

Sr No	BIS Code	IRC	MoRTH	RDSO
1	IS 16345:2020 Geosynthetics-Guidelines for installation of Geotextile used in Subgrade Separation in pavement Structures	IRC 112:2020(1st Revision) Code of Practice for Concrete Road Bridges	MoRTH-2013 Specifications for Road and Bridge Works	IRS-0006:2019 Specification for Geocomposite drain to be used behind bridge abutment/Retaining wall
2	IS 17371:2020 Geosynthetics-Geogrids for Flexible Pavements-Specification	IRC 113:2013 Guidelines for the Design and Construction of Geosynthetic Reinforced Embankments on Soft Soils		IRS-0004 Part-II:2019 Specification for Geocomposite drain to be used at the base of the Embankment for Railway Formation
3	IS 17372:2020 Geosynthetics-Polymeric strip/Geostrip used as soil reinforcement in Retaining Structures-Specification	IRC 75:2015 Guidelines for the Design of High Embankments		IRS-0004 Part-I:2019 Specification for Non-woven geotextile to be used as separator/filtration layer for Railway
4	IS 17483 (Part 1) : 2020 Geosynthetics — Geocells — Specification Part 1 Load Bearing Application	IRC 121:2017 Guidelines for use of construction and demolition waste in road sector		IRS-0004 Part-I:2018 Specification for Geogrid to be used as reinforcement/stabilisation for Railway formation
5	IS 17483 (Part 2) : 2020 Geosynthetics — Geocells — Specification Part 2 Slope Erosion Protection Application	IRC 122:2017 Guidelines for construction of precast concrete segmental box culverts		Specification No. RDSO/2020/GE: IRS-0004 COMPREHENSIVE GUIDELINES AND SPECIFICATIONS FOR RAILWAY FORMATION
6	IS 17374 : 2020 Geosynthetics — Reinforced HDPE Membrane for Effluents and Chemical Resistance Lining — Specification	IRC 37:2018 (4th Revision) Guidelines for the design of flexible pavements		RDSO/2007/GE:G-0008 Guidelines for Application of Jute Geotextile in Railway Embankments and Hill Slopes
7	IS 17368 : 2020 Geosynthetics — Determination of Damage to Geosynthetic Caused During Installation	IRC 52:2019 Guidelines for the alignment survey and geometric design of hill roads		GE:G-4,FEB2005 Guidelines on Erosion Control and Drainage of Railway Formation
8	IS 16380:2020 Geosynthetics — Method of Test for Measuring Pullout Resistance of Geosynthetics in Soil	IRC 56:2011(1st Revision) Recommended Practices for Treatment of Embankment and		RDSO/2007/GE:G-0011 Guideline for Geotechnical Engineering Organization in Zonal
9	IS 15869:2020 Textiles — Open Weave CoirBhoovastra — Specification	IRC 75:2015(1st Revision) Guidelines for the Design of High Embankments		RDSO/2020/GE:G-0022 Guidelines for application of Coir Geotextiles in railway embankments and natural hill slopes & cuttings
10	IS 16391:2020 Geosynthetics-Geotextiles used in subgrade stabilization in pavement structures-specification	IRC 89:2019(2nd Revision) Guidelines for Design and Construction of River Training & Control Works for Road Bridges		
11	IS 17373 : 2020 Geosynthetics — Geogrids used in Reinforced Soil Retaining Structures — Specification	IRC 105:2019(1st Revision) Specifications for Dense Bituminous Macadam and Bituminous Concrete for Airfield Pavements		

12	IS 16014: 2015 Geosynthetics — Geotextiles Used in Sub-Grade Separation in Pavement Structures — Sp	IRC 118:2015 Guidelines for Design and Construction of Continuously Reinforced Concrete Pavement (CRCP)		
13	IS 16654: 2017 Geosynthetics-Polypropylene multifilament woven geobags for coastal and waterways protection-Specification	IRC SP-30:2019 (3rd Revision) Manual on Economic Evaluation of Highway Projects in India		
14	IS 16653:2017 Geosynthetics-Needle punched nonwoven geobags for coastal and waterways protection-Specification	IRC SP-6:2014 Standard Specifications and Code of Practice for Road Bridges Section : II		
15	IS 16362:2020 Geosynthetics-Geotextiles used in subgrade stabilizatoin in pavement structures-specification	IRC SP-58:2001 Guidelines for use of fly ash in Road Embankments		
16		IRC SP-59:2019(1st Revision) Guidelines for use of geosynthetics in road pavements and associated works		
17		IRC SP-102:2014 Guidelines for Design and Construction of Reinforced Soil Walls		
18		IRC SP-84:2019(2nd Revision) Manual of Specifications and Standards for four laning of Highways		
19		IRC SP-87:2019(2nd Revision) Manual of Specifications and Standards for six laning of Highways		
20		IRC SP-89 part-II:2018 Guidelines for the Design of Stabilized Pavements		
21		IRC SP-99:2013 Manual of Specifications and Standards for Expressways`		
22		IRC SP-106:2015 Engineering Guidelines on Landslide Mitigation Measures for Indian Roads		
23		IRC SP-116:2018 Guidelines for Design and Installation of Gabion Structures		
24		IRC SP-36:2018(1st Revision) Guidelines for IRC Standards		