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भारतीय मानक ब्यूरो

BUREAU OF INDIAN STANDARDS

AGENDA

Committee	Date & Day	Time
14th Meeting of Mechanical Equipment Used in Refueling Stations for Petroleum and Gaseous Fuel Sectional Committee, MED 38 through Webex	18 December 2024 (Wednesday)	11:00 hrs

Meeting Link: <https://bismanak.webex.com/bismanak/j.php?MTID=maced8c9dbbcaa254149aa8a510300385>

Meeting ID: 2515 163 8287

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 13th Meeting of Mechanical Equipment Used in Refueling Stations for Petroleum and Gaseous Fuel Sectional Committee, MED 38, held on 26 September 2024 via virtual mode (Webex) were circulated to members vide letter having Ref: MED 38/A-2.13, dated 04 December 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
	12th Meeting	13th Meeting	14th Meeting	15th Meeting
	June	September	December	February
MED 38	June 27 , 2024 Thursday	September 26, 2024 Thursday	December 18 , 2024 Wednesday	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.	Committee Decisions during 12 th Meeting	Committee Decisions during the 13 th Meeting	Present Status
1)	The Committee agreed that the final P-draft may be circulated	The Committee agreed that the final P-draft may	Draft and the modification document was circulated to the panel by MS on 25th

Sl No.	Committee Decisions during 12 th Meeting	Committee Decisions during the 13 th Meeting	Present Status
	<p>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>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>September 2024. No comments were received from the panel.</p> <p> [MED 38] Actions taken item of 13...</p> <p>The national foreword along with deviations is attached herein.</p> <p> Copy of 20241212_IS-ISO 16924-...</p> <p> ISO 16924_2016 NON WATER M...</p> <p>The committee may DELIBERATE and DECIDE.</p>
<p><u>Background</u></p> <p>During the previous meetings, 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.</p> <p>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> <p>The Draft received from the Convener was circulated to the Panel.</p> <p>No Comment has been received from the Panel and Committee Members.</p> <p>Substitution of referred standards with Indian Standards as applicable in the draft based on ISO 16924 was done and National Foreword was prepared. Copy of 20240508_IS-ISO 16924-NF_ARIF_DRAFT_01.docx</p> <p>The draft which was provided by the Convener of the panel was circulated to the Committee vide email dated 27 July 2022, and is attached below for reference. Email_16924_CIRCULATION MAIL 2022.pdf BS EN ISO 16924-2018 (1).docx</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.</p> <p>It was proposed that the draft should be made not equivalent to ISO 16924. The Committee agreed to this proposal.</p> <p>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>			

Sl No.	Committee Decisions during 12 th Meeting	Committee Decisions during the 13 th Meeting	Present Status
	<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> <ul style="list-style-type: none"> a) Shri Deepak Acharya of M/s INOX India Pvt Ltd (<i>Convener</i>) 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) Shri Sanjay Khanna of M/s Dover India Pvt Ltd m) Shri Ashok Anand <p>*Shri Deepak Acharya during the meeting agreed to provide the contact details.</p> <p>The Committee decided that the final P-draft incorporating National Foreword & 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>		

Note: This section contains actions pertaining to Natural gas fuelling stations — LNG stations for fuelling vehicles. The previous work items (Item 4.1, Sl No. 1,2,4 & 5 of the 13th Committee meeting)* will be discussed in the next Committee meeting (12th meeting), as consulted with the Chairperson.

4.2 Standards Under Development

There is NO Standard document Under Development.

The Committee may NOTE.

4.3 Standards Under Publication

There is NO Standard document Under Publication.

The Committee may NOTE.

ITEM 5 PROGRAMME OF WORK

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

[POW_MED 38_DEC_2024.pdf](#)

The Committee may NOTE.

ITEM 6 COMMENTS ON PUBLISHED/DRAFT INDIAN STANDARD

There are no comments received for the published/draft Indian standard.

The Committee may NOTE.

ITEM 7 REVIEW OF PUBLISHED INDIAN STANDARD

Status of Review/Re-affirmation of standards in 2024-25.

There is no due standard in 2024-25.

The Committee may DECIDE.

ITEM 8 INTERNATIONAL ACTIVITIES

8.1 India has membership on ISO committees as listed below, related to **MED 38**. Being a **P-member**, it is obligatory for India to vote on all the documents. The documents received from time to time are being sent to committee members for comments and voting is done accordingly.

Liaison:

ISO/TC 340 - Natural gas fuelling stations - Participating (**P-Member**)

ISO/TC 67 - Oil and gas industries including lower carbon energy - Observer (**O-Member**)

8.2 Standards Published by ISO Committee- ISO/TC 340 Natural Gas Fuelling Stations

Published ISO Standards	2
ISO standards Under Development	2
Participating Members	20
Observing Members	17

8.3 Standards Published by ISO Committee ISO/TC 340 Natural Gas Fuelling Stations

2 Total ISO Standards	0 Latest version of ISO adopted	0 Older version of ISO adopted
2 ISO standards not adopted	0 Indigenously developed Standards	0 Amendment issued by ISO, not adopted

8.4 The list of active various working group working under ISO/TC 340 in liaison with MED 38 Sectional Committee is as under:

Reference	Title	Type
ISO/TC 340	Natural Gas Fuelling Stations (P-Member)	Committee
ISO/TC 340/WG 1	CNG fuelling stations	Working group
ISO/TC 340/WG 2	LNG fuelling stations	Working group

<https://www.iso.org/committee/9078367.html#>

The Committee may NOTE.

8.5 Working Groups under ISO/TC 340 and members nominated from India

The Committee had decided to formulate internal Working Groups under MED 38 corresponding to ISO Working Groups with the objective to have a discussion group for deliberating on ISO draft standards and ballots. The members mentioned below expressed their interest to be part of the Working Groups. Nominations of the Working Groups are open and as decided in the committee, internal Working Groups structure are being circulated to all committee members to suggest more names for inclusion in the Working Groups.

SI No.	WG	Project Number	Project Title	Participation by	Internal Working Group
1)					

Presently **No** Working Groups made in MED 38.

The Committee may NOTE.

8.6 Published Standards by ISO/TC 340 Natural Gas Fuelling Stations

Standards and/or projects under the direct responsibility of ISO/TC 340 Secretariat. Below the list of Published Standards by ISO/TC 340 Natural Gas Fuelling Stations Committee:

SI No.	Standard No.	Standard Title	Status of Adoption as Indian Standard
1)	ISO 16923:2016	Natural gas fuelling stations — CNG stations for fuelling vehicles	Not Adopted
2)	ISO 16924:2016	Natural gas fuelling stations — LNG stations for fuelling vehicles	Not Adopted

The Committee may NOTE.

8.7 Under Development Standards of ISO/TC 340 Natural Gas Fuelling Stations

SI No.	Standard No. & Title	Remarks
1)	ISO/DIS 16923 Natural gas fuelling stations — CNG stations for	

	fuelling vehicles	
2)	ISO/DIS 16924 Natural gas fuelling stations — LNG stations for fuelling vehicles	

8.8 Open (Active) ISO Ballots As On Date

8.8.1 Open ballots in ISO/TC 340 Natural Gas Fuelling Stations Committee till now:

There are **No** open ballots for ISO/TC 340 Natural Gas Fuelling Stations.

The Committee may NOTE.

ITEM 9 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 10 SELECTIONS OF SUBJECTS

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

- i) Whether the subject is financed by the proposer;
- ii) Sale ability of the standard;
- iii) Standards shall be user friendly;and
- iv) Social needs with regards to safety, health and environment.

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

[w ANNEX-B.docx](#)

The Committee may NOTE.

ITEM 11 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 has 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 NOTE.

ITEM 12 TRANSLATION OF INDIAN STANDARDS FROM ENGLISH TO HINDI

As per directive issued by 'Raj Bhasha Vibhag' to the Bureau "henceforth 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 NOTE.

ITEM 13 E-SALE OF INDIAN STANDARDS

The Bureau has recently started online sales of Indian Standards. This will help the customer to procure Indian Standards through the internet without facing the hassles of going to the sales office of BIS to purchase Indian Standard or to get the standard by post. Please visit our website www.bis.org.in for details.

The Committee may NOTE.

ITEM 14 IDENTIFICATION AND INVOLVEMENT OF TALENT AVAILABLE IN THE COUNTRY RELATED TO THE SUBJECT DEALT BY THE COMMITTEE AND METHODOLOGY TO INVOLVE THEM IN THE PROCEEDINGS OF THE COMMITTEE

Creation of a pool of experts.

The Committee may NOTE.

ITEM 15 FUTURE PLANS AND STRATEGIES TO BE ADOPTED BY THE COMMITTEE DURING THE NEXT 3 YEARS AIMING AT THE CONTRIBUTION IN RELATED STANDARDIZATION ACTIVITY AT NATIONAL AND INTERNATIONAL LEVEL.

The Committee may DISCUSS and DECIDE.

ITEM 16 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:

- a) Strengthening the use of standards and technical regulations as powerful tools to attain SDG 5 (Achieve Gender Equality and Empower all Women and Girls);
- b) Integrating a gender lens in the development of both standards and technical regulations; and
- c) Elaborating gender indicators and criteria that could be used in standards development.

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

- a) Gender-responsive standards;

- b) Gender balance at all levels in all Committees including leadership positions; and
- c) Enhanced expertise to create and deliver gender inclusivity.

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

ITEM 17 ACCESSIBILITY

A Request was received from the Department of Empowerment of Persons with Disabilities, Government of India to include additional requirements in the relevant Indian standards that will help/assist the specially-abled person under the Accessible India Campaign (AIC).

The Committee may NOTE.

ITEM 18 DATE AND PLACE FOR THE NEXT MEETING

Please see the SI No. **3.1**.

The Committee may NOTE.

ITEM 19 ANY OTHER BUSINESS

There being no other business, the meeting ended with a vote of thanks to the Chair and the Members.

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

Meeting No.	Date	Place
13 th	26 September 2024	Webex Online
12 th	27 June 2024	Webex Online
11 th	26 September 2023	Webex Online

Sl No.	Organisation Represented	Principal Member/Alternate Member	11 th	12 th	13 th	Total
1)	Petroleum & Explosives Safety Organisation, Nagpur	Shri P. Kumar	Y	N	Y	2/3
2)	Bharat Petroleum Corpn Ltd, Mumbai	Shri Ravikumar CV Shri Jojy Sebastian (Alt)	Y	Y	Y	3/3
3)	Compac Industries India Ltd, New Delhi	Shri Varun Sethi Shri Surendra Kaul (Alt)	Y	Y	Y	3/3
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)	N	Y	Y	2/3
6)	Gujarat Gas Company Ltd, Ahmedabad	Shri Dharmesh Sailor Shri Ravi Ravipalli (Alt)	Y	Y	Y	3/3
7)	Hindustan Petroleum Corporation Ltd, Mumbai	Shri D. H. V. Anand Shri Atul Goel (Alt)	Y	Y	Y	3/3

8)	Indian Oil Corporation (R&D Centre), Faridabad	Shri Umish Srivastava Shri Sachin Chugh (Alt 1) Shri Amit Katiyar (Young Professional)	Y	Y	N	2/3
9)	Inox India Limited, Vadodara	Shri Deepak V. Acharya Shri Nitin Jansari (Alt)	Y	Y	Y	3/3
10)	Intertek India Pvt Ltd, Gurugram	Shri Rakesh Chaurasia	Y	Y	Y	3/3
11)	Karandikar Laboratories Pvt Ltd, Mumbai	Shri Ajit Vasudev Karandikar Shri Ravindra Keshav Paranjpe (Alt)	Y	Y	Y	3/3
12)	Mahanagar Gas Limited, Mumbai	Shri Bhattiprolu Ram Sudheer Shri Yashpal Soni (Alt)	Y	Y	N	2/3
13)	Nayara Energy Ltd (Formerly Essar Oil Ltd), Mumbai	Shri Ajai Kumar Gupta Shri Karshan N. Kandoria (Alt) Shri Kamlesh Domadiya (Young Professional)	Y	N	N	1/3
14)	Petroleum and Explosives Safety Organisation, Nagpur	Shri V. B. Borgaonkar Shri Srinivasa Rao Keta (Alt)	Y	Y	Y	3/3
15)	Petronet LNG Ltd, New Delhi	Shri Yogananda Reddy Shri Anil Kumar Patel (Alt)	N	N	N	0/3
16)	Reliance India Limited, Mumbai	Shri Prerak Shah Shri Sanjay Pandita (Alt) Shri Pramod Sahu (Representative)	N	Y	N	1/3
17)	Tulsa Gas Technologies India Private Limited, New Delhi	Shri Ashok Anand	Y	Y	N	2/3

INVITEE

	Organisation Name	Member Name	Email ID	Mobile
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18)	Dover India Private Limited (OPW Division), Thane	Shri Nikhil Jadhav	nikhil.jadhav@doverfs.com	—
19)	Gilbarco Veeder Root India Private Limited, Mumbai	Shri Sujit Koli	sujit.koli@gilbarco.com	—