



भारतीय मानक ब्यूरो BUREAU OF INDIAN STANDARDS

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RESOLUTION

Our Ref: CED 56/A-2.26

11 December 2024

Subject: Resolution of the Twenty-sixth Meeting of Hill Area Development Engineering Sectional Committee, CED 56

All Members of CED 56

Dear Sir/Madam,

Please find enclosed a copy of resolution of the 26th Meeting of Hill Area Development Engineering Sectional Committee, CED 56 held on **06 December 2024** in Manipal. The resolution has been duly approved by the Sectional Committee, CED 56.

Thanking you,

Yours faithfully,

(Dr Manoj Kumar Rajak)
Member Secretary CED 56
E-mail: manoj@bis.gov.in
Phone No. 011-23238253

Encl: As above

BUREAU OF INDIAN STANDARDS

RESOLUTION

Hill Area Development Engineering Sectional Committee, CED 56 : **Twenty-sixth Meeting**

Friday, 06th December 2024 : **15:00 h**

Venue: (Department of Civil Engineering), (Online + Offline), Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal 576 104, Karnataka

CHAIRPERSON : **Dr R. Anbalagan**
MEMBER SECRETARY : **Dr Manoj Kumar Rajak**

ITEM 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

The Committee noted the information.

ITEM 2 COMPOSITIONS OF THE SECTIONAL COMMITTEES

The Committee noted the composition given in Annex 1 of the agenda.

ITEM 3 PROGRAMME OF WORK

3.1 The Committee noted the present programme of work as given in Annex 2 of the Agenda.

3.2 Revision of IS 14458 (Part 1): 1998 'Retaining Wall for Hill Area – Guidelines: Part 1 Selection of Type of Wall'

Committee decided to take revision IS 14458 (Part 1). Committee requested Chairman, CED 56 and Meccafferri to prepare a draft.

The Committee decided that after receiving the draft, it would be circulated as wide circulation draft for comments.

3.3 Revision of IS 14458 (Part 2): 1997 'Retaining Wall for Hill Area – Guidelines: Part 2 Design of Retaining/Breast Walls'

Committee decided to take revision IS 14458 (Part 2). Committee requested Terre-Armee to prepare a draft.

The Committee decided that after receiving the draft, it would be circulated as wide circulation draft for comments.

3.4 Revision of IS 14458 (Part 3): 1998 'Retaining Wall for Hill Area – Guidelines:

Part 3 Construction of Dry Stone Walls'

Committee decided to take revision IS 14458 (Part 3). Committee requested Terre-Armee to prepare a draft.

The Committee decided that after receiving the draft, it would be circulated as wide circulation draft for comments.

ITEM 4 SUBJECTS UNDER CONSIDERATION

4.1 Draft of Guidelines for Retaining Wall for Hill Area [IS 14458 (Parts 9 to 10)]

The committee reviewed the work related to different parts of IS 14458 "Retaining Wall for Hill Area" and requested the working groups for expediting the work.

SI No.	Title	Working group	Committee Decision
1	Construction of RCC crib walls	Dr. Anbalagan, (Convenor) Smt Minimol Korulla, Maccaferri Col Soumendra BanerjeeTerre-Armee Dr Ajanta Goswami, IIT, Roorkee	Committee consider the draft which was tabled during the meeting. Committee found that the draft is in good shape. The committee decided to circulate this draft as Preliminary draft for comments.
2	Design and construction of reinforced earth retaining walls and slopes	Dr Mahendra Singh, IITR, (Convenor) Smt Minimol Korulla, Maccaferri Dr H. S. Mandal, NCS Dr J. K. Mahnot, CSIR-CIMFR	The committee advised the working group to improve the draft in line with the others parts of this IS 14458 and submit the improved draft with suitably referring other Indian Standard already published. The Committee decided that after receiving the draft from the Working Group it would be circulated as wide circulation draft for comments.

ITEM 5 NEW SUBJECT PROPOSAL

5.1 Formulation of Indian Standards through R&D Schemes of NDMA

5.1.1 Safety and Mitigation Measures for the Buildings and Infrastructures in Landslide Affected Area

The committee advised the CSIR-CBRI to improve the draft with clearly mention the mitigation major required for safety, committee also suggest to suitably referring other Indian Standard, which was already published.

The Committee decided that after receiving the draft from the Working Group it would be circulated as wide circulation draft for comments.

5.2 New Indian Standard on Bio-Technical Measures for Improving the Stability of Slope

The committee constituted the working group for formulation of New Indian Standard on Bio-Technical measures for improving the stability of slope.

The composition of the working group is as given below:

Dr R Anbalagan, (Convener)
Smt Shalini Dhyani, National Environmental Engineering Research Institute
Dr Mahendra Singh, IITR
Smt Minimol Korulla, Maccaferri
Shri Vaibhav Eknath Gosavi, GBPIHED

The Committee also decided that after receiving the draft from the Working Group it would be circulated as Preliminary draft for comments.

5.3 New Indian Standard on ‘Monitoring of Landslides’

The Committee consider the draft which was tabled during the meeting and advice working group to restrict to the technical aspect which are directly related to monitoring of landslides, committee also suggest to refer the available Indian standards whenever possible.

The composition of the working group is as given below:

Dr Neelima Satym, IIT Indore
Dr D. P. Kanungo, CSIR-CBRI
Dr Maneesha V. Ramesh, Amrita Vishwa Vidyapeetham
Dr Venkat Uday Kala, IIT Mandi
Dr Rajat S. Chatterjee, IIRS, Dehradun

The Committee also decided that after receiving the draft from the Working Group it would be circulated as Preliminary draft for comments.

5.4 New Indian Standard on ‘Open Excavation and Hill Slope Stability’

The committee constituted the working group for formulation of New Indian Standard on ‘Open excavation and hill slope stability’.

The composition of the working group is as given below:

Shri Dhruvajyoti Chakraborty, GSI (Convener)
Dr J. K. Mahnot, CSIR- CIMFR
Prof Neelima Satyam, IIT Indore

Smt Minimol Korulla, Maccaferri
Dr Shalini Dhyani, CSIR-NEERI
Col Soumendra Banerjee, Terre-Armee

The Committee decided that after receiving the draft from the Working Group it would be circulated as Preliminary draft for comments.

5.5 New Indian Standard on ‘Guidelines for Disposal of Blasted Muck in Hilly Areas’

The committee reconstituted the working group for formulation of New Indian Standard on ‘Guidelines for disposal of blasted muck in hilly areas’.

The composition of the working group is as given below:

Shri Akshaya Kumar Mishra, GSI (Convener)
Dr R. K. Goel, In Personal Capacity
Shri Sumit Jain, Rail Vikas Nigam Limited,
Dr J. K. Mahnot, CSIR- CIMFR
Prof Neelima Satyam, IIT Indore
Smt Minimol Korulla, Maccaferri
Dr Shalini Dhyani, CSIR-NEERI
Col Soumendra Banerjee, Terre-Armee

The Committee also decided that after receiving the draft from the Working Group it would be circulated as Preliminary draft for comments.

ITEM 6 ANY OTHER BUSINESS

There being no other businesses, the committee ended with a hearty vote of thanks to the chair.
