are received on the document then the document should be sent for printing without any delay. | **Wire Reinforced Asbestos Fibre Jointing Material – Specification**  After discussion, the Committee approved the document attached to the agenda for wide circulation. The Committee also suggested the Member Secretary to make editorial and necessary revisions as required.  The document will be circulated for a period of two months. If no comments are received within this time frame, it will proceed directly to the printing stage.  WC Draft:  [04.09.24\_WC WIRE REINFORCED ASBESTOS JOINTING MATERIAL SPECIFICATION.docx](https://docs.google.com/document/d/102xJWuaI_7Q9X0__I_WFYeRzTPEd6l65/edit?usp=drive_link&ouid=103660883221074079828&rtpof=true&sd=true) | DIN 52913:2002 ‘Testing of static gaskets for flange connections - Compression creep testing of gaskets made from sheets’ has been referred to for testing in clause **6.7** **Stress Relaxation**.  The Committee may kindly review and decide. |
| **2.** | **3.1 Sl. No. 4**  **2)** | The member secretary reviewed the draft from the members for the Gasket and Packings – Flexible Graphite Material – Specification and determined that major revisions are necessary. The revised draft, prepared by the member secretary, is attached below;  Working Draft:  [Gasket and Packing’s Flexible Graphite Material – Specification.docx](https://docs.google.com/document/d/1fZPmFPPLrb_lhXQDSHzgFed4gV4_YkhW/edit?usp=drive_link&ouid=103660883221074079828&rtpof=true&sd=true)  The committee is requested to form a panel to finalize the draft for wide circulation.  **Background**  The committee has noted the information and requested MS to send the document for Wide circulation urgently for 30 days.  If no comments are received on the document then the document should be sent for printing without any delay. | **Draft Indian Standard on Gasket and packings – Flexible graphite material – Specification**  The Committee has decided to form a panel for finalizing the document. The composition of the panel is as follows:   1. Shri Arpan Jha, M/s Superlite Jointings Private Limited, Ghaziabad 2. Shri Mahesh Avachat, M/s Uni Klinger Limited, Mumbai 3. Shri Darshan A. Parekh, M/s Indian Sealing Association, New Delhi 4. Shri Shubham Yadav (Member Secretary), BIS   [Gasket and Packing’s Flexible Graphite Material – Specification.docx](https://docs.google.com/document/d/1fZPmFPPLrb_lhXQDSHzgFed4gV4_YkhW/edit?usp=drive_link&ouid=103660883221074079828&rtpof=true&sd=true)    The draft document, Gasket and Packing’s Flexible Graphite Material – Specification will be circulated for 30 days for wide circulation after it has been finalized by the above-mentioned panel*.* | Input from Panel is awaited.  The Committee may consider and decide. |
| **3.** | **3.1 Sl. No. 4.4)** | The revised draft of IS 16916:2018 has been wide circulated for 30 days, starting from 03.04.2024, through document number MED 30 (25135).  The following comments have been received on the WC draft and attached below;  WC Draft comment by DDG Std-II:  <https://drive.google.com/drive/u/0/folders/1BEzY--ftXCCvYN6Q0rfmpW5qxoPms9OR>  Revised Draft:  [IS 16916 PTFE Revised draft for Wide circulation.docx](https://docs.google.com/document/d/1t6rooVtfZE1pMmOHBPyiSTc-UCIYgoeE/edit?usp=drive_link&ouid=103660883221074079828&rtpof=true&sd=true)    **Background**  The Committee decided to incorporate the comments received from Shri Mahesh Avachat in the draft standard and circulate the draft for wide circulation for 1-month time.  If no comments are received on the document, then the document should be sent for printing. | **IS 16916 on PTFE Gaskets**  The Committee has decided to form a panel for finalizing the document. The composition of the panel is as follows:   1. Shri Mahesh Avachat M/s Uni Klinger Limited, Mumbai 2. Shri Mangesh   M/s L&T-Sargent & Lundy Limited, Vadodara   1. Shri Darshan A. Parekh M/s Indian Sealing Association, New Delhi 2. Shri Shubham Yadav (Member secretary) BIS   The draft document, **Polytetrafluoroethylene (PTFE) Gasket Materials** will be circulated for 30 days for wide circulation after it has been finalized by the above-mentioned panel. | The Panel meeting was held on 6th Dec 2024 which was attended by Shri Mangesh Newgi and Shri Darshan Parekh.  The Sub-committee members discussed the draft standard and suggested input to be sought from raw material manufacturers for the properties mentioned in the draft. The Sub-committee requested more time for review.  The Committee may consider and decide. |
| **4.** | **3.1 Sl. No. 4.5)** | *Shri Pinkesh Patel has informed that there is no change required in the* ***IS 13257:1992*** *because there are no changes in the parent standard ASME B16.5.*  *However, as per last year's discussion, we are unable to use a reference to the ASME standard in the BIS standard. Therefore, please remove any such references from IS 13257.*  *Copy of email from Pinkesh Patel: Sun, 11 Aug 2024 7:52:22 AM*  [Copy of Email\_Pinkesh\_Patel.pdf](https://drive.google.com/file/d/17HH0d7YlxR7-1I8TsMSOOaVauWm24Ilx/view?usp=drive_link)  *Given the above, a draft has been prepared by the MS after making editorial changes and incorporating recent practices followed in the standardization process.*  *Draft:* [IS 13257 2024.docx](https://docs.google.com/document/d/1TKECGBOPoUljJVEVbtbmA0WbLe8f8xeK/edit?usp=drive_link&ouid=103660883221074079828&rtpof=true&sd=true)  *The committee is requested to review the document and send for wide circulation.*  **Background**  The committee has decided to follow up with Shri Pinkesh Patel of M/s LnT regarding the draft of IS 13257:1992.  The Committee decided to wide circulate the draft revision provided by Shri Patel for 1 month***.*** | **IS 13257:1992 Ring type joint gaskets and grooves for pipe flanges – Specification**  The Committee has finalized the document for a 30-day wide circulation. If no comments are received during this period, the document will proceed directly to the printing stage.  [IS 13257 2024.docx](https://docs.google.com/document/d/1TKECGBOPoUljJVEVbtbmA0WbLe8f8xeK/edit?usp=drive_link&ouid=103660883221074079828&rtpof=true&sd=true) | The draft is under preparation for wide circulation.  The Committee may kindly note. |
| **5.** | **3.1 Sl No 7** | *The member secretary reviewed the draft for the* ***Oxidation test for flexible graphite material*** *and determined that major revisions are necessary. The revised draft, prepared by the member secretary, is attached below;*  ***Working Draft:***  [Draft Oxidation of Graphite-UKL.docx](https://docs.google.com/document/d/1WRaDJd2OpPVJoDoDi2hxfM_D2kj3uVoE/edit?usp=drive_link&ouid=103660883221074079828&rtpof=true&sd=true)    *The comments from Shri Mahesh Avachat is also mentioned in the Draft. Comments from Shri Darsan Parekh and Shri Varun Agarwal is still awaited.*  *The committee is requested to form a panel to finalize the draft for wide circulation.*  **Background**  The committee has taken note of the comments received from Shri Mahesh Avachat.  The committee has requested Shri Darsan Parekh and Shri Varun Agarwal to provide their comments on the draft so that it can be edited and circulated as a P draft for 1 month.  If no comments are received the draft will be wide circulated for 1 month. | *The Committee has decided to form a panel for finalizing the document. The composition of the panel is as follows:*   1. *Shri Mahesh Avachat M/s Uni Klinger Limited, Mumbai* 2. *Shri Darshan A. Parekh M/s Indian Sealing Association, New Delhi* 3. *Shri Arpan Jha M/s Superlite Jointings Private Limited, Ghaziabad* 4. *Shri Shubham Yadav (Member secretary)* BIS   *The draft document,* ***Oxidation test for flexible graphite material*** *will be circulated for 30 days for wide circulation after it has been finalized by the above-mentioned panel.* | The draft from Panel is awaited.  The Committee may consider and decide. |

**4.1** The summary of actions taken on the minutes of the 23rd meeting is given below:

**\*** The Item number refers to the proceedings of the last meeting of MED 30.

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**Item 5 DRAFT STANDARDS COMPLETED WIDE CIRCULATION**

**Item 5.1 The following standards have completed their wide circulation timeline;**

**5.1 MED 30 (21047) Insulation Mill Board Specification (Revision of IS 14539:1998)**

The Committee has finalized the draft for the printing in the last meeting.

The Committee may note that the decision of transfer of IS 14539 from MED to CHD is awaited.

**5.2 MED 30 (25135) Polytetrafluoroethylene (PTFE) Gasket Materials (Revision of IS 16916:2018)**

The draft document was wide circulated vide letter bearing reference MED30/T-37 dated 1st April 2024 and the last date of comment was 1 May 2024.

Comments received from DDG Standardization-II was put up to the Committee and following Panel was formed to revise the draft:

1. Shri Mahesh Avachat M/s Uni Klinger Limited, Mumbai
2. Shri Mangesh M/s L&T-Sargent & Lundy Limited, Vadodara
3. Shri Darshan A. Parekh M/s Indian Sealing Association, New Delhi
4. Shri Shubham Yadav (Member secretary) BIS.

Draft revision is awaited from the panel.

Also refer Item 4.1, Sl 3.

**Item 6 P- DRAFT STANDARD**

**6.1 MED 30 (17837) P ‘Non-asbestos Beater addition Jointings – Specification’**

Decision of 23rd meeting: *The committee decided to delete the reference(as it is not referred to anywhere in the clause) from the P-draft and send the document for Wide Circulation for the 30-day timeline for public comments.*

Decision of 24th meeting: *The committee has decided to establish a new panel to finalize the P draft of Non-asbestos Beater addition Jointings – Specification for wide circulation. The member secretary will circulate an email to all members, requesting nominations for the panel. The panel will further finalize the draft for wide circulation after discussing the comments on the draft provided by the Member Secretary.*

Present status:

Email for call for nomination as Panel member for revising draft was sent on 3rd Dec 2024. Nomination is awaited.

*The Committee may consider and decide.*

**6.2 MED/30/22866 ‘Gasket and packing- Glossary of terms’**

The draft document was circulated as P-draft vide letter bearing reference MED30/T-55 dated 7 July 2023 and the last date of comment was 6 Aug 2023.

The committee has decided to send the document for wide circulation for 30 days.

Comments of Member Secretary was sent to Shri Darshan Parekh on 3rd Dec 2024 as the draft had several reference to International standards apart from ISO and IEC.

The response is awaited from Shri Parekh.

*The Committee may consider and decide.*

**Item 7 DRAFT STANDARDS/AMENDMENTS FOR FINALIZATION/ FINALIZED**

**7.1 MED 30 (19159) Gaskets and packings - Gland packings asbestos - Specification (Second Revision of IS 4687)**

*In the last meeting the Committee has decided to send a reminder to the panel for finalizing the draft following the panel discussion on the subject. If a response is not received regarding the draft, the panel would be reconstituted to ensure its finalization.*

***Background:***

The Committee had deliberated on the comments of MS and Shri Darshan Parekh and decided as follows:

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| **Abbreviation of the Commentator/**  **Organization** | **Clause/ Subclause No.**  (e.g. 3.1) | **Paragraph No. /**  **Figure No. /**  **Table No.**  (e.g. Table 1) | **Type of Comment1)** | **Comments/Suggestions along with Justification for the Proposed Change** | **Proposed Change/Modified Wordings** | **Committee decision** |
| **(1)** | **(2)** | **(3)** | **(4)** | **(5)** | **(6)** | **(7)** |
| BIS | Foreward |  | General | Asbestos has been classified as a known human carcinogen.  Refer to the following Rule of the Directorate General Factory Advice and Labour Institutes (DGFASLI)  Schedule – XIV  Handling and processing of Asbestos, manufacture of any article of Asbestos and any other process of manufacture or otherwise in which Asbestos is used in any form.  (Model Factories Rules 120 (MFR 120) under Section 87)  <https://dgfasli.gov.in/en/model-rules-part-ii/handling-and-processing-asbestos-manufacture-any-article-asbestos-and-any-other> | It is proposed to provide a cautionary note in the forward regarding its use and the Rules of DGFASLI. The same may also be suitably added to other asbestos-related Indian standards. | The Committee requested MS to check for any such notes in the standard for asbestos roofing, etc. and if such note/information is provided then circulate the same to committee members for adding in the forward. |
| -do- |  |  | Technical |  | Add basic terminologies like a gasket, asbestos, etc. | The Committee accepted the comment and requested Shri Farzad Palia to provide terminologies. |
| DP | 2 | 10330 | Editorial | Addition of inclusion of Leakage Testing with Methane or Helium as per ISO 15848 OR API 622 for Testing. The Gas tightness of the Gland Packing can only be determined by Testing the product. The current standard doesn't include any finished product testing to determine product approval. | Inclusion of Reference and addition of compliance to Gland Packing Emission Testing as per ISO 15848 norms. Inclusion of Reference and addition of compliance to Gland Packing Emission Testing as per ISO 10497 norms. | The Committee agreed to include the finished product testing in addition to raw material testing (already incorporated). The Committee requested the Panel given below to provide the method. |

The Committee had requested the following Panel to provide a revised draft:

1. Shri Farzad Palia (Convener),
2. Shri Darshan Parekh,
3. Shri Akshay Sharma, and
4. Indian Pump Manufacturers Association.

The Committee had also noted the information regarding the meeting held on 24th April 2023 and requested M/s Champion Jointings to provide the relevant safety standards to be referred to. It had decided to add a reference to the following standards suitably in the draft:

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| --- | --- | --- |
| **Sl No** | **IS No.** | **Title** |
| 1 | IS 11707: 1986 | Glossary of terms relating to asbestos |
| 2 | IS 12081 (Part 2): 1987 | Recommendations for pictorial warning signs and precautionary notices for asbestos and products containing asbestos: Part 2 Asbestos and its products |
| 3 | IS 11768: 1986 | Recommendations for disposal of asbestos waste material |

***Present status:***

The Sub-committee meeting was held on 29th Nov 2024 virtually at 3pm and it was attended by the following:

1. Shri Farzad Palia (Convener),
2. Shri Darshan Parekh,
3. Shri Akshay Sharma, and
4. Ms Khushbu Jyotsna Kindo, Sc. D (BIS)

***The panel has recommended as follows:***

1. MS will add basic terminologies related to gasket from MED30(22866) ‘Gasket and Packing – Glossary of Terms’ to the draft.
2. Add leakage testing with methane or helium as follows:

**Sealability/Leakage Test**

The sealability/leakage shall be as per CH of Table 1 and CM of Table 3 of IS/ISO 15848-1:2015 and tested as per the methods described in IS/ISO 15848-1 : 2015.

or

The sealability/leakage shall be as per Table 1 of IS 11611 : 2022 /ISO 10497 : 2010 and tested as per the methods described in IS 11611 : 2022 /ISO 10497 : 2010.

1. The Panel recommended to refer IS 11768 and IS 12081 (Part 2) for safety.

*The Committee may consider and finalize the draft.*

**Item 8** **COMMENTS ON PUBLISHED STANDARDS**

No comments have been received on Indian Standards related to MED30.

*The Committee may kindly note.*

**Item 9 NEW SUBJECTS**

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

1. Whether the subject is financed by the proposer;
2. Saleability of the standard;
3. Standards shall be user friendly;and
4. Social needs with regards to safety, health and environment.

Only after assessing the above aspects it will 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 3***.* When members propose in the Technical Committee (TC) meeting, they have to fill in the Performa beforehand which is then considered by the TC.

*The Committee may note.*

**Item 10 STATUS OF INDIAN STANDARDS UNDER BIS CERTIFICATION**

The Committee may note that the following standards prepared by MED 30 are under certification:

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| --- | --- | --- | --- | --- |
| Sl. No. | IS No. & Title | No. of Domestic Licences | No. of Foreign Licences | Total |
| 1 | IS 2712 : 2024 Gaskets and Packings Compressed Asbestos Fibre Jointing —Specification | 1 | 0 | 1 |

*The Committee may note.*

**Item 11 INTERNATIONAL ACTIVITIES**

Following ISO Technical Committee pertains to MED30:

ISO/TC 87, “Cork” has the scope as “Standardization in the field of cork, both the raw material and products manufactured and prepared from cork.”

The Committee had decided to pursue P-membership (Participating membership) in ISO/TC 87, "Cork," for the MED 30 committee. The addition of this membership will strengthen India's participation in the standardization of cork and related products.

The approval for P-membership will be put up to the Mechanical Engineering Division Council in its next meeting scheduled on 18th Dec 2024.

*The Committee may kindly note.*

**Item 12 PROGRAMME OF WORK (INCLUDING PERIODIC REVIEW OF INDIAN STANDARDS)**

Present programme of work of MED30 can be accessed through the following link:

[**https://www.services.bis.gov.in/php/BIS\_2.0/bisconnect/pow\_details**](https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/pow_details)

**New Standards published in 2024-25**

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| --- | --- | --- | --- |
| **Sl No.** | **IS No.** | **IS Title** | **Published Date** |
| **1.** | IS 10008: 2024 | Beater Addition Jointings —Specification | July 2024 |
| **2.** | IS 10330: 2024 | Formed Asbestos Packing Rings for High Pressure and High-Temperature Valves —Specification | August 2024 |
| **3.** | IS 10864: 2024 | Metal jacketed gaskets for pipe flanges and heat exchanger flanges —Specification | July 2024 |
| **4.** | IS 2712: 2024 | Gaskets and Packings Compressed Asbestos Fibre Jointing —Specification | July 2024 |
| **5.** | IS 4688 : 2024 | Proofed cotton duck gland packing — Specification | Sept 2024 |
| **6.** | IS 5414: 2024 | Gaskets And Packings Gland Packing Jute And Hemp — Specification | July 2024 |
| **7.** | IS 5566: 2024 | Vegetable Fibre Base Jointing Material —Specification | July 2024 |
| **8.** | IS 5569: 2024 | Cork and cellulose base jointing material — Specification | Oct 2024 |
| **9.** | IS 9066: 2024 | Lubricated Cotton Gland Packings Specification | July 2024 |
| **10.** | IS 11149 : 2024 | Rubber gaskets — Specification | Oct 2024 |
| **11.** | IS 6210: 2024 | Stress relaxation of gasket material —Method of test | Aug 2024 |
| **12.** | IS 7719: 2024 | Mettalic Spiral Wound Gasket — Specification | Sept 2024 |
| **13.** | IS 9066: 2024 | Lubricated cotton gland packings — Specification | July 2024 |

**12.2** As on on-going activity, Sectional Committee reviews the Indian Standards formulated by it at an interval of five years from the date of publication.

Following Indian standards are due for review in the year **2024-2025:**

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| --- | --- | --- | --- |
| Sl No. | IS No. | Title | Due Date/Status |
|  | IS 14539 : 1998 | Insulation mill board - Specification | Oct 2024 |
|  | IS 4253 (Part 1) : 2008 | Cork composition sheets - Specification: Part 1 plain cork sheets (Second Revision) | Oct 2024 |
|  | IS 4253 (Part 2) : 2008 | Cork composition sheets - Specification: Part 2 cork and rubber (Second Revision) | Oct 2024 |
|  | IS 7714: 1975 | Method of sealability test for gasket materials | Oct 2024 |
|  | IS/ISO 6194-1 : 2007 | Rotary shaft lip - Type seals incorporating elastomeric sealing elements: Part 1 nominal dimensions and tolerances | Oct 2024 |
|  | IS/ISO 4708 : 2017 | Composition cork— Gasket material — Test methods | Base standard is under systematic review by ISO. |
|  | IS/ISO 4709 : 2017 | Composition cork — Gasket material — Classification system, requirements, sampling, packaging and marking | Base standard is confirmed by ISO in March 2023. |
|  | IS/ISO 6194 (Part 5) : 2008 | Rotary-shaft lip-type seals incorporating elastomeric sealing elements Part 5: Identification of visual imperfections | Base standard was last reviewed and confirmed in 2022. |

*The committee may consider and decide.*

**12.3 Revision pending for 2024-2025**

**12.3.1 Post-2000 standards**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **IS No** | **Title** | **Status** | **Proposed action to be taken** |
|  | IS 10864: 2013 | Metal jacketed gaskets for pipe flanges and heat exchanger flanges - Specification (First Revision) | Printed in July 2024 | NIL |
|  | IS 4253 (Part 1): 2008 | Cork composition sheets - Specification: Part 1 plain cork sheets (Second Revision) | *Pending* | *To be decided by the committee.* |
|  | IS 4253 (Part 2): 2008 | Cork composition sheets - Specification: Part 2 cork and rubber (Second Revision) | *Pending* | *To be decided by the committee.* |
|  | IS 7719: 2013 | Metallic spiral wound gaskets - Specification (First Revision) | Under Publication Stage | NIL |
|  | IS/ISO 6194-1: 2007 | Rotary shaft lip - Type seals incorporating elastomeric sealing elements: Part 1 nominal dimensions and tolerances | *Pending* | *To be decided by the committee.* |

The committee has decided that the standards listed in Sr. No. 2, 3, and 5 are pending review. These standards will be circulated to all members for their review and comments/feedback. Based on this feedback, further decisions will be made in the next committee meeting. Additionally, actions will be updated on the BIS portal for the standards whose development is completed or currently under development.

**12.3.2 Review of A5 and pre-2000 Indian Standards**

The BIS management has decided to revise the old standards which are A5 or pre-2000 and requested the relevant technical committees to take up the revision of the standard. In this regard, the member secretary of the committee was also directed to review the standards at their level and prepare comments in the proforma provided by the management. Further, the proforma along with its details will be put up to the committee for its review and further decision.

As directed by the competent authority Action Research Project was allocated to BIS officers. The details and the reports are attached for the consideration of the Committee.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **IS No** | **ssTitle** | **Status** | **Action to be taken** |
|  | IS 10330: 1982 | Specification for formed asbestos packing rings for high-pressure and high-temperature valves | Printed in August 2024 | NIL |
|  | IS 11149: 1984 | Specification for rubber gaskets | Printed in Oct 2024 | NIL |
|  | IS 14539: 1998 | Insulation mill board - Specification | *Pending* | Under Wide Circulation |
|  | IS 4688: 1968 | Specification for proofed cotton duck gland packing | Printed in Sept 2024 | NIL |
|  | IS 5566: 1970 | Specification for vegetable fibre base jointing material | Printed in July 2024 | NIL |
|  | IS 5569: 1970 | Specification for cork and cellulose base jointing material | Printed in Oct 2024 | NIL |
|  | IS 6210: 1979 | Method of test for stress relaxation of gasket material (First Revision) | Printed in August 2024 | NIL |
|  | IS 7714: 1975 | Method of sealability test for gasket materials | Pending | The draft is under preparation. |
|  | IS 9066: 1979 | Specification for lubricated cotton gland packings | Printed in July 2024 | NIL |

**Item 13 RECOMMENDATION OF THE PLANNING AND DEVELOPMENT ADVISORY COMMITTEE (PDAC) OF BUREAU OF INDIAN STANDARDS**

The Planning and Development Advisory Committee (PDAC) of Bureau of Indian Standards in its 12th meeting decided as follows:

a) Technical Committee should be sensitized for Eco requirements and standards should be formulated considering the environmental aspects.

b) The committee felt that BIS should be proactively involved so as to have greater impact in International Standardization. For this purpose, the key areas are to be identified for formulating standards for new products.

The Committee may please note.

**Item 14 TRANSLATION OF INDIAN STANDARDS FROM ENGLISH TO HINDI**

As per directive issued by ‘Raj Bhasha Vibhag’ to the Bureau “hence forth all new standards (or standards to be revised) are to be published both in Hindi and English simultaneously.”

Whereas a panel for Hindi translation has been identified by Hindi Deptt. of the Bureau however, the members of the technical committees of BIS may undertake translation of Indian standards from English to Hindi. Remuneration of Rs.250/- per A-4 size page (approximately 300 words) is provided for the translation. The members who are interested to do this work of translation can register their name with BIS, details available at: <http://www.bis.org.in/other/EOIHT.htm>

The Committee may please note.

**Item 15 E-SALE OF INDIAN STANDARDS**

The Bureau has made all the indigenous standards free of cost. The adopted standards can be either purchased from the sales office of BIS or through BIS website.

Please follow the link below to **register and download** the indigenous standards:

<https://standardsbis.bsbedge.com/>

Please visit our website [www.bis.org.in](http://www.bis.org.in/) for more details.

The Committee may please note.

**Item 16 DATE AND PLACE FOR THE NEXT MEETING**

The Committee may please consider and decide.

**Annex-1**

**COMPOSITION OF GASKET AND PACKING SECTIONAL COMMITTEE, MED 30**

|  |  |  |
| --- | --- | --- |
| **No. of Meeting** | **Date** | **Place** |
| 22nd | 10-07-2023 | Virtual Mode |
| 23rd | 12-03-2024 | Virtual Mode |
| 24th | 17-09-2024 | Virtual Mode |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl No.** | **Organization Represented** | **Principal Member/**  **Alternate Member** | **22nd** | **23rd** | **24th** | **TOTAL** |
| 1 | Engineers India Ltd, New Delhi | Shri Udayan Chakravarty  (***Chairman***) | Y | Y | Y | 3/3 |
| 2 | Bharat Corrub Industries, Vadodara | Shri B. M. Tolia  Shri S. R. Desai (Alt) | N | N | N | 0/3 |
| 3 | Bharat Heavy Electricals Ltd, Tiruchirapalli | Shri Subrata Ray  Shri R Elayaraja (Alt-1)  Shri S. Subba Rao (Alt-2) | Y | Y | Y | 3/3 |
| 4 | Bharat Petroleum Corporation Ltd, Noida | Shri S. Manivannan | N | N | N | 0/3 |
| 5 | Champion Jointings Pvt Ltd,  Mumbai | Shri Farzad J. Palia  Shri M. S. Dhandekar (Alt) | Y | Y | Y | 3/3 |
| 6 | Crompton Greaves Ltd, Mumbai | Shri P.S. Ramachandran | N | N | N | 0/3 |
| 7 | Defence Research And Development Organization, Research Centre Imarat, Hyderabad | Shri A.K. Mandal  Shri I.S. Das (Alt) | N | N | N | 0/3 |
| 8 | Department of Scientific and Industrial Research, New Delhi | Shri Purushottam Kumar | N | Y | Y | 2/3 |
| 9 | Directorate of Steam Boilers, Mumbai | Shri G.D. Wankhede  Shri S.S Solanke (Alt) | N | Y | Y | 2/3 |
| 10 | Engineers India Limited, New Delhi | Shri Mohammed Ismaeel  Shri G. Balaji (Alt-1)  Ms. Sulakshna Nagnath Hundekari (Alt-2) | Y | Y | Y | 3/3 |
| 11 | Ferolite Jointings (P) Ltd, Ghaziabad | Shri  Akshay Sharma  Shri Pradeep Kumar (Alt) | Y | Y | Y | 3/3 |
| 12 | Gail (India) Ltd, New Delhi | Shri Nitin Nimje  Shri Ashif Tadvi (Alt-1)  Shri Amresh Bedar (Alt-2) | N | N | N | 0/3 |
| 13 | Hindustan Petroleum Corpn. Ltd, Visakhapatnam | Shri Sandipta Nath  Shri Prabhudatta Padarbinda Behera (Alt) | Y | Y | Y | 3/3 |
| 14 | I.G.P. Engineers Pvt Ltd Chennai | Shri G. Ganesan  Shri S Sundar (Alt) | Y | Y | Y | 3/3 |
| 15 | ICAR-National Institute Of Natural Fibre Engineering And Technology, Kolkata | Dr Sanjoy Debnath | Y | Y | Y | 3/3 |
| 16 | Indian Sealing Association, Mumbai | Shri Rasiklal M. Doshi  Shri Darshan A. Parekh (Alt) | Y | N | Y | 2/3 |
| 17 | Indian Valve and Actuator Manufacturers Association (IVAMA), Coimbatore | Shri  Vishal Wakchoure  Shri  R Muruganantham (Alt) | N | Y | Y | 2/3 |
| 18 | L&T-Sargent & Lundy Limited, Vadodara | Shri Manish V. Sane  Shri Pinkesh Patel (Alt) | Y | N | Y | 2/3 |
| 19 | MECON Limited, Ranchi | Shri Gurnek Singh  Shri Sujoy Banerjee | N | N | N | 0/3 |
| 20 | Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade, New Delhi | Shri Shaish Kumar  M.Z. Khan (Alt) | N | N | N | 0/3 |
| 21 | NTPC  Ltd, Noida | Shri U.K. Mukhopadhyay  Shri S. Chakraborty (Alt) | N | N | N | 0/3 |
| 22 | Nu-Cork Products Pvt Ltd, Gurugram | Shri Swapan Kumar Datta | Y | Y | Y | 3/3 |
| 23 | Ordnance Factory Board Jabalpur | Shri Rajnish Lodwal  Shri M.K. Mishra (Alt) | N | N | N | 0/3 |
| 24 | Projects and Development India Ltd. Ghaziabad | Shri Harish Kumar  Shri Jitender Kumar Singh(Alt) | N | Y | Y | 2/3 |
| 25 | RITES, New Delhi | Shri Pankaj Agrawal  Shri Mukesh Sinha (Alt) | Y | Y | Y | 3/3 |
| 27 | Spareage Sealing Solution, Mumbai | Shri Shiva Shinde | N | N | N | 0/3 |
| 28 | Super Waudite Jointings Pvt Ltd, Ahmedabad | Shri Pradeep J. Pandya  Shri C.D. Gazdar (Alt) | N | N | N | 0/3 |
| 29 | Superlite Jointings Pvt  Ghaziabad | Shri Varun Agarwal  Shri Pheru Singh (Alt) | N | Y | Y | 2/3 |
| 30 | Tata Power Company  Ltd, Mumbai | Shri Dhiraj B. Kamath  Shri V.V. Namjoshi (Alt) | N | N | N | 0/3 |
| 31 | Uni Klinger Ltd, Mumbai | Shri Mahesh Avachat | Y | Y | Y | 3/3 |

**Annex-2**

(Item **2.2.2**)

**EXTRACTS ON GUIDELINES FOR PARTICIPATION IN THE TECHNICAL COMMITTEE WORK OF BIS**

|  |
| --- |
| * Where an organization offered representation in BIS work feels that it has limited interests in the scope of activity of a committee it shall communicate so to the committee secretary before accepting the representation. * All organizations represented in a technical work of BIS I shall be conscious of the national role they play in the preparation of standards. They shall nominate the best available ta1.ent for this work and ensure that their nominees are fully briefed, and utilize all opportunity to express their organization’s view point in the Bureau forums. For continuity of participation, it shall be ensured that representatives once nominated are continued as long as possible and changes where inevitable are proceeded smoothly and shall be communicated to Secretary without delay. * Organizations participating in the technical work of the Bureau may also consider initiating wherever possible formal standardization activity within the organization that would amongst other things aid participation and act as permanent liaison with Bureau on all standardization matters and shall coordinate adoption and implementation of national standards. * Organizations 'representing the interests of a group/association/federation may ensure that all constituent members (whose interest he/she represent) are consulted/kept informed of the committee work. * All expenses related to the nominees for participating in this activity are to be borne by the participating organizations. * Authorities nominating representatives as members of Sectional Committee of the Bureau, if they so choose, may nominate two representatives one to be known as the principal and the other as the alternate, subject to the following:   + Generally, one representative shall attend the meeting but if this department or body so desired both the principal and alternate may attend the meeting.   + Only the principal representative shall have the right to vote.   + In the absence of the principal representative, the alternate may exercise the right to vote.   + All documents concerned with the work of the technical committee shall ordinarily be sent to the Principal representative, if both principal and alternate representatives are located at the same station. However, if principal and alternate representatives are from different stations, all documents shall be sent to both the representatives.   + Organizations may, if they so choose, nominate experts by designation instead of by name.   + In exceptional circumstances where a case in made out on the basis of regional representation or representation of special interests within any organization, more than one alternative may be accepted by the officer-in charge of the Division.   + Only the designated Principal/Alternate members can attend Sectional Committee meetings. In case of their absence, their representatives can attend the meetings. However, BIS should be given prior intimation in such cases. In any case, no more than two representatives from one organization can attend the committee meetings. * Comments on documents at any stage, as well as on printed Indian Standards, though are welcome at all times, members are requested to send them well in advance for inclusion in the agenda in order to consider them in the meeting. Comments received very late or brought along for tabling during the meeting will be liable not to be considered as other members have not had the opportunity to deliberate within their organization on these comments and form their viewpoint and are unable to put forth their views at a short notice. * In case there is continual failure to contribute either through correspondence or by attending meetings for a period of three years/three technical Committee meetings by the members, the membership of such organizations will be recommended for withdrawal. |

**Annex-3**

**PROFORMA FOR PROPOSING NEW SUBJECTS FOR NATIONAL STANDARDIZATION**

|  |  |  |
| --- | --- | --- |
| 1 | Proposer Name & Complete Contact Details including Phone no and Email ID. |  |
| 2 | Proposed Title of the standard (*Indicate whether the standard required is for product specification/methods of test/code of practice and define*  *the subject in brief* |  |
| 3 | Scope of the proposed standard *(Define the limits to be considered)* |  |
| 4 | Purpose and Justification |  |
| 5 | Likely users of standards and their inputs |  |
| 6 | Any related standard/series of standard/system standard required to make this subject standard complete |  |
| 7 | When the final Standard would be required *( any time limit)* |  |
| 8 | Any specific problem being faced without this standard |  |
| 9 | Bearing with Govt legislation regulation, etc |  |
| 10 | Name and address of manufacturers/implementing  industries/purchasing organization/component supplier/raw material supplier, if any |  |
| 11 | Status of the industry in the country |  |
| 12 | Availability of test facilities in the country |  |
| 13 | Whether related to variety reduction, export, health, safety consumer protection, mass consumption, energy conservation, technology transfer, technology upgradation, protection of environment & other  National priorities. |  |
| 14 | Whether subject requires consideration to be given to women/ girl issues in line with Sustainable Goal 5 of the UN.  If so, whether the issues are proposed to be addressed suitably in the proposed standard. |  |
| 15 | Relevant supportive document/*other national/international standards, company standard, technical & research papers, etc* if any *(Please give reference or attach a copy)* |  |
| 16 | R&D work done in India |  |
| 17 | Any foreign collaboration (give details) |  |
| 18 | Liaison with any organisation(s) |  |
| 19 | Preparatory work:   1. whether draft attached 2. whether outline attached and draft can be prepared 3. no draft possible, if so, why ? |  |
| 20 | Whether this project can be funded by your organization or can it be sponsored by industry/ association/professional bodies/ministry? If yes, to what extent? |  |
| 21 | Whether your organisation would be interested to opt for BIS Standard Mark once the standard is published? |  |

Dated: Signature:

Note:

1. *It is desirable that information is provided by the proposer for all items of the proforma; in any case information against item 1 to 5 must be provided.*
2. *Write `NA' wherever not applicable.*
3. *Add separate sheet to elaborate.*

***Filled-in form may be mailed to scgt[at]bis[dot]gov[dot]in***