



# भारतीय मानक ब्यूरो BUREAU OF INDIAN STANDARDS

## For BIS Use ONLY

### MINUTES

MEETING	DAY & DATE	TIME	VENUE
Thirty-Seventh meeting of Refrigeration and Air Conditioning Sectional Committee, MED 03	Monday 17 April 2023	1030 hr	Samvaad (Green Room), BIS HQ, New Delhi

**MEMBERS PARTICIPATED:** *See Annex A.*

**CHAIRPERSON:** Prof. (Dr.) Ravi Kumar, Department of Mechanical & Industrial Engineering, Indian Institute of Technology (IIT), Roorkee, Uttarakhand.

**MEMBER SECRETARY:** Miss Khushbu Jyotsna Kindo, Scientist 'C'/Deputy Director (MED), BIS, New Delhi.

### Item 0 WELCOME AND OPENING REMARKS

#### 0.1 Welcome & Opening remarks by Head (MED), BIS

Shri Rajneesh Khosla, Head (MED), welcomed the Chairperson and members of the Sectional Committee to the 37<sup>th</sup> meeting of the Refrigeration and Air Conditioning Sectional Committee, MED 03. He requested the members to review the safety requirements and basic electrical safety tests in the chiller draft. He also apprised the Committee that India is a signatory of the Montreal Protocol and it has been brought to notice that during the refilling of refrigerants in room air conditioners especially window air conditioners proper care is not being practiced leading to refrigerants being leaked in the atmosphere. He requested the Committee to look into the matter and add ensure the requirements are addressed through standards. He further apprised the Committee to review existing standards and develop new standards related to sustainability and the life cycle of the product such that its requirements are addressed in the respective standards. He also requested the Committee to list out priority items to be taken up by the Committee in the next 5 years.

#### 0.2 Welcome & Opening remarks by Chairperson.

Prof. (Dr) Ravi Kumar, Chairperson, of MED 03 welcomed the Committee members to the 37<sup>th</sup> sectional committee meeting of MED 03. He thanked members for taking out their valuable time and participating in the meeting. He further suggested that alternate meetings can be held in person for better deliberations.

						(iii) Leakage current and Electric Strength (Cl.16 of IS302-1).
3.	Shri L S Chauhan	10, 10.1	1st	Editorial	<p>Clause No. of Safety requirements (Cl.10 and Cl.10.1) need to be corrected as Cl.9.7 and 9.7.1 because Cl.10 is assigned to 'Marking' in this standard.</p> <p>Safety requirement as per Cl.31 of IS 302-1 (Resistance to Rusting) may be deleted because test method of 'Resistance to Rusting' is not defined under Cl.31 of IS 302-1:2008</p>	<p>'9.7 Safety Requirements '</p> <p>'9.7.1 The pumpset shall meet all the safety requirements specified in 13,15 and 16 of IS 302-1'</p>

#### **4.11 MED 03 (22115) Refrigerants - Designation and safety classification Amendment – 2 to IS 16656/ISO 817**

The Committee finalized the draft for printing.

#### **4.12 MED 03 (22116) Refrigerating Systems and Heat Pumps — Safety and Environmental Requirements Part 1 Definitions, Classification and Selection Criteria Amendment – 2 to IS 16678 (Part 1)/ISO 5149-1**

The Committee finalized the draft for printing.

#### **4.13 MED 03 (22117) Refrigerating systems and heat pumps - Safety and environmental requirements: Part 2 design, construction, testing, marking and documentation Amendment – 1 to IS 16678 (Part 2)/ISO 5149-2**

The Committee finalized the draft for printing.

#### **4.14 MED 03 (22118) Refrigerating systems and heat pumps - Safety and environmental requirements: Part 3 installation site Amendment - 1 to IS 16678 (Part 3)/ISO 5149-3**

The Committee finalized the draft for printing.

#### **4.15 MED 03 (19768) Finned type heat exchanger for room air conditioner (First Revision) (Amendment – 3 of IS 11329) under print**