

THIS TEST REPORT IS VALID UPTO 31.01.2033



**JYOTHI DAVANGERE 16x48 MULTI CROP THRESHER  
(ENGINE 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.)

[ISO 9001:2015 COMPLIANT INSTITUTION]

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Tele.: 08551-286441

TH-48/1593	<b>JYOTHI DAVANGERE 16x48 MULTI CROP THRESHER (ENGINE OPERATED) ( COMMERCIAL 1<sup>st</sup> batch test)</b> <b>THIS TEST REPORT IS VALID UPTO 31.01.2033</b>
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Manufacturer : Jyothi Engineering Works,  
Plot No. 2 P, karur industrial Area,  
Opp. DC Office, Davangere,  
Karnataka-577 006.

Name of Applicant : The Manufacturer

**JYOTHI DAVANGERE 16x48 MULTI CROP THRESHER**

Report No. : **TH-48/1593**

Month: **February**

Year: **2024**



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(ENGINE OPERATED) ( COMMERCIAL 1<sup>st</sup> batch test)**

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Type of test : Commercial (1<sup>st</sup> batch )  
 Name of Machine : Multi Crop Thresher  
 Period of test : 04.02.2024 to 12.02.2024  
 Test Report No. : **TH-48/1593**  
 Month / Year : February, 2024

- i) The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- ii) The results presented in this report do not, in any way, attribute to the durability of the machine.
- iii) 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.).
- iv) This is the first batch test report and therefore, should be read in conjunction with the test report model i.e “**JYOTHI DAVANGERE 16x48 MULTI CROP THRESHER, (Engine Operated).**” which was tested under Initial commercial testing vide test report no.Th-28/578 released in January, 2016. **This report is valid up to 31.01.2033, 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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### **10. EASE OF OPERATION & ADJUSTMENTS**

No noticeable difficulty was observed during the operation and adjustment of Multi crop thresher.

### **11. DEFECTS, BREAKDOWNS AND REPAIR**

No major breakdowns were occurred during 25.0 hours of field operation.

### **12. COMMENTS & RECOMMENDATIONS**

**12.1** The specification of feeding hopper does not conform to IS: 9020-2002. This should be looked into.

#### **12.2 Adequacy of literature supplied with the machine:**

Parts catalogue of Thresher and engine was provided for reference during the testing, however, the same as well as a service manual, operation manual may be brought out as per IS: 8132- 1999.

### **13. APPLICANTS COMMENTS**

<b>Our reference</b>	<b>Applicant's Comments</b>
(1)	(2)
Page No.4	The suggestion is noted and the company will work on the same in seriously to bring the Safety Requirements of Power Threshers to meet the requirement of IS: 9020-2002.
12.1	The suggestion is noted and we will work seriously on the same to modify the hopper size, incorporate the star wheel and star wheel shaft, Cylinder size and material provide as per IS: 9020-2002.
12.2	The suggestion is noted and We will brought out literature as per IS: 8132-1999.

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**TESTING AUTHORITY**

Er. PRAMOD YADAV  
AGRICULTURAL ENGINEER

Er. D.C. MOULI  
AGRICULTURAL ENGINEER

Dr. B.M NANDEDE  
DIRECTOR

