

BUREAU OF INDIAN STANDARDS

MINUTES

Builder's Hardware : **Thirty-Second Meeting**
Sectional Committee, CED 15

Friday, 15 March 2024 : **1500 h**

Chairperson : Shri B. Majumdar (In-Personal Capacity), Delhi

Member Secretary : Shri Pradeep Singh Shekhawat, Scientist – D/ Joint Director, CED, BIS

Members Present:

- 1) Shri SushilTawar, Allied Anodisers, Kolkata
- 2) Shri Anil Chadha, Argent Industries, New Delhi
- 3) Dr. Chandan Swaroop Meena, CSIR - Central Building Research Institute, Roorkee
- 4) Shri S K Negi, CSIR - Central Building Research Institute, Roorkee
- 5) Shri Hanish Arora, Dormakaba India Private Ltd, New Delhi
- 6) Shri Sandip Garg, D.P. Garg & Company Private limited, Noida
- 7) Shri Deodatta Joshi, Godrej & Boyce Manufacturing Company Limited, Mumbai
- 8) Shri Kshitij Gaikar, Godrej & Boyce Manufacturing Company Limited, Mumbai
- 9) Shri Vinayak Nalgirkar, Godrej & Boyce Manufacturing Company Limited, Mumbai
- 10) Shri Indu Kumar Sharma, Hettich India Private Limited, Vadodara
- 11) Shri Virendra kumar, Hettich India Private Limited, Vadodara
- 12) Shri N M Anoop Krishnan, Indian Institute of Technology Delhi, New Delhi
- 13) Shri Ishan Batra, Mech India Industries, New Delhi
- 14) Shri Sudhir Batra, Mech India Industries, New Delhi
- 15) Shri Parameswara Reddy, Shakti Hormann Private Limited, Chennai
- 16) Shri Shri Mukesh Purshotamdas, South India Agencies, Bengaluru
- 17) Shri Rohith Mukesh, South India Agencies, Bengaluru
- 18) Shri Sharanraj A, Winwall Technology India Private Limited, Chennai
- 19) Shri Jothi Ramalingam, Winwall Technology India Private Limited, Chennai

Invitee:

- 1) Shri Syed Mohamed, AOS Door Controls LLP, Chennai

Item 0 OPENING REMARKS BY THE CHAIRPERSON

The Chairperson extended a hearty welcome to all the committee members to this 32nd Meeting of the Builder's Hardware Sectional Committee, CED 15. He added that the last meeting was held on 05th December, 2023. It is a matter of satisfaction that the Sectional Committee meetings were held quarterly. This has been made possible by the timely actions of the Secretariat and the time and efforts given by the members of the Committee. He appreciated BIS approach towards Research and Development for the purpose of formulating and reviewing the Indian Standards. He mentioned that R&D based Indian Standards would have a better impact towards the usage of the Indian Standards. He calls for the attention of all the members on this vital issue and calls for their detailed deliberations in the meeting and suggestions for implementation.

With this, he handed over to the Member Secretary of the Committee for further conduct of the meeting as per the agenda.

Item 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

There being no comments, the Committee confirmed the minutes of the Thirty-first Meeting of the Builder's Hardware Sectional Committee, CED 15 held on 05th December 2023, as circulated.

Item 2 COMMENTS ON INDIAN STANDARDS

2.1 IS 14912: 2001 - Door closers, concealed type (Hydraulically Regulated) – Specification

2.2 IS 3564: 1995 - Hydraulically Regulated Door Closers – Specification

2.3 IS 6315: 1992 - Floor springs (hydraulically regulated) for heavy doors – Specification

The Committee discussed the queries regarding coverage of different varieties and comments on IS 14912, IS 3564 and IS 6315. During the discussion, it was informed that, the R&D for door closers already under process for data-base contains literature, designs, materials, test reports etc. And on the basis of output of R&D, the Indian standards related to Doors closers will be revised with final performance of the product based approach as already being followed internationally. However, as these products are now under Quality Control Order (QCO), for the issues related to raw materials, designs and any other that makes standard non-implementable with respect to latest practices followed by the industry, the Committee

constitute a working group to discuss (including the matters mentioned in the Agenda) and propose amendments to these standards (if required). The composition of the working group is as follows:

- 1) Shri Kshitij Gaikar, Godrej & Boyce Manufacturing Company Limited, Mumbai (Convener)
- 2) Shri Syed Mohamed, AOS Door Controls LLP, Chennai
- 3) Shri Parameswara Reddy, Shakti Hormann Pvt, Chennai
- 4) Shri Hanish Arora, Dormakaba India Private Ltd, New Delhi
- 5) Shri Sandip Garg, D. P. Garg & Company Pvt Ltd, Noida

2.4 IS 208: 2020 - Door Handles – Specification

The Committee noted and endorsed the reply on clarification on Cl.8.2 corrosion test on applicability on stainless steel door handles which has no coatings as follows:

“From the scope of IS 9844: 1981 it is very much clear that this standard specifies the apparatus, the reagent and the procedure to be used in conducting the neutral salt spray test for assessment of the quality of coatings made in accordance with the requirements of coating or product specifications.

For Door Handles (size up to 150 mm), the Product specification is IS 208: 2020. Cl 8.2 of the standard read in conjunction with Amendment 1 specifies the Test Method along-with the exemption that is Door handles shall not show any sign of corrosion, when subjected to test as per IS 9844 for 96 h. This test is not applicable for aluminium door handles.”

Item 3 NEW INDIAN STANDARDS UNDER DEVELOPMENT

3.1 Classification Codes for Builder’s Hardware – Guidelines

Shri Syed Mohamed informed to the Committee about status of work as draft is under preparation and informed that he left the company M/s Shakti Hormann Pvt Ltd. Then the Committee asked Shri Parameswara Reddy from M/s Shakti Hormann Pvt Ltd to take the work further for under the ARP. He conveyed inability to take the lead this work but offered to contribute as a member in the working group. After the discussion, the Committee constitute a working group for this task and the composition of the working group is as follows:

- 1) Shri Syed Mohamed, AOS Door Controls LLP, Chennai (Convener)
- 2) Shri Parameswara Reddy, Shakti Hormann Pvt, Chennai
- 3) Shri Hanish Arora, Dormakaba India Private Ltd, New Delhi
- 4) Shri Vinayak Nalgirkar, Godrej & Boyce Manufacturing Company Limited, Mumbai

- 5) Dr. Omkar Powar, Schueco India Pvt Ltd, Chennai

The Committee also authorized the Convener to invite any other relevant organizations in the working group meeting for discussion with intimation to BIS Secretariat.

The Committee requested the Convener to plan the meetings of the working group for discussion and provide the ARP report along-with draft for the new Indian Standard to the Committee in next three months. The ARP report must contain literature, test reports etc for documentary evidence for formulation of new Indian Standard on Panic Exit Hardware.

3.2 Panic Exit Hardware – Specification

Shri Sandip Garg informed to the Committee about status of work as draft is under preparation and the testing part is almost completed. After the discussion, the Committee add more members in the working group for this task and the updated composition of the working group is as follows:

- 1) Shri Sandip Garg, D. P. Garg & Company Pvt Ltd, Noida (Convener)
- 2) Shri Syed Mohamed, AOS Door Controls LLP, Chennai
- 3) Shri Hanish Arora, Dormakaba India Private Ltd, New Delhi
- 4) Shri Vinayak Nalgirkar, Godrej & Boyce Manufacturing Company Limited, Mumbai
- 5) Shri Sudhir Batra, Mech India Industries, New Delhi

The Committee also authorized the Convener to invite any other relevant organizations in the working group meeting for discussion with intimation to BIS Secretariat.

The Committee requested the Convener to plan the meetings of the working group for discussion and provide the ARP report along-with draft for the new Indian Standard to the Committee in next three months. The ARP report must contain literature, designs, materials, test reports etc for documentary evidence for formulation of new Indian Standard on Panic Exit Hardware.

3.3 Ball Bearing Door Hinges – Specification

Shri Sandip Garg informed to the Committee about status of work as draft is under preparation and the testing part is almost completed. After the discussion, the Committee add more members in the working group for this task and the updated composition of the working group is as follows:

- 1) Shri Sandip Garg, D. P. Garg & Company Pvt Ltd, Noida (Convener)

- 2) Shri Syed Mohamed, AOS Door Controls LLP, Chennai
- 3) Shri Hanish Arora, Dormakaba India Private Ltd, New Delhi
- 4) Shri Anil Chadha, Argent Industries, New Delhi
- 5) Shri Sudhir Batra, Mech India Industries, New Delhi

The Committee also authorized the Convener to invite any other relevant organizations in the working group meeting for discussion with intimation to BIS Secretariat.

The Committee requested the Convener to plan the meetings of the working group for discussion and provide the draft in next three months. So that same can be discussed in the next meeting for further process.

3.4 Under-Mount Drawer Slide – Specification

For new Indian Standard on Under-Mount Drawer Slide – Specification, Shri Mukesh Purshotamdas from South India Agencies, Bengaluru requested the Committee to assign Action Research Project (ARP) to him. After discussion, the Committee agreed and assigned the Action Research Project (ARP) and requested him to provide the ARP report along-with draft for the new Indian Standard to the Committee in next six months. The ARP report must contain literature, designs, materials, test reports etc for documentary evidence for formulation of new Indian Standard on Under-Mount Drawer Slide – Specification.

Item 4 PROPOSAL FOR NEW INDIAN STANDARDS

The Committee considered the new work item proposals and after discussion, the decision taken against each proposal is as follows:

- 1) **Floor Springs for Glass Doors** – Agreed to work with inclusion in the revision of IS 6315: 1992 - Floor springs (hydraulically regulated) for heavy doors – Specification. Accordingly, the Committee requested the concerned working group to take-up the topic in the revision of IS 6315.
- 2) **Grab Bars** – Agreed to formulate a new standard on Grab Bars and accordingly the committee requested all the members to share their inputs for preparation of the working draft on the Grab Bars - Specification.
- 3) **Fire rated fittings in Fire Doors** – Agreed to work and recommended to include fire test and ratings in concerned door fitting standards while revisions.
- 4) **Fibre Reinforced Polymer FRP Cable Trays** – The Committee discussed the proposal

in detail. After discussion, it has been observed that most of the inputs are related to materials i.e. FRP and Glass Reinforced SMC (Sheet Moulding Compounds). And also the same will not cover in the scope of the Builder's hardware Sectional Committee, CED 15. So, the Committee requested to transfer the topic to the Sectional Committee having standards related to FRP and SMC materials.

- 5) **Fibre Reinforced Polymer FRP Fencing** - The Committee discussed the proposal in detail. After discussion, it has been observed that most of the requirements given in the draft are related to materials i.e. FRP and Glass Reinforced SMC (Sheet Moulding Compounds). And also the same will not cover in the scope of the Builder's hardware Sectional Committee, CED 15. So, the Committee requested to transfer the topic to the Sectional Committee having standards related to FRP and SMC materials.

Item 5 TOPICS UNDER RESEARCH AND DEVELOPMENT

5.1 R&D Project on Hinges Used in Doors and Windows

5.2 R&D Project on Door Closers

5.3 R&D Project on Tower Bolts

5.4 R&D Project on Sliding Door Bolts

The Committee noted that R&D works are at further stage of evaluation of BIDs received.

Item 6 PROGRAMME OF WORK (POW)

The Committee reviewed the POW and while reviewing, it was explained that the Committee can archive Indian Standards which are not of high priority and hence the thorough review of this standard has not been taken up at present. The standard will be reviewed in detail at a later stage and is being archived till then. After discussion, the Committee decided to archive IS 363:1993 - Hasps and staples — Specification ` (fourth revision) and IS 364:1993 - Fanlight catch — Specification (third revision).

Item 7 COMPOSITION OF THE SECTIONAL COMMITTEE

The Committee noted and reviewed the present composition of the Sectional Committee as given in the Agenda and once again requested the members to participate and contribute in the work of the Sectional Committee, CED 15. The Committee requested all the member organizations to review their nominations and send the updated nomination details to BIS Secretariat (email – ced15@bis.gov.in) as per Annex 1 of the Minutes of the Meeting.

Item 8 REQUEST FOR CO-OPTION

The Committee considered the co-option request of Dorset Industries Pvt Ltd, Gurugram, Haryana. After the discussion, the Committee decided not to co-opt, but the company may contribute in revision/new standards formulation by sending comments during wide-circulation of draft documents.

On the request of Shri Syed Mohamed and in view of his active contribution and in the standard formulation work, the Committee agreed to co-opt M/s AOS Door Controls LLP, Chennai in which he is working. The Committee requested M/s AOS Door Controls LLP, Chennai to provide their nominations to BIS Secretariat (email – ced15@bis.gov.in) as per Annex 1.

Item 9 ANY OTHER BUSINESS

A request made to BIS Secretariat to share compiled information of email id and mobile number of all the Committee members to the Conveners of the working groups, so that can be used by them for discussion related to standard formulation work. The Committee agreed for the same.

The members joined the Member-Secretary in thanking the Chairperson for guidance and smooth conduct of the meeting leading to fruitful discussions and decisions. The Member Secretary also thanked all the members for their keen interest and valuable inputs during the deliberations in the meeting.
