<u>केन्द्रीय मुहर विभाग</u> –2

संदर्भ -: के मू वी-2/16:17483 (Part 1) 11 07 2023

विषय: **IS 17483 (Part 1):2020 के amendment no. 1 के अनुपालन के दिशा निर्देश**

यह उपरोक्त विषय के संदर्भ में है।

सक्षम अधिकारी द्वारा अनुमोदित दिशा निर्देश अनुपालन हेतु संलग्न है ।

अनोरोध है की दिशा निर्देशों का तत्काल प्रभाव से अनुपालन सुनिश्चित करें।

आदित्य दास
वैज्ञानिक D

<u>प्रमुख (के मू वी 2)</u>

सभी क्षेत्रीय/शाखा कार्यालय/प्रयोगशालाएँ/ TXD/LRMD

<u>CENTRAL MARKS DEPARTMENT-2</u>

Our Ref: CMD-2/16:17483 (Part 1) 11 07 2023

Subject: Guidelines for implementation of amendment no. 1 to IS 17483 (Part 1):2020

This has reference to the subject mentioned above.

The Competent Authority has approved the enclosed Guidelines for implementation.

It is requested to ensure the implementation of the above Guidelines with immediate effect.

(Aditya Das)
Scientist D

<u>Head (CMD-2)</u>
<u>DDG (Certification)</u>
All ROs/BOs/Labs/TXD/LRMD

CENTRAL MARKS DEPARTMENT-2

Our Ref:CMD-2/16:17483 (Part 1) Date: 11 07 2023

Subject: Guidelines for implementation of Amendment no. 1 to IS 17483 (Part 1):2020 (Geosynthetics - Geocells - Specification Part 1 Load Bearing Application)

1. Amendment no. 1 to IS 17483 (Part 1):2020 has been published. The last date of implementation of the amendment is **12 Dec 2023**.

2. The significant changes in the standard through this amendment as listed in the Table are given for the purpose of general guidance.

Clause No.	Change
3.1, Fig 2 (a), (b), (c)	Figure for expanded geocell has been modified for more clarity and figures for expanded geocell panel and template for measurement of expanded dimensions have been added for illustration
3.2	A clause has been inserted to define Style Number
5.2	Clause 5.2 has been modified to indicate that the template as per Fig 2 (c) to be used for measurement and to refer to Fig 2 (a) and 2 (b) for illustration
5.3	In the clause on texturing requirement, it has been added that surface density of indentation shall be measured with magnifying glass with minimum magnification of 10X
5.5	Clause on seam weld has been modified to change the requirement for ultrasonic weld melt pool width and modify the figures
Table 1 (xii)	The test method IS for High pressure oxidative induction time, has been changed from ISO 11357-6 to ASTM D 5885 (Correction)

3. Most of the changes to the standard through this amendment are editorial, none of which require any evidence of conformity to the amended standard to be established.

4. In view of the above, BOs are requested to circulate this amendment to licensees and applicants immediately within 7 days of issue of this circular.

5. No application for grant of licence and/or change in scope of licence shall be accepted or grant of licence/change in scope permitted without consideration of the amendment after **12 Dec 2023.**

6. The above guidelines come into force with immediate effect.

Aditya Das
Sc. D

Head (CMD-2)
DDG (Certification)

163542/2023/PUB & SALES

AMENDMENT NO. 1 MAY 2023

TO

IS 17483 (PART 1) : 2020 GEOSYNTHETICS — GEOCELLS — SPECIFICATION PART 1 LOAD BEARING APPLICATION

(*Second cover page, Foreword*) — Insert the following after para 5:

'The committee has reviewed the provisions of the following International Standard/Other publication referred in this standard and has decided that these are acceptable for use in conjunction with this standard:

International Standard/Other publication	*Title*
ASTM D 5885 : 2017	Standard test method for oxidative induction time of polyolefin geosynthetics by high-pressure differential scanning calorimetry'.

(*Page* 1, *clause* **3.1,** *Note*) — Substitute following for existing Note:

'NOTE — The profile of geocells are generally curvilinear rhomboidal structures [*see* Fig. 1 and Fig. 2 (a)].'

(*Page* 2, *Fig.* 2) — Substitute the following figures for existing:

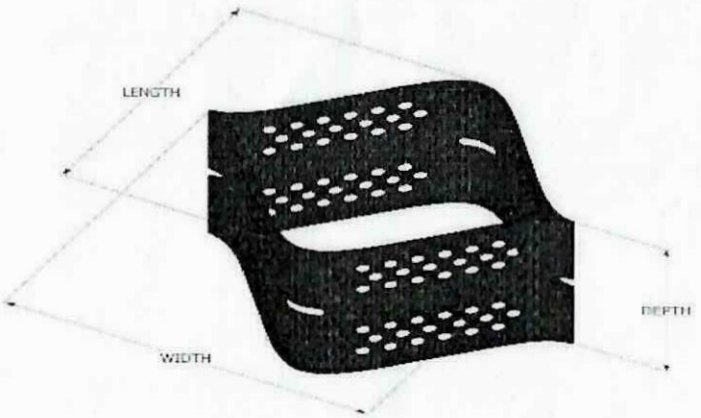

FIG. 2 (a) INDIVIDUAL EXPANDED CELL

Price Group 2

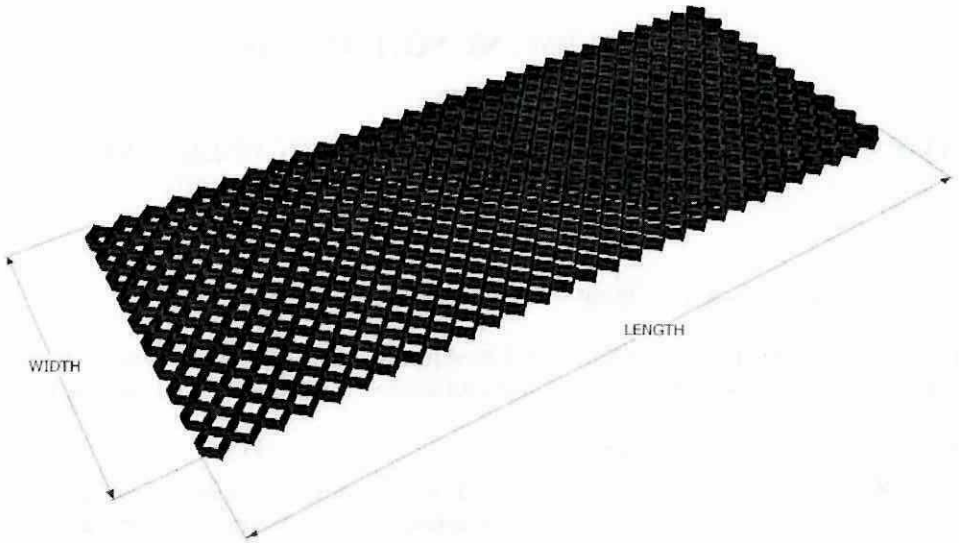

FIG. 2 (b) EXPANDED GEOCELL PANEL

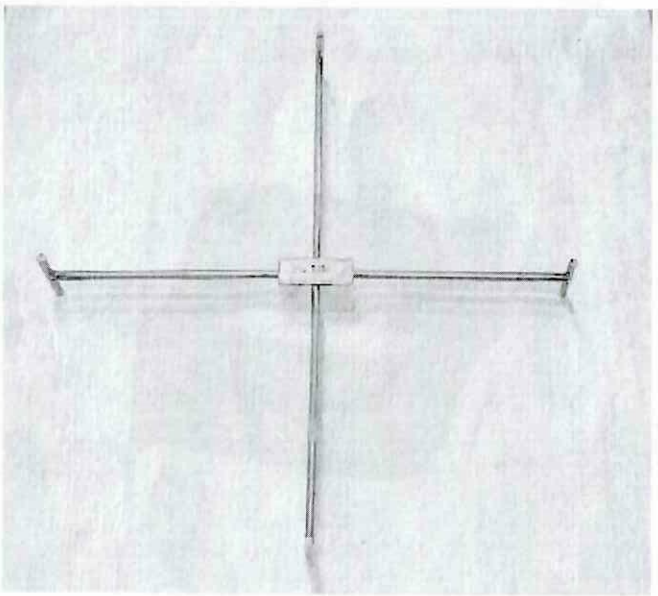

FIG. 2 (c) TEMPLATE TO MEASURE EXPANDED DIMENSIONS

(*Page* 1, *clause* **3.1**) — Insert the following new clause after **3.1**:

'**3.2 Style Number** — A theoretical number given to geocell, which refer to geocell with specific designed pocket size (mm) and cell depth (mm). For example, 'a × b' type geocell refers, geocell having 'a' mm geocell pocket size and 'b' mm cell depth.'

(*Page* 1, *clause* **5.2,** *first sentence*) — Substitute the following for the existing sentence:

'Geocells used for load bearing application shall have a depth ranging from 125 mm to 200 mm (*see* Note) and final geocell pockets size ranging from 300 mm to 445 mm, when measured by using template as shown in Fig. 2 (c). The expanded individual geocell and geocell panel are shown in Fig. 2 (a) and Fig. 2 (b) respectively for illustration.'

(*Page* 2, *clause* **5.3**, *second sentence*) — Substitute the following for the existing sentence:

'The indentations shall have a surface density of 22 to 32 per cm^2, when measured by using magnifying glass with minimum magnification of 10X.'

(*Page* 2, *clause* **5.5**) — Substitute the following for existing clause:

'5.5 Seam Weld

The adjoining strips that form the geocell panel shall be welded ultrasonically. The seam weld thus formed shall be uniform [*see* Fig. 5 (a)]. For uniform seam strength, ultrasonic weld melt pool width shall be 10 mm maximum [*see* Fig. 5(b)].'

(*Page* 2, *Fig.* 5) — Substitute following figures for existing:

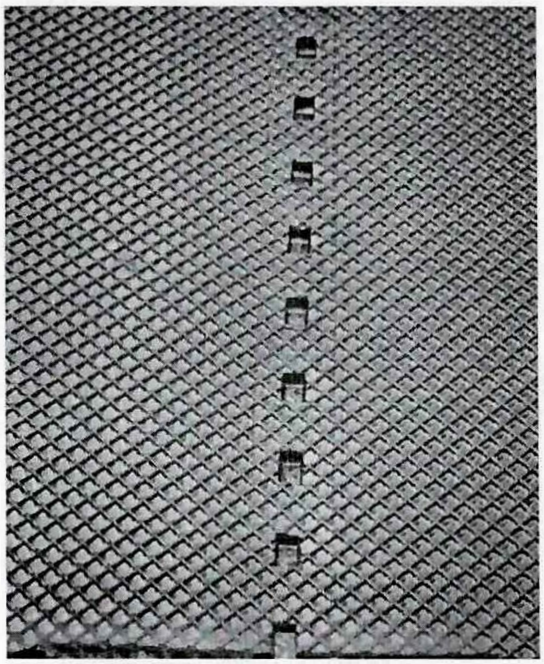

FIG. 5 (a) ULTRASONIC SEAM WELD

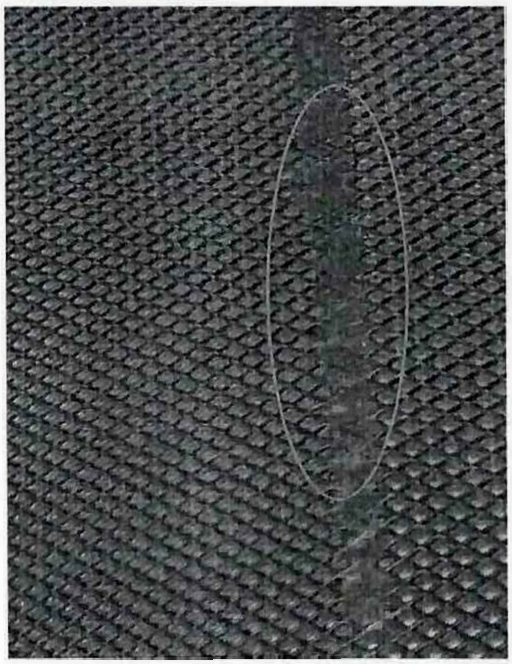

FIG. 5 (b) ULTRASONIC WELD MELT POOL

[(*Page* 3, *Table* 1, *Sl No.* (xii), *col* (4)] — Substitute 'ASTM D 5885' *for* 'ISO 11357-6'.

(TXD 30)

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