



## Success Story

on

### **Establishment of Farm Machinery Testing Centre**

(Funding Amount: Rs.83.52 lakhs, Project Duration:2010-12)

**&**

### **Strengthening of Farm Machinery Testing Centre**

(Funding Amount: Rs.100 lakhs, Project Duration:2012-14)

at

Department of Farm Machinery and Power Engineering  
College of Agricultural Engineering & Technology,  
CCS Haryana Agricultural University  
Hisar-125 004

Principal Investigator: Er. Mukesh Jain, Assistant Professor

Under the funding of  
Rashtriya Krishi Vikas Yojna (RKVY)

## Success Story

on

1.	Title	Establishment of Farm Machinery Testing Centre & Strengthening of Farm Machinery Testing Centre
2.	Category	Agricultural Mechanization
3.	<b>Challenge:</b>	<p>The Govt. is giving subsidy on the purchase of farm machines which are tested at the four farm machinery training and testing institutes established by Govt. of India at Budni, Hisar, Annapur and Biswanath Chariali. But it was not possible for the four institutes to test all the tractors and farm machines in short duration with the result, the manufacturers had to wait for longer duration to get their machines tested by the above said four institutes. Keeping in this view, the Department of Farm Machinery and Power Engineering, CCS HAU, Hisar expressed its willingness to shoulder the responsibility of testing of farm machines as per the BIS codes. Accordingly, Department of Agriculture and Cooperation, Ministry of Agriculture, Govt. of India vide letter No. F.No.8-1/2004- My (I&amp;P) dated 14<sup>th</sup> September, 2010 had approved the College of Agricultural Engineering and Technology, CCSHAU, Hisar for testing and certifying Agricultural Machinery and Equipments. However no budget was provided. Thus, the Department submitted a proposal for funding the project on Establishment of Farm Machinery Testing Centre at CCSHAU, Hisar.</p> <p>During 2010-12, a project entitled “Establishment of Farm Machinery Testing Facility” was approved for a total cost of Rs. 83.52 lakh. With this amount the farm machinery testing centre was set-up and started to test the farm machinery received from the manufacturers. However, the infrastructure and instrumentation was not sufficient. Therefore, a project entitled “Strengthening of Farm Machinery Testing Centre” was submitted for the strengthening the testing centre with more infrastructure and instrumentation amounting Rs.100 lakhs.</p>
4.	<b>Initiative:</b>	<p>The basic infrastructure needed for testing of farm machinery was developed by procuring four nos. of prime movers, PTO torque sensor, data acquisition system, vibrationmeter with accelerometer, renovation/strengthening of sheds, measuring gadgets, patternator, seed drill calibration rig, etc. Necessary guidelines needed for the testing of agricultural machinery was formulated and the applications were invited for testing of farm machinery w.e.f. 08.08.2011. The Department has received 1887 applications from various manufacturers for</p>

the testing of various farm machinery as on 31.03.2017 and approximately 1428 applications have been disposed off and more numbers of applications are being received every day. Till date, approximately 500 test reports of different agricultural machinery have been released. Thus, the Deptt. has enough work to continue the scheme, as it is essential to ensure that quality products are available for the farmers.

5. **Key result/ insight/ interesting fact:**

The establishment of testing facility for farm machinery in the Department of Farm Machinery and Power Engineering has helped in testing of more agricultural equipments that are favourable for the state of Haryana. This has also helped in the availability of quality agricultural machines to the farmers of the State. Till date, approximately 500 numbers of different agricultural machinery fabricated by different manufacturers have been tested.



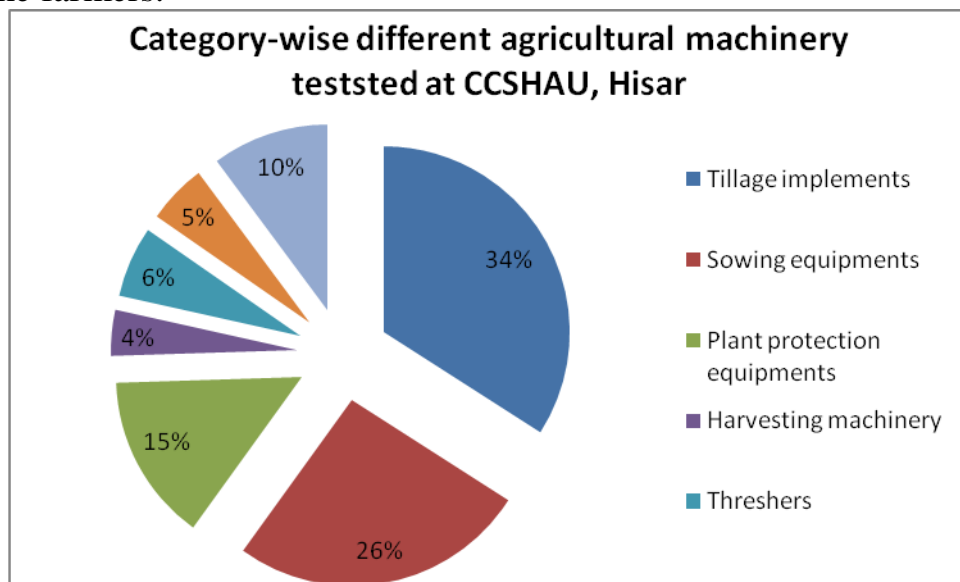
**A view of the Farm Machinery Testing Centre established under RKVY**



**Hon'ble Governor of Haryana Sh. Kaptan Singh Solanki having a glance at the test reports released by Farm Machinery Testing Centre**

6. **Impact:**

In order to achieve maximum returns, agricultural machinery need to be designed and developed efficiently and tested thoroughly to ascertain their field performance before they reach to the farmers. Many of the farm machines being made lack quality, precision and fail in the field. Moreover, it is an established fact that when more manufacturers are encouraged to manufacture a particular equipment, a sought of competition prevails amongst them resulting in a better quality of product thus favouring the farmers. As on 31.03.2017, 502 nos. of different agricultural machinery has been tested at CCSHAU, Hisar as depicted in the pie-chart which is ensuring availability of quality products at competitive rate to the farmers.



7. **Lessons Learned:**

As the funds were given for the development of infrastructural facilities, it becomes difficult to meet out the recurring expenditure for successful operation of any project. Thus, provision of recurring expenditure in the initial years of project will help in the smooth functioning of the project. At CCSHAU, Hisar recurring expenditure is being met out from a self-financing project.

8. **Supporting Quotes and Images:**

“Establishment of farm machinery testing centre at CCSHAU, Hisar has really reduced the long waiting period to get our machinery tested.”

Sh. Ranjit Singh, M/s. Sadhu Agro Industry, Fatehabad

“The testing procedure and suggestions of testing authority helps us in the quality management and product upgradation for the benefit of farmers.”

Sh. Sanjay Garg, M/s. VSM International (P) Ltd., New Delhi

“We got our machines tested at CCSHAU, Hisar. Now, our firm has been included in the list of approved fabricators by various States for the disbursement of subsidy to the farmers for the supply of different agricultural machinery”

Sh. Mahavir Jangra, M/s. Aman Viswakarma Engg. Works, Hisar



Manufacturers receiving the test reports of their product during different occasions

9. Additional information:

1. Project partners/donors: Nil
2. News Items

## Farm machinery testing centre opens at HAU

Devendra Uppal

chdnewsdesk@hindustantimes.com

**HISAR:** The Farm Machinery Testing Centre, established recently at Haryana Agricultural University (HAU), was inaugurated on Monday.

A meeting of the farm machinery manufacturers was also organised at the university on the occasion. More than 200 participants including agricultural scientists and members and office-bearers of the Haryana Farm Machinery Manufacturer's Association took part in the meeting.

Inaugurating the centre, HAU vice chancellor Dr KS Khokhar said that agricultural machinery industry should be provided with incentive and sup-



HAU vice chancellor Dr KS Khokhar inaugurates Farm Machinery Testing Centre and Farm Machinery Manufacturer's Meet.

DEVENDRA UPPAL/HT PHOTO

port, as it lacked in infrastructure and expertise. He said that agriculture sector, which was contributing nearly 16 per cent

to the gross domestic product (GDP) of the country, depended heavily on the support of farm machinery industry.

Highlighting the importance of farm mechanisation, the vice chancellor said that it helped in effective utilisation of inputs to increase the productivity of land and labour besides reducing the drudgery of farm operations.

Speaking on the occasion, HAU director of research Dr RP Narwal said that farmers have realised the importance of farm machinery and implements in augmenting the productivity.

In order to achieve maximum returns, Dr Narwal advocated that before these implements reach the farmers, majority of whom are illiterate or semi-illiterate, it was imperative that their designing and efficiency be tested thoroughly to ascertain their field performance.

## पंजाब केसरी

09.08.2011

### कृषि मशीनरी उद्योग को बढ़ावा दिया जाए : खोखर

हकृषि में कृषि संयंत्र परीक्षण केंद्र का उद्घाटन

हिसार, 8 अगस्त (ब्यूरो): हरियाणा कृषि विश्वविद्यालय में नव स्थापित कृषि संयंत्र परीक्षण केंद्र के उद्घाटन के उपलक्ष्य में आज विश्वविद्यालय में कृषि मशीनरी निर्माताओं की बैठक आयोजित की गई। विश्वविद्यालय के कृषि अभियंत्रण व टेक्नोलॉजी कालेज के फार्म मशीनरी एंड पावर इंजीनियरिंग विभाग द्वारा आयोजित करवाई गई उक्त बैठक में कृषि औजार निर्माताओं, संयंत्र उद्योगों के प्रतिनिधियों व कृषि वैज्ञानिकों सहित करीब 250 प्रतिभागियों ने हिस्सा लिया। विश्वविद्यालय के कुलपति डा. के.एस. खोखर ने उक्त केंद्र का उद्घाटन किया। इस दौरान कुलपति ने कहा कि आज के तीव्र विकास के युग में कृषि मशीनरी उद्योग को बढ़ावा देने की नितांत आवश्यकता है। आज जब हर क्षेत्र में तीव्र विकास हो रहा है, ऐसे में जरूरी



हकृषि कुलपति डा. के.एस. खोखर कृषि मशीनरी निर्माताओं की बैठक को संबोधित करते हुए।

है कि कृषि कार्यों में उपयोग होने वाले समय, श्रम व पैसा बचत के उन्नत कृषि औजारों एवं संयंत्रों की पहुंच सीमांत एवं मध्यम दर्जे के किसानों तक हो। उन्होंने केंद्रीय कृषि मंत्रालय के प्रति कृतज्ञता व्यक्त की जिसने अब देश के 21 कृषि विश्वविद्यालयों में संयंत्र परीक्षण केंद्रों की स्थापना की है। इस अवसर पर विश्वविद्यालय के अनुसंधान निदेशक डा. आर.पी. नरवाल ने कहा कि अब

किसानों में उन्नत कृषि औजारों के प्रति जागरूकता आई है।

कृषि अभियांत्रिकी कालेज के डीन डा. एम.के. गर्ग ने कहा कि इस केंद्र की स्थापना राज्य कृषि विकास योजना के माध्यम से केंद्रीय कृषि व सहकारिता विभाग से प्राप्त करीब एक करोड़ रुपए के अनुदान से की गई है। उन्होंने बताया कि कृषि उपकरणों के परीक्षण का हरियाणा में यह दूसरा केंद्र है।



**Farm Machinery Manufacturers Association Meet held at CCS HAU, Hisar**

गांव डाबड़ा में किसानों को पराली प्रबंधन की जानकारी देते एचएचयू के विशेषज्ञ।

## फसल अवशेषों के प्रबंधन के लिए उपकरणों को बढ़ावा दें : विजया

विभाग अध्यक्ष बोले-स्ट्रॉ बेलर मशीन उपयुक्त, मिल रही है सब्सिडी

**भास्कर न्यूज़ | हिस्सर**

हरियाणा कृषि विश्वविद्यालय के फार्म मशीनरी एवं ऊर्जा अभियान्त्रिकी विभाग के विशेषज्ञों ने धान की पराली जलाने की समस्या से निजात दिलाने के लिए डाबड़ा गांव में एक कार्यक्रम आयोजित करके किसानों को पराली प्रबंधन के लिए जानकारी दी। उपरोक्त विभाग की अध्यक्ष डॉ. विजया रानी ने कहा कि पराली के प्रबंधन के लिए स्ट्रॉ बेलर नामक मशीन बहुत उपयुक्त मशीन है और राज्य सरकार द्वारा किसानों को इस मशीन पर सब्सिडी भी दी जा रही है। उन्होंने बताया कि इस मौके पर पैडी स्ट्रॉ चपर-कम-स्प्रेडर के बाद रोटावेटर के प्रयोग का प्रदर्शन भी किया गया। विशेषज्ञों ने जीरो टिल सीड ड्रिल तथा हैप्पी सीडर के प्रयोग के लिए बल दिया है। उत्तरी क्षेत्र फार्म मशीनरी प्रशिक्षण एवं परीक्षण संस्थान के सहयोग से आयोजित किया गया था।

**Dainik Bhaskar 18.11.2016**

# Certificate of Registration



M14450915IN

This is to certify that the Quality Management System of

**FARM MACHINERY TESTING CENTRE**  
(DEPARTMENT OF FARM MACHINERY & POWER ENGINEERING)

COLLEGE OF AGRICULTURAL ENGINEERING & TECHNOLOGY  
CHAUDHARY CHARAN SINGH HARYANA AGRI. UNIVERSITY  
HISAR - 125001, HARYANA, INDIA.

has been audited and conformed to be in accordance  
with the requirements of

## ISO 9001:2015

The Quality Management System is Applicable to :

TESTING AND CERTIFICATION OF AGRICULTURAL MACHINERY &  
EQUIPMENTS

Certificate No: 17QAC29  
Initial Registration Date: 07/04/2017  
First Surveillance Date: 07/03/2018  
Second Surveillance Date: 07/03/2019

Issuance Date: 07/04/2017  
Date of Expiry\*: 06/04/2020



DIRECTOR



ACCURATE BUSINESS CERTIFICATION PRIVATE LIMITED

3rd Floor, Building No. 1, Community Center, East of Kailash, New Delhi - 110065 Email: info@abcert.in

Certificate Verification: The Certification Validity can be re-checked at [www.abcert.in](http://www.abcert.in) at Clients Directory  
Certificate is the property of ABC and shall be returned immediately when demanded.

\*Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date.

## ISO certification for the established Farm Machinery Testing Centre

### Contact person for this story:

Er. Mukesh Jain

Assistant Professor

Department of Farm Machinery and Power Engineering,

College of Agricultural Engineering and Technology

CCS Haryana Agricultural University

Hisar-125004

Mobile No. 9416397798,

e-mail: [mukeshjainhisar@rediffmail.com](mailto:mukeshjainhisar@rediffmail.com)



