DRAFT GUIDELINES FOR VARIANT TESTING OF THRESHER (ENGINE/TRACTOR OPERATED)

Criteria for Determining New Model / Variant of Thresher

1. Base Model

A base model of thresher 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 thresher will be tested as per the relevant Indian Standards (IS 6320:1985 Specification for power thresher, Hammer mill type; IS 6284:1985 Test code for power thresher for cereals; IS 11691:1986 Specification for power thresher, Spike tooth type; IS 11234:1985 Test code for power thresher for Groundnut; IS 3327:2025 Pedal-Operated Paddy Threshers- Specification; IS 9020: 2002 Power thresher- safety requirements; IS 7052:1973 Test code for power maize shellers; IS 9019:1979 Code of practice for installation, operation and preventive maintenance of power threshers) and an ICT report shall be released.

2. Variant Model

A **variant model** of thresher 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 subject to complete testing as per initial commercial test (ICT).

Variants

1. Variants (Threshers)

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.

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2. Submission of Application for Variant testing

- The manufacturer/applicant may submit the application fortesting 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.

3. Test fees

The test fees for variant testing of the thresher 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/-* Testing charges for thresher (single crop) Rs. 44723/-* Testing charges for thresher (multi crop)
	Physical inspection + Field test	20% of that of ICT Rs. 24392/-* Testing charges for thresher (single crop) Rs. 44723/-* Testing charges for thresher (multi crop)
	Physical inspection + Lab tests + Field test	30% of that of ICT Rs. 36588/-* Testing charges for thresher (single crop) Rs. 67085/-* Testing charges for thresher (multi crop)

* 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 Thresher

(Thresher - Specific variant features)

Sl. No.	Features of Variant	Tests/Inspection Required
1	Change in position and size of feeding systems (Subject to no change in type)	Mandatory dimensional verification & Field test required- 2 hours (2 trials of 1 hour each)
2	Change in position, size and number of baffle plates of blower	Field test required- 2 hours (2 trials of 1 hour each)

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3	Change in position, size and number of outlets	Field test required- 2 hours (2 trials of 1 hour each)
4	Change in position, size and number of sieves	Field test required- 2 hours (2 trials of 1 hour each)
5	Change in position of drive of shaker unit	Field test required- 2 hours (2 trials of 1 hour each)
6	Change in size of concave (Subject to respective crop)	Mandatory dimensional verification & Field test required- 2 hours (2 trials of 1 hour each)

Note: If any parameter/change falls outside the features listed in the above Table 1, it shall be treated as a **New Model** and subject to complete testing as per Initial Commercial Test (ICT).

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Draft Guidelines for Administrative Extension of Thresher

Administrative Extension

1.1 Definition

An Administrative Extension may be granted when changes made to a Thresher are of non-technical nature and do not influence the functional performance of the implement.

1.2 Typical Modifications

- Change in paint colour or decals.
- Change in model name, denomination or number for marketing purposes.
- Change in Transport arrangements

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 Thresher (single crop).
Test fees for Administrative Extension will be 10% (i.e. Rs.22362/-*) of that of ICT of Thresher (multi crop).
* 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.

Technical Extension

There is no scope for Technical Extension.

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