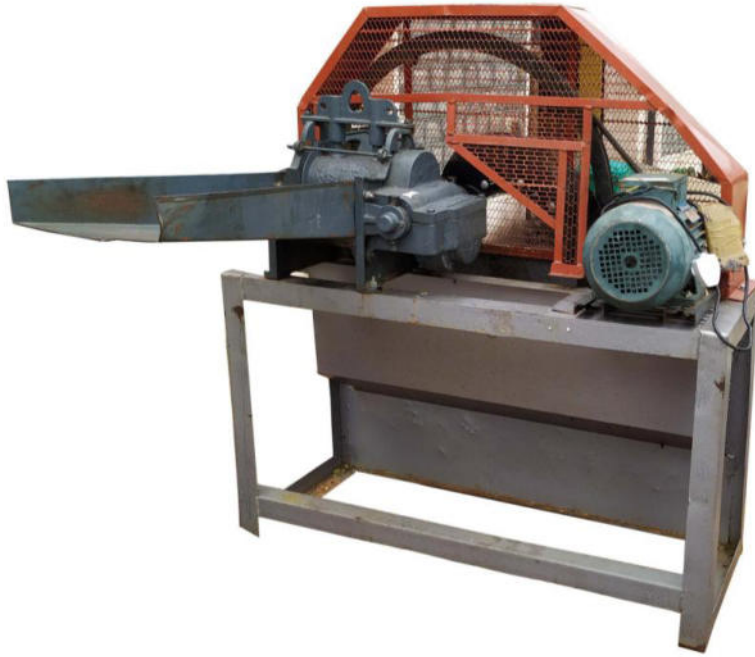


व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)  
COMMERCIAL TEST REPORT  
(INITIAL)

संख्या/No: Machine-386/1214  
माह/रुधMonth: October, 2020  
Validity: 30.09.2025



**SRI VENKATESHWARA ENGINEERING WORKS  
SVEW 2HP CC CHAFF CUTTER  
[Power Operated (Electric Motor)]**



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि, सहकारिता एवं किसान कल्याण विभाग

Department of Agriculture, Cooperation and Farmers Welfare

दक्षिणी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

Southern Region Farm Machinery Training and Testing Institute

ट्रैक्टर नगर, गार्लदिन्ने-515 721, जिला: अनंतपुर (आं. प्र.)

Tractor Nagar, Garladinne-515 721, District: Anantapur (A.P.)

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<b>Machine-386/1214</b>	<b>SRI VENKATESHWARA ENGINEERING WORKS SVEW 2HP CC CHAFF CUTTER [Power Operated (Electric Motor)]</b>	<b>COMMERCIAL (ICT)</b>
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Manufacturer : M/s. Sri Venkateshwara Engineering Works, Harihara Main Road, Gollarahalli, Honnali – 577 217, Davanagere (Dist.), Karnataka, **India.**

Applicant : The Manufacturer

**SRI VENKATESHWARA ENGINEERING WORKS SVEW 2HP CHAFF CUTTER [Power Operated (Electric Motor)]**

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#### 9.2.4 Ease of operation, adjustments and safety provisions: -

- The machine is easy for installation and operation.
- The adjustment of clearance between shear plate and rotating blade is easy to perform.
- The cutter head & main power transmission are guarded by providing safety covers.
- The feed rollers are provided with spring loaded arrangement.
- The Chaff Cutter is provided with side plates and top cover plates to protect the feed rollers.

#### 9.2.5 Wear analysis of blades :

Sl. No.	Initial mass(g)	Final mass(g)	Loss of mass (g)	Percentage of wear	Mass after 26.0 h of operation
1	880.2	877.9	2.3	0.26	0.010
2	884.2	883.3	0.9	0.10	0.004

### 10. EASE OF OPERATION & ADJUSTMENTS

No noticeable difficulty was observed during the operation and adjustment of the machine.

### 11. DEFECTS, BREAKDOWNS AND REPAIRS

No defects & breakdowns was observed during the entire test.

### 12. SUMMARY OF OBSERVATION, COMMENTS & RECOMMENDATIONS

- 12.1** Following modifications/improvements, being safety requirement, are required to be made to develop the chaff cutter as conforming to IS 15542:2005.
- 12.1.1 Cautionary notice as per IS 15542:2005 shall be written in vernacular language on a labeling plate.
- 12.1.2 Provision for flywheel lock pin need to be provided as safety aspect.
- 12.1.3 Manufacturer should also declare the rated input capacity of chaff cutter.
- 12.2** Blade should be marked with size code , Batch code and thickness as per IS 1511 :1979 (Reaffirmed 2012).
- 12.3** Except silicon remaining all constituents of blade are conforming the IS 1511:1979 (Reaffirmed 2012). This should be looked into for corrective action.

Machine-386/1214	SRI VENKATESHWARA ENGINEERING WORKS SVEW 2HP CC CHAFF CUTTER [Power Operated (Electric Motor)]	COMMERCIAL (ICT)
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12.4 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.


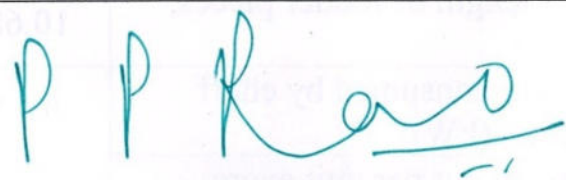
S. No.	Description	Observation	Remarks
i)	Provision for changing the angle of placement of trough shall be made.	Not provided	Does not conform
ii)	At the rear side of the trough a support shall be made.	Not provided	Does not conform
iii)	The trough on the shear plate side shall be covered up to a length of 450 mm min.	Not covered	Does not conform
iv)	The total length shall be min. of 900 mm.	620	Does not conform

12.5 The provided labeling plate should be as per the requirement IS.

12.6 **Adequacy of literature supplied with the machine:**

Operation, Service, Maintenance manual cum part catalogue of chaff cutter in English was provided in a single booklet form 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 personnel.

**TESTING AUTHORITY:**

B.N. DIXIT AGRICULTURAL ENGINEER	
Dr. P.P. RAO DIRECTOR	

**13. APPLICANT'S COMMENTS**

"As per your suggestion, we will make all possible necessary changes in our future products".