

THIS TEST REPORT IS VALID UP TO 31.12.2033



**BILAL AGRO, BAEWDAVANGERE 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 (आ. प्र.)

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

[An ISO 9001:2015 CERTIFIED INSTITUTE]

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TH-51/1796	BILAL AGRO, BAEW DAVANGERE 16x48 MULTI CROP THRESHER (ENGINE OPERATED) THIS TEST REPORT IS VALID UPTO 31.12.2033	COMMERCIAL (1 st Batch)
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Manufacturer : M/s. Bilal Agro Engineering Works,
#204/3-13,14,15, Bilal Compound, Behind
Onion Market, P.B. Road, Davangere-577
002, Karnataka.

Name of Applicant : The Manufacturer

**BILAL, BAEW DAVANGERE 16x48 MULTI CROP THRESHER
(ENGINE OPERATED)**

Report No.: TH-51/1796

Month: January

Year: 2025



सत्यमेव जयते

TESTED BY

**Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture and Farmers Welfare
Southern Region Farm Machinery Training and Testing Institute
Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)
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TH-51/1796	BILAL AGRO, BAEW DAVANGERE 16x48 MULTI CROP THRESHER (ENGINE OPERATED)	COMMERCIAL (1st Batch)
	THIS TEST REPORT IS VALID UPTO 31.12.2033	

Type of test : COMMERCIAL (1st Batch)

Period of test : 02.12.2024 to 20.12.2024

Test Report No. : **TH-51/1796**

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 random selected by testing authority through virtual mode.
- The results presented in this report do not in any way 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 the first batch test report and therefore, should be read in conjunction with the test report of base model i.e. "BILAL AGRO BAEW DAVANGERE 16x48 MULTI CROP THRESHER (ENGINE OPERATED)" which was tested under Initial commercial testing vide test report no. **TH-33/844**, released in March, 2018. This report is valid up to **31.12.2033**, 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	Force	
	1 kgf	9.80665 N
		2.20462 lbf
2	Power	
	1 hp	1.01387 metric hp (Ps)
		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 kPa = 10 N/cm ²
	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 26.0 hours of field operation.

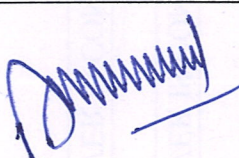
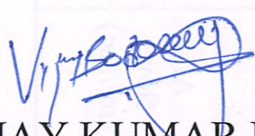
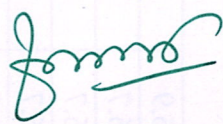
12. COMMENTS & RECOMMENDATIONS

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.

TESTING AUTHORITY

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



13. APPLICANTS COMMENTS

Sl. No.	Comments
1	The company will work on the same in seriously to bring the safety requirements of the power thresher to meet the requirement as per IS 9020-2002.
2	The company will work seriously on the same to modify the hopper size, incorporated the star wheel, star wheel shaft, cylinder size and material provide as per IS 9020-2002.
3	The suggestion is noted and we will be brought out literature as per IS 8132-1999.