

FAD 11 AGRICULTURAL TRACTORS AND POWER TILLERS

SCOPE - A) Agricultural tractors, power tillers and their attachments (excluding the engine components of tractors and power tillers common to automobiles)

B) Liaison with:

i) ISO/TC 23/SC 2 Common tests

ii) ISO/TC 23/SC 3 Safety and comfort of the operator

iii) ISO/TC 23/SC 4 Tractor

iv) ISO/TC 23/SC 14 Operator control, operator symbols and other displays, operator manuals

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
STANDARDS PUBLISHED				
1	IS 789(Part 8):1991 / ISO	Agricultural tractors - Test procedure: Part 8 Engine air cleaner	Feb 2012	
2	IS 4468(Part 1):1997	Agricultural wheeled tractors - Rear-mounted three-point linkage: Part 1 Categories 1, 2 3 & 4 (fourth revision)	Feb 2012	
3	IS 4468(Part 2):1993 / ISO 730-2:1979	Agricultural wheeled tractors - Three-point linkage: Part 2 Category 1 N (Narrow Hitch) (third revision)	Mar 2009	
4	IS 4931:1995	Agricultural tractors - Rear mounted power take off Types 1, 2 and 3 (third revision)	Mar 2009	1
5	IS 5994:1998	Agricultural Tractor - Test code (third revision)	Mar 2009	
6	IS 6283(Part 1):2006 / ISO 3767-1:1991	Tractors and machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays Part 1 : Common Symbols (second revision)	Mar 2009	
7	IS 6283(Part 2):2007 / ISO 3767-2:1991	Tractors and machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays : Part 2 Symbols for agricultural tractors and machinery (first revision)	Mar 2009	
8	IS 6483:2004	Tractors and machinery for agriculture and forestry - Linch pins and spring pins - Dimensions and requirements (second revision)	Feb 2012	
9	* IS 6840:1972	Code of practice for preventive maintenance of agricultural wheeled tractor	Feb 2012	
10	IS 6847:1995	Code of practice for installation of agricultural wheeled tractor (first revision)	Mar 2009	
11	IS 8132:1999 ISO 3600:1996	Tractors and machinery for agriculture and forestry - Powered lawn and garden equipment - Operators manuals - Content and presentation (second revision)	Mar 2009	
12	IS 8133:1983 ISO 3789:1982	Guidelines for location and operation of operator controls on agricultural tractors and machinery (first revision)	Mar 2009	2
13	IS 8213:2000	Agricultural tractor trailers - Specification	Mar 2011	
14	IS 8265:1996	Agricultural tractors - Guards for power take-off (PTO) drive-shafts (second revision)	Feb 2012	

* INDICATES STANDARDS UNDER REVISION
/ INDICATES DUAL NUMBER STANDARDS

** INDICATES STANDARDS TO BE REVISED
/ INDICATES EQUIVALENT STANDARDS

15	* IS 9253:2001	Guideline for field performance and haulage tests of agricultural wheeled tractors (second revision)	Feb 2012	2
16	IS 9864:1981	Guidelines for stocking spare parts of agricultural tractors	Feb 2012	
17	IS 9869:1981	Technical requirements for power take-off pulley assembly for agricultural tractors with type 1 PTO shaft	Feb 2012	1
18	IS 9935:2002	Power tiller - Test code (second revision)	Feb 2012	
19	IS 9939:1981	Glossary of terms relating to agricultural tractors and power tillers	Feb 2012	1
20	IS 9980:1988	Guidelines for field performance and haulage tests of power tillers (first revision)	Mar 2009	
21	IS 10273:1987	Guidelines for declaration of power and specific fuel consumption and labelling of agricultural tractors (first revision)	Mar 2009	1
22	IS 10274:1993	Agricultural wheeled tractors - Maximum travel speed - Method of determination (first revision)	Mar 2009	
23	IS 10282:1982	Cage wheel for power tillers	Mar 2009	1
24	IS 10318:2002 / ISO 5673:1993	Agricultural tractors and machinery - Power take-off drive shafts and position of power-input connection (first revision)	Feb 2012	
25	IS 10703:1992 ISO/TR 3778:1987	Agricultural tractors - Maximum actuating forces required to operate controls (first revision)	Feb 2012	1
26	IS 10740:1983	Recommendation for operating requirement for power take-off driven implements	Mar 2009	
27	IS 10743:1983 ISO 789-6:1982	Method for determination of centre of gravity of agricultural tractors	Mar 2009	
28	IS 10747:1983	Dimensions of hitch for power tillers	Mar 2009	
29	IS 11081:1993	Agricultural tractors - Half cage wheel - Specification (first revision)	Mar 2009	1
30	IS 11082:1984	Technical requirements of agricultural tractors for wet land cultivation	Feb 2012	
31	IS 11442:1996 / ISO 5721:1989	Agricultural Tractors - Operator's Field of Vision - Test Procedures (first revision)	Feb 2012	
32	IS 11821(Part 1):1992 / ISO 3463:1989	Method of test and acceptance conditions for protective structures of agricultural tractors: Part 1 Dynamic test (first revision)	Feb 2012	
33	IS 11821(Part 2):1992 / ISO 5700:1989	Method of test and acceptance conditions for protective structures of agricultural tractors: Part 2 Static test (first revision)	Feb 2012	
34	IS 11822:1986	Methods of tests for spark arrester of agricultural tractors and power tillers	Feb 2012	1

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35	IS 11858:1986	Handle grip for power tiller	Feb 2012	
36	IS 11859:2004	Agricultural Tractors - Turning and Clearance Diameters - Methods of Test	Feb 2012	
37	IS 12036:1995	Agricultural tractors - Test procedures - Power tests for power take off (first revision)	Mar 2009	
38	IS 12061:1994	Agricultural tractors - Braking performance - Method of test (first revision)	Mar 2009	1
39	IS 12062:1987	Method for measurement of exhaust smoke emitted by agricultural tractors	Mar 2009	1
40	IS 12180(Part 1):2000	Tractors and machinery for agriculture and forestry - Noise measurement - Method of test : Part 1 Noise at the operator position - Survey method (first revision)	Feb 2012	1
41	IS 12180(Part 2):2000	Tractors and machinery for agriculture and forestry - Noise measurement - Method of test : Part 2 Noise emitted when in motion (first revision)	Feb 2012	
42	IS 12207:2008	Agricultural Tractors - Recommendations on selected performance characteristic tractors (second revision)		
43	IS 12224:1987	Method of test for hydraulic power and lifting capacity of agricultural tractors	Mar 2009	3
44	IS 12226:1995	Agricultural tractors - Power tests for drawbar - Test procedure (first revision)	Mar 2009	1
45	IS 12239(Part 1):1996 / ISO 4254-1:1989	Guide for safety and comfort of operator of agricultural tractors and power tillers : Part 1 General requirements (first revision)	Feb 2012	
46	IS 12239(Part 2):1999	Tractors and machinery for agriculture and forestry - Technical means for ensuring safety Part 2: Tractors (first revision)	Mar 2009	
47	IS 12239(Part 3):1988	Guide for safety and comfort of operator of agricultural tractors and power tillers: Part 3 Requirements relating to power tillers	Mar 2009	
48	IS 12343:1998	Agricultural tractors - Operators seat technical requirements (first revision)	Mar 2009	
49	IS 12362(Part 1):2007 / ISO 6489-1:2001	Agricultural vehicles - Mechanical connections between towed and towing vehicles: Part 1 Dimensions of hitch hooks (second revision)	Feb 2012	
50	IS 12362(Part 3):1994 / ISO 6489-3:1992	Agricultural vehicles - Mechanical connections on towing vehicles - Part 3: Tractor drawbar (first revision)	Mar 2009	
51	IS 12363:1988	Recommendation on track width of agricultural tractors	Mar 2009	
52	IS 12953:1990	Drawbar for agricultural tractors - Link type - Specification	Feb 2012	
53	IS 13064:1991	Power tillers - Installation and preventive maintenance - Guidelines	Feb 2012	
54	IS 13539:2008	Power tillers - Recommendations on selected performance characteristics (first revision)		

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55	IS 13548:1992 / ISO 5008:1979	Agricultural wheeled tractors and field machinery - Measurement of whole body vibration of the operator	Feb 2012	
56	IS 13549:1992 / ISO 5676:1983	Tractors and machinery for agriculture and forestry - Hydraulic coupling - Braking circuits	Feb 2012	
57	IS 13581:1993 / ISO 5007:1990	Agricultural wheeled tractors - Operator's seat - Laboratory measurement of transmitted vibration	Mar 2009	
58	IS 13642:1993	Agricultural tractors - Silencers - Technical requirements	Mar 2009	
59	IS 13732:1993 / ISO 5675:1992	Agricultural tractors and machinery - General purpose quick-action hydraulic couplers	Mar 2009	
60	IS 14414:1996 / ISO 789-7:1991	Agricultural tractors - Axle power determination - Test procedures	Feb 2012	
61	IS 14683:1999	Agricultural tractors and machinery - Lighting device for travel on public roads	Mar 2009	1
62	IS 14980(Part 1):2001 / ISO 8759-1:1998	Agricultural wheeled tractors - Front mounted equipment : Part 1 Power take-off and three point linkage	Feb 2012	
63	IS 14980(Part 2):2001 / ISO 8759-2:1998	Agricultural Wheeled Tractors - Front-mounted Equipment : Part 2 Stationary Equipment Connections	Feb 2012	

FINALISED DRAFTS UNDER PRINT

1	DOC.FAD 11(2328)	Draft Indian standard- Agricultural tractors- Recommendations on selected performance characteristics (Third revision)		
2	DOC.FAD 11(2336)	Draft Amendment No. 2 to IS 10273:1987 Guidelines for declaration of power and specific fuel consumption and labelling of agricultural tractors (first revision)		2
3	DOC.FAD 11(2129)	Draft Indian Standard - Code of practice for preventive maintenance of agricultural wheeled tractor (first revision of IS 6840)		
4	DOC.FAD 11(2130)	Draft Indian Standard - Guideline for field performance and haulage tests of agricultural wheeled tractors (third revision of IS 9253)		

DRAFT STANDARDS ISSUED IN WIDE CIRCULATION

1	DOC.FAD 11(2478)	Draft Indian Standard-Agricultural Tractors and Machinery — Power Take-Off Drive Shafts and Power- Input Connection-Part 1: General Manufacturing and Safety Requirements (Second revision of IS 10318) (Adoption of ISO 5673-1:2005)		
2	DOC.FAD 11(2479)	Draft Indian Standard- Agricultural Tractors and Machinery — Power Take-Off Drive Shafts and Power-Input Connection- Part 2: Specification for use of pto Drive Shafts, and position and clearance of PTO drive line and pic for various attachments		

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3	DOC.FAD 11(2480)	Draft Indian Standard- Tractors for Agriculture and Forestry- Roll Over Protective Structures (ROPS) Part 1-Dynamic Test Method and Acceptance Conditions [Second revision of IS 11821(part 1)] (Adoption of ISO 3463:2006)
4	DOC.FAD 11(2483)	Draft Indian Standard-Agricultural Vehicles- Mechanical Connections between Towed and Towing Vehicles- Part 3 Tractor Drawbar [(Second revision of IS 12362 (Part 3)] (Adoption of ISO 6489-3:2004)
5	DOC.FAD 11(2484)	Draft Indian Standard- Agricultural Wheeled Tractors and Field Machinery- Measurement of whole – body vibration of the operator (First revision of IS 13548) (Adoption of ISO 5008:2002)
6	DOC.FAD 11(2485)	Draft Indian Standard- Agricultural Wheeled Tractors — Operator Seat- Laboratory Measurement of Transmitted Vibration (First revision of IS 13581) (Adoption of ISO 5007:2003)
7	DOC.FAD 11(2486)	Draft Indian Standard-Agricultural Tractors and Machinery -General Purpose Quick-Action Hydraulic Couplers (First Revision of IS 13732) (Adoption of ISO 5675:2008)

ASPECT WISE REPORT

PRODUCT	23
METHODS OF TEST	22
CODES OF PRACTICES	10
TERMINOLOGY	1
DIMENSIONS	1
SYMBOLS	2
OTHERS	4
TOTAL : 63	

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FAD 21 FARM IMPLEMENTS AND MACHINERY

SCOPE - A) Standards relating to soil working, sowing, fertilizer and manure application, crop protection, planting & transplanting machinery, harvesting, threshing, straw management equipment, farm transport and horticulture, powered lawn & garden equipment, forestry and plantation tools and equipment

B) Liaison with:

- i) ISO/TC23 Agricultural Machinery
- ii) ISO/TC 23/SC 6 Crop protection equipment
- iii) ISO/TC23/SC7 Equipment for harvesting conservation
- iv) ISO/TC 23/SC 13 Powered lawn and garden
- v) ISO/TC 23/SC 15 Machinery for forestry

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
STANDARDS PUBLISHED				
1	IS 619:1979	Specification for Pruning and slashing knives, hooked and curved (second revision)	Mar 2009	
2	IS 1970:1995	Crop Protection Equipment - Hand operated compression knapsack sprayer - Specification (fifth revision)	Mar 2009	1
3	IS 1971:1996	Crop Protection Equipment - Hand operated stirrup-type sprayer - Specification (fifth revision)	Mar 2012	
4	IS 1976:1976	Specification for Rotary paddy weeder, manually operated (second revision)	Mar 2009	
5	IS 2192:1998	Soil working equipment - Animal drawn mouldboard plough, fixed type - Specification (second revision)	Mar 2009	
6	IS 2559:1978	Specification for Garden rake (first revision)	Mar 2009	
7	IS 2563:1978	Specification for Hedge shears, straight-edge type (first revision)	Mar 2009	
8	IS 2565:1979	Specification for Ridger, Animal drawn (first revision)	Mar 2012	
9	IS 3062:1995	Crop Protection Equipment - Rocker sprayer - Specification (fourth revision)	Mar 2012	2
10	IS 3092:1982	Specification for Rubber draining and tapping knife (first revision)	Mar 2009	
11	IS 3093:1981	Specification for Dah, jungle cutting (first revision)	Mar 2009	
12	IS 3094:1982	Specification for Bill-hook (first revision)	Mar 2009	
13	IS 3108:1991	Forestry tools - Pruning saw - Specification (second revision)	Feb 2011	
14	IS 3122:1982	Specification for Budding and grafting knife combined (first revision)	Mar 2012	

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15	IS 3327:1982	Specification for Pedal-operated paddy thresher (first revision)	Mar 2009	1
16	IS 3342:1998	Soil working equipment - Cultivators, animal drawn - Specification (second revision)	Mar 2009	
17	IS 3369:1965	Specification for Puddler, Animal drawn	Mar 2012	1
18	IS 3372:1965	Bund former, animal drawn	Mar 2009	
19	IS 3494:1978	Specification for Pruning secateur (first revision)	Mar 2009	
20	IS 3606:1998	Soil working equipment, Dischauow, Animal drawn - Specification (second revision)	Mar 2009	
21	IS 3652:1995	Crop Protection Equipment - Foot sprayer (fourth revision)	Feb 2011	3
22	IS 3906:1995	Crop Protection Equipment - Hand-operated knapsack sprayer, piston type - Specification (fourth revision)	Feb 2011	2
23	IS 4358:1996	Specification for Sickles (first revision)	Mar 2012	
24	IS 4366(Part 1):1985	Specification for Agricultural tillage discs: Part 1 concave type (second revision)	Feb 2011	
25	IS 4366(Part 2):1985	Specification for Agricultural tillage discs: Part 2 Flat type (second revision)	Feb 2011	
26	IS 4930:1985	Specification for Axle assembly for pneumatic wheeled animal drawn vehicles (first revision)	Mar 2009	1
27	IS 5135(Part 1):1994	Specification for Hand rotary duster: Part 1 Belly mounted type (second revision)	Mar 2009	2
28	IS 5135(Part 2):1994	Specification for Hand rotary duster: Part 2 Shoulder mounted type (first revision)	Mar 2009	1
29	IS 6024:1983	Specification for Guards for harvesting machines (first revision)	Mar 2009	
30	IS 6025:1982	Specification for Knife sections for harvesting machines (first revision)	Mar 2009	
31	IS 6284:1985	Test code for power thresher for cereals (second revision)	Mar 2009	3
32	IS 6288:1971	Test code for mouldboard ploughs	Mar 2009	
33	IS 6316:1993	Sowing Equipment - Seed-cum-fertilizer Drill - Test Code (first revision)	Mar 2009	
34	IS 6320:1985	Specification for Power thresher, Hammer mill type (first revision)	Mar 2009	
35	IS 6635:1972	Specification for Tractor operated disc harrows	Feb 2011	2

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36	IS 6638:1972	Specification for Tractor-mounted spring loaded cultivators	Feb 2011	4
37	IS 6690:1981	Specification for Blades for rotavator for power tillers (first revision)	Mar 2012	
38	IS 6813:2000	Sowing equipment - Seed-cum-fertilizer drill - Specification (second revision)	Feb 2011	
39	IS 7201(Part 1):1987	Methods of sampling for agricultural machinery and equipment: Part 1 Hand tools and hand operated/animal drawn equipment (first revision)	Mar 2009	
40	IS 7230:1974	Specification for Plain spool for tractor operated disc harrows	Feb 2011	
41	IS 7353:1974	Specification for Blade for Tractor-Operated Terracer	Feb 2011	
42	IS 7565(Part 1):1975	Specification for Tines for tractor operated cultivators:Part 1 Rigid tines	Mar 2009	
43	IS 7565(Part 2):1988	Specification for Tines for tractor operated cultivators: Part 2 S-type tines	Mar 2009	
44	IS 7593(Part 1):1986	Specification for Power operated pneumatic sprayer-cum-duster: Part 1 Knapsack type (first revision)	Mar 2012	1
45	IS 7640:1975	Test code for disc harrows	Mar 2009	
46	IS 7927:1975	Method of field testing for manually operated paddy weeder	Mar 2009	
47	IS 8122(Part 1):1994	Test code for combine harvester-thresher: Part 1 Terminology (first revision)	Feb 2011	
48	IS 8122(Part 2):2000	Combine harvester-thresher - Test code: Part 2 Performance tests (first revision)	Feb 2011	1
49	IS 8213:2000	Agricultural tractor trailer - Specification (third revision)	Feb 2011	
50	IS 8480:1996	Crop Protection Equipment - Glossary of Terms (first revision)	Mar 2012	
51	IS 8548:1977	Test code for power-operated hydraulic sprayer	Mar 2009	
52	IS 9019:1979	Code of practice for installation, operation and preventive maintenance of power threshers	Feb 2011	2
53	IS 9020:2002	Power Threshers - Safety Requirements (first revision)	Mar 2012	
54	IS 9164:1979	Guide for estimating cost of farm machinery operation	Mar 2012	1
55	IS 9217:1979	Test code for agricultural discs	Feb 2011	
56	IS 9575:1980	Power lawn mower, pedestrian-controlled cylinder (reel) type	Mar 2009	2

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57	IS 9581:1980	Safety and operational requirements for pedestrian-controlled cylinder (reel) power lawn mowers	Mar 2009	
58	IS 9632:1980	Code of practice for operation and preventive maintenance of crop protection equipment	Mar 2012	
59	IS 9813:2002	Tractor-mounted blade terracers (first revision)	Mar 2012	
60	IS 9818(Part 1):1981	Glossary of terms relating to tillage and intercultivation equipment: Part 1 General terms	Mar 2009	
61	IS 9818(Part 2):1981	Glossary of terms relating to tillage and intercultivation equipment: Part 2 Terms relating to equipment	Mar 2009	
62	IS 9821:1981	Glossary of terms relating to farm transport equipment	Mar 2009	
63	IS 9826:1981	Glossary of terms relating to harvesting and threshing equipment	Mar 2012	
64	IS 9855:1981	Glossary of terms relating to sowing, planting, fertilizers and manure application equipment	Mar 2009	
65	IS 9856:1981	Test code for potato planters	Mar 2009	
66	IS 9877:1981	Code of practice for installation, operation and preventive maintenance of grain combine	Feb 2011	
67	IS 10134:1994	Methods of tests for manually operated sprayers (first revision)	Mar 2009	1
68	IS 10225:1982	Specification for Bearing spools for tractor-operated disc harrows	Mar 2009	
69	IS 10233:1982	Specification for Tractor-operated disc ploughs	Mar 2009	
70	IS 10239:1982	Specification for Blade for tractor-operated scraper	Mar 2009	
71	IS 10254:1982	Specification for Share for animal-drawn ridger	Mar 2009	
72	IS 10378:1982	Specification for Knife back for harvesting machines	Feb 2011	
73	IS 10683:1983	Specification for Khurpi	Mar 2009	
74	IS 10684:1983	Specification for Tree pruner	Feb 2011	
75	IS 10691:1983	Specification for Share for tractor-operated mouldboard ploughs	Feb 2011	
76	IS 10806:2003	Trailers for Power Tillers - Specification (first revision)	Feb 2011	
77	IS 10807:1984	Axles with brakes of trailer for power tillers	Feb 2011	

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78	IS 11033:1984	Specification for Animal drawn potato digger, Ridger type	Feb 2011	
79	IS 11204:1985	Specification for Sugarcane harvesting knife	Feb 2011	
80	IS 11234:1985	Test code for power thresher for groundnut	Feb 2011	
81	IS 11235:1985	Test code for groundnut digger, animal drawn	Feb 2011	1
82	IS 11269:1985	Specification for Axle assembly for conventional animal drawn vehicles	Mar 2009	
83	IS 11270:1985	Technical requirements for ring-type hitches for agricultural trailers	Mar 2009	
84	IS 11271:1985	Specification for Groundnut planter	Feb 2011	
85	IS 11272:1985	Glossary of terms relating to horticultural equipment	Feb 2011	1
86	IS 11313:2007	Hydraulic power sprayers - Specification (first revision)	Mar 2012	
87	IS 11429:1985	Methods for calibration of sprayers	Mar 2009	
88	IS 11467:1985	Test code for cereal harvesting machines	Mar 2012	
89	IS 11531:1985	Test code for puddler	Feb 2011	
90	IS 11580:1986	Glossary of terms relating to forestry equipment	Mar 2009	
91	IS 11691:1986	Specification for Power thresher, spike tooth type	Mar 2009	
92	IS 11893:1986	Specification for Potato planter, semi-automatic	Mar 2012	
93	IS 11905:1986	Specification for Shaft assembly for rotavator for power tiller	Feb 2011	1
94	IS 11976:1986	Specification for Sugarcane planter semi-automatic	Mar 2012	
95	IS 12161:1987	Test code for animal carts	Mar 2009	1
96	IS 12162:1987	Specification for Lifting hook	Mar 2009	
97	IS 12163:1987	Specification for Cant hook	Mar 2009	
98	IS 12164:1987	Specification for Log tongs	Mar 2009	

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99	IS 12191:1987	Specification for Felling wedges	Mar 2009	
100	IS 12199:1987	Specification for Pneumatic wheeled animal drawn vehicle	Mar 2009	
101	IS 12334:1988	Specification for Tractor mounted bund former	Mar 2009	
102	IS 12337:1988	Specification for Manually operated fertilizer broadcaster	Mar 2009	1
103	IS 12371:1988 / ISO 5670:1984	Technical requirements for single acting telescopic tipping cylinders for agricultural trailers	Mar 2009	
104	IS 12409:1988	Specification for Garden sword	Mar 2009	
105	IS 12482:1988	Methods of test for manually operated dusters	Mar 2009	1
106	IS 12627:1989	Forestry tools - Loop handles, two-men cross cut saws	Mar 2009	
107	IS 12651:1989	Forestry tools - Setting anvil for raker toothed two-men cross cut saws	Mar 2009	
108	IS 12652:1989	Forestry tools - Raker adjuster-cum-setting iron for two-men cross cut saws	Mar 2009	
109	IS 12653:1989	Rubber tapping tools - Coagulation tray - Specification	Mar 2009	
110	IS 12696:1989	Forestry tools - Setting pliers, bow saw blade	Mar 2009	
111	IS 12697:1989	Forestry tools - Setting hammer, raker toothed two-men cross cut saws - Specification	Mar 2009	
112	IS 12698:1989	Forestry tools - Tree marking digit set - Specification	Mar 2009	
113	IS 12703:1989	Forestry tools - Tree marking hammers - Specification	Mar 2009	
114	IS 12704:1989	Forestry tools - Wooden jointer for bow saw blade - Specification	Mar 2009	
115	IS 12917(Part 1):1990	Farm transport equipment - Conventional animal drawn vehicle Part 1 Cattle, donkey and mule	Mar 2009	1
116	IS 12917(Part 2):1991	Farm transport equipment - Conventional animal drawn vehicle Part 2 Camel	Mar 2009	
117	IS 13151:1991	Forestry Tools - Two-men Log tongs - Specification	Feb 2011	
118	IS 13373:1992	Horticultural Equipment - Grass Shear - Specification	Mar 2009	
119	IS 13374:1992	Forestry tools - Hand sappie, nursery (Kutla) - Specification	Mar 2009	

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120	IS 13376:1992	Forestry tools - Debarking spud - Specification	Mar 2009
121	IS 13377:1992	Forestry tools - SHRUB cutting knife - Specification	Mar 2009
122	IS 13378:1992	Forestry tooles - Felling lever - Specification	Mar 2009
123	IS 13379:1992	Forestry tools - Wooden setting cat, bow saw blades - Specification	Feb 2011
124	IS 13380:1992	Forestry tools - Hole punch, bow saw blades - Specification	Feb 2011
125	IS 13485(Part 1):1992	Forestry tools - Stalk puller - Specification : Part 1 Light duty	Mar 2009
126	IS 13485(Part 2):1998	Forestry tools - Stalk puller - Specification : Part 2 Heavy duty	Mar 2009
127	IS 13733:1993 / ISO 5669:1982	Agricultural trailers and trailed equipment - Braking cylinders - Specification	Mar 2009
128	IS 13818:1993	Harvesting equipment - Tractor operated potato digger shakers - Test code	Mar 2009
129	IS 13821:2000	Forestry tools - wooden filing vice - Specification	Mar 2009
130	IS 14459:1997	Crop Protection Equipment - Battery operated rotary atomiser disc type ULV Sprayer - Specification	Mar 2009
131	IS 14523:1998	Forstry tools - Dibbling board - Specification	Mar 2009
132	IS 14524:1998	Forestry tools - Dibble iron - Specification	Mar 2009
133	IS 14525:1998	Forestry tools - Seed plucker - Specification	Mar 2009
134	IS 14526:1998	Forestry tool - plant carrier - Specification	Mar 2009
135	IS 14540:1998	Intercultivation Equipment - Hand hoes - Specification	Mar 2009
136	IS 14541:1998	Forestry and plantation tools - Hoes and forks - Specification [amalgamated revision of IS 621, 13375, 13486(Pt 1), 4315]	Mar 2009
137	IS 14855(Part 1):2000	Plant protection and vector control equipment - Fogging machines - Specification Part 1: Pulse-jet type thermal fogger	Feb 2011
138	IS 14855(Part 2):2001	Plant protection and vector control equipment - Fogging machines - Specification : Part 2 Air blower type thermal fogger	Feb 2011
139	IS 15805(Part 1):2008	Straw reaper - combine - Test code: Part 1 Terminology	

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140	IS 15805(Part 2):2008	Straw reaper-combine - Test code: Part 2 Performance tests
141	IS 15806:2008	Combine-harvester-thresher - Selected performance and other characteristics - Recommendations
142	IS 15918:2011	Equipment for crop protection - Sprayers - Connection Threading (Adoption of ISO 4102:1984)
143	IS 15919:2000	Draft Indian Standard - Equipment for crop protection - Test method for air assisted sprayers for bush and tree crops
144	IS 15920:2000	Equipment for crop protection -Sprayers nozzles- colour coding identification
145	IS 15921:2011	Equipment for crop protection - Air assisted Sprayers - Dimension of nozzle, swivel nuts (Adoption of ISO 14710:1996)
146	IS 15923(Part 1):2011	Equipment for crop protection - Drift classification of spraying equipment: Part 1 Classes (Adoption of ISO 22369-1:2006)
147	IS 15924:2011	Equipment for crop protection - Methods for field measurement of spray drift (Adoption of ISO 22866:2005)
148	IS 15925:2012	Walk behind powered rotary tillers - Definitions, safety requirements and test procedures

FINALISED DRAFTS UNDER PRINT

1	DOC.FAD 21(1984)	Draft Indian Standard - Tractors and Machinery for Agriculture and forestry - Technical means for ensuring safety: Part 6 Equipment for crop protection (Adoption of ISO 4254-6:1995)
2	DOC.FAD 21(1988)	Draft Indian Standard - Equipment for crop protection - Knapsack Sprayers: Part 1 Requirements and test methods (Adoption of ISO 19932-1:2006)
3	DOC.FAD 21(1989)	Draft Indian Standard - Equipment for crop protection - Knapsack Sprayers: Part 2 Performance limits (Adoption of ISO 19932-2:2006)

DRAFT STANDARDS COMPLETED WIDE CIRCULATION

1	DOC.FAD 21(2345)	Draft Amendment No 2 to IS 7593 (Part 1) Specification for Power operated pneumatic sprayer- cum-duster: Part 1 Knapsack type (first revision)
2	DOC.FAD 21(2346)	Draft Amendment No. 1 to IS 11313:2007 Hydraulic power sprayers - Specification (first revision)

* INDICATES STANDARDS UNDER REVISION
/ INDICATES DUAL NUMBER STANDARDS

** INDICATES STANDARDS TO BE REVISED
/ INDICATES EQUIVALENT STANDARDS

ASPECT WISE REPORT

PRODUCT	110
METHODS OF TEST	22
CODES OF PRACTICES	3
TERMINOLOGY	9
OTHERS	4
TOTAL :	148

** INDICATES STANDARDS UNDER REVISION*

/ INDICATES DUAL NUMBER STANDARDS

*** INDICATES STANDARDS TO BE REVISED*

| INDICATES EQUIVALENT STANDARDS

FAD 20 AGRICULTURE AND FOOD PROCESSING EQUIPMENTS

- SCOPE -** A) Equipment for primary processing operations like cleaning, grading, shelling, washing, polishing, drying etc for food grains, seeds & horticulture produce.
 B) Equipment and system for secondary processing like milling, expelling, extraction, crushing etc of food grains, oil seed & horticulture produce.
 C) By product handling and processing equipments
 D) Equipment for value addition to agricultural product and by products including packaging etc.
 E) Liaison with ISO/TC 23/SC 7 Equipment harvesting and conservation.

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd.
STANDARDS PUBLISHED				
1	IS 1511:1979	Specification for Blades for manually-operated chaff cutter (second revision)	Feb 2012	3
2	IS 1973:1999	Sugarcane crushers - Specification (third revision)	Mar 2010	
3	IS 4596:1968	Glossary of terms relating to oil expellers	Mar 2010	
4	IS 5223:1993	Oilseeds milling machinery - Oil expellers - Test code (first revision)	Mar 2010	
5	IS 5224:1993	Oilseeds milling machinery - Oil expellers single barrel - Specification (second revision)	Mar 2010	
6	IS 5718:2000	Agricultural Produce Processing Equipment - Seed Cleaners - Test Code (second revision)	Mar 2010	
7	IS 6997:1973	Test code for sugarcane crushers	Feb 2012	
8	IS 7051:1973	Specification for Power maize shellers	Feb 2012	
9	IS 7052:1973	Test code for power maize shellers	Feb 2012	
10	IS 7897:1975	Test code for chaff cutter	Feb 2012	1
11	IS 7898:2001	Manually-Operated Chaff Cutter - Specification (second revision)	Feb 2012	
12	IS 8108(Part 1):1984	Test code for grain dryers: Part 1 Selection and preparation for test (first revision)	Feb 2012	1
13	IS 8108(Part 2):1984	Test code for grain dryers: Part 2 Method of tests for continuous dryers	Feb 2012	
14	IS 8108(Part 3):1985	Test code for grain dryers: Part 3 Methods of tests for in-silo dryers	Feb 2012	
15	IS 8420:2000	Grain dryers - Glossary of terms (first revision)	Mar 2010	

* INDICATES STANDARDS UNDER REVISION
 / INDICATES DUAL NUMBER STANDARDS

** INDICATES STANDARDS TO BE REVISED
 / INDICATES EQUIVALENT STANDARDS

16	IS 8427:1989	Agricultural produce milling machinery - Rubber rolls for paddy dehusker - Specification (first revision)	Mar 2010	2
17	IS 8440:1977	Test code for paddy cleaners	Mar 2010	3
18	IS 9049:1989	Agricultural Produce Milling Machinery - Paddy dehusker, rubber roll type - Test code (first revision)	Mar 2010	
19	IS 9555:1999	Rice polisher - Specification (second revision)	Mar 2010	
20	IS 9981:2000	Agricultural Produce Processing Equipment - Glossary of Terms (first revision)	Mar 2010	
21	IS 10048:1999	Rice grader - Specification (second revision)	Mar 2010	
22	IS 10507:1998	Paddy separator - Specification (first revision)	Mar 2010	
23	IS 10520:1989	Agricultural produce milling machinery - Emery stones for burr flour mills - Specification (first revision)	Mar 2010	
24	IS 10892:1984	Recommendations for aperture size of sieves for seed cleaners	Mar 2010	
25	IS 11032:1984	Specification for rotary screen-type precleaner	Feb 2012	1
26	IS 11041:1984	Specification for air-screen seed cleaner	Mar 2010	
27	IS 11459:1985	Specification for power-operated chaff cutter	Feb 2012	1
28	IS 11473:2002	Groundnut Decorticator - Test Code (first revision)	Feb 2012	
29	IS 11787:1986	Specification for paddy dehusker, rubber roll type	Mar 2010	
30	IS 11834:1986	Symbols and flow diagram for rice milling	Mar 2010	
31	ISO 3971:1977 IS 12047:1987	Specification for oil seed cookers/kettles, horizontal type	Mar 2010	1
32	IS 12064:1987	Code of practice for paddy parboiling	Mar 2010	1
33	IS 12396:1988	Specification for paddy cleaner	Mar 2010	
34	IS 12411:1988	Specification for paddy dehusker, centrifugal type	Mar 2010	1
35	IS 12576:1989	Seed Processing Machinery - Indented cylinder grader - Test code	Mar 2010	1
36	IS 12792:1989	Agricultural Produce Milling Machinery - Mini Rice Mill - Specification	Mar 2010	1

* INDICATES STANDARDS UNDER REVISION
/ INDICATES DUAL NUMBER STANDARDS

** INDICATES STANDARDS TO BE REVISED
/ INDICATES EQUIVALENT STANDARDS

37	IS 12833:1989	Agricultural produce milling machinery - Roller flour mills - Flow diagram	Mar 2010	
38	IS 13793:1993	Agricultural produce milling machinery - Milling of pulses - Flow Diagram	Mar 2010	1
39	IS 13794:1993	Oilseeds milling machinery - Power GHANIES Portable - Specification	Mar 2010	1
40	IS 14442:1997	Agricultural produce machinery - Burr Mill - Milling Test code	Feb 2008	
41	IS 14460:1997	Seed processing equipment - Gravity separator - Specification	Feb 2008	
42	IS 14603:1998	Potato grader - Test code	Mar 2010	
43	IS 15542:2005	Power-operated chaff cutter - Safety requirements	Mar 2010	
44	IS 15561:2005	Sugarcane crushers - Safety requirements	Mar 2010	
45	IS 15827:2009	Plastic film for greenhouses - Specification		
46	IS 15828:2009	Design and construction of plastics-lined farm ponds - Code of practice		
47	IS 15829:2009	Cassava chipping machine, hand operated - Specification		
48	IS 15830:2009	Plastic mulch laying machine - Functional requirement - Specification		
49	IS 15831:2009	Grader citrus - Size based		
50	IS 15855:2010	Cotton seed delinting machinery - Surge bin machine - Specification		
51	IS 15856:2010	Cotton seed delinting machinery - pre-heating machine - Specification		
52	IS 15857:2009	Cotton seed delinting machinery - Mobile charging machine - Specification		
53	IS 15863:2009	Cotton seed delinting machinery - Inclined flight belt conveyor - Specification		

FINALISED DRAFTS UNDER PRINT

1	DOC.FAD 20(1743)	Draft Indian Standard - Cotton seed delinting machinery - Delinting machine with electrical heating and hydraulic system - Specification
2	DOC.FAD 20(1744)	Draft Indian Standard - Cotton seed delinting machinery - Buffing machine with air jet and nylon brush machine - Specification
3	DOC.FAD 20(1745)	Draft Indian Standard - Cotton seed delinting machinery - Ammonia cotton seed neutralizer machine with ammonia vaporizer - Specification

* INDICATES STANDARDS UNDER REVISION
/ INDICATES DUAL NUMBER STANDARDS

** INDICATES STANDARDS TO BE REVISED
/ INDICATES EQUIVALENT STANDARDS

4	DOC.FAD 20(1746)	Draft Indian Standard - Cotton seed delinting machinery - Pollution control system with scrubber, cyclone, chimney, hoods and ducting - Specification
5	DOC.FAD 20(1747)	Draft Indian Standard - Cotton seed delinting machinery - HCL gas generation unit - Specification
6	DOC.FAD 20(1838)	Draft Indian Standard - Manual groundnut decorticator - Method of test

DRAFT STANDARDS FINALIZED BUT NOT YET UNDER PRINT

1	DOC.FAD 20(1839)	Draft Indian Standard - Mobile agro processing units - Safety requirements
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ASPECT WISE REPORT

PRODUCT	29
METHODS OF TEST	14
CODES OF PRACTICES	4
TERMINOLOGY	3
SYMBOLS	1
OTHERS	2
TOTAL : 53	

* INDICATES STANDARDS UNDER REVISION

/ INDICATES DUAL NUMBER STANDARDS

** INDICATES STANDARDS TO BE REVISED

| INDICATES EQUIVALENT STANDARDS