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**भारतीय मानक ब्यूरो**

**BUREAU OF INDIAN STANDARDS**

**AGENDA**

Committee	Date & Day	Time
<b>13<sup>th</sup> Meeting of Mechanical Equipment Used in Refueling Stations for Petroleum and Gaseous Fuel Sectional Committee, MED 38 through Webex</b>	<b>26 September 2024 (Thursday)</b>	<b>11: 00 hrs</b>

**Meeting Link:**

<https://bismanak.webex.com/bismanak/j.php?MTID=m1bf9f7e1ad56283f8bf42227921b1e98>

**Meeting ID:** 2512 795 6951

**Meeting Password:** **MED@123**

**CHAIRPERSON:** Shri P. Kumar, Jt. Chief Controller of Explosives and HOD, Petroleum and Explosives Safety Organisation, Nagpur

**MEMBER SECRETARY:** Ms Ankita Vidhyarthi, Scientist 'D'/Joint Director, Bureau of Indian Standards, New Delhi

**ITEM 0 WELCOME AND OPENING REMARKS**

**0.1** Welcome & Opening remarks by Head (Mechanical Engineering Department)

**0.2** Welcome & Opening remarks by Chairperson, MED 38

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

The Minutes of the 12<sup>th</sup> Meeting of Mechanical Equipment Used in Refueling Stations for Petroleum and Gaseous Fuel Sectional Committee, MED 38, held on 27 June 2024 via virtual mode (Webex) were circulated to members vide letter having Ref: MED 38/A-2.12, dated 09 Sep 2024.

No comments have been received.

*The Committee may CONFIRM the minutes of the last meeting.*

## ITEM 2 SCOPE AND COMPOSITION OF THE SECTIONAL COMMITTEE

### 2.1 Scope

Formulation of standards in the field of mechanical equipment used in refueling stations for petroleum and gaseous fuels.

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

### 2.2 Composition of the Committee

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

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

*The committee may NOTE.*

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

**2.2.3** The present composition of the Mechanical Equipment used in Refueling Stations for Petroleum and Gaseous Fuel Sectional Committee, MED 38 is given in **Annex-A**. The list also shows the attendance of the members in the last three consecutive meetings.

*The committee may REVIEW and SUGGEST any addition/deletion/modification.*

### 2.3 Co-options & Revised Nominations

No new co-option request has been received. The committee may NOTE.

## ITEM 3 ROLLING ANNUAL ACTION PLAN FOR THE YEAR 2024-25

**3.1** Proposed meeting Calendar for FY 2024-25 is as follows:

Committee	Q1 2024-25	Q2 2024-25	Q3 2024-25	Q4 2024-25
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	June	September	November	February
MED 38	June 27 , 2024 Thursday	September 26, 2024 Thursday	November 28 , 2024 Thursday	February 20 , 2025 Thursday

*The Committee may NOTE*

### 3.2 Rolling Action Plan 2024-2025

No published Indian standard is pending for review this year under a five year review plan.

However, New Work Item Proposals (NWIPs) which are to be reviewed for the current year and carried forward from previous year are listed as below.

SI No.	NWIP subject
1)	Petrol filling stations -Safety requirements for construction and performance of metering pumps dispensers and remote pumping units
2)	Petrol filling stations - Construction and performance of automatic nozzles for use on fuel dispensers
3)	Natural gas fuelling stations — CNG stations for fuelling vehicles
4)	Natural gas fuelling stations — LNG stations for fuelling vehicles
5)	ISO 12617 Road vehicles — Liquefied natural gas (LNG) refuelling connector — 3,1 MPa connector

### 3.3 Standards National Action Plan (SNAP) 2022-2027

[SNAP BOOK 2022-2027](#)

Sector	Field	Subject	Priority
Machinery, Manufacturing, Engineering	Fuel related products	Green Energy generation and storage related equipment	Medium

*The Committee may note and identify/suggest the subject areas relevant to the scope of this Committee and decide.*

### ITEM 4 ACTIONS ARISING OUT OF THE PREVIOUS MEETINGS

SI No	Background	Committee decision during 10 <sup>th</sup> Meeting	Committee decision during the 12 <sup>th</sup> meeting	Present Status
1)	Shri Rakesh Chaurasia of M/s Intertek agreed to provide the draft based on EN 13617-1:2021 within 4 weeks in consultation with the Panel members.  Draft was received from Sh. Rakesh Chaurasia vide email dated 02 September 2022 <a href="#">BS EN 13617-RAKESH_CHAURASIA_DR AFT_SEP_2022</a>	The committee deliberated and decided that the panel meeting may be held in the next two to three weeks for final deliberation for the Preliminary draft (P-draft) based on EN 13617-1.	The committee decided to reconstitute the panel as – a) Shri Sujit Koli of M/s Gilbarco Veeder Root India Pvt Ltd. (Convener) b) Shri Rakesh Chaurasia of M/s Intertek India Pvt Ltd (Co-Convener) c) Shri D.H.V Anand of M/s HPCL	Draft awaited from the Panel.

	<p>and was circulated to the Committee vide email dated 25 May 2023 for comments.</p> <p>Following comment was received from Dover India Private Limited (OPW Division), Thane vide email dated 25 May 2023:  <a href="#">Email DOVER INDIA-COMMENT 25 MAY 2023.pdf</a></p>	<p>Shri Sujit Koli of M/s Gilbarco Veeder Root India Pvt Ltd. (Convener) agreed to provide the panel meeting date, place and time to the Member Secretary.</p> <p>Also, it was decided that a comment from Dover India Private Limited (OPW Division), Thane will be put up to the panel in the meeting.</p>	<p>d) Jojoy Sebastian of M/s BPCL  e) Shri Ajai Kumar Gupta of M/s Nayara Energy Ltd (Formerly Essar Oil)  f) Shri Ravi Paranjpe of M/s Karamdikar Lab  g) Mr. Ajay Deshpande M/s Tokheim India Pvt. Ltd  h) Shri Srinivasa Rao Keta of PESO  i) Shri Dattatraya Dadapure of M/s Tatsuno India Pvt. Ltd.  j) Shri Sanjay Khanna from Dover India ltd.</p>	
	<p><b>Earlier</b></p> <p>The Committee reviewed the status and requested Shri Rakesh to provide the draft based on EN 13617-1:2012. The Committee was of the view that documents under formulation by this Panel can be subsequently reviewed and revised based on revised EN 13617-1. Shri Rakesh agreed to provide the draft based on EN 13617-1:2012 in consultation with the following Panel members with in 45 days:</p> <p>a) Shri Sujit Koli of M/s Gilbarco Veeder Root India Pvt Ltd. (Convener)  b) Shri Rakesh Chaurasia of M/s Intertek India Pvt Ltd (Co-Convener)  c) Shri R. Murali Mohan of M/s HPCL  d) Shri Kapil Niranjana of M/s BPCL  e) Shri Ajai Kumar Gupta of M/s Nayara Energy Ltd (Formerly Essar Oil)  f) Shri Ravi Paranjpe of M/s Karamdikar Lab  g) A representative of M/s Tokheim India Pvt. Ltd  h) Shri Srinivasa Rao Keta of PESO  i) Shri Dattatraya Dadapure of M/s Tatsuno India Pvt. Ltd.  j) A representative of BIS</p> <p>The Committee further decided that the panel may consider to include the ‘vapour recovery requirements’ as per EN 16321 (Part 1 &amp; 2) in this draft.  The draft was to be circulated to the Committee members for their comments for 30 days.</p>			
2)	<p>The Committee reconstituted the existing panel to provide the draft based on ISO 16923:2016 ‘Natural gas fuelling stations -- CNG stations for fuelling vehicles.</p>	<p>The Committee decided that the comments can be disposed off through the panel meeting.</p>	<p>The committee reconstituted the panel as –  a) Shri Ashok Anand, M/s Tulsa Gas</p>	<p>Draft awaited from the Panel</p>

<p>Comments on the draft were received from the following panel members:</p> <p>a) Shri Ashok Anand, M/s Tulsa Gas Technologies India PVT. LTD. vide email dated 01 August 2022. <a href="#">Email_Ashok_Anand_TULSA_AUG_2022_COMMENTS.pdf</a> <a href="#">TGT comments IS 16923 Draft for BIS.docx</a></p> <p>b) M/s Gujarat Gas Company Ltd. vide email dated 23 August 2022. <a href="#">Email_GGL_RAVI_KR_COMMENT_23_AUG_2022.pdf</a> <a href="#">GGL_Comments_ISO 16923</a></p> <p>c) M/s Compac Industries India Ltd. vide email dated 19 August 2022. <a href="#">Email_COMPAC_COMMENT_19_AUG_2022.pdf</a> <a href="#">COMPAC_Comments</a></p> <p>During the meeting, representatives of the Panel informed the Committee that a week's time may be given to examine the ISO 16923:2016 and existing regulations and to provide suggestions for the modification as per Indian conditions and regulations.</p> <p>The comments received to be referred to the existing Panel for its disposal and further recommendation.</p>		<p>b) Shri Yashpal Soni of M/s MGL</p> <p>c) Shri Ravi Kumar Ravipalli of M/s Gujarat Gas</p> <p>d) Shri Ravi Paranjpe of M/s Karamdikar Lab</p> <p>e) Shri Surendra Kaul of M/s Compac Industries India Ltd.</p> <p>f) Shri Rakesh Chaurasia of M/s Intertek India Pvt Ltd</p> <p>g) Shri Dattatraya Dadapure of M/s Tatsuno India Pvt. Ltd.</p> <p>h) Shri Praveen Nilekar of KPCL.</p> <p>i) A representative of M/s Atlas Copco*</p> <p>j) A representative of M/s EKC</p> <p>k) Shri Srinivasa Rao Keta of PESO</p> <p>Contact details of representatives from M/S Atlas Copco and M/s EKC was provided by Shri Ravi Ravipalli during the meeting.</p>	
<p><b>Background</b></p> <p>The recommendation of the Panel meeting dated 01/08/2022 is placed below (Agenda and draft minutes of the meeting). <a href="#">AGENDA_10TH_MEETING_MED_38.docx</a> <a href="#">MINUTES_10TH_MEETING_MED_38.docx</a></p> <p>The Committee may consider and decide further action.</p> <p><b>Earlier</b></p> <p>The Committee reconstituted the existing panel to provide the draft based on ISO 16923:2016 'Natural gas fuelling stations -- CNG stations for fuelling vehicles':</p> <p>a) Shri Ashok Anand, M/s Tulsa Gas, b) Shri Ujwal Bhandari, M/s IGL, c) Shri Ashish Bajaj of M/s MGL d) Shri Ravi Kumar Ravipalli of M/s Gujarat Gas e) Shri Ravi Paranjpe of M/s Karamdikar Lab</p>			

	<p>f) Shri Surendra Kaul of M/s Compac Industries India Ltd.</p> <p>g) Shri Rakesh Chaurasia of M/s Intertek India Pvt Ltd</p> <p>h) Shri Dattatraya Dadapure of M/s Tatsuno India Pvt. Ltd.</p> <p>i) A representative of M/s Atlas Copco*</p> <p>j) A representative of M/s EKC</p> <p>f) Shri Srinivasa Rao Keta of PESO</p> <p>g) Representative of BIS</p> <p>*Shri Ashok Anand agreed to provide the contact details</p>			
3)	<p>Substitution of referred standards with Indian Standards as applicable in the draft based on ISO 16924 was done and National Foreword was prepared.</p> <p><a href="#">Copy of 20240508 IS-ISO 16924-NF_ARIF_DRAFT_01.docx</a></p> <p>The draft which was provided by Convener of the panel was circulated to the Committee vide email dated 27 July 2022, and is attached below for reference.</p> <p><a href="#">Email 16924_CIRCULATION MAIL 2022.pdf</a></p> <p><a href="#">BS EN ISO 16924-2018 (1).docx</a></p> <p>The Committee was informed by MS that in the changes proposed by the convener of the draft; there are still many changes to be made. It was proposed that the draft should be made not equivalent to ISO 16924. The Committee agreed to this proposal. The Committee further decided that adopted ISO/IEC shall be substituted by the member secretary (as applicable) and the modified draft to be substituted to the Panel for their examination and comment.</p> <p>The Committee reconstituted the following Panel to examine the draft provided by the member secretary and to provide its recommendation for its wide circulation:</p> <p>a) Shri Deepak Acharya of M/s INOX India Pvt Ltd (<b>Convener</b>)</p> <p>b) Shri Rakesh Chaurasia of M/s Intertek India Pvt Ltd</p>	<p>The Committee decided that the final P-draft incorporating National foreword &amp; draft and also information on clause-wise deviations from the ISO Standard as provided by Convener, can be circulated to the Committee for examination and comments.</p>	<p>The committee agreed that the final P-draft may be circulated by MS to the panel and then to the committee and may be discussed during the next committee meeting for examination and comments.</p> <p>Shri Nitin Jansari of M/s Inox India Ltd. Agreed to provide the contact details of M/s H energy for inviting in the panel..</p>	<p>Draft and the modification document will be circulated shortly as an addendum to the Agenda.</p>

	<p>c) Shri Ujwal Bhandari of M/s Indraprastha Gas Ltd  d) Shri Ashish Bajaj of M/s Mahanagar Gas Ltd  e) Shri Ravi Kumar Ravipalli of M/s Gujarat Gas  f) A representative of M/s VRV*  g) A representative of M/s H- Energy*  h) A representative of M/s IOCL Nasik  i) Shri Anil Kumar Patel M/s Petronet LNG  j) A representative of M/s Cryogas Industries*  k) Shri Srinivasa Rao Keta of PESO  l) Shri Sanjay Khanna of M/s Dover India Pvt Ltd  m) Shri Ashok Anand  *Shri Deepak Acharya during the meeting agreed to provide the contacts details</p>			
	<p><b><u>Background</u></b>  The draft received from the Convener was circulated to the Panel.  No comment has been received from the Panel and Committee members.</p> <p><b><u>Earlier</u></b>  During the last meeting, Shri Deepak Acharya in detail explained the major changes done in the draft considering Indian conditions. Member secretary appraised the Committee that as such with these changes, ISO 16924 can not be adopted and modified adoption is to be done indicating the clause wise deviation from ISO standard along with justification in the national foreword.  The Committee requested members secretary to prepare the national foreword of ISO 16924 and circulate to the Panel members for their comments for 30 days. The Panel to make suitable recommendations to the Committee for wide circulation of the draft.</p> <p>The Committee noted the information as given in the agenda.</p>			
4)	<p>The Convener of the Panel agreed to provide the draft based on ISO 12617 in consultation with the Panel members.</p> <p>Reminder for draft has been sent to Shri Deepak Acharya of M/s INOX India Pvt Ltd, Convener of the Panel vide email dated 26 May 2023.</p>	Draft is awaited.	Sh Nitin Jansari of M/s Inox India Ltd. Provided the contact details of M/s VRV, M/s Cryogas Industries. Contact details of M/s H energy and M/s Rego LNG products are to be provided by Sh Jansari for inviting them in the	Draft awaited from the Panel.

			panel. He was informed of holding the meeting with M/s Rego LNG products first and then circulating the draft in the panel for discussion.	
	<p><b>Background</b> Draft is awaited from the Panel.</p> <p><b>Earlier</b></p> <p>The Committee requested the Panel to expedite and provide the draft based on ISO 12617.</p> <p>The Committee reconstituted the following panel to review and to provide the draft based on ISO 12617:2015 ‘Road vehicles — Liquefied natural gas (LNG) refuelling connector — 3,1 MPa connector’ (considering applicable Rules/Regulation):</p> <p>a) Shri Deepak Acharya of M/s INOX India Pvt Ltd (Convener)  b) Shri Rakesh Chaurasia of M/s Intertek India Pvt Ltd  c) Shri Ujwal Bhandari of M/s Indraprastha Gas Ltd  d) Shri Ashish Bajaj of M/s Mahanagar Gas Ltd  e) Shri Ravi Kumar Ravipalli of M/s Gujarat Gas  f) A representative of M/s VRV*  g) A representative of M/s H- Energy*  h) A representative of M/s IOCL Nasik  i) Shri Anil Kumar Patel M/s Petronet LNG  j) A representative of M/s Cryogas Industries*  k) Shri Srinivasa Rao Keta of PESO  l) A representative of M/s Rego LNG products  *Shri Deepak Acharya during the meeting agreed to provide the contacts details</p> <p>The panel agreed to provide the draft within 06 weeks.</p> <p>Draft received from the panel to be circulated to the Committee members.</p>			
5)	Shri Rakesh Chaurasia of M/s Intertek agreed to provide the draft based on revised EN 13012.  Draft is awaited.	Shri Sujit Koli of M/s Gilbarco Veeder Root India Pvt Ltd. (Co-Convener) was present during the meeting. He agreed to conduct the panel meeting along with panel meeting for EN 13617-1 as the composition of the panel is the same,	Shri Rakesh Chaurasia of M/s Intertek informed of providing the draft within 4 weeks.	Draft awaited from the Panel.



	vide Item 2, Sl No. 1.		
<b>Background</b> Draft is awaited.			
<b>Earlier</b> During the 09th meeting, Shri Rakesh Chaurasia of M/s Intertek informed the Committee that a revised version of EN 13012 is yet under publication. The Committee reviewed the status and requested the Shri Rakesh to provide the draft based on EN 13012 ‘Petrol filling stations. Construction and performance of automatic nozzles for use on fuel dispensers’. The Committee was of the view that documents under formulation by this Panel can be subsequently reviewed and revised based on revised EN 13012. Shri Rakesh agreed to provide the draft in consultation with the following Panel members within 45 days: a) Shri Rakesh Chaurasia of M/s Intertek India Pvt Ltd (Convener) b) Shri Sujit Koli of M/s Gilbarco Veeder Root India Pvt Ltd. (Co-Convener) c) Shri R. Murali Mohan of M/s HPCL d) Shri Kapil Niranjana of M/s BPCL e) Shri Ajai Kumar Gupta of M/s Nayara Energy Ltd (Formerly Essar Oil) f) Shri Ravi Paranjpe of M/s Karamdikar Lab g) A representative of M/s Tokheim India Pvt. Ltd h) Shri Srinivasa Rao Keta of PESO i) Shri Dattatraya Dadapure of M/s Tatsuno India Pvt. Ltd. j) A representative of BIS The draft was to be circulated to the Committee members for their comments for 30 days.			

## ITEM 6 Programme of Work

The Total number of published standards in MED 38 is seven (07).

 **POW\_MED 38\_SEP 2024.pdf**

*The Committee may NOTE.*

## ITEM 7 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.

*The Committee members may SUGGEST important journals and magazines that may benefit this committee.*

## ITEM 8 DATE AND PLACE FOR THE NEXT MEETING

The Committee may *see* Item No. 3.1.

**ITEM 9 ANY OTHER BUSINESS**

*The Committee may DECIDE.*

**ANNEX-A**

(See Clause 2.2.3)

**COMPOSITION OF MECHANICAL EQUIPMENT USED IN REFUELING STATIONS FOR PETROLEUM AND GASEOUS FUEL SECTIONAL COMMITTEE, MED 38**

12 <sup>th</sup>	27 June 2024	Webex Online
11 <sup>th</sup>	26 Sep 2023	Webex Online
10 <sup>th</sup>	16 Jun 2023	Webex Online

Sl No.	Organisation Represented	Principal Member/Alternate Member	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>	Total
1)	Petroleum & Explosives Safety Organisation, Nagpur	Shri P. Kumar	Y	Y	N	2/3
2)	Bharat Petroleum Corpn Ltd, Mumbai	Shri Ravikumar CV Shri Jojoy Sebastian (Alt)	Y	Y	Y	3/3
3)	Compac Industries India Ltd, New Delhi	Shri Varun Sethi Shri Surendra Kaul (Alt)	N	Y	Y	2/3
4)	Dover India Pvt Limited (Opw Division), Thane	Shri Uttam Save Shri Ajay Deshpande (Alt 1) Shri Sanjay Khanna (Alt 2)	Y	Y	Y	3/3
5)	Gilbarco Veeder-Root India Pvt. Ltd, Mumbai	Shri Rajiv Shankar Pathiyil Mrs Sushma Prabhudesai (Alt) Shri Sandeep Salvi (Representative)	Y	N	Y	2/3
6)	Gujarat Gas Company Ltd, Ahmedabad	Shri Dharmesh Sailor	N	Y	Y	2/3

		Shri Ravi Ravipalli (Alt)				
7)	Hindustan Petroleum Corporation Ltd, Mumbai	Shri D. H. V. Anand	Y	Y	Y	3/3
8)	Indian Oil Corporation (R&D Centre), Faridabad	Shri Atul Goel (Alt) Shri Umish Srivastava Shri Sachin Chugh (Alt 1) Shri Amit Katiyar (Young Professional)	Y	Y	Y	3/3
9)	Inox India Limited, Vadodara	Shri Deepak V. Acharya Shri Nitin Jansari (Alt)	N	Y	Y	2/3
10)	Intertek India Pvt Ltd, Gurugram	Shri Rakesh Chaurasia	N	Y	Y	2/3
11)	Karandikar Laboratories Pvt Ltd, Mumbai	Shri Ajit Vasudev Karandikar Shri Ravindra Keshav Paranjpe (Alt)	N	Y	Y	2/3
12)	Mahanagar Gas Limited, Mumbai	Shri Bhattiprolu Ram Sudheer Shri Yashpal Soni (Alt)	Y	Y	Y	3/3
13)	Nayara Energy Ltd (Formerly Essar Oil Ltd), Mumbai	Shri Ajai Kumar Gupta Shri Karshan N. Kandoria (Alt) Shri Kamlesh Domadiya (Young Professional)	Y	Y	N	2/3
14)	Petroleum and Explosives Safety Organisation, Nagpur	Shri V. B. Borgaonkar Shri Srinivasa Rao Keta (Alt)	Y	Y	N	2/3
15)	Petronet LNG Ltd, New Delhi	Shri Yogananda Reddy Shri Anil Kumar Patel (Alt)	Y	N	N	1/3
16)	Reliance India Limited, Mumbai	Shri Prerak Shah Shri Sanjay Pandita (Alt) Shri Pramod Sahu (Representative)	N	N	Y	1/3
17)	Tulsa Gas Technologies India Private Limited, New Delhi	Shri Ashok Anand	N	Y	Y	2/3

**INVITEE**

	Organisation Name	Member Name	Email ID	Mobile
18)	Tatsuno India Pvt Ltd, Raigad, Maharashtra	Shri Dattatraya Dadapure (Product Delivery Manager)	dattatraya.dadapure@tatsuno.co.in	9987544731

19)	Kirloskar Pneumatic Co. Ltd., Pune	Shri Pravin Nilekar ( DGM , Head-PGS Design and Development)	pravin.nilekar@kirloskar.com	9011020067
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