

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### TXD 35 : Technical Textiles for Agrotech Applications

**Scope:** To formulate Indian Standards for terminology, testing and specifications for technical textiles for agrotech application such as horticulture, agriculture, forestry and animal husbandry, etc.

**Liaison:**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 15351 : 2015 <span style="color: green;">Reviewed In : 2024</span>	Agro textiles – Laminated high density polyethylene (HDPE) woven geomembrane for water proof lining – Specification (second revision)	December, 2024	-	Indigenous
2	IS 15907 : 2010 <span style="color: green;">Reviewed In : 2024</span>	Agro textiles – High density polyethylene (HDPE) woven beds for vermiculture – Specification	December, 2024	2	Indigenous
3	IS 16008 (Part 1) : 2016 <span style="color: green;">Reviewed In : 2020</span>	Agro textiles – Shade nets for agriculture and horticulture purposes – Specification Part 1 Shade nets made from tape yarns (first revision)	May, 2020	1	Indigenous
4	IS 16008 (Part 2) : 2016 <span style="color: green;">Reviewed In : 2020</span>	Agro textiles – Shade nets for agriculture and horticulture purposes – Specification Part 2 Shade nets made from mono filament yarns (first revision)	May, 2020	1	Indigenous
5	IS 16089 : 2013 <span style="color: green;">Reviewed In : 2022</span>	Jute agro-textile – Sapling bags for growth of seedling/ sapling – Specification	May, 2022	1	Indigenous
6	IS 16190 : 2014 <span style="color: green;">Reviewed In : 2023</span>	Agro textiles - High density polyethylene (HDPE) laminated woven lay flat tube for irrigation purpose - Specification	September, 2023	3	Indigenous
7	IS 16202 : 2014 <span style="color: green;">Reviewed In : 2023</span>	Agro textiles - Woven ground covers for horticulture application - Specification	September, 2023	1	Indigenous
8	IS 16366 : 2015 <span style="color: green;">Reviewed In : 2024</span>	Glossary of terms used in agrotextile	December, 2024	-	Indigenous
9	IS 16390 : 2015 <span style="color: green;">Reviewed In : 2024</span>	Agro textiles - Nylon knitted seamless gloves for tobacco harvesters - Specification	December, 2024	-	Indigenous
10	IS 16513 : 2016 <span style="color: green;">Reviewed In : 2020</span>	Agro textiles – Insect nets for agriculture and horticulture purposes – Specification	May, 2020	3	Indigenous
11	IS 16627 : 2017	Agro textiles – High density polyethylene (HDPE) laminated	March, 2022	-	Indigenous

	Reviewed In : 2022	woven lay flat tube for use in mains and submains of drip irrigation system – Specification			
12	IS 16718 : 2021	Textiles - Polypropylene Spun Bonded Non-Woven Crop Covers and Fruit Skirting Bags for Agricultural and Horticultural Applications - Specification (first revision)		-	Indigenous
13	IS 17070 : 2019 Reviewed In : 2024	Jute agrotexiles for growth of plant and suppression of weeds – Specification	March, 2024	-	Indigenous
14	IS 17355 : 2020	Agro textiles – Propylene spun bonded non-woven mulch mat for agricultural and horticultural applications - Specification		-	Indigenous
15	IS 17356 : 2020	Agro textiles – Windshield nets for agriculture and horticulture purposes - Specification		-	Indigenous
16	IS 17357 : 2020	Agro textiles – Harvest nets for agriculture and horticulture purposes - Specification		-	Indigenous
17	IS 17358 (Part 1) : 2020	Agro textiles – Fencing nets for agriculture and horticulture purposes – Specification Part 1 Fencing nets made from extruded polymer mesh		-	Indigenous
18	IS 17358 (Part 2) : 2020	Agro textiles – Fencing nets for agriculture and horticulture purposes – Specification Part 2 Fencing nets made from mono filament yarns and combination of tape and mono filament yarns		-	Indigenous
19	IS 17513 : 2020	Agro Textiles - Plant Support Nets for Agriculture and Horticulture Purposes - Specification		-	Indigenous
20	IS 17728 : 2021	Agro Textiles - High Density Polyethylene (HDPE) Laminated Woven Lay Flat Tube and Fittings for use in Rain Irrigation System - Specification		-	Indigenous
21	IS 17729 : 2021	Agro-Textiles Flexible Water Storage Tank for Agriculture and Horticulture Purposes Specification		-	Indigenous
22	IS 17730 (Part 1) : 2021	Agro-Textiles Hail Protection Nets for Agriculture and Horticulture Purposes Specification Part 1 Warp Knitted Hail Protection Nets		2	Indigenous
23	IS 17730 (Part 2) : 2021	Agro-Textiles Hail Protection Nets for Agriculture and Horticulture Purposes Specification Part 2 Woven Hail Protection Nets		2	Indigenous
24	IS 17731 : 2021	Agro-Textiles Laminated Woven Orchard Protection Covers Specification		1	Indigenous
25	IS 18310 (Part 1) : 2023	AGRO TEXTILES BIRD PROTECTION NETS FOR AGRICULTURE AND		-	Indigenous

		HORTICULTURE PURPOSES SPECIFICATION PART 1 KNOTTED BIRD PROTECTION NETS			
26	IS 18310 (Part 2) : 2023	AGRO TEXTILES BIRD PROTECTION NETS FOR AGRICULTURE AND HORTICULTURE PURPOSES SPECIFICATION PART 2 KNITTED BIRD PROTECTION NETS		-	Indigenous
27	IS 18310 (Part 3) : 2023	AGRO TEXTILES BIRD PROTECTION NETS FOR AGRICULTURE AND HORTICULTURE PURPOSES SPECIFICATION PART 3 EXTRUDED BIRD PROTECTION NETS		-	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
1	TXD 35 (26187)	AGRO TEXTILES HIGH DENSITY POLYETHYLENE HDPE WOVEN BHUSA BAGS SPECIFICATION

#### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	TXD 35 (26188)	AGRO TEXTILES HIGH DENSITY POLYETHYLENE HDPE WOVEN GROW BAGS SPECIFICATION

#### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	TXD 35 (26184)	Agro Textiles High Density Polyethylene HDPE Woven Azolla Bed Specification

#### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
<i>No Records Found</i>		

**Total Published Standards:27 Total Standards Under development:3**

### Aspect Wise Report

Product : 26  
Code of Practices : 0  
Methods of Test : 0  
Terminology : 1  
Dimensions : 0  
System Standard : 0  
Safety Standard : 0  
Others : 0  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 16008 : 2012	Agro Textiles - Shade Nets for Agriculture and Horticulture Purposes - Specification

### Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 15351 : 2015 Reviewed In : 2024	Agro textiles Laminated high density polyethylene HDPE woven geomembrane for water proof lining Specification second revision
2	IS 15907 : 2010 Reviewed In : 2024	Agro textiles High density polyethylene HDPE woven beds for vermiculture Specification
3	IS 16008 (Part 1) : 2016 Reviewed In : 2020	Agro textiles Shade nets for agriculture and horticulture purposes Specification Part 1 Shade nets made from tape yarns first revision
4	IS 16008 (Part 2) : 2016 Reviewed In : 2020	Agro textiles Shade nets for agriculture and horticulture purposes Specification Part 2 Shade nets made from mono filament yarns first revision
5	IS 16089 : 2013 Reviewed In : 2022	Jute agro-textile Sapling bags for growth of seedling sapling Specification
6	IS 16190 : 2014 Reviewed In : 2023	Agro textiles - High density polyethylene HDPE laminated woven lay flat tube for irrigation purpose - Specification
7	IS 16202 : 2014 Reviewed In : 2023	Agro textiles - Woven ground covers for horticulture application - Specification
8	IS 16390 : 2015 Reviewed In : 2024	Agro textiles - Nylon knitted seamless gloves for tobacco harvesters - Specification
9	IS 16513 : 2016 Reviewed In : 2020	Agro textiles Insect nets for agriculture and horticulture purposes Specification
10	IS 16627 : 2017 Reviewed In : 2022	Agro textiles High density polyethylene HDPE laminated woven lay flat tube for use in mains and submains of drip irrigation system Specification
11	IS 16718 : 2021 ISO 17951-1:2016	Textiles - Polypropylene Spun Bonded Non-Woven Crop Covers and Fruit Skirting Bags for Agricultural and Horticultural Applications - Specification first revision
12	IS 17070 : 2019 Reviewed In : 2024	Jute agrotextiles for growth of plant and suppression of weeds Specification
13	IS 17355 : 2020	Agro textiles Propylene spun bonded non-woven mulch mat for agricultural and horticultural applications - Specification
14	IS 17356 : 2020	Agro textiles Windshield nets for agriculture and horticulture purposes - Specification
15	IS 17357 : 2020	Agro textiles Harvest nets for agriculture and horticulture purposes - Specification

16	IS 17358 (Part 1) : 2020	Agro textiles Fencing nets for agriculture and horticulture purposes Specification Part 1 Fencing nets made from extruded polymer mesh
17	IS 17358 (Part 2) : 2020	Agro textiles Fencing nets for agriculture and horticulture purposes Specification Part 2 Fencing nets made from mono filament yarns and combination of tape and mono filament yarns
18	IS 17513 : 2020	Agro Textiles - Plant Support Nets for Agriculture and Horticulture Purposes - Specification
19	IS 17728 : 2021 ISO 6185-1:2001	Agro Textiles - High Density Polyethylene HDPE Laminated Woven Lay Flat Tube and Fittings for use in Rain Irrigation System - Specification
20	IS 17729 : 2021 ISO 13975 : 2019	Agro-Textiles Flexible Water Storage Tank for Agriculture and Horticulture Purposes Specification
21	IS 17730 (Part 1) : 2021 ISO 22332: 2021	Agro-Textiles Hail Protection Nets for Agriculture and Horticulture Purposes Specification Part 1 Warp Knitted Hail Protection Nets
22	IS 17730 (Part 2) : 2021 ISO 12642-3: 2021	Agro-Textiles Hail Protection Nets for Agriculture and Horticulture Purposes Specification Part 2 Woven Hail Protection Nets
23	IS 17731 : 2021 ISO 17254:2016	Agro-Textiles Laminated Woven Orchard Protection Covers Specification
24	IS 18310 (Part 1) : 2023	AGRO TEXTILES BIRD PROTECTION NETS FOR AGRICULTURE AND HORTICULTURE PURPOSES SPECIFICATION PART 1 KNOTTED BIRD PROTECTION NETS
25	IS 18310 (Part 2) : 2023	AGRO TEXTILES BIRD PROTECTION NETS FOR AGRICULTURE AND HORTICULTURE PURPOSES SPECIFICATION PART 2 KNITTED BIRD PROTECTION NETS
26	IS 18310 (Part 3) : 2023	AGRO TEXTILES BIRD PROTECTION NETS FOR AGRICULTURE AND HORTICULTURE PURPOSES SPECIFICATION PART 3 EXTRUDED BIRD PROTECTION NETS