Draft Guidelines for Variant Testing of CHAFF CUTTER

Criteria for Determining New Model / Variant of Chaff cutter

1. Base Model

A base model of Chaff cutter shall be defined as the one which has defined specifications as reported in the Initial Commercial Test (ICT) report.

- Manufacturer shall specify the base model along with the list of variants, which could be added, deleted or supplemented to arrive at variants of the subject base model.
- The Chaff cutter will be tested as per the relevant Indian Standard (IS-11459-2024, 15542:2005 & 7898:2024) and an ICT report shall be released.

2. Variant Model

A variant model of Chaff cutter may be derived from a base model by addition/deletion/supplementation of one or more of the features without affecting much the principle of design and performance as mentioned in the Table 1.

For conformity of a variant model, specification of the model will be verified physically.

3. New Model

If any parameter/change falls outside the features listed in the Table 1, it shall be treated as a New Model and subjected to complete testing as per initial commercial test (ICT).

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Variants

1. Variants (Chaff cutter)

The variant model(s) may be derived from a base model by addition/deletion/supplementation of one or more of the features given in Table 1.

- The variants shall be subjected to test as specified against changes in features as mentioned in Table 1.

2. Submission of Application for Variant testing

- The manufacturer/applicant may submit the application for testing of a variant model along with the test (ICT) report of base model.
- If, during initial inspection, the model submitted for variant testing is found not qualifying within the definition of a variant, then the applicant has to apply for ICT as a new model.

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3. Test fees

The test fees for variant testing of the chaff cutter will be as under: -

Nature of test	Test to be conducted	Testing charges
Variant testing	Physical inspection + lab tests	20% of that of ICT Rs. 24392/-*
	Physical inspection + Field test	20% of that of ICT Rs. 24392/-*
	Physical inspection + Lab tests + Field test	30% of that of ICT Rs. 36588/-*

* As amended/revised time to time.

4. Validity of Test report

The validity of Variant test report will be the same as the validity of ICT report of tested base model.

5. Conformity Checks for Variants

- Verification of Specification for features of variant as per Table 1.

Table 1 Determination of Variants for Chaff cutter

(Chaff cutter - specific variant features)

Sr. No.	Features of Variant	Tests/Inspection Required
1.	Change in Cutter Head 1.Size of the cylinder/flywheel (allowed variation ±15% of base) 2.Size of blade (allowed variation ±15% of base) 3. No of blades (allowed variation ±1blade)	Dimensional verification & Field test is to be conducted for 2 hours. (2 trails for 1 hour each).
2.	Change in blade design without changing blade material	Dimensional verification & Field test is to be conducted for 2 hours. (2 trails for 1 hour each).
3.	Change in Feeding Mechanism (minimum one of the following) 1. Size of the feed roller (allowed variation ±15% of base) 2. Feeding chute length (allowed variation ±20% within 900-1200 mm) 3. Feed reversing mechanism	Dimensional verification & Field test is to be conducted for 2 hours. (2 trails for 1 hour each).
4.	Prime mover power and speed (rpm) change of ±20%.	Dimensional verification & Field test is to be conducted for 2 hours. (2 trails for 1 hour each).

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Note: If any parameter/change falls outside the features listed in this Table 1, it shall be treated as a ***New Model*** and subjected to complete testing as per initial commercial test (ICT).

Draft Guidelines for Administrative Extension of Chaff cutter

Administrative Extension

1.1 Definition
An Administrative Extension may be granted when changes made to a Chaff cutter are of non-technical nature and do not influence the functional performance of the machine.

1.2 Typical Modifications
- Change in paint colour or decals.
- Change in sheet metal parts such as covers, guards, or non-functional design features.
- Change in model name, denomination or number for marketing purposes.

1.3 Conditions
- No impact on field performance, durability or safety.
- The testing station that carried out the original test is authorized to issue the Administrative Extension Report.
- The Administrative Extension Report shall contain a clear reference to the original test report.

1.4 Test fees
Test fees for Administrative Extension will be 10% (i.e. Rs.12196/-*) of that of ICT of chaff cutter.
* As amended/revised time to time.

1.5 Validity of Test report
The validity of test report of Administrative Extension will be the same as the validity of ICT report of base model.

Note: Any changes/ modifications the manufacturer wishes to make to the model will become permanent modification to the base model. After release of the administrative extension report, the manufacturer is required to implement these changes in their production line. These modifications are considered permanent updates to the base model.

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Technical Extension

There is no scope for Technical Extension.

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