

**Email****Manoj. BIS**

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**Fwd: Adoption of the Draft Indian Standard Tunnelling in Rock Masses - Guidelines: Part 2 Mechanized Tunnelling Methods by Tunnel Boring Machines [Doc: CED 48 (20381)], IS 15026 (Part 2) : 2023**

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**From :** hced <hced@bis.gov.in>

Tue, Aug 01, 2023 12:43 PM

**Subject :** Fwd: Adoption of the Draft Indian Standard Tunnelling in Rock Masses - Guidelines: Part 2 Mechanized Tunnelling Methods by Tunnel Boring Machines [Doc: CED 48 (20381)], IS 15026 (Part 2) : 2023**To :** Manoj. BIS <manoj@bis.gov.in>

Corrections have been marked on Tables 15 and 16 in the hardcopy (6 Pages) there are the same be incorporated and revised proof the updated before providing the gazette information.

Arunkumar S  
HCED

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**From:** "harinder dogra" <harinder.dogra@gmail.com>**To:** "hced" <hced@bis.gov.in>**Sent:** Tuesday, August 1, 2023 11:43:25 AM**Subject:** RE: Adoption of the Draft Indian Standard Tunnelling in Rock Masses - Guidelines: Part 2 Mechanized Tunnelling Methods by Tunnel Boring Machines [Doc: CED 48 (20381)], IS 15026 (Part 2) : 2023

Dear all,

Though I have approved the standard for adoption, but please see table 15 and 16 of this draft. Is it ok? Perhaps there is need to make it very clear. You may please examine and see.

Sincerely,

Mr. H.S. Dogra, B.E. (Civil), MBA  
Director General (Retd.) - C.P.W.D  
Arbitrator, Member, Governing Council - ICA  
Chairman, Civil Engineering Division Council - BIS  
Fellow, Institution of Engineers

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**From:** hced <hced@bis.gov.in>**Sent:** Tuesday, August 1, 2023 9:56 AM**To:** H Dogra <harinder.dogra@gmail.com>**Subject:** Fwd: Adoption of the Draft Indian Standard Tunnelling in Rock Masses - Guidelines: Part 2 Mechanized Tunnelling Methods by Tunnel Boring Machines [Doc: CED 48 (20381)], IS 15026 (Part 2) : 2023

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**From:** "hced" <[hced@bis.gov.in](mailto:hced@bis.gov.in)>  
**To:** "H Dogra" <[harinder.dogra@gmail.com](mailto:harinder.dogra@gmail.com)>  
**Cc:** "Manoj. BIS" <[manoj@bis.gov.in](mailto:manoj@bis.gov.in)>  
**Sent:** Wednesday, July 26, 2023 12:50:02 PM  
**Subject:** Adoption of the Draft Indian Standard Tunnelling in Rock Masses - Guidelines: Part 2 Mechanized Tunnelling Methods by Tunnel Boring Machines [Doc: CED 48 (20381)], IS 15026 (Part 2) : 2023

## Bureau of Indian Standards

मानक भवन, 9 बहादुरशाह जफर मार्ग, नई दिल्ली - 110 002  
Manak Bhavan, 9, Bahadur Shah Zafar Marg, New Delhi 110 002

26 July 2023

Our Ref: CED 48/T-53

**Subject: Adoption of the Draft Indian Standard Tunnelling in Rock Masses - Guidelines: Part 2 Mechanized Tunnelling Methods by Tunnel Boring Machines [Doc: CED 48 (20381)], IS 15026 (Part 2) : 2023 on behalf of the Civil Engineering Division Council**

Dear Shri Dogra,

In accordance with sub-rule (5) of rule 22 of BIS Rules 2018, I enclose a copy of the draft Indian Standard mentioned above finalized by the Rock Mechanics Sectional Committee, CED 48 in the light of comments received from important producers, consumers, technologists, and members of the Civil Engineering Division Council, CEDC.

Approval of the draft by the Chairperson, CED 48 is also forwarded herewith in the trailing e-mail.

It is requested that this note and its enclosure may be returned to this office as early as possible after the adoption of the above draft as Indian Standard, on behalf of the Civil Engineering Division Council.

Thanking you,

Yours faithfully,

**(Arunkumar S.)  
Head (Civil Engineering)**

Encl: As above

**Shri H.S. Dogra**  
(Chairman, CEDC)  
Flat No. 987  
Pocket B, Sector A

Vasant Kunj  
New Delhi 110070

**ADOPTED**

**(H.S. DOGRA)**  
Chairman, CEDC

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**From:** [samadhiyank@gmail.com](mailto:samadhiyank@gmail.com)  
**To:** "Manoj. BIS" <[manoj@bis.gov.in](mailto:manoj@bis.gov.in)>  
**Sent:** Monday, July 17, 2023 5:26:49 PM  
**Subject:** Re: BIS/CED48 - Authorization of the Draft Indian Standard Tunnelling in Rock Masses - Guidelines: Part 2 Mechanized Tunnelling Methods by Tunnel Boring Machines [Doc: CED 48 (20381)], IS 15026 (Part 2) : 2023

Approved and authorized.  
Samadhiya

On Mon, 17 Jul 2023, 17:16 Manoj. BIS, <[manoj@bis.gov.in](mailto:manoj@bis.gov.in)> wrote:

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**From:** "Manoj. BIS" <[manoj@bis.gov.in](mailto:manoj@bis.gov.in)>  
**To:** "samadhiyank" <[samadhiyank@gmail.com](mailto:samadhiyank@gmail.com)>, [nksamfce@iitr.ernet.in](mailto:nksamfce@iitr.ernet.in)  
**Sent:** Monday, July 3, 2023 6:21:59 PM  
**Subject:** BIS/CED48 - Authorization of the Draft Indian Standard Tunnelling in Rock Masses - Guidelines: Part 2 Mechanized Tunnelling Methods by Tunnel Boring Machines [Doc: CED 48 (20381)], IS 15026 (Part 2) : 2023

**भारतीय मानक ब्यूरो**  
**Bureau of Indian Standards**  
मानक भवन, 9 बहादुरशाह जफर मार्ग, नई दिल्ली - 110 002  
**Manak Bhavan, 9, Bahadur Shah Zafar Marg, New Delhi 110 002**

**Authorization**

**03 July 2023**

**Our Ref: CED 48/T-53**

**Subject: Authorization of the Draft Indian Standard Tunnelling in Rock Masses - Guidelines: Part 2 Mechanized Tunnelling Methods by Tunnel Boring Machines [Doc: CED 48 (20381)], IS 15026 (Part 2) : 2023**

Dr N. K. Samadhiya  
(Chairman, CED 48)  
Professor  
Department of Civil Engineering, IIT Roorkee,

Roorkee - 247667

Dear Sir,

In accordance with sub-rule (5) of rule 22 of BIS Rules 2018, I enclose a copy of the draft Indian Standards mentioned above finalized by Rock Mechanics Sectional Committee, CED 48 in light of comments received from important users, technologists and members of Civil Engineering Division Council, CEDC.

It is requested that this note and its enclosures may be returned to this office as early as possible recording your approval and authorization of the draft as Indian Standards on behalf of the **Rock Mechanics Sectional Committee, CED 48.**

Thanking you,

Yours faithfully,

**(Arunkumar. S)**  
Head (Civil Engineering)

Encl: As above

**AUTHORIZED & APPROVED**

Dr N. K. Samadhiya  
(Chairman, CED 48)

सादर / Regards

**डॉ मनोज कुमार रजक / Dr. Manoj Kumar Rajak**

वैज्ञानिक-डी / Scientist-D

सदस्य सचिव सी ई डी / Member Secretary CED

सिविल इंजीनियरिंग विभाग / Civil Engineering Department

भारतीय मानक ब्यूरो / Bureau of Indian Standards