

व्यावसायिक परीक्षण रिपोर्ट(प्रारंभिक)

COMMERCIAL TEST REPORT (INITIAL)

संख्या/No: SPE/SRFMTTI,

ANANTAPUR/2025-26/06/06/1927

माह/Month: October, 2025

THIS TEST REPORT IS VALID UP TO 30.09.2032



SHRACHI, MS12 MANUAL SEEDER



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]

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Manufacturer, (apa) : SHRACHI AGRIMECH LIMITED  
Shrachi tower, 686, Anandapur EM By-  
Pass RB Connector, Kolkata, West Bengal-  
700107, India.

Applicant : The Manufacturer

### SHRACHI, MS12 MANUAL SEEDER

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**Government of India**  
**Ministry of Agriculture and Farmers Welfare**  
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**[An ISO 9001:2015 CERTIFIED INSTITUTE]**

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<b>SOUTHERN REGION FARM MACHINERY TRAINING &amp; TESTING INSTITUTE, ANANTAPUR(A.P.)</b>	<b>Page 2 of 22</b>
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	THIS TEST REPORT IS VALID UP TO 30.09.2032	

Type of test : COMMERCIAL (ICT)

Period of test : August, 2025 to September, 2025

Test Report No. : SPE/SRFMTTI, ANANTAPUR/2025-26/06/06/1927

Month / Year of release : October, 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 alone selected randomly for test by the testing authority at applicant's site.
- iii) The results presented in this report do not in any way attribute to the durability of the machine.
- iv) 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.).
- v) This is a report on commercial Test of Manually Seeder name “**SHRACHI, MS12 MANUAL SEEDER**”. 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

Sl. No	Units	Conversion Factor
<b>1</b>	<b>Force</b>	
	1 kgf	9.80665 N
		2.20462 lbf
<b>2</b>	<b>Power</b>	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 kW	1.35962 Ps
<b>3</b>	<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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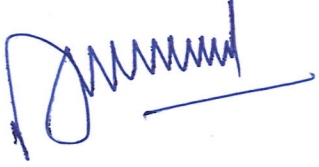
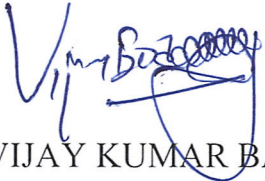

1	2	3	4
<b>CI 8</b>	<b>PERFORMANCE REQUIREMENTS</b>		
<b>CI 8.1</b>	The variation in dropping of seeding different seeding outlets shall be within $\pm 5$ percent from the average quantity obtained.	Nil	Conforms
<b>CI 8.2</b>	The percentage of visible damage to seed in the planter shall not exceed 0.5percent.	Nil to 0.04	Conforms
<b>CI 8.3</b>	The variation in dropping due to box filling at 1/4, 1/2 and 3/4 of rated capacity shall be within $\pm 5$ percent.	0.63 to 4.36	Conforms
<b>CI 8.4</b>	The planter shall be able to sow seed upto 100mm deep.	48.2 to 49.8	Conforms
<b>CI 12</b>	<b>Marking and Packing</b>		
<b>CI 12.1</b>	<b>Marking</b> Each drill shall be marked with the following particulars: a) Manufacturer's name and trade-mark, b) Model, code and serial number c) Type and size	<b>Type and size are not provided.</b>	<b>Does not conform</b>

## 10. COMMENTS & RECOMMENDATIONS

- 10.1** The variation in dropping of seed among different furrow openers was observed within the limit.
- 10.2** Furrow covering device with adjustable provision is provided to facilitate the sowing operation.
- 10.3 Field performance:**
- 10.3.1** The field efficiency was recorded as 78 to 82 %. Which was considered normal.
- 10.3.2** Average depth of sowing was recorded as 48.2 to 49.8 mm. Which was considered normal.
- 10.3.3** The average spacing between seeds was recorded as 130.0 to 154.2 mm. Which was considered normal.
- 10.4 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:  
I) Type  
II) Size
- 10.5 Technical Literature:**  
Operator's manual cum Spare parts catalogue of seeder in English were provided for reference during the test. However, this may be brought out in Hindi and other regional languages as per IS: 8132- 1999 (Reaffirmed 2004) for the sake of user & technical personnels.

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### TESTING AUTHORITY

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



### 11.APPLICANT'S COMMENTS

Sl. No.	Para No.	Comments
1	10.4	We will provide the Suitable name plate with all the details required as per IS standard.
2	10.5	We will Provide product literature which contains service manual, parts catalog in Hindi and other languages as per IS 8132:1999 (Reaffirmed 2004).