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 Reviewed In : 2019	Agro textiles – Laminated high density polyethylene (HDPE) woven geomembrane for water proof lining – Specification (second revision)	December, 2019	-	Indigenous
2	IS 15907 : 2010 Reviewed In : 2019	Agro textiles – High density polyethylene (HDPE) woven beds for vermiculture – Specification	December, 2019	2	Indigenous
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)	May, 2020	1	Indigenous
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)	May, 2020	1	Indigenous
5	IS 16089 : 2013 Reviewed In : 2022	Jute agro-textile – Sapling bags for growth of seedling/ sapling – Specification	May, 2022	1	Indigenous
6	IS 16190 : 2014 Reviewed In : 2018	Agro textiles - High density polyethylene (HDPE) laminated woven lay flat tube for irrigation purpose - Specification	September, 2018	3	Indigenous
7	IS 16202 : 2014 Reviewed In : 2018	Agro textiles - Woven ground covers for horticulture application - Specification	September, 2018	-	Indigenous
8	IS 16366 : 2015 Reviewed In : 2019	Glossary of terms used in agrotextile	December, 2019	-	Indigenous
9	IS 16390 : 2015 Reviewed In : 2019	Agro textiles - Nylon knitted seamless gloves for tobacco harvesters - Specification	December, 2019	-	Indigenous
10	IS 16513 : 2016 Reviewed In : 2020	Agro textiles – Insect nets for agriculture and horticulture purposes – Specification	May, 2020	2	Indigenous
11	IS 16627 : 2017	Agro textiles – High density polyethylene (HDPE) laminated	March, 2022	-	Indigenous

12 18 16718 : 2021 Testiles - Propylene Spun Specification Foresting Specification F		Reviewed In: 2022	woven lay flat tube for use in	1		
Irrigation system — Specification Indigenous Indige		Reviewed III: 2022	_			
Textiles - Polypropylene Spun			<u> </u>			
Bonded Non-Woven Crop Covers and Print Skirting Bags for Agricultural and Horticultural Applications - Specification (first revision) 13	10	IC 16710 2021				T., 1'
and Fruit Skirting Bags for Agricultural and Horticultural Applications Specification (first revision)	12	15 16/18 : 2021			-	inaigenous
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25 IS 18310 (Part 1): AGRO TEXTILES BIRD - Indigenous PROTECTION NETS FOR			Orchard Protection Covers			
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		HORTICULTURE PURPOSES SPECIFICATION PART 1 KNOTTED BIRD PROTECTION NETS		
26	IS 18310 (Part 2):	AGRO TEXTILES BIRD	-	Indigenous
	2023	PROTECTION NETS FOR		
		AGRICULTURE AND		
		HORTICULTURE PURPOSES		
		SPECIFICATION PART 2		
		KNITTED BIRD PROTECTION		
		NETS		
27	IS 18310 (Part 3):	AGRO TEXTILES BIRD	-	Indigenous
	2023	PROTECTION NETS FOR		
		AGRICULTURE AND		
		HORTICULTURE PURPOSES		
		SPECIFICATION PART 3		
		EXTRUDED BIRD		
		PROTECTION NETS		

Standards under Development

	Projects Approved		
SI. No.	SI. No. Doc No. Title		
	No Records Found		

	Preliminary Draft Standards		
SI. No.	Doc No.	Title	
1	TXD 35 (26184)	AGRO TEXTILES HIGH DENSITY POLYETHYLENE HDPE WOVEN AZOLLA BEDS	
		SPECIFICATION	
2	TXD 35 (26187)	AGRO TEXTILES HIGH DENSITY POLYETHYLENE HDPE WOVEN BHUSA BAGS SPECIFICATION	
3	TXD 35 (26188)	AGRO TEXTILES HIGH DENSITY POLYETHYLENE HDPE WOVEN GROW BAGS SPECIFICATION	

	Drafts Standards in WC Stage		
SI. No.	SI. No. Doc No. Title		
No Records Found			

	Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title	
1	TXD 35 (25717)	Agro textiles Insect nets for agriculture and horticulture purposes Specification Amendment 3	

Finalized Draft Indian Standard		
SI. No.	Doc No.	Title
No Records Found		

	Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title	
1	TXD 35 (25699)	Agro textiles Woven ground covers for horticulture application Specification Amendment - 1	
2	TXD 35 (25707)	Agro Textiles Hail Protection Nets for Agriculture and Horticulture Purposes Specification Part 1 Warp Knitted Hail Protection Nets Amendment - 2	

Γ	3	TXD 35 (25708)	Agro Textiles Hail Protection Nets for Agriculture and Horticulture Purposes Specification Part 2
			Woven Hail Protection Nets Amendment 2
	4	TXD 35 (25712)	Agro Textiles Laminated Woven Orchard Protection Covers Specification Amendment 1

Total Published Standards:27 Total Standards Under development:8

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

SI. 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

SI. No.	IS No. & Year	Title
1	IS 15351 : 2015	Agro textiles Laminated high density polyethylene HDPE woven geomembrane for water proof lining Specification second revision
	Reviewed In: 2019	mining opermention second revision
2	IS 15907 : 2010	Agro textiles High density polyethylene HDPE woven beds for vermiculture Specification
	Reviewed In: 2019	
3	IS 16008 (Part 1): 2016	Agro textiles Shade nets for agriculture and horticulture purposes Specification Part 1 Shade nets
		made from tape yarns first revision
	Reviewed In: 2020	
4	IS 16008 (Part 2): 2016	Agro textiles Shade nets for agriculture and horticulture purposes Specification Part 2 Shade nets
		made from mono filament yarns first revision
	Reviewed In: 2020	
5	IS 16089 : 2013	Jute agro-textile Sapling bags for growth of seedling sapling Specification
	Reviewed In: 2022	
6	IS 16190 : 2014	Agro textiles - High density polyethylene HDPE laminated woven lay flat tube for irrigation
	Reviewed In: 2018	purpose - Specification
7	IS 16202 : 2014	Agro textiles - Woven ground covers for horticulture application - Specification
	Reviewed In: 2018	
8	IS 16390 : 2015	Agro textiles - Nylon knitted seamless gloves for tobacco harvesters - Specification
	Reviewed In: 2019	
9	IS 16513 : 2016	Agro textiles Insect nets for agriculture and horticulture purposes Specification
	Reviewed In: 2020	
10	IS 16627 : 2017	Agro textiles High density polyethylene HDPE laminated woven lay flat tube for use in mains and
		submains of drip irrigation system Specification
	Reviewed In: 2022	
11	IS 16718 : 2021	Textiles - Polypropylene Spun Bonded Non-Woven Crop Covers and Fruit Skirting Bags for
	ISO 17951-1:2016	Agricultural and Horticultural Applications - Specification first revision
12	IS 17070 : 2019	Jute agrotextiles for growth of plant and suppression of weeds Specification
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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 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 HORTICULTUR PURPOSES SPECIFICATION PART 1 KNOTTED BIRD PROTECTION NETS
25	IS 18310 (Part 2): 2023	AGRO TEXTILES BIRD PROTECTION NETS FOR AGRICULTURE AND HORTICULTUR PURPOSES SPECIFICATION PART 2 KNITTED BIRD PROTECTION NETS
26	IS 18310 (Part 3): 2023	AGRO TEXTILES BIRD PROTECTION NETS FOR AGRICULTURE AND HORTICULTUR PURPOSES SPECIFICATION PART 3 EXTRUDED BIRD PROTECTION NETS