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**भारतीय मानक ब्‍यूरो**

**BUREAU OF INDIAN STANDARDS**

**Minutes**

|  |  |  |
| --- | --- | --- |
| **Committee** | **Date & Day** | **Time** |
| **11th meeting of** **Mechanical Equipment Used in Refueling Stations for Petroleum and Gaseous Fuel Sectional Committee, MED 38 through Webex** | **26 September 2023**  **(Tuesday)** | **14:30 hrs**  **(WEBEX thru Video Conferencing)** |

**CHAIRPERSON:** Sh. P. Kumar, Chief Controller of Explosives and HoD, Petroleum and Explosives Safety Organisation, Nagpur

**MEMBER SECRETARY:** Ms. Neha Thakur, Sc.B/Assistant Director, Bureau of Indian Standards

**Members Present During the Meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No** | **Organization** | **Member** | **Physically/**  **Virtually** |
|  | PESO Nagpur | Shri K. S. Rao (Acting Chariman),  Dr Vivek Kumar | Virtually |
|  | Bharat Petroleum Corporation Limited, Mumbai | Shri Jojy Sebastian, Shri Ravikumar CV | Virtually |
|  | Compac Industries India Limited, New Delhi | Shri Varun Sethi,  Shri Surendra Kaul | Virtually |
|  | Dover India Private Limited (OPW Division), Thane | Shri Sanjay Khanna, Shri Ajay Deshpande  Shri Nitin  Shri Rahul | Virtually |
|  | Gujarat Gas Company Limited, Ahmedabad | Shri Dharmesh Sailor, Shri Ravi Ravipalli | Virtually |
|  | Hindustan Petroleum Corporation Limited, Mumbai | Shri D H V Anand | Virtually |
|  | Indian Oil Corporation (R and D Centre), Faridabad | Shri Amit Katiyar | Virtually |
|  | Inox India Limited, Vadodara | Shri Nitin Jansari | Virtually |
|  | Intertek India Private Limited, Gurugram | Shri Rakesh Chaurasia | Virtually |
|  | Karandikr Laboratories Private Limited, Mumbai | Shri Ravindra Keshav Paranjpe | Virtually |
|  | Mahanagar Gas Limited, Mumbai | Shri Yashpal Soni | Virtually |
|  | Nayara Energy Limited, Mumbai | Shri Karshan N Kandoria | Virtually |
|  | Tulsa Gas Technologies Inida Private Limied, Delhi | Shri Ashok Anand | Physically |

***Invitees***

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No** | **Organization** | **Member** | **Physically/**  **Virtually** |
| 14. | DNV Business Assurance India Pvt. Ltd. | Shri Shankar Shivaratri | Virtually |

**BIS Directorate**

15. Ms. Neha Thakur, Sc.B

**Item 0 WELCOME AND OPENING REMARKS**

**0.1** The Member Secretary (MS) informed the Committee Members that Shri Navindra Gautam, Scientist-E/Director & Head (Mechanical Engineering Dept.) could not attend the meeting due to prior engagements. MS welcomed the all members present on his behalf.

**0.2** Sh. K. S. Rao, CoE, PESO on behalf of Chairperson Sh. P. Kumar, CCoE/HoD, PESO, Nagpur, welcomed all the members present in the meeting. He also briefed on the meeting agenda and requested panel members to expedite in providing P-drafts for pending NWIPs. He further thanked the members for being present in the meeting and requested members to actively participate in the work of this Committee. With this, he hoped for fruitful and unbiased technical deliberations during the meeting.

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

Committee noted the information and confirmed the Minutes of the last meeting.

**Item 2 SCOPE AND COMPOSITION OF THE SECTIONAL COMMITTEE**

**2.1 Scope**

Committee noted the information.

**2.2 Composition of the Committee**

**2.2.1** The Committee noted the information given in the agenda.

**2.2.2** The Committee noted the information given in the agenda.

**2.3** Committee noted the information and approved the revised nominations from Oil Industry Safety Directorate.

**2.4** Committee noted the information and agreed to provide the signed declaration to MS through email or speed post within one week.

**ITEM 3 ROLLING ANNUAL ACTION PLAN FOR THE YEAR 2023-24**

3.1 Committee noted the information.

3.2 Committee noted the information.

**ITEM 4 STANDARDS NATIONAL ACTION PLAN (SNAP) 2022-2027**

Committee noted the information.

**ITEM 5 ACTIONS ARISING OUT OF THE PREVIOUS MEETING**

**5.1** Summary of decisions taken during **11th** Meeting is given below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **Item\*** | **Committee decision during 10th Meeting** | **Actions taken on the decision of 10th Meeting** | **Committee decision during 11th Meeting** |
| **1.** | **Item 5.1, Sl No. 6** | Committee noted the information.  Shri Amit Katiyar of M/s IOCL R&D, informed the Committee about ISO 17268 Gaseous hydrogen land vehicle refuelling connection devices. He informed that to establish a proper connection between station dispenser nozzle and receptacle of automobile fuel tank, provision as per ISO 17268 is suitable for the purpose.  However, it was informed to the Committee that ISO 17268 has already been adopted by Transport Engineering Division Council, BIS.  Sh. Amit Katiyar, also informed that ISO 14867 Hydrogen fuel quality — Product specification, defines quality of Hydrogen as fuel for utilization as vehicular and stationary applications. So, he proposed to adopt the ISO standard. However, it was informed by Head (MED) that the subject is dealt by Petroleum, Coal and Related Products Dept., BIS.  However, Committee requested Sh. Amit Katiyar to identify the point-wise differences between ISO 14867 : 2019 and ISO 19880-8 : 2019 and send it to Member Secretary for its circulation to the Committee for examination and comments. | **1), 2), 3), 4):** Last date for WC comments was 10 July 2023.  No comment has been received on any of the four drafts.  Committee may deliberate and finalize the WC draft for printing. | **1), 2), 3), 4):** Committee deliberated on the drafts at length.  Shri Ravikumar CV informed the Committee that the ambient temperature conditions are important design parameters while handling liquid/gas fuels. So, he proposed that ambient temperature conditions and their affected components’ specifications in the WC drafts may be changed considering Indian ambient conditions.  Shri Amit Katiyar and Shri Shankar Shivaratri also agreed to the above.  Shri K. S. Rao informed that SMPV rules and GC rules may be referred for the design temperature conditions. He further requested members to consider safety distances in the station layout. He agreed to provide existing standards/ guidelines of safety distances to the Committee and Panel for examination.  Finally, Committee decided to revise the Panel**@** for hydrogen fuelling stations as follows:   1. Shri Amit Katiyar of M/s IOCL R&D (Convener) 2. Shri Prerak Shah of Reliance Industries 3. Representative of M/s TATA Motors 4. Representative of M/s Mahindra and Mahindra 5. Shri Ajit Vasudev Karandikar of M/s Karandikr Laboratories Private Limited, Mumbai 6. Representative of M/s BTIC, Kochi 7. Representative of IOCL Refinery, Vadodara 8. Expert suggested by IOCL R&D 9. Shri Ravikumar CV, BPCL 10. Shri Shankar Shivaratri, DNV   The above panel will deliberate on the WC drafts on the ambient conditions, affecting components and safety distances.  The draft provided by the panel will then be circulated to the Committee for comments within 7 days. If no comments is received, Committee approved the draft to be sent for printing.  **@**Committee requested MS to provide 3 days for providing additional nominations to the above panel. |

***\**** *Item number refers to the proceedings of the last meeting of* ***MED 38****.*

**ITEM 6 Programme of Work**

Committee noted the information.

**ITEM 7 INTERNATIONAL ACTIVITIES**

**7.1, 7.2, 7.3, 7.4 :** Committee noted the information.

**ITEM 8 SELECTION OF SUBJECTS/NEW SUBJECTS**

Committee noted the information.

**ITEM 9 BIS COMMITTEES OF THE YEAR AWARDS**

Committee noted the information.

**ITEM 10 LETTER OF APPRECIATION TO COMMITTEE MEMBERS**

Committee noted the information.

**ITEM 11 NATIONAL AND INTERNATIONAL LEVEL EVENTS TO BE PARTICIPATED IN**

Committee noted the information.

**ITEM 12 SCIENTIFIC JOURNALS AND PERIODICALS TO BE SUBSCRIBED**

Committee noted the information.

**Item 13 CREATION OF POOL OF EXPERTS**

Committee noted the information.

**Item 14 RESEARCH PROJECT TO BE TAKEN UP FOR INCLUSION OF EMPIRICAL DATA AND INSIGHTS**

**14.1, 14.2, 14.3** - Committee noted the information.

**ITEM 15 RECENT INITIATIVES IN THE STANDARD DEVELOPMENT PROCESS OF BIS**

**15.1, 15.2, 15.3** - Committee noted the information.

**ITEM 16 GUIDELINES FOR MEMBERS OF TECHNICAL COMMITTEES**

Committee noted the information.

**ITEM 17 GUIDELINES FOR INTENSIFYING PARTICIPATION OF STAKEHOLDERS IN BIS TECHNICAL COMMITTEE MEETING**

Committee noted the information.

**ITEM 18 NEW INITIATIVES IN STANDARDIZATION**

**a), b), c), d), e):** Committee noted the information.

**ITEM 19 OTHER ACTIVITIES/INFORMATION**

**a), b):** Committee noted the information.

**ITEM 20 SUSTAINABILITY PERSPECTIVE IN INDIAN STANDARDS**

Committee noted the information.

**ITEM 21 UNECE GENDER RESPONSIVE STANDARDS DECLARATION**

Committee noted the information.

**ITEM 22 ACCESSIBILITY**

Committee noted the information.

**ITEM 23 DATE AND PLACE FOR THE NEXT MEETING**

Committee noted the information.

**ITEM 24 ANY OTHER BUSINESS**

The meeting ended with a hearty vote of thanks to the Chair and the members present.