व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)

संख्या/No: ICE/SRFMTTI, ANANTAPUR/2025-26/04/04/1862

COMMERCIAL TEST REPORT (INITIAL)

माह/Month: April, 2025

THIS TEST REPORT IS VALID UP TO 31.03.2032



SHREE SHIVAM AGRO INDUSTRIES, FLYING FARMER -MTAW35 PADDY WEEDER



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]

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

E-mail: fmti-sr@nic.in

SHREE SHIVAM AGRO INDUSTRIES, FLYING FARMER -MTAW35 PADDY WEEDER

COMMERCIAL (ICT)

THIS TEST REPORT IS VALID UP TO

Manufacturer

31.03.2032 : M/s. Yancheng Mantianxing Agri Culture Equipment Co., Ltd 85 Fukang Road, Zhangzhuang Town Yandu District Yancheng

City Jiangsu Province, China

Applicant,

: M/s. Shree Shivam Agro Industries Near Punjab Natonal Bank Jaipatna, Kalahandi, Odisha Pin-766018.

SHREE SHIVAM AGRO INDUSTRIES, FLYING FARMER -MTAW35 PADDY WEEDER

Report no.: ICE/SRFMTTI, ANANTAPUR/2025-26/04/04/1862

Month: April Year: 2025



Government of India
Ministry of Agriculture and Farmers Welfare
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SHREE SHIVAM AGRO INDUSTRIES, FLYING FARMER -MTAW35 PADDY WEEDER

THIS TEST REPORT IS VALID UP TO 31.03.2032

COMMERCIAL (ICT)

Type of test

: COMMERCIAL (ICT)

Period of test

: March, 2025 to April, 2025

Test Report No.

ICE/SRFMTTI, ANANTAPUR/2025-26/04/04/1862

Month / Year of release

April, 2025

- i) The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- ii) The data given in this report pertain to the particular machine randomly selected by testing authority through virtual mode.
- iii) The results presented in this report do not, in any way, attribute to the durability of the machine.
- iv) 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.).
- v) This is a report on Commercial Test of Paddy Weeder named "SHREE SHIVAM AGRO INDUSTRIES, FLYING FARMER -MTAW35 PADDY WEEDER". This report is valid up to 31.03.2032, 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)				
	1	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	$100 \text{ kPa} = 10 \text{ N/cm}^2$				
	1 mm of Hg	1.3332 m-bar				

SOUTHERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE, ANANTAPUR, (A.P.)

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SHREE SHIVAM AGRO INDUSTRIES, FLYING FARMER -MTAW35 PADDY WEEDER

THIS TEST REPORT IS VALID UP TO 31.03.2032

COMMERCIAL (ICT)

14. COMMENTS & RECOMMENDATIONS

- The maximum power was observed as 1.32 kW under natural ambient condition against the declared value of 1.47 kW. The difference between declare value and observed value is too large to be accepted. It needs to be examined.
- 14.2 A fuel on/off knob may be considered for providing in the fuel system of engine.

14.3 Noise measurement:

Max. Noise at operator's ear level was observed as 92 dB (A), which is on higher side as per ILO. As the Sound Pressure level is directly influencing the Human/Operator's Health, Safety and Comfort; and therefore, suitable corrective action may be taken.

14.4 Mechanical vibration:

The amplitude of mechanical vibration on various assemblies of the Power weeder was observed to the extent of 185 micron, which is on higher side. In view of the above, this should be given top priority for corrective action.

14.5 Marking /labeling:

Only sticker is provided on machine. A metallic labeling plate of permanent nature should be provided on machine with following information:

- i) Manufacturer's Address
- ii) Country of origin
- iii) Year of manufacturing
- iv) Specific fuel consumption, (g/kWh)

14.6 Technical literature:

User's manual is provided during the test. However, the same must be brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the guidance of users.

SHREE SHIVAM AGRO INDUSTRIES, FLYING FARMER -MTAW35 PADDY WEEDER

THIS TEST REPORT IS VALID UP TO 31.03.2032

COMMERCIAL (ICT)

TESTING AUTHORITY

Er. PRAMOD YADAV AGRICULTURAL ENGINEER Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER

Dr. B.M. NANDEDE DIRECTOR

15. APPLICANTS COMMENTS

We will do needful action in future lots.

ANNEXURE-I

CONDITION OF FIELD AND WEEDS

Sl.	Parameters	Test trails					
No.	rarameters	I	II	III	IV	V	
1	Date of test	10.03.25	11.03.25	12.03.25	12.03.25	13.03.25	
2	Type of soil	Medium					
3	Type of crop Paddy						
4	Variety of crop	MANVI PAN 850					
5	Type of weeds	Torpedo Grass					
6	Hill to hill distance, cm	14.0	14.0	14.0	13.9	14.0	
7	Age in days after seeding	28	29	29	30	30	
8	Row to row spacing, (cm) 30						
9	Depth of standing water, (cm)	10.2	10.2	10.0	9.8	10.3	
10	Previous treatment NIL						
11	Plant / sq.m	g.m 28					
12	Height of weed, (cm)	9	8	12	12	10	
13	Height of crop, (cm)	28.6	30.9	30.0	30.3	29.3	

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