



# भारतीय मानक ब्यूरो BUREAU OF INDIAN STANDARDS

**For BIS Use ONLY**

## MINUTES

MEETING	DAY & DATE	TIME	VENUE
Thirty-Fifth meeting of Refrigeration and Air Conditioning Sectional Committee, MED 03	Thursday 22 Dec 2022	1030 hr	WebEx

**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**

On behalf of Shri Rajneesh Khosla, Head (MED), Member Secretary (MS) welcomed the Chairperson and members of the Sectional Committee to the 35<sup>th</sup> meeting of the Refrigeration and Air Conditioning Sectional Committee, MED 03.

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

Prof. (Dr) Ravi Kumar, Chairperson, of MED 03 welcomed the Committee members to the 35<sup>th</sup> sectional committee meeting of MED 03. He expressed pleasure and congratulated every member of the Committee for the accomplishment and for being nominated as the 'BIS COMMITTEE OF THE YEAR AWARD'. He acknowledged that the time and effort the members put into the activity of MED 03 is commendable considering that is a voluntary work. He thanked the members for their sincere efforts and cooperation and wished for fruitful deliberation on various agenda items.

Chairperson informed the committee that in view of some exigency, he would not be able to conduct the meeting till the end. With the consent of all the members, he requested Mr. P K Mukerjee to continue the meeting in his absence.

S No	*Item No.	Recommendation of the sub-committee in 5 <sup>th</sup> meeting	Action taken on the Minutes of the previous meeting	Recommendation of the sub-committee in 6 <sup>th</sup> meeting
<p><b>Committee decision in 35<sup>th</sup> meeting:</b></p> <p>The Committee decided to discuss the item in the next meeting.</p>				

#### **ITEM 4 DRAFT STANDARDS/AMENDMENTS FOR FINALIZATION/ FINALIZED**

##### **4.1 MED 03 (17393): Air Handling Units — General Requirements Performance Testing and Rating**

The Committee accepted the recommendation of the Panel and finalized the draft for printing. It decided that the revised draft provided by the Panel shall be circulated to the Committee for 1 week for information.

##### **4.2 MED 03 (19252) Refrigerated display cabinets Part 2 Classification requirements and test conditions (ISO 23953-2 : 2015, MOD, First Revision) Superseding IS 1474**

Shri Satish Kumar informed that the draft revision based on comments of Shri P K Mukherjee will be provided within 2 weeks. The Committee finalized the draft for printing. It decided that the revised draft provided by Shri Satish Kumar shall be circulated to the Committee for 1 week for feedback. If no comments are received, the draft shall be sent for printing.

Also, *see* Item 3.1, Sl no. 3 of the minutes.

##### **4.3 MED 03 (19119) Non-Ducted Portable Air-Cooled Air Conditioners and Air-to-Air Heat Pumps Having A Single Exhaust Duct Testing And Rating For Performance (Modified Adoption of ISO 18326: 2018)**

The Committee approved the revised draft provided by Shri Satish Kumar with modification of adding 'Air Enthalpy Test Method' as per IS 1391 (Part 1) and finalized the draft for printing.

Also, *see* Item 3.1, Sl no. 4 of the minutes.

##### **4.4 MED 03 (20172) Air-cooled air conditioners and air-to-air heat pumps — Testing and calculating methods for seasonal performance factors — Part 1: Cooling seasonal performance factor (ISO 16358-1 : 2013 MOD)**

The Committee decided that the editorial comment received from Shri P K Mukherjee will be reviewed by Shri Mukherjee and MS based on the provision of ISO/IEC Guide 21-1. It finalized the draft for printing. It decided that the correction, if any, shall be circulated to the Committee for 1 week for information.

##### **4.5 MED 03 (20225) Room Air Conditioners Specification Part 1 Unitary Air Conditioners (Fourth Revision of IS 1391-1)**