

## FAD 11 AGRICULTURAL TRACTORS AND POWER TILLERS

<b>SCOPE</b>	A. Agricultural tractors, power tillers and their attachments (excluding the engine components of tractors and power tillers common to automobiles)
	<b>B. Liaison with:</b> <b>I. ISO/TC 23/SC 2 Common tests.</b> <b>II. ISO/TC 23/SC 3 Safety and comfort of the operator.</b> <b>III. ISO/TC 23/SC 4 Tractor.</b> <b>IV. ISO/TC 23/SC 14 Operator control, operator symbols and other displays, operator manuals.</b>

### STANDARDS PUBLISHED

Sl. No.	IS Number DOC Number	Title	Reaffirm Date	No. of Amd
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 & 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	
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 (firstrevision)	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-offdrive shafts and position of power-input connection(first revision)	Feb 2012	
25	IS 10703:1992   ISO/TR 3778:1987	Agricultural tractors - Maximum actuating forcesrequired 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 ofagricultural 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 - TestProcedures (first revision)	Feb 2012	
32	IS 11821(Part 1):1992 / ISO 3463:1989	Method of test and acceptance conditions forprotective structures of agricultural tractros: Part 1Dynamic test (first revision)	Feb 2012	
33	IS 11821(Part 2):1992	Method of test and acceptance conditions forprotective structures of agricultural tractors: Part 2Static test (first	Feb 2012	

	/ ISO 5700:1989	revision)		
34	IS 11822:1986	Methods of tests for spark arrester of agricultural tractors and power tillers	Feb 2012	1
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	Agricultural vehicles - Mechanical connections on towing	Mar 2009	

	3):1994 / ISO 6489-3:1992	vehicles - Part 3: Tractor drawbar (first revision)		
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)		
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

Sl. No.	IS Number DOC Number	Title	Reaffirm Date	No. of Amd
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 COMPLETED WIDE CIRCULATION

Sl. No.	IS Number DOC Number	Title
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
3	DOC.FAD 11(2480)	Draft Indian Standard- Tractors for Agriculture and Forestry- Roll Over Protective Structures (ROPS) Part1-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

Sl. No.	Details	Tot Reports
1	PRODUCT	23
2	METHODS OF TEST	22
3	CODES OF PRACTICES	10
4	TERMINOLOGY	1

5	DIMENSIONS	1
5	SYMBOLS	2
6	OTHERS	4
<b>TOTAL</b>		<b>63</b>

**\* INDICATES STANDARDS UNDER REVISION**

**\*\* INDICATES STANDARDS TO BE REVISED**

**/ INDICATES DUAL NUMBER STANDARDS**

**| INDICATES EQUIVALENT STANDARDS**