

F.No. 13-17/2021-M&T (I&P) (C-98794)
Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture and Farmers Welfare
(Mechanization & Technology Division)

547, Krishi Bhawan, New Delhi
Dated the 29th August, 2025.

OFFICE MEMORANDUM

Sub: Implementation of the Guidelines for the Introduction of New Regime of Testing of Combine Harvester (Wheel Type) at NRFMTTI, Hisar (Haryana) and other approved designated FMTCs at CIAE- ICAR, Bhopal (MP), PAU, Ludhiana (Punjab)-reg.

Presently, Northern Region Farm Machinery Training and Testing Institute (NRFMTTI), Hisar is the only authorized test centre to test all types of Combine Harvesters. As per the citizen charter of this Ministry, time required to test the Combine Harvester (Wheel Type) is 12 months. In view of the issue of long testing period for the testing of Wheel Type Combine Harvesters, this Department had constituted a committee to revisit the testing process to reduce the testing time.

In view of the observations and recommendations of the committee, maximum time limit for completion of testing of Combine Harvesters (Wheel Type) has been reduced from 12 months to 90 working days. This has also necessitated the re-framing of the guidelines to realize the above target. The Department of Agriculture and Farmers Welfare, therefore, has approved the revised guidelines for the introduction of new, effective and faster process of Testing of Combine Harvesters (Wheel Type) at NRFMTTI, Hisar/FMTCs authorized to test combine harvesters/or any institute which will be authorized in future as per the enclosed Annexure for its implementation with effect from 1st September 2025.

Encl: As above.



(Dr. V. N. Kale)

Additional Commissioner (Machinery)

डॉ. विजयकुमार ना. काल/Dr. V. N. KALE
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Distribution:

1. Director, NRFMTTI, Hisar (Haryana)-The action taken report in this regard may be submitted to this department at the earliest.
2. Principal Investigator/HoD/In-Charge of FMTC at CIAE-ICAR, Bhopal (MP)/PAU, Ludhiana (Punjab).

3. Shri. Amar Singh, General Secretary, AICMA
4. Shri. Amrit Sagar Mittal- President (TMA)
5. Shri. Mitul Panchal-Chairman (AMMA)
6. Shri. Vikrant Chauhan, Scientist-B/ Assistant Director & member Secretary, FAD 11, Food and Agriculture Department. Bureau of Indian Standards, Manak, Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi-110002- With a request for incorporating it into the relevant Testing Standards as may be required on priority.

Copy to:

1. Sr. PPs to Secretary, DA&FW, Krishi Bhavan, New Delhi.
2. PPS to AS (PKM), DA&FW, Krishi Bhavan, New Delhi.
3. PPS to JS (M&T), DA&FW, Krishi Bhavan, New Delhi.
4. PPS to ADC (Machinery), DA&FW, Krishi Bhavan, New Delhi.
5. DC-I&II (M&T)/AC-I&II (M&T)/AE (M&T), DA&FW, Krishi Bhavan, New Delhi.

Annexure-I

Guidelines for the Introduction of New Testing Regime of testing of Combine Harvester (Wheel Type) at NRFMTTI, Hisar (Haryana) and other approved designated FMTCs at CIAE-ICAR, Bhopal (MP), PAU, Ludhiana (Punjab).

1. Selection of Test Sample: For Initial Commercial Testing/Batch Testing, the applicant may provide the two test samples for random selection, and the testing authority shall select the test sample through online mode. The manufacturer shall submit the sample ONLY AFTER EXPLICIT PERMISSION BY THE INSTITUTE to be taken into testing roll.
2. Verification of specification against the declaration by the applicant/manufacturer for various broad specifications including various lab tests, assemblies, sub-assemblies, drives, gears accessories shall be carried out by the institute in its campus only.
3. The running-in of the test sample under ICT may be conducted at the institute in its campus. However, for Batch testing the running-in may be conducted at manufacturer's site.
4. Field performance test of combine harvesters (wheel type) may be conducted at testing centre/Govt. farms/field arranged by applicant in Wheat or Paddy crop for **50 hours** as desired by the manufacturer and ICT test report shall be released. However, the manufacturer may also opt to get the combine harvester tested in both the wheat and paddy crop.
5. Thus, the manufacturers will have the liberty to get the machine tested either in wheat or in paddy crop for 50 hours, and for additional crop, where no change in header assembly is required, it may be tested for additional 25 hours **with extra fees** and technical extension shall be issued.
6. The following Ten Performance Tests are mandatory for the Combine Harvesters (Wheel Type) and these tests shall be carried at Northern Region farm machinery Training and Testing Institute, Hisar /FMTCs authorized to test combine harvesters/or any institute which will be authorized in future.



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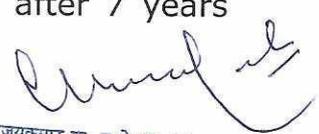
Mandatory Tests:		
Sl. No.	Test	IS Standard Applicable
(i)	Nominal Speed test	IS 5994 - 2022
(ii)	Header Lifting and Lowering test	IS 8122 (part - 2) - 2000 (Reaffirmed Year 2021)
(iii)	Centre of Gravity	IS 10743 - 1983
(iv)	Visibility/Field of Vision Test	IS 11442 - 1996
(v)	Mechanical Vibration Test	IS 5994 - 2022
(vi)	Field performance for 50 hours (any crop)	IS 8122 (part -1) - 1994 (Reaffirmed Year 2021) IS 8122 (part - 2) - 2000 (Reaffirmed Year 2021) and IS 15806 - 2018
(vii)	Air Cleaner oil pull over test (if applicable)	IS 5994 - 2022 & IS 8122 (part - 2) - 2000 (Reaffirmed Year 2021)
(viii)	Material Analysis	IS 6024 - 1983 (Reaffirmed Year 2019) , IS 6025 - 2024 and IS 10378 - 2024
(ix)	Specification checking of combine harvester	IS 8122 (part - 2) - 2000 (Reaffirmed Year 2021)
(x)	Components/Assembly inspection (Except engine Components)	IS 5994-2022 & IS 8122 (part - 2) - 2000 (Reaffirmed Year 2021)

7. The data pertaining to the following tests shall be provided by the manufacturers by referring the CMVR Certificate/report. Thus, during Initial Commercial Test (ICT), the above-said tests shall not be repeated. However, the manufacturers have to compulsorily provide the above-said data, as these data will be required for filling the Table: Parameter applicable for qualifying minimum performance criteria as per IS: 15806-2018.
- Noise level test (by-stander's position)
 - Turning ability test (turning space and turning diameter)
 - Parking Brake test
 - Brake Performance test (cold and brake fade test).
8. The Final Test Report consisting of only MANDATORY TESTS shall be released by the institute within 90 working days. The limit of 90 working days would not be applicable in case of the delay attributable to seasonal constraints such as rainfall, excessive ambient temperature or the ones caused by the firm.


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9. The Final Test Report under Technical Extension shall be released within 45 working days. The limit of 45 working days would not be applicable in case of the delay attributable to seasonal constraints such as rainfall, excessive ambient temperature or the ones caused by the firm.
10. The Final Test Report under Administrative Extension shall be released within 30 working days. The limit of 30 working days would not be applicable in case of the delay attributable to seasonal constraints such as rainfall, excessive ambient temperature or the ones caused by the firm.
11. The following key decisions were also be made to streamline the testing process and promote ease of doing business:
 - i. **Full Test Fee Required:** Manufacturers must submit 100% of the test fee online via Bharat Kosh for each combine harvester model.
 - ii. **Dual Crop Testing (Default):** As per IS 15806:2018, combine harvesters should be tested in both wheat and paddy crops, unless the manufacturer specifies a single crop.
 - iii. **25-Hour Performance Test:** The testing institute will conduct a 25-hour performance test in either paddy or wheat, depending on the season and crop availability.
 - iv. **Provisional Test Report (PTR):** A PTR shall be issued within 90 working days after 25 hours of field testing and lab tests, based on performance in one crop. This timeline may be extended due to seasonal or firm-related delays.
 - v. **Eligibility for Subsidy:** A PTR, along with CMVR and Conformity of Production (COP) certificates, will qualify manufacturers for government subsidy programs for the tested crop.
 - vi. **PTR Validity:** Provisional Test Reports are valid for six months.
 - vii. **Mandatory Second Crop Test:** Manufacturers must complete testing in the alternate crop to receive a Final Test Report (FTR).
 - viii. **CMVR Data Utilization:** Manufacturers shall provide data for noise level, turning ability, mechanical vibration, parking brake, and brake performance tests from their CMVR certificates, eliminating the need to repeat these tests during the Initial Commercial Test (ICT).
12. The Combine Harvesters (Wheel Type) are required to meet evaluative parameters in respect of the mandatory Tests, in order to recommend for inclusion in the subsidy list.
13. The first Batch Test shall be required to be conducted after 7 years and subsequent ones after the period of 9 years.

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