

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)

COMMERCIAL TEST REPORT (ICT)

संख्या/No: TT/SRFMTTI,

ANANTAPUR/2025-26/11/11/1934

माह/Month: October, 2025

THIS TEST REPORT IS VALID UP TO 30.09.2032



BALAJI AGRO INDUSTRIES, BAI3TT TRACTOR TRAILER



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]

TT/SRFMTTI, ANANTAPUR/2025-26/ 11/11/1934	BALAJI AGRO INDUSTRIES, BAI3TT TRACTOR TRAILER THIS TEST REPORT IS VALID UPTO 30.09.2032	
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Manufacturer : M/s. Balaji Agro Industries
Ground Floor, Property No 2573, Gat No 288,
Keshnand Theur Road Pune, Maharashtra, 412307.

Applicant : The Manufacturer

BALAJI AGRO INDUSTRIES, BAI3TT TRACTOR TRAILER
Report No.: TT/SRFMTTI, ANANTAPUR/2025-26/11/11/1934
Month: October
Year: 2025

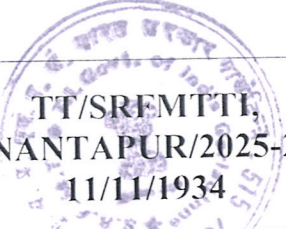


सत्यमेव जयते

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.)
[An ISO 9001:2015 CERTIFIED INSTITUTE]

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E-mail: fnti-sr@nic.in

 TT/SRFMTTI, ANANTAPUR/2025-26/ 11/11/1934	BALAJI AGRO INDUSTRIES, BAI3TT TRACTOR TRAILER THIS TEST REPORT IS VALID UPTO 30.09.2032	COMMERCIAL (ICT)
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Type of test : COMMERCIAL (ICT)

Period of test : September, 2025

Test Report No. : TT/SRFMTTI, ANANTAPUR/2025-26/11/11/1934

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 test sample was selected randomly through virtual mode by institute. The results presented in this report do not, in any way, attribute to the
- iii) 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 tractor trailer name "**BALAJI AGRO INDUSTRIES, BAI3TT TRACTOR TRAILER**". 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

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
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



TT/SRFMTTI, ANANTAPUR/2025-26/ 11/11/1934	BALAJI AGRO INDUSTRIES, BAI3TT TRACTOR TRAILER
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1	2	3	4	5
6	GVM (gross vehicle weight) or RLW (registered laden weight) as certified by the manufacturer	3855 kgs (GVM)	3860	Conforms
7	Number, description, size and ply rating of tyre as declared by the manufacturer	7.50-16, 16PR	7.50-16, 16PR	Conforms
8	Overall length, mm	2000 to 4100	3550	Conforms
9	Overall width, mm	900 (min) to be checked	1635	Conforms
10	Overall height, mm	600 (min)	1580	Conforms
11	Min, ground clearance, mm	300 (min)	360	Conforms
12	Marking /labeling of machine	The labeling plate should be riveted on the body of machine having name and address of manufacturer, country of origin, make, model, month & year of manufacturer, serial number, required size of prime mover (kW), weight (kg)	Country of origin is not provided	Does not conform

12. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATION

- 12.1** Lighting arrangement for trailer is not provided as per IS 8213:2000 (Reaffirmed 2020). This should be taken care for corrective action.
- 12.2** The dimensions of hydraulic tipping cylinder do not meet, in full, to the requirement of IS 12371:1988 (Reaffirmed 2019). This should be taken care for corrective action.
- 12.3** The dimensions of ring type hitch does not meet, in full, the requirement of IS 11270:1985 (Reaffirmed 2019). This should be taken care for corrective action.
- 12.4** The dimension of various components of axle assembly does not conform, in full, the requirement of IS 8213:2000 (Reaffirmed 2020). This should be taken care for corrective action.
- 12.5** The trailer **must be** provided spring suspension (As per IS 1135:2018) for recommended load carrying capacity. This should be take care for corrective action.

TT/SRFMTTI, ANANTAPUR/2025-26/ 11/11/1934	BALAJI AGRO INDUSTRIES, BAI3TT TRACTOR TRAILER THIS TEST REPORT IS VALID UPTO 30.09.2032	COMMERCIAL (ICT)
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12.6 Marking/labeling:

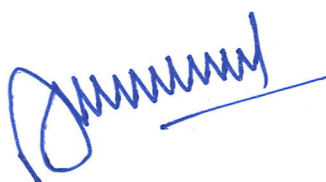
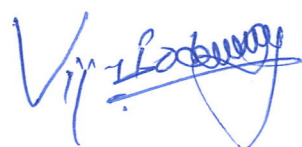


The labeling plate does not reveal all the required information. It is therefore recommended that a suitable labeling plate covering all essential components, inter alia, the following must be provided:

1) Country of origin

12.7 Adequacy of literature:

Service manual and parts catalogues of trailer were provided. Operation manual and parts catalogue should be brought out in Hindi and regional languages as per IS 8132:1999 (Reaffirmed 2004) for the sake of user & technical personnels.

TESTING AUTHORITY

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

13.APPLICANT'S COMMENTS

Sl. No.	Para No.	Comments
1	12.1	We will take corrective action on lighting arrangement in future production as per IS 8213:2000 (Reaffirmed 2020).
2	12.2	Necessary modifications will be carried out in upcoming lot as per IS 12371:1988 (Reaffirmed 2019).
3	12.3	The hitch will be redesigned to meet the dimensional requirements of IS 11270:1985 (Reaffirmed 2019).
4	12.4	We will do corrective action as per IS 8213:2000 (Reaffirmed 2020).
5	12.5	We will take corrective action on Spring suspension as per IS 1135:2018 for the recommended load capacity.

SOUTHERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE, ANANTAPUR (A.P.)	Page 27 of 27
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