

Aambal Coo 545-ROUND BALER

No: RME/FMTC, TRICHY/2025-26/04/14/111

Month: May, 2025

**INITIAL COMMERCIAL TEST REPORT**  
(THIS TEST REPORT VALID UP TO: 07/05/2032)



**Aambal Coo 545-ROUND BALER**



**FARM MACHINERY TESTING CENTRE**  
**DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING**  
**AGRICULTURAL ENGINEERING COLLEGE AND RESEARCH INSTITUTE**  
**TAMILNADU AGRICULTURAL UNIVERSITY**  
**KUMULUR – 621712, TRICHY DISTRICT, TAMILNADU, INDIA**

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**AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KUMULUR-621712**  
**TRICHY DISTRICT, TAMIL NADU.**





## Aambal Coo 545-ROUND BALER

Manufacturer

INITIAL : RN Tool and Machine,  
Aambal Coo 1, Kamarajar Nagar, Thirumbuvanam,  
Kumbakonam, Thanjavur District- 612  
103.

Telephone number

RME/FMTC : 9894482351

E-mail address

R. N. Tool : rntool2020@gmail.com

Applicant Address

INITIAL : RN Tool and Machine,  
1, Kamarajar nagar, Thirumbuvanam,  
Kumbakonam, Thanjavur District - 612  
103.

Telephone number

RME/FMTC : 9894482351

Email address

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Type of test	:	INITIAL COMMERCIAL TEST
Name of machine	:	Aambal Coo 545-ROUND BALER
Test Report No	:	RME/FMTC, TRICHY/2025-26/04/14/111
Test requested by	:	R. N. Tool and Machine 1, Kamarajar Nagar, Thirubhuvanam, Kumbakonam, Thanjavur District -612 103
Testing Authority	:	Farm Machinery Testing Centre Agricultural Engineering College and Research Institute Tamil Nadu Agricultural University Kumulur – 621712, Trichy District, Tamil Nadu, India
Period of Test	:	April 2025

- This Test Report should not be reproduced in part or full without prior permission of the Dean, Farm Machinery Testing Centre, Agricultural Engineering College & Research Institute, Kumulur- 621712
- The data given in the Test Report pertain to the particular machine submitted for test by the Applicant.
- The data collected during the test do not in any way attribute to the durability of the machine.
- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.

## SELECTED CONVERSION

S.No	Units	Conversion Factor	ABBREVIATIONS	
1.	Force		Full form	Symbols
	1 kgf	9.80665 N	As per applicant	apa
		2.20462 lb	Average	Av
2.	Power		Hectare	ha
	1 hp	1.01387 metric hp (Ps)	Rockwell Hardness	HRC
		745.7 W	Brinell Hardness	HB
	1 Ps	735.5 W	Diameter	Dia
	1 kW	1.35965 Ps	Indian Standard	IS
3.	Pressure		Mild Steel	MS
	1 psi	6.895 kPa	Not Applicable	N.A.
	1 kgf/cm <sup>2</sup>	98.067 kPa= 735.56 mm of Hg	Not Provided	N.P.
	1 bar	100 kPa= 10 N/cm <sup>2</sup>	Revolutions per minute	rpm
	1 mm of Hg	1.3332 m-bar	Power take-off	P.T.O.

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AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KUMULUR-621 712,  
TRICHY DISTRICT, TAMIL NADU.

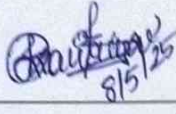




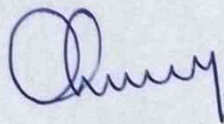
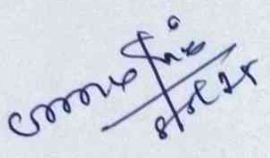
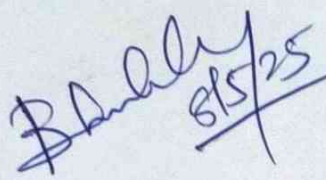
Aambal Co 545-ROUND BALER

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## TEST CONDUCTED BY

Er. V. Kavipriya Test Engineer	 8/5/25
Date of mailing to Director, SRFMTTI, Tractor Nagar, Garladinne, Anantapur, AP.	23.04.2025
REMARKS received if any	Nil

## TESTING AUTHORITY BY

Dr. R. Thiagarajan Principal Investigator (FMTC), Associate Professor & Head, Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 8/5/25
Dr. P. Kamaraj Co-Principal Investigator (FMTC), Associate Professor (Farm Machinery), Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 8/5/25
Dr. P. Dhananchezhian Co-Principal Investigator (FMTC), Assistant Professor (Farm Machinery), Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 8/5/25

(THIS TEST REPORT VALID UPTO: 07/05/2032)

  
Dr. P. RAJKUMAR  
Dean  
AEC & RI, Kumulur

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