

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** **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 10892:2024	Recommendations for aperture size of sieves for Seed cleaners		-	Indigenous
5	IS 11032:2021	Rotary Screen-type Precleaner		-	Indigenous
6	IS 11041:1984	Specification for Air - Screen Seed Cleaner	June, 2020	-	Indigenous
7	IS 11041:2025	Air-screen seed/grain cleaner - Specification and Test code		-	Indigenous
8	IS 11459:2024	Power-Operated Chaff Cutter - Specification and Test Code (First Revision)		-	Indigenous
9	IS 11473:2002	Groundnut Decorticator - Test Code (First Revision)	February, 2022	-	Indigenous
10	IS 11787:2024	Paddy Dehusker - Rubber Roller Type - Specification (first revision)		-	Indigenous
11	IS 11834:2023	Rice Milling "½ Symbols and Flow Diagram (First Revision)		-	Indigenous
12	IS 12047:1987	Specification for Oil Seed Cookers / kettles, Horizontal Type	June, 2025	1	Indigenous
13	IS 12064:2023	PADDY PARBOILING CODE OF PRACTICE First Revision of		-	Indigenous

		IS 12064			
14	IS 12230:1987	Specification for sandwich bread moulds	December, 2020	1	Indigenous
15	IS 12396:2024	PADDY CLEANERS â€™” SPECIFICATION First Revision of IS 12396		-	Indigenous
16	IS 12411:2024	PADDY DEHUSKER â€™” CENTRIFUGAL TYPE â€™” SPECIFICATION First Revision of IS 12411		-	Indigenous
17	IS 12576:1989	Seed Processing Machinery - Indented Cylinder Grader - Test Code	June, 2020	1	Indigenous
18	IS 12576:2026	Seed/grain processing machinery - Indented cylinder grader - Specification & Test code		-	Indigenous
19	IS 12792:2024	AGRICULTURAL PRODUCE MILLING MACHINERY â€™” MINI RICE MILL â€™” SPECIFICATION First Revision of IS 12792		-	Indigenous
20	IS 12833:2024	Agricultural produce milling - Machinery - Roller flour mills - Terminology and flow diagram		-	Indigenous
21	IS 13793:2024	Agricultural Produce Milling Machinery ½ Milling of Pulses ½ Terminology and Flow Diagram		-	Indigenous
22	IS 13794:1993	Oilseeds Milling Machinery - Power Ghanies Portable - Specification	July, 2025	1	Indigenous
23	IS 14366:1996	Food processing machinery - Dough mixers - Safety and hygiene requirements	April, 2024	-	Indigenous
24	IS 14367:1996	Food processing machinery - Planetary mixers - Safety and hygiene requirements	April, 2024	-	Indigenous
25	IS 14442:2024	Agricultural Produce Milling Machinery - Burr Mill - Specification and Test Code (FIRST REVISION)		-	Indigenous
26	IS 14460:2024	Seedgrain processing equipment - Gravity separator â€™” Specification and Test code (first revision)		-	Indigenous
27	IS 14603:2023	POTATO GRADER TEST CODE First Revision of IS 14603		-	Indigenous
28	IS 15561:2005	Sugarcane Crushers - Safety Requirements	June, 2020	1	Indigenous
29	IS 15829:2009	Cassava Chipping Machine - Hand Operated - Specification	June, 2020	-	Indigenous
30	IS 15831:2009	Grader - Citrus - Size Based	June, 2020	-	Indigenous
31	IS 15855:2010	Cotton Seed Delinting Machinery - Surge Bin Machine - Specification	June, 2020	-	Indigenous
32	IS 15856:2010	Cotton Seed Delinting Machinery - Pre-Heating Machine - Specification	June, 2020	-	Indigenous
33	IS 15857:2009	Cotton Seed Delinting Machinery	June, 2020	-	Indigenous

		Mobile - Charging Machine - Specification			
34	IS 15858:2013	Cotton Seed Delinting Machinery - Delinting Machine with Electrical Heating and Hydraulic System - Specification	June, 2023	-	Indigenous
35	IS 15859:2013	Cotton Seed Delinting Machinery - Buffing Machine With Air Jet and Nylon Brush - Specification	June, 2023	-	Indigenous
36	IS 15860:2013	Cotton Seed Delinting Machinery - Ammonia Cotton Seed Neutralizer Machine With Ammonia Vaporizer - Specification	June, 2023	-	Indigenous
37	IS 15861:2013	Cotton Seed Delinting Machinery - Pollution Control System with Scrubber, Cyclone, Chimney, Hoods and Ducting - Specification	June, 2023	-	Indigenous
38	IS 15862:2013	Cotton Seed Delinting Machinery - HCL Gas Generation Unit - Specification	June, 2023	-	Indigenous
39	IS 15863:2009	Cotton Seed Delinting Machinery - Inclined Flight Belt Conveyor - Specification	June, 2020	-	Indigenous
40	IS 17606:2021	STAINLESS STEEL ROAD TANKERS FOR EDIBLE OILS SPECIFICATION		-	Indigenous
41	IS 17754 (Part 1):2022 11520-1:1997 11520-1:1997	Agricultural grain driers - Determination of drying performance-Part1:General		-	Identical under dual numbering
42	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
43	IS 17853:2022	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE KERNEL - SPECIFICATION		-	Indigenous
44	IS 17854:2022	Equipment for manufacture of fortified rice – Specification		1	Indigenous
45	IS 18145:2023	Vegetable Cutting Machine		-	Indigenous
46	IS 18267:2024	Food serving utensils made from agri by-products - Specification		-	Indigenous
47	IS 18313:2023	DEHUSKER SHELLER FOR MAIZE SPECIFICATION		-	Indigenous
48	IS 19040:2023	Millet Dehusker $i_c/2$ Centrifugal Type $i_c/2$ Specification And Test Code		-	Indigenous
49	IS 19041:2023	DESTONER FOR MILLETS - SPECIFICATION AND TEST CODE		-	Indigenous
50	IS 19042:2023	SYMBOLS AND FLOW DIAGRAM FOR PRIMARY PROCESSING OF MILLETS		-	Indigenous
51	IS 19129:2025	Seeds and Grain Processing and Storage Engineering - Glossary Of of Terms		-	Indigenous

52	IS 19191:2025	Pearler cum polisher for millets - Specification and Test code		-	Indigenous
53	IS 19194:2025	Root and tuber vegetable washer - Continuous type - Specification and Test code		-	Indigenous
54	IS 19434:2025	Mobile agro-processing units for food grains - Safety requirements		-	
55	IS 19515:2026	Spiral Separator - Specification & Test code		-	
56	IS 19585:2026	Power operated coconut dehusker - Specificaiton and Test code		-	
57	IS 19586:2026	Biomass Pelletiser - Crank-Piston-Cylinder Type - Specification and Test Code		-	
58	IS 19587:2026	Biomass Hammer Mill - Specification and Test Code		-	
59	IS 19588:2026	Biomass Shredder - Specification and Test Code		-	
60	IS 19589:2026	Plant Layout Optimal Process for Production of Biomass Pellets - Guidelines		-	
61	IS 19590:2026	Biomass Pelletiser- Ring Die Type- Specification and Test Code		-	
62	IS 1973:1999	Sugarcane Crushers - Specification (Third Revision)	June, 2020	-	Indigenous
63	IS 5223:1993	Oilseeds Milling Machinery - Oil Expellers - Test Code (First Revision)	June, 2025	-	Indigenous
64	IS 5224:1993	Qilseeds Milling Machinery - Oil Expellers Single Barrel - Specification (Second Revision)	June, 2025	-	Indigenous
65	IS 5718:2000	Agricultural Produce Processing Equipment - Seed Cleaners - Test Code (Second Revision)	June, 2020	-	Indigenous
66	IS 6997:2021	Test code for sugarcane crushers		-	Indigenous
67	IS 7051:2023	POWER OPERATED MAIZE SHELLERS - SPECIFICATION First Revision of IS 7051		-	Indigenous
68	IS 7898:2024	Manually Operated Chaff Cutter - Specification and Test Code(Third Revision)		-	Indigenous
69	IS 8108 (Part 1):2019	Methods of Test for Grain Dryers : Part 1 Selection and Preparation for Test (Second Revision)	-	-	Indigenous
70	IS 8108 (Part 2):1984	Test Code for Grain Dryers : Part 2 Method of Tests for Continuous Dryers	February, 2022	-	Indigenous
71	IS 8108 (Part 3):1985	Test Code for Grain Dryers : Part 3 Methods of Tests for In-Silo Dryers	February, 2022	-	Indigenous
72	IS 8420:2000	Grain Dryers - Glossary of Terms (First Revision)	June, 2020	-	Indigenous
73	IS 8427:2023	AGRICULTURAL PRODUCE MILLING MACHINERY RUBBER ROLL FOR PADDY DEHUSKER SPECIFICATION Second Revision of IS 8427		-	Indigenous

74	IS 8440:2023	PADDY CLEANERS TEST CODE		-	Indigenous
75	IS 8824 (Part 1):2022	Electrical Moisture Meters $\frac{1}{2}$ Specification: Part 1 Food Grains Seeds And Flour (First Revision)		-	Indigenous
76	IS 9049:2023	AGRICULTURAL PRODUCE MILLING MACHINERY PADDY DEHUSKER RUBBER ROLL TYPE TEST CODE Second Revision of IS 9049		-	Indigenous
77	IS 9555:2024	RICE POLISHER "â€”" SPECIFICATION Third Revision of IS 9555		-	Indigenous
78	IS 9981:2020	Agricultural Produce Processing Equipment — Glossary of Terms (Second Revision)	January, 2025	-	Indigenous

Standards under Development

Projects Approved

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

Preliminary Draft Standards

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

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	FAD 20 (27744)	Electronic Equipment for Measurement of the Quality Parameters of Food Grains Based on Phenotypic Characteristics - Specification and Test Code

Draft Standards Completed WC Stage

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

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
1	FAD 20 (02349)	Draft Indian Standard - Agricultural grains driers - Determination of drying performance - Part 2 Additional procedures and Crop Specific requirements
2	FAD 20 (02348)	Draft Indian Standard - Agricultural grain driers - Determination of drying performance-Part1 General
3	FAD 20 (11325) Revision of: IS 9981:2020	AGRICULTURAL PRODUCE PROCESSING EQUIPMENT - GLOSSARY OF TERMS
4	FAD 20 (12521) Revision of: IS 8108:2019	Methods of Test for Grain Dryers Part 1 Selection and Preparation for Test
5	FAD 20 (12791) Revision	CLADDING FILMS FOR GREENHOUSE POLYHOUSE SPECIFICATIONS

	of: IS 15827:2019	
6	FAD 20 (14189) Revision of: IS 11032:1984	Rotary Screen-type Precleaner
7	FAD 20 (15457)	Vegetable Cutting Machine
8	FAD 20 (15458) Revision of: IS 6997:1973	Test code for sugarcane crushers
9	FAD 20 (15968)	Cladding films for greenhouse polyhouse - Specifications First Revision Amendment - 1
10	FAD 20 (17388)	Seeds and Grain Processing and Storage Engineering - Glossary Of of Terms
11	FAD 20 (17785)	Food Serving Utensils Made From Agri By-Products Specifications
12	FAD 20 (18501)	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE KERNEL - SPECIFICATION
13	FAD 20 (18502)	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE - SPECIFICATION
14	FAD 20 (18585) Revision of: IS 8824:1978	Electrical Moisture Meters Specification Part 1 Food Grains Seeds And Flour First Revision
15	FAD 20 (20567)	Spiral Separator - Specification amp Test code
16	FAD 20 (20600)	DEHUSKER SHELLER FOR MAIZE SPECIFICATION
17	FAD 20 (20648) Revision of: IS 8440:1977	PADDY CLEANERS TEST CODE
18	FAD 20 (20655) Revision of: IS 9555:1999	RICE POLISHER SPECIFICATION Third Revision of IS 9555
19	FAD 20 (20660) Revision of: IS 10048:1999	Rice Length Grader - Specification and Test Code Third Revision of IS 10048
20	FAD 20 (20699) Revision of: IS 11787:1986	Paddy Dehusker - Rubber Roller Type - Specification
21	FAD 20 (20702) Revision of: IS 12411:1988	PADDY DEHUSKER CENTRIFUGAL TYPE SPECIFICATION First Revision of IS 12411
22	FAD 20 (20703) Revision of: IS 11834:1986	Rice Milling Symbols and Flow Diagram First Revision
23	FAD 20 (20704) Revision of: IS 14603:1998	POTATO GRADER TEST CODE First Revision of IS 14603
24	FAD 20 (20711) Revision of: IS 10507:1998	PADDY SEPARATOR SPECIFICATION AND TEST CODE Second Revision of IS 10507
25	FAD 20 (20714) Revision of: IS 12064:1987	PADDY PARBOILING CODE OF PRACTICE First Revision of IS 12064
26	FAD 20 (20718) Revision of: IS 12396:1988	PADDY CLEANERS SPECIFICATION First Revision of IS 12396
27	FAD 20 (20726) Revision of: IS 7051:1973	POWER OPERATED MAIZE SHELLERS - SPECIFICATION First Revision of IS 7051
28	FAD 20 (20845) Revision of: IS 9049:1989	AGRICULTURAL PRODUCE MILLING MACHINERY PADDY DEHUSKER RUBBER ROLL TYPE TEST CODE Second Revision of IS 9049
29	FAD 20 (21045) Revision of: IS 12792:1989	AGRICULTURAL PRODUCE MILLING MACHINERY MINI RICE MILL SPECIFICATION First Revision of IS 12792
30	FAD 20 (21046) Revision of: IS 8427:1989	AGRICULTURAL PRODUCE MILLING MACHINERY RUBBER ROLL FOR PADDY DEHUSKER SPECIFICATION Second Revision of IS 8427
31	FAD 20 (21454) Revision of: IS 7898:2001	Manually Operated Chaff Cutter - Specification and Test Code Third Revision of IS 7898
32	FAD 20 (21455) Revision of: IS 11459:1985	Power-Operated Chaff Cutter - Specification and Test Code
33	FAD 20 (21688)	Root and tuber vegetable washer - Continuous type - Specification and Test code
34	FAD 20 (21781)	Sugarcane Crushers - Safety Requirements Amendment - 1
35	FAD 20 (22769)	Cleaner Cum Grader for Millets With Pre-Cleaner - Specification and Test Code
36	FAD 20 (22779)	Millet Dehusker Centrifugal Type Specification And Test Code
37	FAD 20 (22780)	DESTONER FOR MILLETS - SPECIFICATION AND TEST CODE
38	FAD 20 (22781)	SYMBOLS AND FLOW DIAGRAM FOR PRIMARY PROCESSING OF MILLETS
39	FAD 20 (24218)	Pearler cum polisher for millets - Specification and Test code
40	FAD 20 (24260) Revision of: IS 11041:1984	Air-screen seed grain cleaner - Specification and Test code
41	FAD 20 (24261) Revision of: IS 10520:1989	Agricultural produce milling machinery-emery stones for burr flour mills - Specification and Test code
42	FAD 20 (24262) Revision	Recommendations for aperture size of sieves for Seed cleaners

	of: IS 10892:1984	
43	FAD 20 (24263) Revision of: IS 12833:1989	Agricultural produce milling - Machinery - Roller flour mills - Terminology and flow diagram
44	FAD 20 (24264) Revision of: IS 13793:1993	Agricultural Produce Milling Machinery Milling of Pulses Terminology and Flow Diagram
45	FAD 20 (24574) Revision of: IS 14460:1997	Seedgrain processing equipment - Gravity separator - Specification and Test code
46	FAD 20 (24575) Revision of: IS 12576:1989	Seed grain processing machinery - Indented cylinder grader - Specification amp Test code
47	FAD 20 (24661)	Mobile agro-processing units for food grains - Safety requirements
48	FAD 20 (25325) Revision of: IS 18267:2023	Food serving utensils made from agri by-products - Specification
49	FAD 20 (25391) Revision of: IS 14442:1997	Agricultural Produce Milling Machinery Burr Mill Specification and Test Code
50	FAD 20 (25827)	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE - SPECIFICATION Amendment - 1
51	FAD 20 (26505)	Power operated coconut dehusker - Specificaiton and Test code
52	FAD 20 (26507)	Agricultural produce milling machinery - Hammer mill - Specification and Test code
53	FAD 20 (27725)	Plant Layout Optimal Process for Production of Biomass Pellets - Guidelines
54	FAD 20 (27726)	Biomass Shredder - Specification and Test Code
55	FAD 20 (27727)	Biomass Hammer Mill - Specification and Test Code
56	FAD 20 (27728)	Biomass Pelletiser- Ring Die Type-Specification and Test Code
57	FAD 20 (27729)	Biomass Pelletiser - Crank-Piston-Cylinder Type - Specification and Test Code
58	FAD 20 (32843)	Sugarcane Juice Extractor - Specification amp amp Test Code fourth revision
59	FAD 20 (33857)	Power Operated Fruits amp Vegetables Grader Size Based Specification and Test Code

Total Published Standards:76 Total Standards Under development:61

Aspect Wise Report

Product : 44
Code of Practices : 3
Methods of Test : 14
Terminology : 5
Dimensions : 1
System Standard : 0
Safety Standard : 1
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 8

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 1511:1979	Specification for Blades for Manually - Operated Chaff Cutter Second Revision
2	IS 15542:2005	Power - Operated Chaff Cutter - Safety Requirements
3	IS 7052:1973	Test Code for Power Maize Shellers
4	IS 7897:1975	Test Code for Chaff Cutter

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 11041:2025	Air-screen seed grain cleaner - Specification and Test code
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 12047:1987	Specification for Oil Seed Cookers kettles Horizontal Type
9	IS 12230:1987	Specification for sandwich bread moulds
10	IS 12396:2024	PADDY CLEANERS SPECIFICATION First Revision of IS 12396
11	IS 12411:2024	PADDY DEHUSKER CENTRIFUGAL TYPE SPECIFICATION First Revision of IS 12411
12	IS 12792:2024	AGRICULTURAL PRODUCE MILLING MACHINERY MINI RICE MILL SPECIFICATION First Revision of IS 12792
13	IS 13794:1993	Oilseeds Milling Machinery - Power Ghanies Portable - Specification
14	IS 14366:1996	Food processing machinery - Dough mixers - Safety and hygiene requirements
15	IS 14367:1996	Food processing machinery - Planetary mixers - Safety and hygiene requirements
16	IS 14442:2024	Agricultural Produce Milling Machinery - Burr Mill - Specification and Test Code FIRST REVISION
17	IS 14460:2024	Seedgrain processing equipment - Gravity separator Specification and Test code first revision
18	IS 15829:2009	Cassava Chipping Machine - Hand Operated - Specification
19	IS 15831:2009	Grader - Citrus - Size Based
20	IS 15855:2010	Cotton Seed Delinting Machinery - Surge Bin Machine - Specification
21	IS 15856:2010	Cotton Seed Delinting Machinery - Pre-Heating Machine - Specification
22	IS 15857:2009	Cotton Seed Delinting Machinery Mobile - Charging Machine - Specification
23	IS 15858:2013	Cotton Seed Delinting Machinery - Delinting Machine with Electrical Heating and Hydraulic System - Specification
24	IS 15859:2013	Cotton Seed Delinting Machinery - Buffing Machine With Air Jet and Nylon Brush - Specification
25	IS 15860:2013	Cotton Seed Delinting Machinery - Ammonia Cotton Seed Neutralizer Machine With Ammonia Vaporizer - Specification
26	IS 15861:2013	Cotton Seed Delinting Machinery - Pollution Control System with Scrubber Cyclone Chimney Hoods and Ducting - Specification
27	IS 15862:2013	Cotton Seed Delinting Machinery - HCL Gas Generation Unit - Specification
28	IS 15863:2009	Cotton Seed Delinting Machinery - Inclined Flight Belt Conveyor - Specification
29	IS 17606:2021 ISO 22300:2021	STAINLESS STEEL ROAD TANKERS FOR EDIBLE OILS SPECIFICATION
30	IS 17853:2022 ISO/TR19024:2016	EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE KERNEL - SPECIFICATION

31	IS 17854:2022 IEC 60384-14-1: 2016	Equipment for manufacture of fortified rice Specification
32	IS 18145:2023 ISO/TR 22100-4:2018	Vegetable Cutting Machine
33	IS 18267:2024	Food serving utensils made from agri by-products - Specification
34	IS 18313:2023	DEHUSKER SHELLER FOR MAIZE SPECIFICATION
35	IS 19040:2023	Millet Dehusker Centrifugal Type Specification And Test Code
36	IS 19041:2023	DESTONER FOR MILLETS - SPECIFICATION AND TEST CODE
37	IS 19191:2025	Pearler cum polisher for millets - Specification and Test code
38	IS 1973:1999	Sugarcane Crushers - Specification Third Revision
39	IS 5224:1993	Qilseeds Milling Machinery - Oil Expellers Single Barrel - Specification Second Revision
40	IS 7051:2023	POWER OPERATED MAIZE SHELLERS - SPECIFICATION First Revision of IS 7051
41	IS 7898:2024	Manually Operated Chaff Cutter - Specification and Test Code Third Revision
42	IS 8427:2023 ISO 4259 Part 5: 2023	AGRICULTURAL PRODUCE MILLING MACHINERY RUBBER ROLL FOR PADDY DEHUSKER SPECIFICATION Second Revision of IS 8427
43	IS 8824 (Part 1):2022 IEC TR 63292: 2020	Electrical Moisture Meters Specification Part 1 Food Grains Seeds And Flour First Revision
44	IS 9555:2024	RICE POLISHER SPECIFICATION Third Revision of IS 9555