



# Farm Machinery Testing, Training and Demonstration Centre

Department of Farm Machinery and Power Engineering,  
College of Agricultural Engineering, JNKVV, Jabalpur, M.P.



## Rules and Regulation of Farm Machinery testing

- 1 Two categories of tests of farm machinery (**Annexure I**) viz. Commercial and Confidential will be carried out at this centre.
- 2 Agricultural Machinery and equipments including new equipments developed by ICAR/State Government, Research Institutions as per Annexure-I, Schedule-B of No. 8-1/2004 – M&T (I &P), dated 14<sup>th</sup> September 2010 only, will be considered for testing by this centre.
- 3 Machines / Equipment will be tested after receipt of written request from (Application Form, **Annexure II**) Manufacturer / dealer (referred to “**Applicant**” hereinafter). Following may be ensured before accepting test samples:
  - a. Full technical specifications (**Appendix A**) of the Test Sample in prescribed format with appropriate Engineering Drawing.
  - b. Advance Test Fee as decided by respective Testing Authorities is submitted by the applicant (**Annexure III**)
- 4 Tests will be carried out at the discretion of the Testing In-charge, Farm Machinery Testing, Training and Demonstration Centre, Department of Farm Machinery and Power Engineering, College of Agricultural Engineering, JNKVV, Jabalpur, M.P., herein-after referred to as “**Testing Authority**” to whom application on prescribed form may be addressed. The centre will maintain the record for testing of equipment as given in **Annexure IV**.
- 5 Testing of equipment will be conducted as per relevant BIS Test Codes available. If for any machine / component the BIS code is not available, the Testing Authority may consult other designated institutions /FMTTI’s /PC (FIM), CIAE, Bhopal for similar code. In case it is not available anywhere, the test procedure shall be framed by the Testing Authority in consultation with applicant/manufacturer etc. However, the testing of equipment may depend upon the existing / available resources i.e.

land, crop, instrumentation etc (Appendix B). The time schedule applicable for testing of equipment is given in **Annexure V** as Citizen Charter.

- 6 The manufacturer/applicant shall supply spare parts necessary for general maintenance or minor repairs to the testing Authority. Unused spares will be returned to applicant after completion of test. In case of damage or break down of any component during the course of testing, the applicant, with the permission of Testing Authority, should replace the component with a new one having same specifications.
- 7 The applicant shall also supply special tools, if any, required for servicing adjustment minor/major repair of the machine along with list thereof.
- 8 The applicant shall supply two copies each of published literature, detailed specification, operator and service (workshop) manual and illustrated parts catalogue along with the test sample in English as well as in regional language. Other technical detail as specified by Testing Authority shall also be supplied by the applicant.
- 9 The operation of the machines shall be carried out according to the procedure laid down in the manufacture's printed literature / leaflet unless otherwise specified by the applicant prior to the commencement of test.
- 10 It will be the responsibility of the applicant to ensure that the machine or equipment is in good working condition. In case the machine requires running in test, same will be carried in consultation with the Testing Authority.
- 11 One authorized representative of the applicant, at the discretion of the Testing Authority, will be permitted to witness the testing process. The representative may also be allowed to collect necessary factual data about the performance of the machine on the clear understanding that the name of the Testing Authority shall not be associated with data so collected or published later.
- 12 For conducting field performance tests on agriculture machinery, the applicant should supply all necessary attachments, jigs, fixtures etc. along with the test sample. Testing Authority will not be responsible for any damage to or variation in the performance of machine due to inappropriate attachments.

- 13 Neither the Testing Authority nor anybody engaged in this behalf for conducting tests will be held responsible for any accident, damage or loss whatsoever, to the machine/component/equipment which may occur while in custody, storage, transit and /or during the tests.
- 14 When special/additional parameters are to be measured during performance tests, additional expenditure as determined, at the discretion of Testing Authority, will be payable by the applicant.
- 15 The Testing Authority will have right to accept / deny for the test looking to the other duties assigned by the university to the testing staff.
- 16 The testing of machine/ components shall be commenced by the testing authority only after completion of all formalities by the applicant.
- 17 On completion of test and payment of testing charges in full, a copy of the "draft" test report (Appendix C) shall be prepared by the approved/ designated centre and made available to the applicant for comments. The applicant shall furnish comments within 15 days. In case the applicant fails to submit comments within the stipulated time, the Testing Authority may release the final test report. In case of commercial test reports, such applicant's comments which contribute technically to the contents of the test report will, at the discretion of the Testing Authority, be included in the test report under a separate chapter referred to as "Applicant's Comments".
- 18 The test reports issued by the Testing Authority shall be applicable to a particular model or sample of machine/implement/component etc. only, not to similar/variant model.
- 19 The test reports issued by the Testing Authority shall contain only performance data/ parameters obtained on a particular sample of a model/brand during testing by the Testing Authority. However, these do not communicate / signify approval / recommendation of the Government of India or the Testing Authority for any Govt. programme or otherwise.
- 20 No interim test report shall be issued to a machine while under testing.
- 21 Various laboratory tests data viz. checking specification in full, hardness - chemical composition of soil engaging parts in case of tillage tools, measurement of capacity

in respect to storage, fuel and lubricant levels etc. shall only be recorded in prescribed format.

- 22 All performance characteristics viz. power, capacity including matching size of prime mover or power source shall be declared by the manufacturer / applicant before starting of test.
- 23 For the machines, where testing charges have not been fixed, all charges on account of test fee, stores, fuel, oils, lubricants, spare parts, general stores, workshop charges, other items as laid down by the Ministry of Agriculture, labour over-heads incurred during the test shall be borne by the Applicant. It will be at the discretion of the Testing Authority to accept / deny the test sample.
- 24 If the tests are carried out at a place other than the premises of Farm Machinery Testing, Training and Demonstration Centre, Department of Farm Machinery and Power Engineering, College of Agricultural Engineering, JNKVV, Jabalpur, M.P. All transportation charges to and from the place of test, travelling allowance/daily allowance of the staff, etc. shall be borne by the Applicant at the discretion of Testing Authority.
- 25 If the machine is withdrawn from test, written permission of the Testing Authority will have to be obtained. In such case test fee plus all other expenditure as indicated above for test conducted shall be charged. For the machines where testing charges have been fixed, entire test fee advance shall be forfeited in the event of their withdrawal from test.
- 26 The test charges as and when revised by this Centre shall have to be paid by the Applicant from the date of their applicability, even if after completion of the test, the draft test report has not been released.
- 27 In case some parts are required by the Testing Authority for destructive tests, these shall be arranged free of cost by the Applicant.
- 28 Parts or assemblies of machines worn out or damaged during test shall be replaced/ repaired by the Applicant free of cost within the time specified by the Testing Authority.

- 29 The cost of fixtures etc. which are not normally available at the Institute and which are found necessary for working of the machine under test and all special stores items shall be borne by the Applicant.
- 30 The applicant will make his own arrangements to collect the machine as and when intimated by the Testing Authority. If the applicant fails to remove the machine as per intimation, the applicant will be liable for payment of ground rent as fixed by the Testing Authority for a period not exceeding one month. After the expiry of one month, one month notice will be served on the applicant by the Testing Authority. If the applicant fails to remove the machine within this period, the machine will become the property of the Institute and may be disposed off by auction at the discretion of the Testing Authority.
- 31 If any un-patented machine or a machine in respect of which a proper application for patent has not been duly made, is submitted for test, it will not be published or disclosed to the public by the Farm Machinery Testing, Training and Demonstration Centre, Department of Farm Machinery and Power Engineering, College of Agricultural Engineering, JNKVV, Jabalpur, M.P. and the matter will be treated as confidential so that the right of the inventor or a person claiming through him to get a patent for a machine is not prejudiced.
- 32 If in the course of testing a machine/component, any invention and/or developments originate from the officers of the Farm Machinery Testing, Training and Demonstration Centre, Department of Farm Machinery and Power Engineering, College of Agricultural Engineering, JNKVV, Jabalpur, M.P., this testing centre may at the discretion take out separate patents to protect the subject matter invented and/or developed.
- 33 If the tests on a machine submitted for confidential test have been conducted as per relevant commercial test procedure in all respects, then on the request in writing of the applicant, the Testing Authority, after satisfying himself may permit conversion of nature of test from "Confidential" to "Commercial".
- 34 In case any dispute arises in respect of testing, the final decision of the Vice Chancellor, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Adhartal, Jabalpur, M.P.

will be binding upon all. However, a suit in that on behalf shall be subject to Jabalpur Jurisdiction.

35 Dept. of Agriculture and Cooperation, Govt. of India / Jawaharlal Nehru Krishi Vishwa Vidyalaya reserves the right to make alteration / addition in the rules and regulation.

36 a) After submission of the applications, as and when their turns come for testing of their farm machinery; the applicants are intimated by this testing centre to ready / provide minimum sample of their farm machinery as below (or as per guidelines provided by DAC&FW, GOI, New Delhi time to time).

Sr. No.	Cost of machinery (Rs.)	Minimum sample size (no. of units)
1	Upto Rs. 35,000	20
2	Rs. 35,000 to Rs. 1,00,000	10
3	Rs. 1,00,000 and above	5
4*	For combine harvester	2
5*	For tractors and power tillers	5
6	For any imported machinery	5

\* Presently the centre is not authorized to test these machines.

- b) The testing authority / subordinate staff of this centre will visit and make the random selection of the test sample in the Performa as Annexure-I. After selection of the test sample, they will provide seal on its critical components. The test sample selected shall be submitted at this centre within a week by the applicants at his own cost.
- c) At the arrival of the test sample, the testing authority will ensure that serial no. / labelling plate and the seals of the critical component are intact.
- d) The test report will also include the serial nos. of the available machines at the time of random selection of the test sample.
- e) Expenditure of to and fro charges with lodging /boarding of the staff going for random sampling shall be borne by the respective applicant.

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