

भारतीय मानक ब्यूरो

केन्द्रीय मुहर विभाग - III

हमारा संदर्भ- केन्द्रीय मुहर विभाग-3/16: IS 1391 (भाग 2)

19 08 2020

विषय: IS 1391 (भाग 2) के अनुरूप एयर कंडीशनर के प्रमाणन के लिए संशोधित दिशानिर्देश

सभी शाखा कार्यालयों से अनुरोध है कि उपरोक्त विषय के बारे में संलग्न परिपत्र का अवलोकन करें

(राकेश कुमार)

वैज्ञानिक 'सी' (सी एम डी-III)

प्रमुख (सी एम डी-III)

सभी क्षेत्रीय शाखा कार्यालयों/को परिचालित

BUREAU OF INDIAN STANDARDS

CENTRAL MARKS DEPARTMENT-III

Our Ref: CMD-III/16: IS 1391 (Part 2)

19 08 2020

Subject: Modified Guidelines for Certification of Split Air Conditioners as per IS 1391 (Part 2)

This has reference to the subject mentioned above. The guidelines have been modified based on the inputs received from stakeholders and considering the various scenario in manufacturing of air conditioners. The modified guidelines are attached.

All Branch Offices are requested to inform the same to the Applicants/Licensees under their jurisdiction and ensure the implementation of the same.

Consequent upon the issuance of these guidelines, Product Manual has been revised [Doc No. PM/IS 1391 (Part 2)/4/ Aug 2020] incorporating necessary changes and has been issued vide Circular No. CMD-III/Product Manual/IS 1391 (Part 2) dated 19 August 2020, for immediate implementation.

All Applications including the existing Applications shall be processed in line with these guidelines. Any licences granted as on date shall also be reviewed and ensured that the provisions contained in these guidelines are followed in toto.

These guidelines shall be implemented with immediate effect and supersede any other earlier guidelines issued in this subject.

(Rakesh Kumar)

Sc. C (CMD III)

Head (CMD - III)

Circulated to: All ROs/BOs

CENTRAL MARKS DEPARTMENT

Our Ref: CMD-3:16/ IS 1391 (Part 2)

19 August 2020

Subject: Modified Guidelines for Certification of Split Air Conditioners as per IS 1391 (Part 2): 2018

1. This has reference to the Certification of Split Air Conditioner (AC) having Indoor Unit (IDU) and Outdoor Unit (ODU) as per IS 1391 (Part 2).
2. As per Para 1 (i) of Scheme-I of Schedule- II of the BIS (Conformity Assessment) Regulations, 2018, a license can be granted by Bureau for products manufactured in a manufacturing premises. Further, as per Para 3 (1) (a) (ii) of Scheme-I of Schedule- II of these Regulations, a part of the manufacturing activity may be outsourced.
3. The following are the possible scenario in the manufacturing of Split Air Conditioner:
 - (A) In-house manufacturing of IDU only.
 - (B) In-house manufacturing of ODU only.
 - (C) In-house manufacturing of both IDU and ODU and selling as individual units only *or* In-house manufacturing of both IDU and ODU and selling as individual units as well as complete Split AC.
 - (D) In-house manufacturing of IDU and Outsourcing of ODU (i.e purchasing of ODU either from domestic or foreign manufacturer) and selling as complete Split AC *or* In-house manufacturing of ODU and Outsourcing of IDU (i.e purchasing of IDU either from domestic or foreign manufacturer) and selling as complete Split AC.
 - (E) Outsourcing of both IDU and ODU (i.e purchasing of both IDU and ODU either from domestic or foreign manufacturer).
4. (i) The manufacturer who intends to obtain BIS Certification Licence for Split AC as per IS 1391 (Part 2) shall normally have complete in-house manufacturing facility. However, considering the possible manufacturing scenario of Split AC Industry, **outsourcing of part of the manufacturing activity may be permitted to the extent of one of the units only (i.e either IDU or ODU only) for certification of Split AC as per IS 1391 (Part 2).**
 - (ii) **Under any circumstances, purchasing of both the units (i.e ISI marked IDU as well as ISI marked ODU) shall not be permitted for the certification of Split AC.**
 - (iii) **For obtaining BIS licence, at least one of the units (i.e. either IDU or ODU) shall be manufactured in-house. In other words, persons who are not having in-house manufacturing facilities either for IDU or for ODU shall not be eligible for obtaining BIS licence.**
5. Accordingly, the guidelines given below shall be followed for Certification of Air Conditioners as per IS 1391 (Part 2):

(A) Manufacturer of only IDU (in-house)

- i) Every manufacturer who is carrying out in-house manufacturing of only IDU shall obtain licence from BIS for the product type **Indoor Unit** as per IS 1391 (Part 2). In such cases, the scope of BIS licence will be **“Indoor Unit Only”**.
- ii) The manufacturer shall have complete in-house testing facility for all the **Production Routine tests** for IDU as per IS 1391 (Part 2) and shall carry out due testing of IDU as per the Scheme of Inspection and Testing (SIT) and maintain records.
- iii) The manufacturer shall ensure that all the components used in manufacturing (either bought out or manufactured in-house) which are covered under the mandatory certification of BIS through various QCOs (e.g: Cables as per IS 694/ IS 9968-1, Capacitors as per IS 2993, Finned Type Heat Exchangers as per IS 11329, Hermetic Compressors as per IS 10617, Temperature Sensing Controls as per IS 60730-2-9 etc.), as applicable, are ISI Marked under a valid BIS licence.
- iv) Upon obtaining BIS licence, the licensee shall ensure that all the information as per IS 1391 (Part 2) as well as the SIT are marked on each IDU only after due testing of IDU as per the SIT.
- v) Each IDU shall be marked with the BIS Standard Mark as given below and the **responsibility of the Quality of ISI marked IDU shall vest with the IDU licensee:**

IS 1391 (Part 2)



Indoor Unit only

CM/L - XXXXXXXXXXXX

- vi) **(a) The IDU manufacturer shall sell ISI marked IDU to those manufacturers only who holds BIS licence for the complete product Split AC (i.e Licensee at item ‘5D’ or even to licensee at item ‘5C’).**
 - (b) An undertaking shall be furnished by the IDU manufacturer to BIS to the effect that the ISI marked IDU will be sold to BIS licensees for the complete product Split AC only.
 - (c) However, the actual physical supply of the ISI marked IDU may be to any place other than the licenced premises of the Split AC manufacturer also. The details of all such supplies shall be maintained by the IDU licensee and shall be produced to BIS on demand. An undertaking in this respect shall be obtained from the IDU manufacturer.

(B) Manufacturer of only ODU (in-house)

- i) Every manufacturer who is carrying out in-house manufacturing of only ODU shall obtain licence from BIS for the product type **Outdoor Unit** as per IS 1391 (Part 2). In such cases, the scope of BIS licence will be **“Outdoor Unit Only”**.
- ii) The manufacturer shall have complete in-house testing facility for all the **Production Routine tests** for ODU as per IS 1391 (Part 2) and shall carry out due testing of ODU as per the Scheme of Inspection and Testing (SIT) and maintain records.
- iii) The manufacturer shall ensure that all the components used in manufacturing (either bought out or manufactured in-house) which are covered under the mandatory certification of BIS through various QCOs (e.g: Cables as per IS 694/ IS 9968-1, Capacitors as per IS 2993, Finned Type Heat Exchangers as per IS 11329, Hermetic Compressors as per IS 10617, Temperature Sensing Controls as per IS 60730-2-9 etc.), as applicable, are ISI Marked under a valid BIS licence.
- iv) Upon obtaining BIS licence, the licensee shall ensure that all the information as per IS 1391 (Part 2) as well as the SIT are marked on each ODU only after due testing of ODU as per the SIT.
- v) Each ODU shall be marked with the BIS Standard Mark as given below and the **responsibility of the Quality of ISI marked ODU shall vest with the ODU licensee:**

IS 1391 (Part 2)



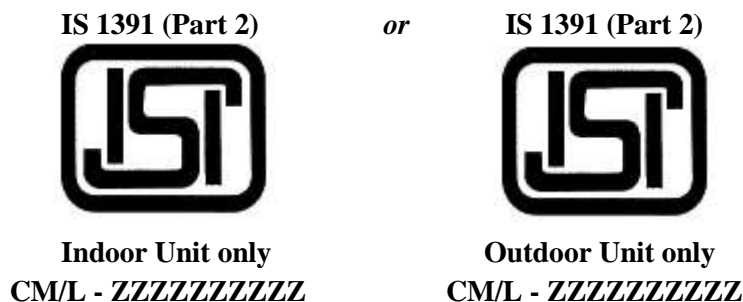
Outdoor Unit only

CM/L - YYYYYYYYYY

- vi) (a) **The ODU manufacturer shall sell ISI marked ODU to those manufacturers only who holds BIS licence for the complete product Split AC (i.e Licensee at item ‘5D’ or even to licensee at item ‘5C’).**
 - (b) An undertaking shall be furnished by the ODU manufacturer to BIS to the effect that the ISI marked ODU will be sold to BIS licensees for the complete product Split AC only.
 - (c) However, the actual physical supply of the ISI marked ODU may be to any place other than the licenced premises of the Split AC manufacturer also. The details of all such supplies shall be maintained by the ODU licensee and shall be produced to BIS on demand. An undertaking in this respect shall be obtained from the ODU manufacturer.

(C) Manufacturer of both IDU and ODU (both in-house)

- i) (a) Every manufacturer who is carrying out in-house manufacturing of both IDU and ODU shall obtain licence from BIS for the product types **Indoor Unit** and **Outdoor Unit** as per IS 1391 (Part 2). In such cases, the scope of BIS licence will be “**Indoor Unit Only**” and “**Outdoor Unit Only**”.
- (b) However, if the manufacturer intends to manufacture the complete product Split AC also in the same premises, the scope of BIS licence will include “**Split AC**” also.
- ii) (a) The manufacturer shall have complete in-house testing facility for all the **Production Routine tests** for IDU as well as ODU as per IS 1391 (Part 2) and shall carry out due testing of IDU and ODU as per the Scheme of Inspection and Testing (SIT) and maintain records.
- (b) **In addition, the manufacturer who has taken licence for the complete product Split AC shall also comply with the provisions of the SIT w.r.t testing of the complete product Split AC and maintain records.**
- iii) The manufacturer shall ensure that all the components used in manufacturing (either bought out or manufactured in-house) which are covered under the mandatory certification of BIS through various QCOs (e.g: Cables as per IS 694/ IS 9968-1, Capacitors as per IS 2993, Finned Type Heat Exchangers as per IS 11329, Hermetic Compressors as per IS 10617, Temperature Sensing Controls as per IS 60730-2-9 etc.), as applicable, are ISI Marked under a valid BIS licence.
- iv) Upon obtaining BIS licence, the licensee shall ensure that all the information as per IS 1391 (Part 2) as well as the SIT are marked on each IDU and each ODU as well as the complete product Split AC (as applicable) only after due testing of IDU, ODU and the complete product Split AC (as applicable) as per the SIT.
- v) (a) Each IDU and each ODU intended to be sold as individual unit only shall be marked with the BIS Standard Mark as given below and the **responsibility of the Quality of ISI marked IDU and ISI marked ODU shall vest with the licensee:**



- (b) Each IDU and each ODU used for the manufacturing of the complete product Split AC shall be marked with the BIS Standard Mark as given below and the **responsibility of the Quality of ISI marked Split AC shall vest with the Split AC licensee:**

IS 1391 (Part 2)



CM/L - ZZZZZZZZZZ

vi) (a) **The manufacturer shall sell ISI marked IDU or ISI marked ODU to those manufacturers only who holds BIS licence for the complete product Split AC (i.e Licensee at item ‘5D’ or even to any other licensee at item ‘5C’).**

(b) An undertaking shall be furnished by the manufacturer to BIS to the effect that the ISI marked IDU or ISI marked ODU will be sold to BIS licensees for the complete product “Split AC” only.

(c) However, the actual physical supply of such ISI marked IDU or ISI marked ODU may be to any place other than the licensed premises of the Split AC manufacturer also. The details of all such supplies shall be maintained by this licensee who is making such supplies and shall be produced to BIS on demand. An undertaking in this respect shall be obtained from this manufacturer.

vii) (a) **However, due to any reason, if the Split AC licensee intends to purchase any of the units (i.e either ISI marked IDU or ISI marked ODU) from any other manufacturer, it shall be purchased from BIS licensees only (i.e. Licensee at item ‘5A’ or ‘5B’ or ‘5D’ or even from any other licensee at item ‘5C’).**

(b) An undertaking shall be furnished by the Split AC manufacturer to BIS to the effect that the ISI marked IDU or ISI marked ODU (as the case may be) will be purchased from BIS licensees only.

(c) However, the actual physical receipt of such ISI marked IDU or ISI marked ODU may be at any place other than the licenced premises of this Split AC manufacturer also. The details of all such receipts shall be maintained by this Split AC licensee and shall be produced to BIS on demand. An undertaking in this respect shall be obtained from this Split AC manufacturer.

(d) In such cases where one of the units (i.e either ISI marked IDU or ISI marked ODU, as the case may be) is purchased from BIS licensee, the Standard Mark as given below shall be used on the other unit manufactured in-house (i.e ODU or IDU, as the case may be):

IS 1391 (Part 2)



CM/L - ZZZZZZZZZZ

(e) Under any circumstances, purchasing of both the units (i.e ISI marked IDU as well as ISI marked ODU) shall not be permitted for the manufacturing of same Split AC. In other words, at least one of the units (ie. either IDU or ODU) used in the manufacturing of same Split AC shall be manufactured in-house.

(D) Manufacturer of Split AC (where one of the units i.e IDU or ODU is manufactured in-house and the other unit i.e ODU or IDU is purchased from outside)

- i) Every Split AC manufacturer who is carrying out in-house manufacturing of one of the units (i.e either IDU or ODU) and intends to purchase the other unit (i.e ODU or IDU, as the case may be) from any other manufacturer shall obtain licence from BIS for the complete product *Split AC* as per IS 1391 (Part 2). In such cases, the scope of BIS licence will be “Indoor Unit Only” and “Split AC” or “Outdoor Unit Only” and “Split AC”, as the case may be.
- ii) The manufacturer shall have complete in-house testing facility for all the ***Production Routine tests*** for the unit which is manufactured in-house (i.e either IDU or ODU, as the case may be) as per IS 1391 (Part 2) and shall carry out due testing of IDU or ODU (as applicable) as per the Scheme of Inspection and Testing (SIT) and maintain records. **In addition, the licensee shall also comply with the provisions of the SIT w.r.t testing of the complete product Split AC and maintain records.**
- iii) The manufacturer shall ensure that all the components used in manufacturing (either bought out or manufactured in-house) which are covered under the mandatory certification of BIS through various QCOs (e.g: Cables as per IS 694/ IS 9968-1, Capacitors as per IS 2993, Finned Type Heat Exchangers as per IS 11329, Hermetic Compressors as per IS 10617, Temperature Sensing Controls as per IS 60730-2-9 etc.), as applicable, are ISI Marked under a valid BIS licence.
- iv) Upon obtaining BIS licence, the licensee shall ensure that all the information as per IS 1391 (Part 2) as well as the SIT are marked on each IDU or each ODU (as applicable) as well as the complete product Split AC only after due testing of IDU or ODU (as applicable) and the complete product Split AC as per the SIT.
- v) Each IDU or each ODU (as the case may be) manufactured in-house and used for the complete product Split AC shall be marked with the BIS Standard Mark as given below and **the responsibility of the Quality of ISI marked Split AC shall vest with this Split AC licensee:**

IS 1391 (Part 2)



CM/L – QQQQQQQQQQ

vi) (a) **The Split AC manufacturer shall purchase ISI marked IDU or ISI marked ODU (as the case may be) from BIS licensee only (i.e. Licensee at item '5A' or '5B' or '5C' or even from any other licensee at item '5D').**

(b) An undertaking shall be furnished by this Split AC manufacturer to BIS to the effect that the ISI marked IDU or ISI marked ODU (as the case may be) will be purchased from BIS licensees only.

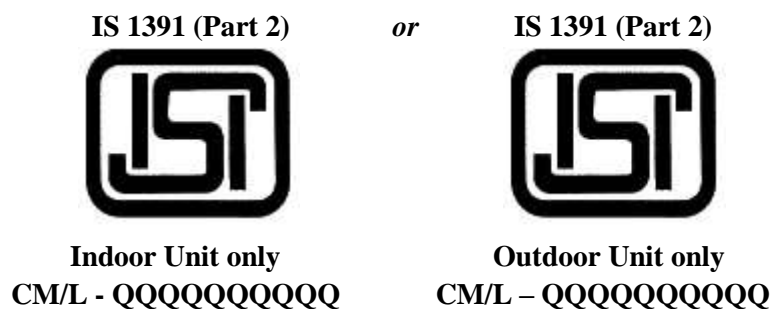
(c) However, the actual physical receipt of such ISI marked IDU or ISI marked ODU may be at any place other than the licenced premises of this Split AC manufacturer also. The details of all such receipts shall be maintained by this Split AC licensee and shall be produced to BIS on demand. An undertaking in this respect shall be obtained from this Split AC manufacturer.

vii) (a) **In case the licensee intends to sell ISI marked IDU or ISI marked ODU (as the case may be) manufactured in-house to any other manufacturer, it shall be sold to those manufacturers only who hold BIS licence for the complete product Split AC (i.e Licensee at item '5C' or even to any other licensee at item '5D').**

(b) An undertaking shall be furnished by the Split AC manufacturer to BIS to the effect that the ISI marked IDU or ISI marked ODU (as the case may be) will be sold to BIS licensees for the complete product Split AC only.

(c) However, the actual physical supply of such ISI marked IDU or ISI marked ODU (as the case may be) may be to any place other than the licensed premises of the other Split AC licensee also. The details of all such supplies shall be maintained by this Split AC licensee who is making such supplies and shall be produced to BIS on demand. An undertaking in this respect shall be obtained from this Split AC manufacturer.

(d) In such cases where ISI marked IDU or ISI marked ODU (as the case may be) is sold to any other manufacturer, the Standard Mark as given below shall be used on IDU or ODU (as the case may be):



(E) Outsourcing of both the units (i.e IDU and ODU)

i) **For obtaining BIS licence for certification of Split AC as per IS 1391 (Part 2), outsourcing of both the units (i.e IDU and ODU) shall not be permitted under any circumstances (Please see item 4 also).**

6. All Applications including the existing Applications shall be processed in line with these guidelines. Any licences granted as on date shall also be reviewed and ensured that the provisions contained in these guidelines are followed in toto.
7. These guidelines shall be implemented with immediate effect and supersede any other earlier guidelines issued in this subject.

(Rakesh Kumar)
Sc. C (CMD III)

Head (CMD - III)

DDG (Certification)