



MECHANICAL ENGINEERING DEPARTMENT

Our Ref: MED 38/T-5, 6, 7, 8

05 12 2023

Subject: Approval of draft standards to Indian Standards on behalf of Division Council

| Sl. No. | Doc. No. | Title |
|---------|--------------|--|
| 1. | MED/38/22620 | Gaseous Hydrogen — Fuelling Stations Part 1 General Requirements (Adoption of ISO 19880-1 : 2020) |
| 2. | MED/38/22621 | Gaseous Hydrogen — Fuelling Stations Part 3 Valves (Adoption of ISO 19880-3 : 2018) |
| 3. | MED/38/22622 | Gaseous Hydrogen — Fuelling Stations Part 5 Dispenser Hoses And Hose Assemblies (Adoption of ISO 19880-5 : 2019) |
| 4. | MED/38/22623 | Gaseous Hydrogen — Fuelling Stations Part 8 Fuel Quality Control (Adoption of ISO 19880-8 : 2019) |

In accordance with sub-rule 5 of rule 22 of BIS Rules 2017, I enclosed a copy of draft standards mentioned above finalized by the Mechanical Equipment Used in Refueling Stations for Petroleum and Gaseous Fuel Sectional Committee, MED 38 in the light of comments received from important producers, consumers, technologists, members of Mechanical Engineering Division Council.

It is requested that this note and its enclosures may be returned to this office as early as possible recording your approval of the drafts as Indian Standard.

राजीव रंजन सिंह

(Rajeev Ranjan Singh)
Scientist 'F'/Senior Director & Head
(MED)

Encl: As above

Chairperson, Mechanical Engineering Division Council
BIS U.O. No. MED 38/T-5, 6, 7, 8 dated 05 12 2023

APPROVED

(Chairperson, Mechanical Engineering Division Council)

Shri K.R. Radhakrishna
Ex- Executive Director
BEML Limited
BEML Soudha,
23/1,4th Main, SR Nagar,
Bengaluru-560027

Email**Mechanical Engineering Department**

Re: [Urgent] Approval for drafts on Gaesous Hydrogen Fuelling Station for finalization and printing

From : V.B. Borgaonkar Controller of Explosives, Tue, Nov 21, 2023 11:44 AM
PESO
<vbborgaonkar@explosives.gov.in>

Subject : Re: [Urgent] Approval for drafts on
Gaesous Hydrogen Fuelling Station for
finalization and printing

To : Mechanical Engineering Department
<med@bis.gov.in>

Cc : Birendra Singh
<bsingh@explosives.gov.in>, Vivek
Kumar <vivekkumar@explosives.gov.in>

Sir,

I am directed to convey the approval of CCE, PESO (Chairperson) of MED-38 for the Draft WC Indian Standards for identical adoption of ISO 19880 Part 1, 3, 5 & 8.

Regards,

V.B.Borgaonkar,
Jt.CCE, PESO, HQ

From: "Chief Controller of Explosives" <explosives@explosives.gov.in>

To: "Birendra Singh" <bsingh@explosives.gov.in>, "Vivek Kumar" <vivekkumar@explosives.gov.in>

Cc: "K.S.Rao Controller of Explosives" <ksrao@explosives.gov.in>, "V.B. Borgaonkar Controller of Explosives, PESO" <vbborgaonkar@explosives.gov.in>

Sent: Tuesday, November 21, 2023 11:07:00 AM

Subject: Fwd: [Urgent] Approval for drafts on Gaesous Hydrogen Fuelling Station for finalization and printing

Regards,

मुख्य विस्फोटक नियंत्रक कार्यालय | O/o Chief Controller of Explosives,
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन | Petroleum and Explosives Safety
Organisation (PESO)

पूर्ववर्ती – विस्फोटक विभाग | Formerly – Department of Explosives

ए-ब्लॉक, पाँचवा तल, केन्द्रीय कार्यालय परिसर | A-Block, 5th Floor, C.G.O. Complex,
सेमिनरी हिल्स, नागपुर महाराष्ट्र – 440 006 | Seminary Hills, Nagpur Maharashtra –
440 006

Tel- 0712-2510248 ; Fax- 0712-2510577 | <http://peso.gov.in/index.aspx>

From: "Mechanical Engineering Department" <med@bis.gov.in>

To: "Chief Controller of Explosives" <explosives@explosives.gov.in>

Cc: "muthukumar n" <muthukumar.n@ashokleyland.com>, "Gautam vp" <Gautam.vp@Ashokleyland.com>, ravikumarcv@bharatpetroleum.in, sebastianj@bharatpetroleum.in, skaul@compacindia.com, varun@compacindia.com, "uttam save" <uttam.save@doverfs.com>, "ajay deshpane" <ajay.deshpane@doverfs.com>, "sanjay khanna" <sanjay.khanna@opwglobal.com>, "sushma prabhudesai" <sushma.prabhudesai@gilbarco.com>, "rajiv pathiyil" <rajiv.pathiyil@gilbarco.com>, "ravi ravipalli" <ravi.ravipalli@gujaratgas.com>, "dharmesh sailor" <dharmesh.sailor@gujaratgas.com>, dhvanand@hpcl.in, agoel@hpcl.in, srivastavau@indianoil.in, chugh@s@indianoil.in, katiyara1@indianoil.in, "pk pandey" <pk.pandey@igl.co.in>, "sushil kumar" <sushil.kumar@igl.co.in>, "deepak acharya" <deepak.acharya@inoxcva.com>, "nitin jansari" <nitin.jansari@inoxcva.com>, "rakesh chaurasia" <rakesh.chaurasia@intertek.com>, ravi@karandikarlab.com, ajitk@karandikarlab.com, nilekarpt@kpcl.net, "neeraj asati" <neeraj.asati@kpcl.net>, bindu@meconlimited.co.in, smalik@meconlimited.co.in, Ramsudheerb@mahanagargas.com, ysoni@mahanagargas.com, "karshan kandoria" <karshan.kandoria@nayaraenergy.com>, "ajai gupta" <ajai.gupta@nayaraenergy.com>, "Kamlesh domadiya" <Kamlesh.domadiya@nayaraenergy.com>, "Sanjay Kumar" <sktiwari.oisd@gov.in>, "Harish Gupta" <harishgupta.oisd@gov.in>, petrofed@petrofed.org, anilkumarpatel@petroneting.com, yoganandareddy@petronetlng.com, "prerak shah" <prerak.shah@ril.com>, "ratan rana" <ratan.rana@tatsuno.co.in>,

ashokanand@tulsagastechindia.com, "K.S.Rao Controller of Explosives" <ksrao@explosives.gov.in>, "P.Kumar Controller of Explosives, PESO" <pkumar@explosives.gov.in>, "V.B. Borgaonkar Controller of Explosives, PESO" <vbborgaonkar@explosives.gov.in>

Sent: Tuesday, November 21, 2023 10:49:13 AM

Subject: [Urgent] Approval for drafts on Gaseous Hydrogen Fuelling Station for finalization and printing

To,
The Chairperson MED 38 & CCoE,
PESO Nagpur

Dear Sir,

This is with reference to the trailing email and following finalized draft Indian Standards for Gaseous Hydrogen Fuelling Stations under **National Green Hydrogen Mission**.

- a. Doc no. MED/38/22620 Gaseous Hydrogen - Fuelling Stations Part 1 General Requirements
- b. MED/38/22621 Gaseous Hydrogen - Fuelling Stations Part 3 Valves
- c. MED/38/22622 Gaseous Hydrogen - Fuelling Stations Part 5 Dispenser Hoses And Hose Assemblies
- d. MED/38/22623 Gaseous Hydrogen - Fuelling Stations Part 8 Fuel Quality Control

The above draft Wide Circulated(WC) Indian Standards are identical adoptions of ISO 19880 Part 1, 3, 5 and 8 and are also attached here for your kind perusal. Last date for WC comments was 10 July 2023. No comment had been received.

However, during the last meeting of MED 38 Sectional Committee held on 26 September 2023, it revised the panel for hydrogen fuelling stations (*also vide* email dated 31st October 2023). The Committee entrusted the panel for detailed deliberation on the drafts and submit its final recommendation to the Committee MED 38 for finalization and printing. The relevant extract of the minutes of meeting is also reproduced below.

'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.'

Accordingly, the first meeting of the panel was held on 08 November 2023. During the meeting following panel members agreed to adopt the standard as it is

(identical adoption):

1. Shri Amit Katiyar of **M/s IOCL R&D**
2. Shri Mallappa Achanur of **M/s TATA Motors Limited-Pune**
3. Shri Ajit Karandikar of **M/s Karandikar Laboratories Pvt Ltd.**
4. Shri Thomas Joseph of **M/s BTI Coopermatics India Pvt Ltd, Kochi**
5. Shri C.V. Ravikumar of **M/s Bharat Petroleum Corporation Limited**
6. Shri Shankar Shivaratri of **M/s DNV Business Assurance India Pvt. Ltd.**

No other comment or dissent has been received on the above drafts by the panel. The Panel's final recommendation and approval is also attached in the trailing email.

In view of the above, Chairperson MED 38 is requested to kindly approve the above draft WC Indian Standards for finalization and printing, at the earliest please.

Regards

Neha Thakur

Sc.B/ Member Secretary MED 38

Mechanical Engineering Department

Bureau of Indian Standards

Ph. 7898323992

From: "K.S.Rao Controller of Explosives" <ksrao@explosives.gov.in>
To: "Mechanical Engineering Department" <med@bis.gov.in>
Cc: "Chief Controller of Explosives" <explosives@explosives.gov.in>, "P.Kumar Controller of Explosives, PESO" <pkumar@explosives.gov.in>, "V.B. Borgaonkar Controller of Explosives, PESO" <vbborgaonkar@explosives.gov.in>, chughs@indianoil.in, katiyara1@indianoil.in, "Prerak Shah" <Prerak.Shah@ril.com>, "Sanjay Pandita" <Sanjay.Pandita@jiobp.com>, "mallappa achanur" <mallappa.achanur@tatamotors.com>, "abhijeet Chougule" <abhijeet.Chougule@tatamotors.com>, "swetha kannan" <swetha.kannan@tatamotors.com>, "rajamani parthiban" <rajamani.parthiban@mahindra.com>, "Thangaraj karuppasamy" <Thangaraj.karuppasamy@mahindra.com>, ravi@karandikarlab.com, ajitk@karandikarlab.com, tom@coopermatics.com, ashik@coopermatics.com, prabul@bticinc.com, guptashivam@indianoil.in, s4shvm@gmail.com, ravikumarcv@bharatpetroleum.in, "Shankar Shivaratri"