

Resolutions of the Sixth Meeting of the Panel for Constructional Practices and Safety, CED 46:P7 held in hybrid mode on 21 March 2024

Resolution No.	Resolution/Decision
1	<p>Dr D. R. Sahoo and Dr. Srinivas Mogili to represent IIT Delhi, New Delhi</p> <p>To write to the following for their interest and for co-option on the Panel:</p> <p align="center">IIT Guwahati IIT Kanpur IIT Hyderabad</p>
2	<p>To address the following aspects in detail in this revision, based on the inputs to be received from the respective members/organizations:</p> <ul style="list-style-type: none"> • Include provisions relating to use of cement/binders based on flyash, slag and other industrial wastes. • Suitably define brick and block that are used in the masonry construction. • To address the provisions relating to dry masonry/interlocking bricks that do not use mortar. • To delve further in Clause 10.3.1 regarding masonry unit that are obtained by dismantling of existing structures, as a sustainable material. • CED 13 to take up research studies on tensile stresses and shear stresses for masonry made using bricks and blocks, on priority mode for revising the Indian Standards relating to masonry construction and for updating this chapter. • The existing data relating to stress properties, influence of normal stress on shear stress, prism test, triple shear test available with IISc and other IITs to be collated and shared with BIS. Where needed, fresh studies for the missing information regarding properties and stresses of brick and block masonry units be generated, including for use in CED 6 and CED 30. • To suitably include the precautions to be taken in the use of masonry units for their construction, plastering, painting and any chassis cutting (for installing pipes) taking inputs from manufacturers and BMTPC. • To consider making a caution regarding use of reinforced brick and reinforced brick concrete considering the inherent labour intensive construction and possible corrosion if not maintained well.

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	<ul style="list-style-type: none"> • Considering the harmonization of Indian Standards under the Earthquake Engineering Sectional Committee, CED 39, to suitably make reference to the three series of standards namely IS 1893, IS 13920 and IS 13935. • To introduce a new annex regarding assessment and retrofitting of existing masonry construction; and include guidelines towards maintenance of old structures. To also suitably refer this annex in Part 2 of NBC. • To decide regarding limiting the number of stories for reinforced masonry, as done in the case of unreinforced masonry construction (4 stories) in the next meeting with the participation of members from CED 39 and CED 13 as invitees. • All members to suggest specific comments on Clause 10 Reinforced Masonry as in the working draft circulated by BIS, addressing the limit on number of floors and the specifications for materials. • The following Core Groups of experts were decided to consider reviewing the existing provisions and introduce new/special requirements based on the developments in the field and the standardization within BIS. <table border="1" data-bbox="531 1081 1331 1305"> <tbody> <tr> <td data-bbox="531 1081 935 1155">Structural design of all masonry construction</td> <td data-bbox="935 1081 1331 1155">IITM, IISc, CBRI, NCCBM, IAStructE, +</td> </tr> <tr> <td data-bbox="531 1155 935 1229">Structural design of confined masonry</td> <td data-bbox="935 1155 1331 1229">IITM, IISc, CBRI, NCCBM, IAStructE, +</td> </tr> <tr> <td data-bbox="531 1229 935 1305">Structural design of reinforced masonry</td> <td data-bbox="935 1229 1331 1305">IITM, IITG, IITR, +</td> </tr> </tbody> </table>	Structural design of all masonry construction	IITM, IISc, CBRI, NCCBM, IAStructE, +	Structural design of confined masonry	IITM, IISc, CBRI, NCCBM, IAStructE, +	Structural design of reinforced masonry	IITM, IITG, IITR, +
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4	Members to send in writing (before 30 April 2024) their inputs /suggestions – <u>preferably in the form of draft clauses</u> on the Working Draft of Part 6/Section 4 of NBC circulated through email dated 14 March 2024.						
6	Next meeting shall be in hybrid mode in May 2024						
7	To issue the wide circulation of revision of this chapter by October/November 2024						

As informed, the Formal Minutes of the meeting will be sent separately after the approval of the Convener.

PS: All members are encouraged to visit the BIS' Standardization Portal, <https://www.manakonline.in/MANAK/login>

Click Standardization Tile,

Then click LOGIN

and reset their password (using FORGOT PASSWORD) before accessing **for the first time** the interactive portal.
