



भारतीय मानक ब्यूरो BUREAU OF INDIAN STANDARDS

MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG, NEW DELHI 110002

कार्यवृत्त

हमारा संदर्भ: सीईडी 58/ए-2.7

26 जून 2023

विषय : निर्मित पर्यावरण की स्थिरता विषय समिति , सीईडी 58 की सातवीं बैठक के कार्यवृत्त

सीईडी 58 के सभी सदस्य

प्रिय महोदय,

निर्मित पर्यावरण की स्थिरता विषय समिति, सीईडी 58 की सातवीं बैठक जो 29 मार्च 2023 को नई दिल्ली में सम्पन्न हुई के, कार्यवृत्त भेजते हुए प्रसन्नता हो रही है। कार्यवृत्त की पुष्टि समिति, सीईडी 58 के अध्यक्ष, डॉ. मंटो मनी द्वारा की जा चुकी है।

आपसे अनुरोध है कि कृपया कार्यवृत्त का अवलोकन करें और इसकी यथार्थता पर अगर कोई सम्मतियाँ हों तो अधोहस्ताक्षरकर्ता को 14 दिन के भीतर भेज दें। यदि सम्मति प्राप्त नहीं होती तो आपकी सुविधा के लिए यह समझा जाएगा कि आपने कार्यवृत्त का अनुमोदन कर दिया है।

धन्यवाद।

भवदीय,

(सिनम हडसन सिंह)
वैज्ञानिक 'डी' (सिविल इंजीनियरी)
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संलग्न : उपरलिखित



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG, NEW DELHI 110002

MINUTES

Our Ref: CED 58/A-2.7

26 June 2023

**Subject: Minutes of Seventh meeting of Sustainability of Built Environment
Sectional Committee, CED 58**

All Members of CED 58

Dear Sir,

Please find enclosed a copy of the Minutes of Seventh Meeting of the Sustainability of Built Environment Sectional Committee, CED 58 held on 29 March 2023 in New Delhi. The Minutes have been duly approved by the Chairman, Prof. Monto Mani.

Comments, if any, confined to the accuracy of recording may please be sent to the undersigned at the earliest, preferably within two weeks' time. If no reply is received within the above period, we may be permitted to presume your approval of the Minutes as recorded.

Thanking you and with regards,

Yours faithfully,

(Sinam Hudson Singh)
Scientist `D`(Civil Engg.)
E-mail : shudson@bis.gov.in
Phone No.:011-23608557

Encl: As above

BUREAU OF INDIAN STANDARDS

MINUTES

Sustainability of Built Environment : **Seventh Meeting**
Sectional Committee CED 58

Wednesday, 29 March 2023 : **1530 h to 1730h**

**Bureau of Indian Standards, Manak Bhawan, 9 Bahadur Shah Zafar Marg,
New Delhi 110 002.**

Chairman: Prof Monto Mani, IISc, Bengaluru

Member Secretary: Sinam Hudson Singh, Scientist-D, BIS

Present: Members

Shri. Monto Mani (Chairman)	IISC, Bengaluru
Shri BVV Reddy (Representative)	IISC, Bengaluru
Shri Ashu Gupta (Representative)	ISHRAE
Shri Sivakumar Palaniappan (Alternate)	IITM, Chennai
Shri Venugopal R (Principal Member)	CCPS, New Delhi
Ms Shabnam Bassi	TERI, New Delhi
Shri Yatin Choudhary	TERI, New Delhi
Ms Rachana Sharma (Representative)	CMA, Noida
Shri Sinam Hudson Singh	BIS, New Delhi

Invitees

Shri Swapnil Madhukar Joshi	INFOSYS
Shri N. C. Balaji	NIE, Mysuru
Ms Aysha S.	College of Engineering, Trivandrum
Shri Sandeep Shrivastava	MNIT, Jaipur
Ms Yagnaseni Roy (Representative)	IISC, Bengaluru
Shri Seshadri K S	ATREEE

Item 0 Opening Remarks by the Chairman

The Chairman extended a warm welcome to all the members of the Committee. He expressed the hope that with the active and enthusiastic co-operation of the members, significant and timely progress could be made in standardization work. He then briefed members about the significance of this meeting. He also expressed the need for improved participation/representation of/from some of the members/organisations and stressed the importance of regular member participation and contribution in the standardization activity. With these remarks, he requested the Member Secretary to proceed with the item-wise agenda.

Item 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

There being no comments on the recording of the Minutes of Sixth Meeting of the Sectional Committee CED 58 on Sustainability of Built Environment, held on 27 January 2023 and circulated vide letter no. CED 58/A-2.6 dated 20 March 2023, the Committee confirmed the minutes.

Item 2 SCOPE AND COMPOSITION OF THE COMMITTEE

2.1 The Committee noted the present scope and composition of the Committee as given in **Annex 1** of the agenda of the meeting.

2.2 The Committee also noted that Co-option request had been received from Dr. Sandeep Shrivastava, **MNIT (Jaipur)** through e-mail as enclosed as **Annex-2** of agenda. The Committee and decided to send co-option request to Malaviya National Institute of Technology (MNIT) Jaipur.

2.3 The committee noted that CEDC in its 26th Meeting held on 26 August 2022, the Council had decided to withdraw the representation of Indian Institute of Architects, Mumbai due to non-participation/no contribution/non-receipt of nominations.

Item 3 ISSUES ARISING OUT OF LAST MEETING

3.1 In the last 6th meeting of CED 58, the Chairman had expressed his view that Sustainability, as such is a diverse subject and there is a need for wider participation from different organizations/expertise. This could effectively cover the scope of the Committee and further requested members to nominate organizations, which they felt would actively participate and contribute in formulation of Indian standards in this area. The Chairman stressed that a systems perspective integrating societal and planetary wellness, leveraging on the transformative role of the built-environment is crucial and accordingly, proposed to create thematic Working Groups to formulate three documents towards development of the Indian Standards:

- a) General principles(terminology/definitions/scope/concept).
- b) Built Environment (structure/Functional Performances (FPs)/organization / operation/scope for contribution to wellness).
- c) Indicators and assessment (FPs performance/contribution to wellness

The Committee constitute various Working/Thematic Groups for formulating of Indian standards to ensure substantial progress in the standardization work under this Committee. The Working/Thematic groups aim to discern/identify the role of the corresponding theme in restoring and maintaining societal and planetary wellness. It was discussed that 'circularity' would subsequently be taken up as a separate thematic topic. The Working/Thematic groups are as follows:

3.1.1 Definition of Wellness:

The composition of the Working/Thematic Group is as given below:

L.S Ganesh, IIT Madras, Chennai (Convener)
Swapnil Madhukar Joshi, INFOSYS
Rajan Rawal, CEPT University, Ahmedabad
Shabnam Bassi, TERI, New Delhi
Abi Tamim Vanaki, ATREE, Bengaluru

3.1.2 Climatic Response (Thermal Comfort /Acoustics/Illumination/Ventilation):

The composition of the Working Group is as given below:

Rajan Rawal, CEPT University, Ahmedabad (Convener)
NC Balaji, NIE Mysore
Kiriti Sahoo, NIT, Calicut
Venugopal R, CCPS, New Delhi
Ashu Gupta, ISHRAE
Sandeep Shrivastava, MNIT, Jaipur

3.1.3 Climate Change/Ecosystem services/Biodiversity:

The composition of the Working Group is as given below:

Aysha S. College of Engineering, Trivandrum (Convener)
Abi Tamim Vanaki, ATREE, Bengaluru
L.S Ganesh, IIT Madras, Chennai
Swapnil Madhukar Joshi, INFOSYS

3.1.4 Structural and Durability (built environment):

The composition of the Working Group is as given below:

BVV Reddy, IISC, Bengaluru(Convener)
NC Balaji, NIE, Mysuru
Sandeep Shrivastava, MNIT, Jaipur
Rachana Sharma, CMA, Noida

3.1.5 Fires/safety/toxicity:

The composition of the Working Group is as given below:

Yagnaseni Roy, IISC, Bengaluru(Convener)
NC Balaji, NIE, Mysuru
Rajan Rawal/Yash Kumar Shukla, CEPT University, Ahmedabad
Ashu Gupta, ISHRAE
Rachana Sharma, CMA, Noida

3.1.6 Net Zero/Building Information Modelling and Life Cycle Studies:

The composition of the Working Group is as given below:

Swapnil Madhukar Joshi, INFOSYS
Kiriti Sahoo, NIT, Calicut
Yatin Choudhary, TERI, New Dehi
Sandeep Shrivastava, MNIT, Jaipur
Sivakumar Palaniappan, IITM, Chennai
Venugopal R, CCPS, New Delhi

Item 4 PROGRAMME OF WORK

The Committee noted the present position of work under CED 58 as given in **Annex 3** of the agenda.

Item 5 INTERNATIONAL STANDARDIZATION

The Committee noted that India is currently 'Observer (O)' member in ISO/TC 59/SC 17 and also noted the information on the work on sustainability in building construction being done by ISO/TC 59/SC 17 'Sustainability in buildings and civil engineering works'.

The Committee also noted the list of ISO standards developed and under development by the above ISO Technical Committees as given at **Annex 4** of the agenda.

Item 6 RECOMMENDATION OF THE PLANNING & DEVELOPMENT ADVISORY COMMITTEE OF BIS

The Committee noted the information given in the agenda and agreed to take care of environmental (specifically with an emphasis on ecology) aspects with emphasis on societal and planetary wellness in the development of standards, wherever applicable. The committee also requested members to identify the key areas for formulating standards for relevant thematic areas.

Item 7 WORK PLAN OF THE COMMITTEE

The Committee agreed to prepare a work plan for the next three years and decided that this matter may be discussed in the next meeting to ensure substantial progress in the standardization work under the Committee.

Item 8 ANY OTHER BUSINESS

There being no other business to transact, the meeting ended with a hearty vote of thanks.

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