

THIS TEST REPORT IS VALID UP TO 31.12.2031



**LISHANTH SRAT LI-5.5 FEET STUBBLE SHAVER  
(Tractor Mounted)**



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.)

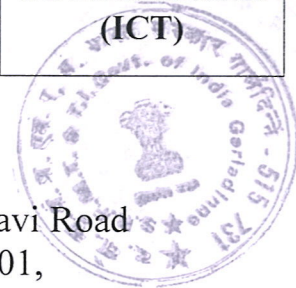
Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)

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IMP-434/1812	LISHANTH SRAT LI-5.5 FEET STUBBLE SHAVER (Tractor Mounted)	COMMERCIAL (ICT)
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Manufacturer : M/s. S.R. AGRO TECH,  
Sri Basaveshwara Badavane, Bellavi Road  
Bheemasandra Tumakuru – 572 101,  
Karnataka.

Applicant : The Manufacturer

## LISHANTH SRAT LI-5.5 FEET STUBBLE SHAVER

Report No.: IMP-434/1812

Month: January

Year: 2025




सत्यमेव जयते

**Government of India**  
**Ministry of Agriculture and Farmers Welfare**  
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	LISHANTH SRAT LI-5.5 FEET STUBBLE SHAVER (Tractor Mounted)	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.12.2031	

Type of test : COMMERCIAL (ICT)

Period of test : December, 2024 to January, 2025

Test Report No. : IMP-434/1812

Month / Year : January, 2025

- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- The data given in this report pertain to the particular machine randomly selected by testing authority through virtual mode.
- The results presented in this report do not, in anyway, attribute to the durability of the machine.
- This Test Report should not be reproduced in part or full without prior permission of the Director, Southern Region Farm Machinery Training & Testing Institute, Garladinne, Anantapur (A.P.).
- This is a report on commercial test of Stubble shaver named "**LISHANTH, SRAT LI-5.5 FEET STUBBLE SHAVER (Tractor Mounted)**". This report is valid up to **31.12.2031**, 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	<b>Force</b>	
	1 kgf	9.80665 N
		2.20462 lbf
2	<b>Power</b>	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 kW	1.35962 Ps
3	<b>Pressure</b>	
	1 psi	6.895 kPa
	1 kgf/cm <sup>2</sup>	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm <sup>2</sup>
	1 mm of Hg	1.3332 m-bar



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### 8.1.3 Labour requirement

- Two skilled labours are required for operating the machine continuously.

### 8.2 WEAR ANALYSIS OF CHAIN:

S. No.	Initial Mass (g)	Final Mass (g)	Loss of mass (g)	Percentage of Wear	
				After 26.0 h	Per hour
1	13550	13480	70	0.51	0.02

The hourly percentage wear of chain on mass basis was recorded as 0.02%.

## 9. EASE OF OPERATION & ADJUSTMENTS

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

## 10. DEFECTS, BREAKDOWNS AND REPAIRS

No noticeable defect occurred in the stubble shaver during the test.

## 11. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATION




- 11.1** The specification of implement hitch does not conform fully to the IS: 4468 (Pt-I)-1997. It is recommended that the same should be provided conforming to the relevant Indian Standards.
- 11.2** Dimensions of PIC of implement, in full, does not conform to IS: 4931-1995 and therefore, it should be looked into for corrective action.
- 11.3 Chemical Composition:**  
The Chemical Analysis of chain does not conform to the requirement of IS 6690:1981 (Reaffirmed 2022). This should be looked into for corrective action.
- 11.4 Marking /labeling:**  
The labeling plate does not reveal all the required information. It is therefore recommended that a suitable labeling plate covering all essential components, inter alia, the following must be provided:
- Size
  - Thickness
  - Batch code

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### 11.5 Adequacy of literature:

The Operating, Maintenance, Service manual and parts catalogue was supplied with the Paddy Stubble Slasher for reference during the testing in English. It is however, recommended that same may be revised as per IS: 8132- 1999.

### TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER
 Dr. B.M. NANDEDE DIRECTOR	



### 12. APPLICANT COMMENTS

S.No.	Reference No.	Applicant Comments
1	11.1	The specification of implement hitch will be modified at the time of production level as per the requirement of IS: 4468 (Part-I)-1997.
2	11.2	The dimension of PIC of implement will be modified to match the requirement of IS: 4931-1995.
3	11.3	The necessary change will be made in chemical composition of blade to meet the requirement
4	11.4	The necessary change will be made in labeling plate to meet the requirement of Indian Standard
5	11.5	The literature will be brought out as per IS: 8132-1999.