

## **Central Marks Department – II (Legal)**

**Our Ref:** CMD-II(L)/16: IS 302-2-25

**Dated** 27-10-2014

**Subject: Guidelines for implementation of IS 302-2-25:2014, Safety of Household and similar Electrical appliances Part 2 Particular Requirements Section 25 Microwave Ovens, including combination Microwave ovens**

IS 302-2-25:1994 Safety of Household and similar electrical appliances: Part 2 Particular requirements: Section 25 Microwave ovens has been revised as IS 302-2-25:2014 vide Gazette notification dated 01 August 2014 with date of establishment as 01 August 2014. However IS 302-2-25:1994 shall remain in force concurrently till 31 January 2015. The guidelines for implementation of revised IS 302-2-25:2014 superseding IS 302-2-25:1994 have been finalized and approved by the competent authority are enclosed as Annex-I.

All 'O's/BO's/SBO's are requested to take suitable action for compliance at their end.

(Sunil Kumar)  
Sc. F

**Head, CMD-II (Legal)**

**To All RO's/BO's/SBO's/BIS Labs.**

**Copy to: i) Head ( ITSD)- With a request to host this circular on Intranet and Website.**

**ii) Head (ETD)**

**CENTRAL MARKS DEPARTMENT-3(SDOC)**

Ref. CMD-3(SDOC)/CRS/E & IT Goods

15/10/2014

**Subject: Guidelines for Implementation of revised standard IS 302-2-25:2014 superseding IS 302-2-25:1994- Microwave Oven**

1. IS 302-2-25:1994 has been revised as IS 302-2-25:2014 for Safety of Household and Similar Electrical Appliances-Particular Requirements- Microwave Ovens, Including Combination Microwave ovens
2. The above standard is to be read in conjunction with IS 302-1:2008 for 'Safety of Household and similar Electrical Appliances' Part-1: General Requirements.
3. As per the Gazette notification IS 302-2-25:2014 was established on 1 Aug 2014 . The concurrent running of IS 302-2-25:1994 and IS 302-2-25:2014 is permitted till 31 Jan 2015. Accordingly IS 302-2-25:1994 shall stand cancelled after **31 January 2015**.
4. The major changes in revised standard IS 302-2-25:2014 which are already mentioned in forward of revised specification and to be followed as applicable by all registered manufacturers/applicants under Compulsory Registration Scheme are given in Annex-A

**5. Change over for Application/Inclusion case**

a) New applications shall not be recorded as per the older version of the Standard since the Gazette Notification has been issued. Existing applications may be processed as per the older version however registration has to be granted before the withdrawal date of the old version i.e. by 31 January 2015 failing which the application shall be processed for closure/rejection as per norms . All such applicants whose applications are processed as per the older version are required to give an undertaking as per enclosed prescribed format that they shall be able to switchover to the new version of the standard before the date for withdrawal of the old version i.e by 31 January 2015, as has been notified in the gazette.

b) As an exception to the above guidelines mentioned at 5a wherever the sample has been submitted in the designated Laboratory or report has been issued by Laboratory prior to the issue of notification i.e. 1 August 2014, the same shall be accepted for grant of licence as per the version of the Standard indicated in the Test Report subject to the condition that the switchover shall be done by the date of withdrawal of the old version. However an undertaking shall be obtained from the firm as mentioned at 5 a)

In this case, the switchover to revised standard shall be processed as per item 6 of the guidelines .

c) All new applications for registration/inclusion even if they fall under the exception as mentioned at 5b shall only be received as per IS 302-2-25:2014 after 31 Dec 2014, which is one month before the last permissible date for concurrent running of both the standards.

d) In case the firm has got the tests carried out as per old standard because of reasons/exception as identified at 5b but have not submitted the report on or before 31 Dec 2014, the case shall be processed as per the revised standard on submission of amendment in test report from BIS approved lab indicating conformity to modified requirements mentioned at Annex -A as per IS 302-2-25:2014 for base model only.

e) In case the firm has submitted samples to the designated laboratory after the issue of Gazette notification i.e. 1 Aug 2014 and has got the sample tested as per old version of the standard the case shall be processed as per the revised standard on submission of amendment in test report from BIS approved lab indicating conformity to modified requirements mentioned at Annex -A as per IS 302-2-25:2014 for base model only.

#### **6. Existing registered manufacturers case**

a) All Registered units shall switchover to the new version before the date for withdrawal of the old version.

b) No Registered manufacturers shall be under operation as per the old version beyond the date of withdrawal.

c) CMD-3(SDOC) to inform all the registered manufacturers about implementation of the IS 302-2-25:2014 along with guidelines of implementation of revised standard.

d) Registered manufacturer shall submit test reports as per IS 302-2-25:2014 from BIS approved Lab for the base models indicating conformity to modified test requirements as mentioned in Annex –A. In case the product was tested considering IS 302-2-1979 in the past(Previously both versions 1979 and 2008 were in concurrent running) then additional tests as mentioned at Annex- B shall also be carried out which shall be in addition to the tests mentioned at Annex- A.

The registered manufacturer shall also submit an undertaking as per prescribed format that all models of the product(base and series models) conforms to IS 302-2-25:2014 and only those found conforming to the revised standard shall only be marked with compliance statement mentioned in their letter for grant of registration/inclusion and no product as per old version of standard shall be marked with compliance statement after 31 January 2015.

e) BIS shall process the case for change over to revised standard based on the following :

i. Test reports from BIS approved lab for the modified requirements as mentioned in Annex -A as per IS 302-2-25:2014

ii. An undertaking as mentioned at item No. 5a).

iii. A letter regarding implementation of revised standard shall be issued by BO indicating product and model numbers found conforming to the revised standard.

7) In case registered manufacturer fails to submit an undertaking and test report as per revised standard for modified requirements by 31 January 2015 a cancellation notice with 15 days time may be issued and further actions including cancellation of registration shall be taken based on response of the manufacturer.

## Annex A

As is evident from above significant changes are in the following requirements:-

1. Marking and Instruction. (Clause 7)
2. Heating. (Clause 11)
3. Test for Temperature sensing probe (Clause 15.101)
4. Leakage current and Electric strength.(Clause16)
5. Endurance. (Clause18)
6. Abnormal operation. (Clause 19)
7. Stability and mechanical Hazards.(clause 20)
8. Mechanical strength.(Clause 21)
9. Construction. (Clause 22)
10. Components. (Clause 24)
11. Clearance,Creepage Distance and solid insulation (Clause 29) for Combination microwave oven if pollution degree 3 applies.(If pollution degree is same as considered in earlier report no further testing necessary)
12. Radiation,Toxicity and similar hazard (clause 32)
13. In case Microwave oven is tested as per IS 302-1:1979 then additional tests of IS 302-1:2008 which has been identified at Annex B shall be carried out. It may be noted that few tests out of those identified may not be applicable based on the construction. (explanation for applicability of which is given in bold under Annex B)

Note :

1. For change in critical components due to any modifications carried out due to switch over to revised standard or for any other purpose the details may be incorporated in the test report following prevalent practice as per sl. No.27 of FAQ.
2. In case the Microwave oven is suitable for installing in Road vehicles ,caravans and similar vehicles, manufacturer to declare the same before submitting the sample to lab so that test applicable as per clause 22.116 can be carried out.
3. The scope is extended to cover microwave oven on board ships. In case the manufacturer feels that their oven is intended for use on board ships, manufacturer may declare the same before submitting the sample to lab so that modifications to the standard s given at Annex BB may be considered and tests carried out accordingly.

## Annex B

### **Differences due to revision of IS 302-1 as given in forward of IS 302-1 :2008**

(Only those tests for which there are likelihood of changes in test requirement and methods has been incorporated.)

(Applicable For those Microwave ovens tested as per IS 302-1:1979)

1. Transient over voltage test as per cl 14.**(for clearance having value less than specified).**
2. For overload protection(Cl.17) and abnormal operation test (Cl.19) maximum winding temperature for class 200,220,250 added . In case winding wires of said insulation class is available than the same is to be tested
3. Test for EMC as per clause 19.11.4.1,19.11.4.2,19.11.4.3,19.11.4.4 added under abnormal operation test. **(Only for appliances having switch with off position obtained by electronic disconnection,switch that can be placed in stand by mode and appliances incorporating a protective electronic circuit)**
4. Clearances,Creepage Distances and Solid insulation.(Clause 29)
5. Resistance to heat and fire.(Clause 30)
6. Supply Connection and external Flexible cord.(Clause 25)

## UNDERTAKING

1.Name and address of Manufacturer/Applicant(Factory):

2.Product : Microwave oven

3.Models Conforming to IS 302-2-25 : 2014

4.Trade/Brand Name:

5. We (Name and address of factory) , are holding registration No. R- xxxxxxxx for self-declaration of conformity on the above products .We, as the responsible party for regulatory compliance, declare under sole responsibility that the described product having Model No. mentioned above is in conformity with IS 302-2-25:2014.

6. We also undertake that only those models of Microwave Oven found conforming to IS 302-2-25:2014 shall be marked with compliance statement mentioned in the letter for grant of Registration /inclusion after the date of receipt of intimation from BIS regarding switch over to revised standard or 31 January 2015 whichever is earlier.

7.We agree that in case the models registered are found not conforming to IS 302-2-25:2014,then the registration granted to us will be liable to be cancelled by BIS

(Signature and seal of CEO / Authorised representative of the factory)

Countersigned by Authorised Indian Representative  
(In case of Foreign Manufacturer Only)

Name:

Name :

Date:

Date :

Place:

Place :