

BUREAU OF INDIAN STANDARDS**Meeting Minutes****Methods of Measurement of Works of Civil Engineering (Excluding River Valley Projects) Sectional Committee, CED 44**

Meeting No. Twenty Second Meeting (22nd)
Date Monday ,05 February 2024 (from 1100)
Venue Hybrid Meeting (New Delhi, Delhi, India)
 Anushilan (Copper room)

Chairperson: Shri Sarvagya Kr. Srivastava**Member Secretary:** Divya S

Physically Member Present**Organization**

Central Public Works Department, New Delhi
 Institution of Valuers, New Delhi

Representative (s)

Shri Shailesh SE (*rep.*)
 Col. (Retd) B.B Sharma

Virtually Member Present**Organization**

Association of Consulting Civil Engineers India,
 Bengaluru
 CSIR - Central Building Research Institute,
 Roorkee
 Central Public Works Department, New Delhi
 Engineers India Limited, New Delhi
 In Personal Capacity, New Delhi
 In Personal Capacity, New Delhi

Representative (s)

Shri Chandan Ghosh
 Shri S. K. Singh
 Shri Dinesh K Ujjainia
 (Alternate)
 Shri Indrajit Neog
 Shri Bipin Chandra
 (Alternate)
 Shri Balbir Verma
 Shri Ashok Kumar Grover

Invitee:**Organization****Representative (s)**

Central Water Commission, New Delhi

Shri Ajay Shivlal Banode
Shri Kiran Pramanik
Shri Apoorva Raj

ITEM 0 OPENING REMARKS BY THE CHAIRPERSON

The Chairman welcomed all the members to the 22nd meeting of the Methods of Measurement of Works of Civil Engineering (Excluding River Valley Projects) Sectional Committee. The Chairman noted that significant work was carried out after the last meeting and four documents has also been circulated to the members. He thanked the members for the comments provided and requested all the members to be actively involved in the discussion of these documents and to provide their comments.

ITEM 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

1.1 The minutes of the last (Twenty First) meeting of the Methods of Measurement of Works of Civil Engineering (Excluding River Valley Projects) Sectional Committee, CED 44 held on Friday, 20 October 2023, were circulated to members vide BISDG letter No. CED 44/A-2.21 dated 08 November 2023 was confirmed.

ITEM 2 REVIEW OF COMPOSITION OF SECTIONAL COMMITTEE, SUBCOMMITTEES AND PANEL

2.1 Composition of the Sectional Committee

2.1.1 The Committee noted the present composition of the Sectional Committee as last reviewed by the Civil Engineering Division Council, CEDC of BIS in its meeting on 21 July 2023 is given in Annex 1 and made the following observations/noting.

- a) The Committee opined that Board Roads Organization (BRO) conducts a lot of construction work and the standards of this committee are very relevant to them. It was decided that they may be invited to join the meeting and coopted later if they express interest in the standardization work.
- b) The Chairman volunteered to contact some other organizations, which may be relevant to our committee, so that they may be coopted in the next meeting.

2.1.2 The following cooption requests were received through the BIS module:

Sl no.	Name	Qualification	Employment	Brief	Decision of committee

1	Shri Yugul Kumar Shishodia	B. Tech in civil engineering from MIET	Planning & Billing Engineer	He is a Civil Engineering graduate from the Dr. A.P.J. Abdul kalam Technical University, Lucknow. He has more than 7 years of experience in fields of planning & billing.	The Committee felt that his profile was not relevant to the Committee and decided not to coopt him at present. However, we may provide the wide circulated documents to him so that he may be given an opportunity to contribute to the standardization work.
2	Shri Vamsi Krishna	B Master's in Structural Engineering from The University of Salford, UK	Assistant Professor	He is a Civil Engineer with a Master's in Structural Engineering and pursuing a Ph.D. at SR University, Warangal. With experience as a Junior Bridge Engineer and contractor, He is currently an Associate Professor in Civil Engineering.	Considering his extensive experience, the Committee Decided to coopt him.

2.1.3 An email from CWC requesting for re-co-opt in the sectional committee was received vide email dated November 18, 2023

The committee noted the request of CWC and decided to co-opt the following members in the committee; in the meanwhile, it was also decided to obtain the resume of the nominated members to ensure their suitability in the committee.

Principal Member	Name & Contact of Present Incumbent	Alternate Member	Name & Contact of Present Incumbent
Director, Cost App, (Irr.2) Dte.	Sh. Ajay Shivilal Banode Mob:9370084731 / 9422339698 Off:011- 29583428 Email: cai2dtekcwc@ nic.in	Director, Cost App. (HWF) Dte.	Sh. Kiran Pramanik* Mob: 97110514 41 Off:011- 29583424 Email: cahwf@nic .in

It was noted that they had also requested that all communication related to this committee may also be marked to designstds-cwc@nic.in. The Committee agreed to the same.

2.1.4 An email requesting for re-co-opt in the sectional committee by mail dated January 03, 2024 was received by me from the Hindustan Construction Company Ltd (HCC)

The committee noted the request of HCC and decided to co-opt the following members in the committee; in the meanwhile, it was also decided to obtain the resume of the nominated members to ensure their suitability in the committee.

Principal Member	Name & Contact of Present Incumbent

Assistant General Manager - Engineerin g	Shri Harish M P Hindustan Construction Company Ltd Hincon House LBS Marg Vikhroli West Mumbai 400 083 India Tel: 91 22 25751000 / 1950 Mobile: 9972049484 Email: harish@hccindia.com Website: www.hccindia.com
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ITEM 3 WORKING DRAFTS UNDER CIRCULATION

3.1 Working Draft Indian Standard Method of Measurement of Building and Civil Engineering Works Part 6 Refractory Work [Third Revision of IS 1200 (Part 6)] CED (0270) WD

Committee discussed the working draft and suggested minor modifications. It was decided that the working draft may be revised as per the suggestions and may be issued in **WIDE CIRCULATION** for a period of 1 month for eliciting public comments.

3.2 Working Draft Indian Standard Method of Measurement of Building and Civil Engineering Works Part 11 Paving, Floor Finishes, Dado and Skirting [Fifth Revision of IS 1200 (Part 11)] CED (0257) WD

Committee discussed the working draft and suggested minor modifications. It was decided that all the provisions mentioned should be in line with the CPWD provisions as well; Shri Shailesh, CPWD volunteered to cross check the same. The Committee decided that, subsequent to verifying all the details, the draft may be issued in **WIDE CIRCULATION** for a period of 1 month for eliciting public comments.

3.3 Working Draft Indian Standard Method of Measurement of Building and Civil Engineering Works Part 13 ~~White Washing, Colour Washing, Distempering and Painting of building surfaces~~ [Sixth Revision of IS 1200 (Part 13)] CED (0271) WD

Committee discussed the working draft and suggested minor modifications. The members suggested that the name of the standard may be modified as Part 13, Painting of building surfaces, as the other methods mentioned in the former standard also gets covered under painting. It was also decided that all the provisions mentioned should be in line with the CPWD provisions as well; Shri Shailesh, CPWD volunteered to cross check the same. The Committee decided that, subsequent to verifying all the details, the draft may be issued in **WIDE CIRCULATION** for a period of 1 month for eliciting public comments.

3.4 Working Draft Indian Standard Method of Measurement of Building and Civil Engineering Works : Part 27 Earth Work done by Mechanical Appliances {Second Revision of IS 1200 (Part 27)}; CED (0261) WD

Committee discussed the working draft and suggested minor modifications. The committee also discussed the comments from Mr Ashok Grover, which was tabled during the meeting and are given below.

Sl. No	Clause/Para/Table/ Figure No.	Comments/Modified Wordings	Justification of the Proposed Change	Decision of the Committee
1	1.1	This standard (Part 27) covers the method of measurement of earthwork carried out by mechanical means in buildings and Civil Engineering works including transport tunnels	Highway and Railway tunnels are part of Civil Engineering works	The Committee noted that highway and railway tunnels were not covered under the scope of BIS.
2	2.2	All measurements must be in SI system	Measurements are being taken in FPS system and then converted in SI system	The Committee noted that the standard has given all measurements in SI units itself.
3	2.4	Work executed in underground shall be measured separately	The excavated material is a mixture of rocks and soil	The Committee noted that this is already in the standard.
4	2.5	The bill of quantities shall fully describe the material workmanship and actually represent the work to be executed with acceptable range of moisture content / void ratio.	Rocks have high void ratio and soil has moisture content.	The Committee noted that this is already covered in the standard.
5	4.3	Para 4.4 may be added to cater	Excavated materials in	The Committee agreed to the suggestion and

		<p>for measurement of excavated materials in tunnels where the quantity is to be measured by the carrying capacity in cubic metres of the haulage trucks/tippers taking due consideration of moisture content and void ratio.</p>	<p>tunnels are to be removed immediately after blasting to make way for further blasting.</p>	<p>decided to add the suggested paragraph in the standard.</p>
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It was decided that the working draft may be revised as per the decisions and may be issued in **WIDE CIRCULATION** for a period of 1 month for eliciting public comments.

ITEM 4 COMMENT ON PUBLISHED STANDARDS

4.1 IS 1200 (Part 5) : 2013 Methods of measurement of building and civil engineering works: Part 5 Formwork (third revision)

Committee decided to prepare a draft revision of IS 1200 (Part 5) : 2013 Methods of measurement of building and civil engineering works: Part 5 Formwork (third revision) including aluminum formwork and incorporating the decisions taken on the comments received from members and to circulate the same as a **working draft** to the members.

ITEM 5 PROGRAMME OF WORK

The Committee discussed the programme of work enclosed with the Agenda. It was noted that the revision of a good number of standards were underway and decided that we may archive the other pre 2000 standards so that they may be taken up for revision as we close the existing projects.

ITEM 6 ANY OTHER BUSINESS

Thanked all the members for their active participation and decided to have the next meeting on 03 April 2024.