

BUREAU OF INDIAN STANDARDS

Program of Work

FAD 20 : Agriculture And Food Processing Equipments

Scope: A) Equipment for primary processing operations like cleaning, grading, shelling, washing, polishing, drying and testing for food grains, seeds & horticulture produce. B) Equipment and system for secondary processing like milling, expelling, extraction, crushing of food grains, & horticulture produce. C) By product handling and processing equipments D) Equipment for value addition to agricultural product and by products including packaging E) Crop residue utilization

Liaison: **ISO TC-326 (P): Machinery intended for use with foodstuffs**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10048 : 2024	Rice Length Grader - Specification and Test Code (Third Revision of IS 10048)		-	Indigenous
2	IS 10507 : 2024	PADDY SEPARATOR " " SPECIFICATION AND TEST CODE (Second Revision of IS 10507)		-	Indigenous
3	IS 10520 : 2024	Agricultural produce milling machinery-emery stones for burr flour mills - Specification and Test code (second revision)		-	Indigenous
4	IS 10892 : 1984 Reviewed In : 2020	Recommendations for Aperture Size of Sieves for Seed Cleaners	June, 2020	-	Indigenous
5	IS 10892 : 2024	Recommendations for aperture size of sieves for Seed cleaners		-	Indigenous
6	IS 11032 : 2021	Rotary Screen-type Precleaner		-	Indigenous
7	IS 11041 : 1984 Reviewed In : 2020	Specification for Air - Screen Seed Cleaner	June, 2020	-	Indigenous
8	IS 11459 : 1985 Reviewed In : 2022	Specification for Power - Operated Chaff Cutter	February, 2022	1	Indigenous
9	IS 11459 : 2024	Power-Operated Chaff Cutter - Specification and Test Code (First Revision)		-	Indigenous
10	IS 11473 : 2002 Reviewed In : 2022	Groundnut Decorticator - Test Code (First Revision)	February, 2022	-	Indigenous
11	IS 11787 : 2024	Paddy Dehusker - Rubber Roller Type - Specification (first revision)		-	Indigenous
12	IS 11834 : 2023	Rice Milling "½" Symbols and Flow Diagram (First Revision)		-	Indigenous
13	IS 12064 : 2023	PADDY PARBOILING CODE OF PRACTICE First Revision of IS 12064		-	Indigenous

14	IS 12396 : 2024	PADDY CLEANERS â€” SPECIFICATION First Revision of IS 12396		-	Indigenous
15	IS 12411 : 2024	PADDY DEHUSKER â€” CENTRIFUGAL TYPE â€” SPECIFICATION First Revision of IS 12411		-	Indigenous
16	IS 12576 : 1989 Reviewed In : 2020	Seed Processing Machinery - Indented Cylinder Grader - Test Code	June, 2020	1	Indigenous
17	IS 12792 : 2024	AGRICULTURAL PRODUCE MILLING MACHINERY â€” MINI RICE MILL â€” SPECIFICATION First Revision of IS 12792		-	Indigenous
18	IS 12833 : 2024	Agricultural produce milling - Machinery - Roller flour mills - Terminology and flow diagram		-	Indigenous
19	IS 12833 : 1989 Reviewed In : 2020	Agricultural Produce Milling Machinery - Roller Flour Mills - Flow Diagram	June, 2020	-	Indigenous
20	IS 13793 : 2024	Agricultural Produce Milling Machinery ĩ½ Milling of Pulses ĩ½ Terminology and Flow Diagram		-	Indigenous
21	IS 13793 : 1993 Reviewed In : 2020	Agricultural Produce Milling Machinery - Milling of Pulses - Flow Diagram	June, 2020	1	Indigenous
22	IS 14442 : 1997 Reviewed In : 2023	Agricultural Produce Milling Machinery - Burr Mill - Test Code	June, 2023	-	Indigenous
23	IS 14442 : 2024	Agricultural Produce Milling Machinery - Burr Mill - Specification and Test Code (FIRST REVISION)		-	Indigenous
24	IS 14460 : 2024	Seedgrain processing equipment - Gravity separator â€” Specification and Test code (first revision)		-	Indigenous
25	IS 14603 : 2023	POTATO GRADER TEST CODE First Revision of IS 14603		-	Indigenous
26	IS 15542 : 2005 Reviewed In : 2020	Power - Operated Chaff Cutter - Safety Requirements	June, 2020	-	Indigenous
27	IS 15561 : 2005 Reviewed In : 2020	Sugarcane Crushers - Safety Requirements	June, 2020	1	Indigenous
28	IS 15829 : 2009 Reviewed In : 2020	Cassava Chipping Machine - Hand Operated - Specification	June, 2020	-	Indigenous
29	IS 15831 : 2009 Reviewed In : 2020	Grader - Citrus - Size Based	June, 2020	-	Indigenous
30	IS 15855 : 2010 Reviewed In : 2020	Cotton Seed Delinting Machinery - Surge Bin Machine - Specification	June, 2020	-	Indigenous
31	IS 15856 : 2010 Reviewed In : 2020	Cotton Seed Delinting Machinery - Pre-Heating Machine - Specification	June, 2020	-	Indigenous
32	IS 15857 : 2009 Reviewed In : 2020	Cotton Seed Delinting Machinery Mobile - Charging Machine - Specification	June, 2020	-	Indigenous
33	IS 15858 : 2013 Reviewed In : 2023	Cotton Seed Delinting Machinery - Delinting Machine with Electrical Heating and Hydraulic System -	June, 2023	-	Indigenous

		Specification			
34	IS 15859 : 2013 Reviewed In : 2023	Cotton Seed Delinting Machinery - Buffing Machine With Air Jet and Nylon Brush - Specification	June, 2023	-	Indigenous
35	IS 15860 : 2013 Reviewed In : 2023	Cotton Seed Delinting Machinery - Ammonia Cotton Seed Neutralizer Machine With Ammonia Vaporizer - Specification	June, 2023	-	Indigenous
36	IS 15861 : 2013 Reviewed In : 2023	Cotton Seed Delinting Machinery - Pollution Control System with Scrubber, Cyclone, Chimney, Hoods and Ducting - Specification	June, 2023	-	Indigenous
37	IS 15862 : 2013 Reviewed In : 2023	Cotton Seed Delinting Machinery - HCL Gas Generation Unit - Specification	June, 2023	-	Indigenous
38	IS 15863 : 2009 Reviewed In : 2020	Cotton Seed Delinting Machinery - Inclined Flight Belt Conveyor - Specification	June, 2020	-	Indigenous
39	IS 17754 (Part 1) : 2022 11520-1:1997 11520-1:1997	Agricultural grain driers - Determination of drying performance-Part1:General		-	Identical under dual numbering
40	IS 17754 (Part 2) : 2022 11520-2:2001 11520-2:2001	Agricultural grains driers - Determination of drying performance - Part 2 Additional procedures and Crop Specific requirements		-	Identical under dual numbering
41	IS 17853 : 2022	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE KERNEL - SPECIFICATION		-	Indigenous
42	IS 17854 : 2022	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE - SPECIFICATION		-	Indigenous
43	IS 18145 : 2023	Vegetable Cutting Machine		-	Indigenous
44	IS 18267 : 2023	Food Serving Utensils Made From Agri By-Products i _c ½ Specifications		-	Indigenous
45	IS 18313 : 2023	DEHUSKER SHELLER FOR MAIZE SPECIFICATION		-	Indigenous
46	IS 19039 : 2023	Cleaner Cum Grader for Millets With Pre-Cleaner - Specification and Test Code		-	Indigenous
47	IS 19040 : 2023	Millet Dehusker i _c ½ Centrifugal Type i _c ½ Specification And Test Code		-	Indigenous
48	IS 19041 : 2023	DESTONER FOR MILLETS - SPECIFICATION AND TEST CODE		-	Indigenous
49	IS 19042 : 2023	SYMBOLS AND FLOW DIAGRAM FOR PRIMARY PROCESSING OF MILLETS		-	Indigenous
50	IS 1973 : 1999 Reviewed In : 2020	Sugarcane Crushers - Specification (Third Revision)	June, 2020	-	Indigenous
51	IS 5718 : 2000 Reviewed In : 2020	Agricultural Produce Processing Equipment - Seed Cleaners - Test Code (Second Revision)	June, 2020	-	Indigenous

52	IS 6997 : 2021	Test code for sugarcane crushers		-	Indigenous
53	IS 7051 : 2023	POWER OPERATED MAIZE SHELLERS - SPECIFICATION First Revision of IS 7051		-	Indigenous
54	IS 7897 : 1975 <i>Reviewed In : 2022</i>	Test Code for Chaff Cutter	February, 2022	1	Indigenous
55	IS 7898 : 2024	Manually Operated Chaff Cutter - Specification and Test Code(Third Revision)		-	Indigenous
56	IS 8108 (Part 1) : 2019	Methods of Test for Grain Dryers : Part 1 Selection and Preparation for Test (Second Revision)	-	-	Indigenous
57	IS 8108 (Part 2) : 1984 <i>Reviewed In : 2022</i>	Test Code for Grain Dryers : Part 2 Method of Tests for Continuous Dryers	February, 2022	-	Indigenous
58	IS 8108 (Part 3) : 1985 <i>Reviewed In : 2022</i>	Test Code for Grain Dryers : Part 3 Methods of Tests for In-Silo Dryers	February, 2022	-	Indigenous
59	IS 8420 : 2000 <i>Reviewed In : 2020</i>	Grain Dryers - Glossary of Terms (First Revision)	June, 2020	-	Indigenous
60	IS 8427 : 2023	AGRICULTURAL PRODUCE MILLING MACHINERY RUBBER ROLL FOR PADDY DEHUSKER SPECIFICATION Second Revision of IS 8427		-	Indigenous
61	IS 8440 : 2023	PADDY CLEANERS TEST CODE		-	Indigenous
62	IS 8824 (Part 1) : 2022	Electrical Moisture Meters $i_c^{1/2}$ Specification: Part 1 Food Grains Seeds And Flour (First Revision)		-	Indigenous
63	IS 9049 : 2023	AGRICULTURAL PRODUCE MILLING MACHINERY PADDY DEHUSKER RUBBER ROLL TYPE TEST CODE Second Revision of IS 9049		-	Indigenous
64	IS 9555 : 2024	RICE POLISHER "â€” SPECIFICATION Third Revision of IS 9555		-	Indigenous
65	IS 9981 : 2020	Agricultural Produce Processing Equipment — Glossary of Terms (Second Revision)	-	-	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	FAD 20 (24661)	Mobile agro-processing equipment unit for food grains - Safety requiremens
2	FAD 20 (26505)	Power operated coconut dehusker - Specificaiton and Test code
3	FAD 20 (26507)	Agricultural produce milling machinery - Hammer mill - Specification and Test code

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	FAD 20 (17388)	Seeds grain processing and storage - Glossary of terms
2	FAD 20 (20567)	Spiral grader - Test code
3	FAD 20 (20568)	Seed cotton cylinder cleaners - Test code
4	FAD 20 (24260)	Air-screen seed grain cleaner - Specification and Test code
5	FAD 20 (24575)	Seed grain processing machinery - Indented cylinder grader - Test code

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	FAD 20 (21688)	Root and tuber vegetable washer - Continuous type - Specification and Test code
2	FAD 20 (24218)	Pearler cum polisher for millets - Specification and Test code

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	FAD 20 (25325) Revision of: IS 18267:2023	Food serving utensils made from agri by-products - Specification
2	FAD 20 (25827)	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE - SPECIFICATION Amendment - 1

Total Published Standards:56 Total Standards Under development:12

Aspect Wise Report

Product : 37
Code of Practices : 3
Methods of Test : 13
Terminology : 4
Dimensions : 1
System Standard : 0
Safety Standard : 2
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 1511 : 1979 Reviewed In : 2022	Specification for Blades for Manually - Operated Chaff Cutter Second Revision
2	IS 7052 : 1973 Reviewed In : 2021	Test Code for Power Maize Shellers

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10048 : 2024	Rice Length Grader - Specification and Test Code Third Revision of IS 10048
2	IS 10507 : 2024	PADDY SEPARATOR SPECIFICATION AND TEST CODE Second Revision of IS 10507

3	IS 10520 : 2024	Agricultural produce milling machinery-emery stones for burr flour mills - Specification and Test code second revision
4	IS 11032 : 2021 ISO/IEC 24735:2021	Rotary Screen-type Precleaner
5	IS 11041 : 1984 Reviewed In : 2020	Specification for Air - Screen Seed Cleaner
6	IS 11459 : 2024	Power-Operated Chaff Cutter - Specification and Test Code First Revision
7	IS 11787 : 2024	Paddy Dehusker - Rubber Roller Type - Specification first revision
8	IS 12396 : 2024	PADDY CLEANERS SPECIFICATION First Revision of IS 12396
9	IS 12411 : 2024	PADDY DEHUSKER CENTRIFUGAL TYPE SPECIFICATION First Revision of IS 12411
10	IS 12792 : 2024	AGRICULTURAL PRODUCE MILLING MACHINERY MINI RICE MILL SPECIFICATION First Revision of IS 12792
11	IS 14442 : 2024	Agricultural Produce Milling Machinery - Burr Mill - Specification and Test Code FIRST REVISION
12	IS 14460 : 2024	Seedgrain processing equipment - Gravity separator Specification and Test code first revision
13	IS 15829 : 2009 Reviewed In : 2020	Cassava Chipping Machine - Hand Operated - Specification
14	IS 15831 : 2009 Reviewed In : 2020	Grader - Citrus - Size Based
15	IS 15855 : 2010 Reviewed In : 2020	Cotton Seed Delinting Machinery - Surge Bin Machine - Specification
16	IS 15856 : 2010 Reviewed In : 2020	Cotton Seed Delinting Machinery - Pre-Heating Machine - Specification
17	IS 15857 : 2009 Reviewed In : 2020	Cotton Seed Delinting Machinery Mobile - Charging Machine - Specification
18	IS 15858 : 2013 Reviewed In : 2023	Cotton Seed Delinting Machinery - Delinting Machine with Electrical Heating and Hydraulic System - Specification
19	IS 15859 : 2013 Reviewed In : 2023	Cotton Seed Delinting Machinery - Buffing Machine With Air Jet and Nylon Brush - Specification
20	IS 15860 : 2013 Reviewed In : 2023	Cotton Seed Delinting Machinery - Ammonia Cotton Seed Neutralizer Machine With Ammonia Vaporizer - Specification
21	IS 15861 : 2013 Reviewed In : 2023	Cotton Seed Delinting Machinery - Pollution Control System with Scrubber Cyclone Chimney Hoods and Ducting - Specification
22	IS 15862 : 2013 Reviewed In : 2023	Cotton Seed Delinting Machinery - HCL Gas Generation Unit - Specification
23	IS 15863 : 2009 Reviewed In : 2020	Cotton Seed Delinting Machinery - Inclined Flight Belt Conveyor - Specification
24	IS 17853 : 2022 ISO/TR19024:2016	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE KERNEL - SPECIFICATION
25	IS 17854 : 2022 IEC 60384-14-1: 2016	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE - SPECIFICATION
26	IS 18145 : 2023	Vegetable Cutting Machine
27	IS 18267 : 2023	Food Serving Utensils Made From Agri By-Products Specifications
28	IS 18313 : 2023	DEHUSKER SHELLER FOR MAIZE SPECIFICATION
29	IS 19039 : 2023	Cleaner Cum Grader for Millets With Pre-Cleaner - Specification and Test Code
30	IS 19040 : 2023	Millet Dehusker Centrifugal Type Specification And Test Code
31	IS 19041 : 2023	DESTONER FOR MILLETS - SPECIFICATION AND TEST CODE

32	IS 1973 : 1999 Reviewed In : 2020	Sugarcane Crushers - Specification Third Revision
33	IS 7051 : 2023	POWER OPERATED MAIZE SHELLERS - SPECIFICATION First Revision of IS 7051
34	IS 7898 : 2024	Manually Operated Chaff Cutter - Specification and Test Code Third Revision
35	IS 8427 : 2023	AGRICULTURAL PRODUCE MILLING MACHINERY RUBBER ROLL FOR PADDY DEHUSKER SPECIFICATION Second Revision of IS 8427
36	IS 8824 (Part 1) : 2022 IEC TR 63292: 2020	Electrical Moisture Meters Specification Part 1 Food Grains Seeds And Flour First Revision
37	IS 9555 : 2024	RICE POLISHER SPECIFICATION Third Revision of IS 9555