

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)
COMMERCIAL TEST REPORT (INITIAL)

संख्या/No: PTH/SRFMTTI,
ANANTAPUR/2025-26/01/01/1893
माह/Month: July, 2025

THIS TEST REPORT IS VALID UPTO 30.06.2032



**SWASTIK FARM KRAFTS, SFK-CC-1500S 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.)

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Manufacturer, (apa) : M/s. Hunan Weiyan Machinery Technology Co Ltd,
Hunan, **China**.

Applicant : M/s. Swastik Farm-Krafts
#27/2, Herohalli Cross, Magadi Main Road,
Sunkadkatte, Bangalore 560091.

**SWASTIK FARM KRAFTS, SFK-CC-1500S CHAFF CUTTER
(Electric Motor Operated)**

Report No.: PTH/SRFMTTI, ANANTAPUR/2025-26/01/01/1893

Month: **July**

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Type of test : COMMERCIAL (ICT)

Name of Machine : Chaff Cutter (Electric Motor Operated)

Period of test : April, 2025 to May, 2025

Test Report No. : PTH/SRFMTTI, ANANTAPUR/2025-26/01/01/1893

Month / Year : July, 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 "SWASTIK FARM KRAFTS, SFK-CC-1500S CHAFF CUTTER (Electric Motor Operated)". This report is valid up to 30.06.2032, 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
	1 Kw	1.35962 Ps
3	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



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12. CRITICAL TECHNICAL SPECIFICATIONS

S.No.	Type	Specification	Observed	Remarks
1	Type	Power operated	Power operated	Conforms
2	Basis of cutting mechanism type	Fly wheel or cylinder	Cylinder	Conforms
3	Basis of cut chaff dropping position type	Let fall, throw away or blow	Throw away type	Conforms
4	Material of blade	Mn42	High carbon steel	Does not conform
5	Hardness of blade	48-52	35 to 39	Does not conform
6	Length of conveyor, mm	1200 (Min.)	515	Does not conform
7	Length of chute, mm	900 (Min.)	630 mm	Does not conform
8	Thickness of chute sheet, mm	>1.6	2.00	Conforms
9	Covering of chute or conveyor, mm	450 (Min)	240	Does not conform
10	Height of feeding unit, mm	750 to 1100	610	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 should 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** Blade should be marked with size code, Batch code and thickness as per IS 1511:1979 (Reaffirmed 2012).

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13.3 Chemical analysis:

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

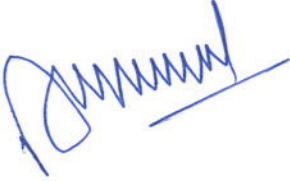



13.4 The following dimensions of chute for electric motor operated chaff cutter are not conforming to the recommendations of Dangerous Machine (Regulation) Rules, 2007 and needs to be looked into.

S. No.	Description	Observation	Remarks
i)	Provision for changing the angle of placement of trough shall be made.	Not provided	Does not conform
ii)	At the rear side of the trough a support shall be made.	Not provided	Does not conform

13.5 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-

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