

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)

COMMERCIAL TEST REPORT (ICT)

संख्या/No: TT/SRFMTTI,

ANANTAPUR/2025-26/20/20/1948

माह/Month: November, 2025

THIS TEST REPORT IS VALID UP TO 31.10.2032



**MAHABALI TRAILORS AND SHETI AUJARE, MAS 3 TNE
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.)

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Type of test : COMMERCIAL (ICT)

Period of test : November, 2025


Test Report No. : TT/SRFMTTI, ANANTAPUR/2025-26/20/20/1948

Month / Year of release : November, 2025

- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- 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 durability of the machine.
- 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.).
- This is a report on Commercial Test of tractor trailer name "MAHABALI TRAILORS AND SHETI AUJARE, MAS 3 TNE TRACTOR TRAILER". This report is valid up to 31.10.2032, 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
	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

 <p>IT/SR/MTTI, ANANTAPUR/2025-26/ 20/20/1948</p>	<p>MAHABALI TRAILORS AND SHETI AUJARE, MAS 3 TNE TRACTOR TRAILER</p> <p>THIS TEST REPORT IS VALID UPTO 31.10.2032</p>	<p>COMMERCIAL (ICT)</p>
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Type of test : COMMERCIAL (ICT)

Name of machine : Tractor Trailer

Make : Mahabali Trailors and Sheti Aujare

Model : MAS 3 TNE

Type, (apa) : Hydraulic & Tipping

Manufacturer : **Mahabali Trailors and Sheti Aujare,**
Girna Nagar, G No 12/1/2/3, Nandagaon,
Nashik, Maharashtra-423106.

Applicant : The Manufacturer



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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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 look into 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 look into 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 look into 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 look into 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 look into for corrective action.
- 12.6 Adequacy of literature:**
Operational manual, Service manuals and parts catalogues of trailer were provided in English. It is however, recommended that same may be revised in Hindi and regional languages as per IS 8132:1999 (Reaffirmed 2004) for the sake of user & technical personnel's.

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TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. Y.K.RAO SENIOR AGRICULTURAL ENGINEER
  Dr. P.P. RAO DIRECTOR	

13. APPLICANT COMMENTS

Reference No.	Applicant Comments
12.1	We will take corrective action to meet the requirement as per IS 8213:2000 (Reaffirmed 2020) in future production.
12.2	We will take corrective action to meet the requirement as per IS 12371:1988 (Reaffirmed 2019) in future production.
12.3	We will take corrective action to meet the requirement as per IS 11270:1985 (Reaffirmed 2019) in future production.
12.4	We will take corrective action to meet the requirement as per IS 8213:2000 (Reaffirmed 2020) in future production.
12.5	We will take corrective action to meet the requirement as per as per IS 1135:2018 in future production.
12.6	We will take corrective action to meet the requirement as per IS 8132:1999 (Reaffirmed 2004) in future production.