



उत्पाद मानुयल

Air-Screen Seed/Grain Cleaner — Specification and Test Code IS 11041: 2025 के अनुसार

PRODUCT MANUAL FOR

Air-Screen Seed/Grain Cleaner — Specification and Test Code as per IS 11041: 2025

विभिन्न उत्पादों के लिए भारतीय मानक ब्यूरो(अनुरूपता मूल्यांकन) विनियम, 2018 की योजना -I के तहत प्रमाणन के संचालन में एकरूपता और पारदर्शिता के लिए इस उत्पाद मैनुअल का उपयोग सभी क्षेत्रीय / शाखा कार्यालयों और लाइसेंसधारियों द्वारा संदर्भ सामग्री के रूप में किया जाएगा। दस्तावेज़ का उपयोग बीआईएस प्रमाणन प्राप्त करने के इच्छुक संभावित आवेदकों द्वारा भी किया जा सकता है।

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure uniformity of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification.

1.	मानक संख्या IS No.	:	IS 11041:2025
	शीर्षक Title	:	Air-Screen Seed/Grain Cleaner — Specification and Test Code
	संशोधनों की संख्या No. of amendments	:	NIL
2.	नमूना दिशानिर्देश Sampling Guidelines		
a)	कच्चा माल Raw material	:	Raw material shall be in accordance with clause 4.1 & 4.2 of IS 11041: 2025. Note: This section indicates the requirements for raw material (if specified in the IS) for which compliance is to be established during Grant of Licence/Change in Scope of Licence / Factory Surveillance.
b)	समूहीकरण दिशानिर्देश Grouping Guidelines	:	One sample of cleaner of each model for cleaning of each type of seed of the highest rated input capacity shall be drawn and tested to cover cleaners of lower rated input capacities for that model for cleaning that type of seed. Manufacturer shall submit declarations as per Annex B and Annex F of IS 11041: 2025 for the seed cleaner offered during inspection.

c)	नमूने का परिमाण Sample Quantity	:	<u>GoL/CSoL</u> Since the seed cleaner is a bulky machine, licence is to be operated on factory testing basis except for the requirements of Long Run Test (as per clause 6.5 of IS 11041: 2025 (test to be carried out for 50 h) for which sample (1 No.) may be drawn for testing at the one of the Govt Agricultural Testing Institutes (empaneled by BIS), for the purpose of GoL/CSoL only <u>Surveillance</u> 1) For the purpose of factory surveillance, a 2-day factory inspection shall be carried out and all tests as per IS 11041: 2025 shall be carried out during Factory Testing on at least 1 model of cleaner available. No sample shall be drawn for the requirement of Long Run Test during factory surveillance. 2) Sample of ISI marked steel (as per Table 2 of IS 11041: 2025) used for manufacture of components shall be drawn during factory surveillance for testing at labs recognized for the respective steel products. These samples shall be treated as market samples of the licensees of steel. 3) The documents establishing traceability of the ISI marked steel such as Mill Test Certificate, Invoice etc. shall be verified before drawl of samples and if possible a copy of these documents may also be collected for reference. 4) No Market Samples shall be drawn for the product. Note: This section indicates the quantity of the sample of the product and/or the raw material (if applicable), required to be sent to the laboratory for testing, for the purpose of Grant of Licence/Change in Scope of Licence/ Factory Surveillance (in case of market surveillance, effort may be made to procure the required quantity of product sample, as far as possible since raw material sample may not be available in market)
d)	परीक्षण अनुरोध में घोषित किए जाने वाले पैरामीटर Parameters to be Declared in Test Request	:	• Type of Seed • Model • Rated Input Capacity (quintals/kWh)
3.	परीक्षण उपकरणों की सूची List of Test Equipment	:	Please refer Annex-A
4.	निरीक्षण और परीक्षण की स्कीम Scheme of Inspection and Testing	:	Please refer Annex-B
5.	एक दिन में संभावित परीक्षण Possible tests in a day	:	

	All Tests are possible to be carried out in a day except for Long Run Test.	
	Note: This section is for the guidance of BIS Certification Officers/Technical Auditors of BIS Authorized Outside Surveillance Agencies (OSAs) during factory inspection to provide ready reference regarding the tests which can be witnessed during the inspection in the factory by the officer/auditor.	
6.	लाइसेन्स का कायषक्षेत्र /Scope of the Licence:	
	Licence is granted to use Standard Mark as per IS 11041:2025 with the following scope:	
	Name of the product	Specification for Air Seed Cleaner
	Type of Seed	Paddy, Pulses etc.
	Model	As per Annex F (Specification Sheet)
	Rated Input Capacity (quintals/kWh)	

BUREAU OF INDIAN STANDARDS
Manak Bhawan, 9, Bahadur Shah
Zafar Marg, New Delhi – 110002

ANNEX- A
LIST OF TEST EQUIPMENT

(INDICATIVE LIST, FOR GUIDANCE ONLY)

Sl. No.	Tests Used in with Clause Reference	Test Equipment/Chemical
1.	Constructional Requirements, Clause 5	Vernier Caliper, Stop Watch, Depth Gauge, Cord, Flat Surface, Steel Tape, 120 kg Weight, Vibration Meter, Tachometer, Anemometer, Bevel Protractor, Flat Micrometer, Scoop, Desiccator, Steel Scale
2.	Test at No Load, Clause 6.2 & Long Run Test, Clause 6.5	Power Source, Energy Meter or Dynamometer, Stop Watch, Decibel meter
3.	Rated Input Capacity, Clause 6.3	Power Source, Energy Meter or Dynamometer, Stop Watch, Sufficient Quantity of Seeds (Min 98 % purity), Weighing Scale, Tray or Mat for collection for Foreign Matter, Bag for collection of dust, Wattmeter, Magnifying Glass,
4.	Test at No Load, Clause 6.4	Power Source, Energy Meter or Dynamometer, Stop Watch, Sufficient Quantity of Seeds (foreign matter not exceeding 10% and moisture content not exceeding 13% for paddy and 12% for other seeds), Weighing Scale, Tray or Mat for collection for Foreign Matter, Sieve

ANNEX-C

SCHEME OF INSPECTION AND TESTING

1. QUALITY ASSURANCE PLAN

1.1 It is expected that during operation of BIS licence, manufacturers will implement a Quality Assurance Plan (QAP) i.e. a plan of regular testing and in-process controls, designed to ensure that the product bearing the Standard Mark conforms to all requirements of the Indian Standard.

1.2 The manufacturers shall define a Quality Assurance Plan (QAP) defining the control unit (i.e. lot/batch etc.), the levels of control (i.e. the frequency and number of samples for conducting the different tests as per the Indian Standard) and declare the arrangement for testing i.e. whether in-house or subcontracting/sharing for each applicable test and submit the same to BIS Branch Office for information. The manufacturer shall comply with the QAP and maintain test records in accordance with para 2.1.

1.3 RECOMMENDED LEVELS OF CONTROL/CONTROL UNIT:

1.3.1 For the guidance of manufacturers, the recommended definition of control unit is: All the Air-Screen Seed/Grain Cleaner of a particular model manufactured for cleaning of a particular type of seed and operable at a particular rated input capacity manufactured in a week.

1.3.2 For the guidance of manufacturers in preparing the Quality Assurance Plan, recommended levels of control are given in **Table 1**. Manufacturer has the discretion of declaring their own levels of control or accept the levels of control given in this document.

1.3.3 The manufacturer shall ensure inspection and testing as per the Quality Assurance Plan submitted by them on the whole production of the factory which is covered by this plan.

2. ENSURING COMPLIANCE THROUGH TESTING- manufacturers shall ensure compliance of their products to all the requirements of the Indian Standard for which they may have in-house test facilities. However, there is no obligation to maintain in-house laboratory. Licensee may use alternative arrangements for tests of the production as per the declared QAP. Various alternatives are available for operation of BIS certification as given below and the relevant guidelines for availing such relaxations by the manufacturers, as amended from time to time, are to be referred:

- i) Shared testing resources like common facility,
- ii) Cluster based testing facility,
- iii) Sub-contracting to outside laboratories which may either be:
 - a) BIS recognised/empanelled laboratories, or
 - b) Any accredited laboratory as per ISO/IEC 17025

2.1 TEST RECORDS- The manufacturers shall maintain test records for the tests carried out (either in-house or at a sub-contracted or at shared test facility) to establish conformity of the product to the Standard for operation of licence. For the tests being subcontracted or conducted at a shared test facility, test results issued by the laboratories or test facilities, shall be made available for inspection by BIS.

3. PACKING AND MARKING - The Standard Mark as given in schedule of the licence and

Licence Number (i.e. CM/L) shall be incorporated on each Air-Screen Seed/Grain Cleaner and the marking and packing shall be done as per the provisions of the Indian Standard, provided always that the product thus marked conform to all the requirements of the specification.

3.1 Packing and Marking shall be done as per the Indian Standard.

3.2 **Additional Marking requirements:** Additionally, the following shall also be marked on each Air-Screen Seed/Grain Cleaner:

a) "For BIS certification details please visit www.bis.gov.in"

4. REJECTION - The production which conforms to the Indian Standard and covered under the scope of this licence shall be marked with the Standard Mark. Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act,2016.

TABLE 1
(Recommended Levels of Control by BIS- For Guidance Only)

(1)				(2)		
TEST DETAILS				LEVELS OF CONTROL		REMARKS
Clause	Requirements	Test Method				
		Clause	Reference	No. of Samples	Frequency	
5	Constructional Requirements	5	IS 11041	Adequate inspection to ensure that each cleaner conforms to the requirements of the specification, as applicable.		
6	Performance Requirements					
6.2	Test at No Load	6.2	IS 11041	Each Cleaner	Each Cleaner	
6.3	Rated Input Capacity	6.3	IS 11041	One	Each Control Unit	
6.4	Test at Load	6.4	IS 11041	Each Cleaner	Each Cleaner	
6.5	Long Run Test	6.5	IS 11041	One	Every 4 th Control Unit	
7	Other Requirements	7	IS 11041	Adequate inspection to ensure that each cleaner conforms to the requirements of the specification, as applicable. Each cleaner shall be provided with the operator's manual as per IS 8132. Manual shall also contain the information given in Annex F of IS 11041: 2025.		
8	Workmanship and Finish	8	IS 11041	Manufacturer shall exercise adequate in-process controls to ensure that each cleaner is free from harmful defects		
9	Marking and Packing	9	IS 11041	Each cleaner shall be marked and packed as per the provisions of clause 9. A minimum cautionary note worded as per Clause 9 shall be written in vernacular language legibly and prominently on the main body of each cleaner		