

BUREAU OF INDIAN STANDARDS**MINUTES**

Building Construction Practices Sectional Committee, CED 13 : **27th TC Meeting**

Monday, 26 February 2024 : **1500 Hours**

Video Conferencing : **Through WEBEX**

Chairperson: Shri P. Bhagat Singh

Member Secretary: Shri Prashant Yadav

Members:**Members****Organisation**

Shri A. N. Prakash	Association of Consulting Civil Engineers India, Bengaluru
Smt. Sarita Balodhi	Confederation of Construction Products and Services, New Delhi
Dr Ajay Chourasia	CSIR - Central Building Research Institute, Roorkee
Dr S. R. Balasubramanian	CSIR - Structural Engineering Research Centre, Chennai
Shri Vimal Mohan	CSIR - Structural Engineering Research Centre, Chennai
Shri Gohul Deepak	Glazing Society of India, Chennai
Shri Shounak Mitra	Hilti India Private Limited, New Delhi
Dr. Deepak Bansal	Housing and Urban Development Company Construction Corporation, New Delhi
Shri Amitava Sil	Indian Plywood Industries Research and Training Institute, Bengaluru
Smt Madhu Anand	L&T Construction, Chennai
Shri Sundhar C	L&T Construction, Chennai
Shri Arun Kumar Sharma	National Buildings Construction Corporation Limited, New Delhi
Shri Shankar Ghuge	Pest Control India Private Limited, Mumbai
Shri Anil Dewan	School of Planning and Architecture, New Delhi
Shri Gonella Venugopal	Tata Consulting Engineers Limited, Navi Mumbai
Shri Devendra Gill	The Institution of Engineers (India), Kolkata
Shri Pramod Adlakha	The Institution of Engineers (India), Kolkata

Invitee:

Shri Ravishankar

DOW-Corning India Limited, Mumbai

ITEM 0 OPENING REMARKS OF CHAIRPERSON

The Chairperson Shri P. Bhagat Singh introduced himself then extended a warm welcome to all the members to the twenty-seventh meeting of the committee and appreciated the interest shown by them in the work of the Committee and their contribution to the national standardization effort. He along with all the other members of the committee thanked Shri D S Sachdev former chairperson of this Committee for his excellent contribution over the years. Being first meeting as the chairperson, he requested all the members to introduce themselves. Thereafter the member secretary took up the item-wise agenda.

ITEM 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

There being no comments on the Minutes of the last (Twenty-sixth) meeting of the Building Construction Practices Sectional Committee, CED 13 was held on 16th October 2023 via video conferencing, as circulated vide BIS DG letter no. CED 13/A-2.26 dated 18 October 2023, the committee confirmed the same.

ITEM 2 COMPOSITION**2.1 Composition of the Sectional Committee**

The Committee noted the present composition of the Sectional Committee as given at Annex 1 to the agenda and the following was decided:

- 1) Considering the non-participation of representatives, it was decided to send a reminder to the following organizations having 0/3 participation and request them to indicate whether they are interested in continuing as members of this Committee:
 - a) Bhabha Atomic Research Centre, Mumbai.
 - b) Building material & Technology Promotion Council, New Delhi.
 - c) CSIR-North East Institute of Science and Technology, Jorhat.
 - d) CPWD CSQ, New Delhi.
 - e) Forest Research Institute, Dehradun.
 - f) Indian Institute of Technology Madras, Chennai.
- 2) Committee has decided to withdraw Shri K S Pruthi from the sectional committee considering his request for the withdrawal from the committee and it was decided to invite him as guest invitee in further meetings of Sectional committee whenever need for his expertise arises.
- 3) The committee has also decided to co-opt the following organizations/members in the sectional committee considering their expertise and nominations received via mail:
 - a) Shri D S Sachdev, In personal capacity.
 - b) Shri R N Dandekar, In personal capacity.
 - c) Cement Manufacturers Association, New Delhi and will be represented by Dr. L. R. Manjunatha as principle member and Shri Umesh Soni as alternate member.
 - d) India Building Congress, Delhi and will be represented by Shri Vishv Ratan Bansal as principle member and Shri H P Gupta as alternate member.
- 4) Following changes were informed to the committee (in the Annex 1):

- a) Central Public Works Department, CSQ, New Delhi will be represented by Shri Prem Mohan as principal member and Shri D K Ujjainia as alternate member.
- b) Delhi Development Authority, New Delhi will be represented by Shri Ravi Kant as Principal member.
- c) Engineers India Limited, New Delhi will be represented by Shri Amarjeet Singh as principle member and Shri Ravi Grover as alternate member.
- d) India Pest Control Association, New Delhi will be represented by Shri Viren Merchant as principle member and Shri Stelson Quadros as alternate member.
- e) NBCC (India) Ltd., New Delhi will be represented by Shri Arun Kumar Shrama as principle member and Shri Dinesh Kumar Nagar as alternate member.
- f) NTPC Ltd., New Delhi will be represented by Shri Ajay Das as principle member and Shri Nilesh Mehta as alternate member.
- g) The Energy Resource Institute, New Delhi will be represented by Shri Yatin Chaudhary as alternate member.

2.2 Composition of the Panels

2.2.1 & 2.2.2 The Sectional Committee reviewed the present composition of the Panel for Use of Glass in Building, CED 13/P1 and the Panel on Glazing systems, CED 13/P2 as given at Annex 2 and Annex 3 and decided to merge the panel CED 13/P1 with the panel CED 13/P2 and the updated name of the Panel will be Panel on Glass and Glazing, CED 13/P1 and the updated composition of the panel after considering the participation of members in these panels is given at **Annex 1** of the minutes of the meeting.

Committee has also authorized the convenor of the panel to include other members in the panel and also authorized him to formulate the working groups for revision of glass and glazing standards if the need arise.

2.2.3 The Sectional Committee reviewed the present composition of the Panel for Timber and Bamboo Engineering, CED 13/P3 as given at Annex 4 of the agenda and suggested the following changes:

- 1) Committee has decided to withdraw Shri K S Pruthi from the Panel considering his request for the withdrawal from the panel and it was decided to invite him as guest invitee in further meetings of panel whenever need for his expertise arises.
- 2) National Bamboo Mission will be represented by Shri Sreekanth K S as principle member.
- 3) The committee has also decided to co-opt the following organizations/members in the Panel CED 13/P3 considering their expertise:
 - a) Kerala Forest Research Institute (KFRI), Thrissur.
 - b) CEPT University, Ahmedabad.
 - c) JANS Bamboo Products Pvt. Ltd., Thane.
 - d) Canadian Wood, Mumbai.

Committee has also authorized the convenor of the panel to include other members in the panel and also authorized him to formulate the working groups for revision of Bamboo and Timber standards if the need arise.

2.2.4 The Sectional Committee reviewed the present composition of the Panel for Building sealants and Joints, CED 13/P4 as given at Annex 5 and suggested to withdraw following members/organizations from panel considering non-participation:

- 1) Ahluwalia Contracts India (P) Ltd., New Delhi
- 2) Bhabha Atomic Research Centre, Mumbai
- 3) CCMA, Mumbai
- 4) GE India limited, New Delhi
- 5) Sika India, Navi Mumbai
- 6) Momentive, Bengaluru

2.2.5 The Sectional Committee reviewed the present composition of the Panel for Masonry, CED 13/P5 as given at Annex 6 and suggested to withdraw Bhabha Atomic Research Centre, Mumbai from panel considering non-participation.

2.3 The Sectional Committee reviewed the present composition of the Working Group for Metal Framing as given at Annex 7 and the updated composition of the working group after considering the active participation of the members is as follows:

- 1) Shri D S Sachdev, Convener (In personal capacity)
- 2) Saint-Gobain India – Gyproc Unit, Mumbai
- 3) Schueco Systems, Bengaluru (Shri Anthony John)
- 4) Knauf India Private Limited, Delhi (Shri Kanchan Sirpal)
- 5) L&T Construction Division, Chennai (Shri Sundhar C)
- 6) Winwall Technology India Private Limited, Chennai (Shri Jothi Ramalingam)
- 7) Hilti India Pvt. Ltd., New Delhi (Shri Shounak Mitra)
- 8) Girish Das (In personal capacity)

ITEM 3 WORK PROGRAMME OF COMMITTEE

3.1 Programme of Work

The Committee noted the programme of work along with scope of the Sectional Committee as given at Annex 8 of agenda of the meeting.

3.2 Committee has decided to archive the following list of standards considering their relevance and no immediate plan for their revision:

- a) IS 1634 : 1992
- b) IS 2792 : 1964
- c) IS 3140 : 1965
- d) IS 7683 : 1975
- e) IS 10388 : 1982
- f) IS 12093 : 1987
- g) IS 12506 : 1988
- h) IS 13077 : 1991

3.3 Committee has reviewed the list of standards given at Annex 8 and decided to reaffirm the following standards:

- a) IS 15183 (Part 1)
- b) IS 15183 (Part 2)
- c) IS 15183 (Part 3)
- d) IS 15912
- e) IS 16231 (Part 1)
- f) IS 16231 (Part 2)
- g) IS 16231 (Part 3)
- h) IS 16231 (Part 4)

3.4 The Committee has considered and noted the information as given in the item of Agenda.

3.5 The Committee has considered and noted the information as given in the item of Agenda.

ITEM 4 COMMENTS ON WIDE CIRCULATION DRAFT

4.1 Draft Indian Standard IS10959 Glossary to Terms for Sealants for Building Purposes (Second Revision of Is 10959 (Adoption of ISO6927: 2021) DOC. NO. CED 13 (22210) WC

The committee considered the comments on the WC draft Glossary to Terms for Sealants for Building Purposes and resolved the comments as mentioned in below.

Sl. No.	Clause/ Sub-clause/ Para No.	Commenter	Comments/ Suggestions (FOR)	Modified Wordings (READ)	Reasons/ Justifications for the Proposed Changes	Decision Taken in the Technical Committee meeting
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Glossary of Terms for Sealants for Building Purposes (Second Revision of IS 10959) (Adoption of ISO 6927: 2021)	DSS (Shri Dhirendra Singgh Sindhu)		In my view the name should be 'Glossary of terms used for sealants in Buildings'	The reworded heading conveys the contents of the code better.	Committee decide that no change is required in the title of the standard as it is a adoption of ISO standard

		SK (Shri Sudeep Kolte)	<p>If you deem fit a few thoughts for ISO standard for sealant can touch upon, if not already included:</p> <ol style="list-style-type: none"> 1. Degradation life in number of years- what is the expiry of the sealant 2. Suitability with base substrate – on which surface is it recommended 3. Paintable or Non-paintable with Acrylic or PU based paint- how can the surface be finished 4. Fire or acoustic rating, if any- performance based criteria with standard testing protocol 			<p>Committee decided that the comments mentioned are general in nature and are not specifically related to the draft standard and decided that no change is required in the standard.</p>
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The committee also decided to finalise the draft standard for adoption and publication. The committee authorized the Secretariat to incorporate any editorial changes if any.

4.2 Draft Indian Standard for Structural Glazing Sealant - Specification Doc. No. CED 13 (23694) WC

The committee considered the comments on the WC drafts Structural Glazing Sealant - Specification and resolved the comments as mentioned in below.

Sl. No.	Clause/ Sub-clause/ Para No.	Commenter	Comments/ Suggestions (FOR)	Modified Wordings (READ)	Reasons/ Justifications for the Proposed Changes	Decision Taken in the Technical Committee meeting
(1)	(2)	(3)	(4)	(5)	(6)	(7)

1	Adhesion Test	S C (L & T)	When we perform deglazing test in few of the occasions, bonding failure between the aluminum coated surface (in particular Powder/ PVDF) is observed. For this we need to have specific methodology/ guideline or testing procedures			Committee observed that the Annex I of the standard covers the deglazing and decided that no further change is required in the standard.
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The committee also decided to finalise the draft standard for adoption and publication. The committee authorized the Secretariat to incorporate any editorial changes if any.

ITEM 5 ISSUES ARISING OUT OF PREVIOUS MEETINGS

5.1 Metal Framing Components for Gypsum Plasterboards, etc

The Committee acknowledges the current version of the draft on the Drywall system (Part 1) and has requested the working group to revise the draft standard in IS format, incorporating necessary changes. The updated composition of the working group, reflecting active member participation, is detailed in Item 2.3 of the minutes.

Additionally, the committee has tasked the working group with developing drafts for Concealed and Grid Ceiling Systems (Part 2) and Wall Lining (Part 3) prior to the next meeting of the sectional committee.

5.2 Handbook on Bamboo Engineering

The committee has resolved to establish a working group tasked with integrating essential modifications into the Draft Handbook initially provided by Shri K S Pruthi. Considering the same, the Committee has authorised the panel to identify and include the names of experts within the aforementioned working group.

5.3 Guidelines for Masonry Walls Using Rat-Trap Bond Technology

Shri P.K Adlakha has requested the committee for one-month time period to integrate the necessary changes as proposed by the Panel on Masonry, CED 13/P5 in its last meeting and committee has agreed to the same.

5.4 Mortar Less Brick Masonry (Interlocking Brick/Block Technology)

Shri Adlakha conveyed to the committee that the drafting of the provision is already on and that he should be submitting the first version to BIS as soon as the Document is ready.

5.5 Working draft on Glazing system

Committee has decided to formulate a working group to advance the formulation of the standard. Considering the same the Committee has authorised the panel to identify and incorporate the name of the experts in the aforementioned working group.

ITEM 6 NEW WORK ITEM

The committee noted the item of agenda and decided to form a Working Group to formulate the standard and requested BIS to identify members and organizations that can be incorporated in this working group and also requested the BIS to send them a letter of interest and to co-opt them if they are interested.

ITEM 7 COMPREHENSIVE EXERCISE OF REVIEW OF OLD INDIAN STANDARDS

7.1 The Committee noted the information under the item of the agenda.

7.2 The committee has noted the allocations mentioned in the table of Item 7.2 of agenda and suggested no change:

ITEM 8 INTERNATIONAL ACTIVITIES

The Committee noted the information under the item of the agenda.

ITEM 9 ENVIRONMENTAL ASPECTS IN STANDARDS

The Committee noted the information under the item of the agenda.

ITEM 10 GENDER RESPONSIVE STANDARDS DECLARATION

The Committee noted the information under the item of the agenda.

ITEM 11 AVAILABILITY OF INDIAN STANDARDS

11.1 The Committee noted the information under the item of the Agenda.

11.2 The Committee noted the information under the item of the Agenda.

ITEM 12 BIS TALKS ON STANDARDIZATION IN CIVIL ENGINEERING

The Committee noted the information under the item of the Agenda.

ITEM 13 ANY OTHER BUSINESS

The Member-Secretary thanked all Invitees, Members and Chairman for giving their valuable time towards contribution in national standardization activity and actively participating in the discussions held during this Planning meeting.

The Chairman thanked all Members for maintaining high interest in the standardization work and sharing their valuable inputs on the Agenda Items presented during the meeting. Also, he requested all the members to share their feedback on the particular agenda items presented during the meeting to the Member Secretary for taking further action.

ANNEX 1

(Item 2.2.1 and 2.2.2)

PANEL ON GLASS AND GLAZING, CED 13/P1

Sl. No.	Organization	Representative	email
1.	In Personal Capacity, New Delhi	Shri R N Dandekar (Convener)	rndandekar@yahoo.co.in, rndandekar@gmail.com,
2.	Alufit India Pvt Ltd, Bangalore	Nomination Awaited	
3.	Aluplex India, Mumbai	Shri Karan Keshwani (Left Organisation)	Karan.Keswani@aluplexindia.co m,
4.	BES Consultants Pvt Ltd, Mumbai	Shri Rajan Govind	
5.	Confederation of Construction Products & Services, New Delhi	Shri Deepak Gahlowt Mrs. Sarita Balodi (Alternate)	deepak@xebecdesign.com,
6.	Central Public Works Département, New Delhi	Chief Engineer (TAS) Superintending Engineer (TAS) (Alternate)	cecsq.cpwd@nic.in; delsetascsq.cpwd@nic.in,
7.	CSIR-Central Building Research Institute, Roorkee	Nomination Awaited	
8.	Deceuninck Profiles India Private Limited, Tiruvallur	Shri Satish Kumar	Satish.Kumar@deceuninck.com satish.deceuninck@gmail.com
9.	Facade India Testing Pvt Ltd, Mumbai	Shri V S Ravi	vsravi@facadetesting.com,
10.	Geotrix Building Envelope Private Limited, Bangalore	Shri Selvam Ramanathan	selvam.r@geotrixteam.com;
11.	Glazing Society of India, Chennai	Shri Gohul Deepak Ms. Dilna Subramani (Alternate)	gohul.deepak@glazingsociety.co m,
12.	Green Facade Solutions Private Limited, Ghaziabad	Shri Rai Singh	raisingh@greenfacade.in,
13.	Hydro Aluminium Extrusion Limited, Bangalore	Shri Sam Robinson	
14.	Indian Institute of Architects, Mumbai	Shri Vijay Garg Shri Shamit Manchanda	gargvijay@hotmail.com, gargvijay31@gmail.com, shamit@manchanda.co.in
15.	L&T Construction Division, Chennai	Shri Sundhar C	sds@Intecc.com,
16.	Meinhardt Façade Engineering, Chennai	Shri Mahesh Arumugam	ma@meinhardt.com.sg, mahesh.a@mfacade.com,
17.	NBCC, New Delhi	Mudit Bhatnagar Vinay Kumar Khullar	Mudit.bhatnagar@nbccindia.co m Vinay.khullar@nbccindia.com
18.	Saint-Gobain Glass India, Chennai	Nomination Awaited	
19.	School of Planning and Architecture, New Delhi	Dr. Shweta Manchanda Dr. Khushal Matai	shweta.manchanda@spa.ac.in,

Sl. No.	Organization	Representative	email
20.	Schueco Systems, Bengaluru	Shri Antony John P. Subin Calvin Geo	subin@schueco.in
21.	SGRT - IIT Madras, Chennai	Dr S Arul Jayachandran	aruls@iitm.ac.in,
22.	The All India Glass Manufacturer's Federation, New Delhi	Shailesh Ranjan Sam Suresh	
23.	The Energy Resource Institute, New Delhi	Shri Sanjay Seth Shri Yatin Chaudhary (Alternate)	
24.	UWDMA, Delhi	Nomination Awaited	
25.	Winwall Technology India Private Limited, Chennai	Shri Jothi Ramalingam	jothi.r@winwallindia.com winwalltechindia@gmail.com
