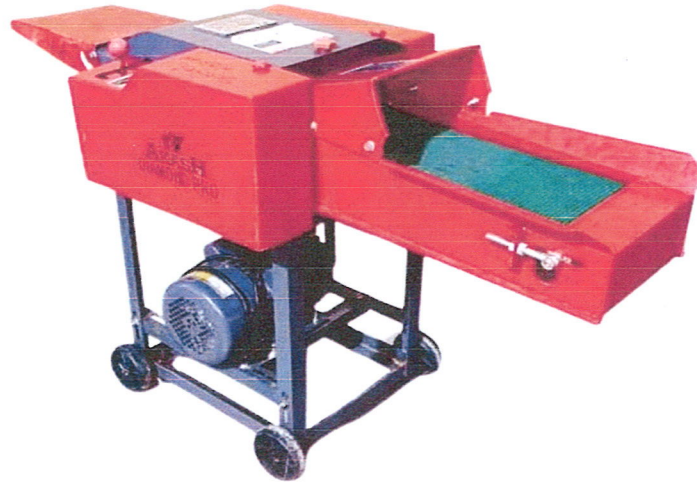


THIS TEST REPORT IS VALID UPTO 30.09.2032



AJAY AGRITECH, DIAMOND PRO CHAFF CUTTER
(Electric Motor Operated)



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि एवं किसान कल्याण विभाग

Department of Agriculture and Farmers Welfare


दक्षिणी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

Southern Region Farm Machinery Training and Testing Institute

ट्रैक्टर नगर, गार्लदिन्ने-515 731, जिला: अनंतपुर (आं. प्र.)

Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)

[An ISO 9001:2015 CERTIFIED INSTITUTE]

PHT/SRFMTTI, ANANTAPUR/2025-26/ 07/07/1938	AJAY AGRITECH, DIAMOND PRO CHAFF CUTTER THIS REPORT IS VALID UPTO 30.09.2032	
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Manufactured, (apa) : Hunan Dongfanghong Electromechanical
Manufacturing Co., Ltd Wuli Brand Economic
Development Zone, Shuangfeng County, Loudi
City, Hunan Province, **China**.

Applicant : AJAY AGRITECH,
Gat No 212 Gala No 59, Panjarpol Gorakshan
Sanstha, Opp. Newaskar Petrol Pump, Station
Road, Ahmednagar, Maharashtra, India-414001.

AJAY AGRITECH, DIAMOND PRO CHAFF CUTTER (Electric Motor Operated)

Report No.: PHT/SRFMTTI, ANANTAPUR/2025-26/07/07/1938

Month: **October**

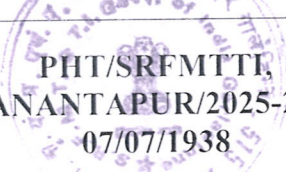
Year: **2025**



Government of India
Ministry of Agriculture and Farmers Welfare
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Southern Region Farm Machinery Training and Testing Institute
Tractor Nagar, Garladinne- 515 731, District: Anantapur (A.P.)
[An ISO 9001:2015 CERTIFIED INSTITUTE]

Website: <http://srfmtti.dacnet.nic.in/>

E-mail: fmti-sr@nic.in

 PHT/SRFMTTI, ANANTAPUR/2025-26/ 07/07/1938	AJAY AGRITECH, DIAMOND PRO	COMMERCIAL (ICT)
	CHAFF CUTTER THIS REPORT IS VALID UPTO 30.09.2032	

Type of test : COMMERCIAL (ICT)

Name of Machine : Chaff Cutter (Electric Motor Operated)

Period of test : September, 2025 to October, 2025

Test Report No. : **PHT/SRFMTTI, ANANTAPUR/2025-26/07/07/1938**

Month / Year : October, 2025

- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- The test sample was selected randomly through virtual mode by institute.
- The results presented in this report do not, in any way, attribute to the durability of the machine.
- This report should not be reproduced in part or full without prior permission of the Director, Southern Region Farm Machinery Training and Testing Institute, Garladinne, Anantapur (A.P.).
- This is a report on Commercial Test of Chaff Cutter named “**AJAY AGRITECH, DIAMOND PRO CHAFF CUTTER**”. This report is valid up to **30.09.2032**, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023.

SELECTED CONVERSIONS

S. No.	Units	Conversion Factor
1	Force	
	1 kgf	9.80665 N
		2.20462 lbf
2	Power	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
3	1 Kw	1.35962 Ps
	Pressure	
	1 psi	6.895 kPa
	1 kgf/cm ²	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm ²
	1 mm of Hg	1.3332 m-bar

 <p>PHT/SRFMTTI, ANANTAPUR/2025-26/ 07/07/1938</p>	AJAY AGRITECH, DIAMOND PRO CHAFF CUTTER	COMMERCIAL (ICT)
	THIS REPORT IS VALID UPTO 30.09.2032	

1	2	3	4	5
6	Length of conveyor, mm	1200 (Min.)	630	Does not conform
7	Length of chute, mm	900 (Min.)	630	Does not conform
8	Thickness of chute sheet, mm	>1.6	1.8	Conforms
9	Covering of chute or conveyor, mm	450 (Min)	250	Does not conform
10	Height of feeding unit, mm	750 to 1100	625	Does not conform
11	Cautionary notice	Must be provided	Provided	Conforms
12	Marking/labeling of machine	The labeling plate should be riveted on the body of the machine having name and address of manufacturer, country of origin, make, model, year of manufacturer, serial number, Type, Require size of prime mover (kW)	Provided	Conforms
13	Literature	Operator manual, service manual and parts catalogue shou be provided	Provided	Conforms

13. SUMMARY OF OBSERVATION, COMMENTS & RECOMMENDATIONS

13.1 Following modifications/improvements, being safety requirement, are required to be made to develop the chaff cutter as conforming to IS 15542:2005.

13.1.1 A minimum cautionary notice as per IS 15542:2005 shall be written in vernacular language on a labeling plate.

13.2 The Hardness Chemical analysis:

The Hardness & chemical composition of blade Does not conform the IS 1511:1979 (Reaffirmed 2012). This should be looked into for corrective action.

PHT/SRFMTTI, ANANTAPUR/2025-26/ 07/07/1938	AJAY AGRITECH, DIAMOND PRO CHAFF CUTTER	COMMERCIAL (ICT)
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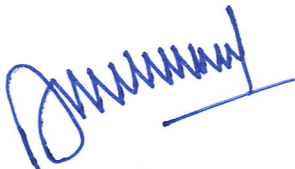
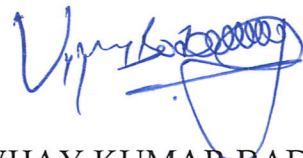

13.3 The following dimensions of chute for electric motor operated chaff cutter are not conforming to the recommendations of Dangerous Machine (Regulation) Rules, 2007 and needs to be looked into.

S. No.	Description	Observation	Remarks
i)	Provision for changing the angle of placement of trough shall be made.	Provided	Conforms
ii)	At the rear side of the trough a support shall be made.	Provided	Conforms
ii)	The total length shall be min. of 900 mm.	630	Does not conform

13.4 Adequacy of literature supplied with the machine:

Operation, Service, Maintenance manual cum part catalogue of chaff cutter in English were provided for reference during the test. It is however, recommended that same may be revised and brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the sake of user & technical personnels.

TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. VIJAY KUMAR-BADAYA SENIOR AGRICULTURAL ENGINEER
 Dr. P.P. RAO DIRECTOR	



14. APPLICANT'S COMMENTS
-NIL-