

**भारतीय मानक ब्यूरो  
(केंद्रीय मुहर विभाग III)**

हमारा सन्दर्भ : कें. मु. वि.- III / 16 : आई एस 2082

09 सितम्बर 2024

विषय : IS 2082 के अनुसार संशोधित उत्पाद मैनुअल अनुपालन हेतु दिशानिर्देश

यह उपरोक्त विषय के सन्दर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित दिशानिर्देश अनुपालन हेतु संलग्न है।

सभी क्षेत्रीय / शाखा कार्यालयों से अनुरोध है के दिशानिर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें।

(पीयूष प्रकाश)

वैज्ञानिक - डी (सी एम डी-III)

**प्रमुख (सी एम डी-III)**

सभी क्षेत्रीय / शाखा कार्यालय

प्रतिलिपि : आई टी एस विभाग - बी आई एस इंटरनेट पर डालने हेतु

**BUREAU OF INDIAN STANDARDS  
(CENTRAL MARKS DEPARTMENT III)**

Our Ref: CMD-III/ 16: IS 2082

09 Sep 2024

**Subject: Guidelines for implementation of revised Product Manual as per IS 2082**

This has reference to the subject mentioned above.

The Competent Authority has approved the enclosed Guidelines for implementation.

All ROs/BOs are requested to ensure the implementation of the above Guidelines with immediate effect.

Peeyush Prakash  
Sc.-D(CMD-III)

**Head (CMD-III)**

**All ROs/ BOs**

Copy to ITSD: for uploading on BIS intranet.

**CENTRAL MARKS DEPARTMENT III**

**Our Ref: CMD-III/ 16: IS 2082**

**09 Sep 2024**

**Subject: Guidelines for implementation of revised Product Manual as per IS 2082**

1. The product 'Electrical Appliances for domestic water heating' as per IS 2082 : 2018 'Stationary Storage Type Electric Water Heaters – Specification (Fifth Revision)' has been notified for mandatory BIS certification. The last date of the QCO is 04<sup>th</sup> September 2024. As on date there are 73 operative licences and 5 applications under process as per the IS 2082 : 2018.
2. The existing cross-referred Standard, IS 302-2-21 : 2018 'Safety of Household and Similar Electrical Appliances Part 2 Particular Requirements Section 21 Stationary Storage Type Electric Water Heaters (Second Revision)' referred in IS 2082 : 2018 has been revised to IS 302 (Part 2/ Sec 21) : 2024/ IEC 60335-2-21 : 2022 'Household and Similar Electrical Appliances - Safety Part 2 Particular Requirements Section 21 Storage Water Heaters (Third Revision)'.
3. Further, the existing cross-referred Standard, IS 302-1 : 2008 'Safety of household and similar electrical appliances: Part 1 general requirements (Sixth Revision)' is replaced by IS 302 (Part 1) : 2024/ IEC 60335-1 : 2020 'Household and Similar Electrical Appliances - Safety Part 1 General Requirements ( Seventh Revision )'.
4. The significant changes brought through this revision as listed in the Table is given for the purpose of general guidance. BOs shall ensure that the product conforms to all the requirements, as applicable, as per the revised Indian Standard:

Sl.No.	Clause reference	Changes
a.	National Foreword	The cross-referred Indian Standard IS 302-1 : 2008 has been replaced with IS 302 (Part 1) : 2024/IEC 60335-1 : 2020;
b.	Cl. 1, Scope	Addition of direct current (DC) supplied appliances and battery-operated appliances;
c.	Cl. 1, 5.2, 15.3, 19.1, 19.2, 19.3, 19.4, 22.47,	Some notes have been converted to normative text (Cl. 1, 5.2, 15.3, 19.1, 19.2, 19.3, 19.4, 22.47, 22.104, Annex AA introduction);

	22.104, Annex AA introduction	
d.	Cl. 11.3, Table 101	Addition of requirements of the temperature rises of external accessible surfaces;
e.	Cl. 12	New requirement 'charging of metal-ion batteries' is introduced;
f.	Cl. 22.6	Clarification added that a drain hole needs to meet the minimum dimensions or it is considered to be blocked when determining compliance;
g.	Cl. 22.110	Addition of construction requirements for open-outlet water heaters having plastic containers. Requirements of material of the internal container of storage type water heaters has been deleted;
h.	Cl. 22.111	Modification in construction requirements of water heaters;
i.	Cl. 25.1	Updated requirement restricting use of appliance inlets;
j.	Figure 102	Figure of probe for measuring surface temperatures is added;
k.	Annex R and Annex AA	Modification in contents of Annex R and Annex AA

5. Changes indicated at Sl. d, e, f, g, h, i, k require additional testing, if applicable.

6. Consequent upon the revision of IS 302-2-21, the existing Product Manual for IS 2082 : 2018 has been revised as **PM/IS 2082/6/September 2024**. In this revision, changes have been made in the Scope of licence, in grouping guidelines, in Scheme of Inspection and Testing (SIT), in Marking Requirements, and in Possible Tests in a Day.

7. The guidelines for implementation of the revised Product Manual are as below:

**A. For existing licencees:**

- (i) All licencees shall implement the safety requirements prescribed in revised IS 302 (Part 2/ sec 21) : 2024/ IEC 60335-2-21 : 2022 by 18<sup>th</sup> February 2025. Any difficulty in implementation shall be brought to the notice of CMD-III within 30 days of issuance of these guidelines. BOs shall ensure that no Licences as per IS 2082 : 2018 are under operation after 18<sup>th</sup> February 2025, where compliance to additional safety requirements prescribed in IS 302 (Part 2/ sec 21) : 2024/

IEC 60335-2-21 : 2022 has not been established by the licensee. The status of implementation of additional safety requirements as per the revised IS 302 (Part 2/ sec 21) : 2024/ IEC 60335-2-21 : 2022 for existing varieties shall be confirmed by the BO to CMD-III within two weeks of the last date of implementation of 302 (Part 2/ sec 21) : 2024/ IEC 60335-2-21 : 2022, i.e. 18<sup>th</sup> February 2025.

- (ii) Following actions will be taken by the licensee as per IS 2082 : 2018 to implement the additional requirements in revised IS 302 (Part 2/ sec 21) : 2024/ IEC 60335-2-21 : 2022:
  - a. Licensee manufacturers will have to submit test certificates or in-house test report or independent test report, as applicable as evidence of establishment to the additional requirements in revised IS 302 (Part 2/ sec 21) : 2024/ IEC 60335-2-21 : 2022.
- (iii) Verification of implementation of the revised standard, shall be done during the next visit **which shall be completed within one month from the date of submission of compliance by licensee.**
- (iv) If the Licensee fails to complete all actions by 18th February 2025 it shall be dealt with as per the prevailing guidelines.

**B. For New Applicants:**

- (i) Existing Applications where Sample has been submitted in the Laboratory/Test Report has been issued by the Laboratory may be processed as per IS 2082 : 2018. However, if the Applicant is desirous of considering the application as per additional applicable test parameters specified in revised IS 302 (Part 2/ sec 21) : 2024/ IEC 60335-2-21 : 2022, a declaration may be obtained from the Applicant to that effect and the Application may be processed accordingly. An undertaking shall also be obtained from such Applicants that if the sample fails as per additional applicable test parameters specified in revised IS 302 (Part 2/ sec 21) : 2024/ IEC 60335-2-21 : 2022 Standard, Licence will not be granted as per IS 2082 : 2018 with test parameter specified in old IS 302-2-21 : 2018.

- (ii) Applications which are recorded henceforth as per IS 2082 : 2018 may be processed with or without considering the additional applicable test parameters specified in revised IS 302 (Part 2/ sec 21) : 2024/ IEC 60335-2-21 : 2022. However, processing of Applications without considering additional applicable test parameters specified in revised IS 302 (Part 2/ sec 21) : 2024/ IEC 60335-2-21 : 2022 shall be permitted only up to 18<sup>th</sup> February 2025 and for such cases Applicant shall give a declaration that they will implement the additional applicable test parameters specified in revised IS 302 (Part 2/ sec 21) : 2024/ IEC 60335-2-21 : 2022 by 18<sup>th</sup> February 2025.
- (iii) Beyond 18<sup>th</sup> February 2025, no Licence as per IS 2082 : 2018 shall be granted without establishing additional applicable test parameters specified in revised IS 302 (Part 2/ sec 21) : 2024/ IEC 60335-2-21 : 2022.

**C. For Change in Scope of Licence:**

- (i) For change in scope of licence, the relevant provisions as given above for Applicants shall apply.
- (ii) However, processing of such applications for change in scope of licence as per old Standard shall be permitted only upto the date of implementation of the revised IS 302 (Part 2/ sec 21) : 2024/ IEC 60335-2-21 : 2022 by the licensee or up to 18<sup>th</sup> February 2025 whichever is earlier
8. The above guidelines shall come into force with immediate effect.

Peeyush Prakash  
Sc.-D

Head (CMD III)  
**DDG (Certification)**