

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)

COMMERCIAL TEST REPORT (ICT)

संख्या/No: TT/SRFMTTI,  
ANANTAPUR/2025-26/18/18/1946  
माह/Month: November, 2025

THIS TEST REPORT IS VALID UP TO 31.10.2032



ISHWARSAI TRAILER, SAIRAM-5T 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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TT/SRFMTTI,  
ANANTAPUR/2025-26/  
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ISHWARSAI TRAILER, SAIRAM-5T  
TRACTOR TRAILER  
THIS TEST REPORT IS VALID UPTO  
31.10.2032

COMMERCIAL  
(ICT)

Manufacturer : Ishwarsai Hardware and Fabrication,  
At-Post- Anjani Bk Hivra Sa.Fata Tq-Mehkar Dist-  
Buldhana Maharashtra 443301.

Applicant : The Manufacturer

ISHWARSAI TRAILER, SAIRAM-5T TRACTOR TRAILER  
Report No.: TT/SRFMTTI, ANANTAPUR/2025-26/18/18/1946  
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Ministry of Agriculture and Farmers Welfare  
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TT/SRFMTTI,  
ANANTAPUR/2025-26/  
18/18/1946

**ISHWARSAI TRAILER, SAIRAM-5T  
TRACTOR TRAILER**  
**THIS TEST REPORT IS VALID UPTO  
31.10.2032**



Type of test : COMMERCIAL (ICT)

Period of test : November, 2025

Test Report No. : TT/SRFMTTI, ANANTAPUR/2025-26/18/18/1946

Month / Year of release : November, 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.
- iii) The results presented in this report do not, in any way, attribute to the 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 "**ISHWARSAI TRAILER, SAIRAM-5T 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	<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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ISHWARSAI TRAILER, SAIRAM-5T  
TRACTOR TRAILER  
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31.10.2032

COMMERCIAL  
(ICT)

Type of test : COMMERCIAL (ICT)  
Name of machine : Tractor Trailer  
Make : ISHWARSAI TRAILER  
Model : SAIRAM-5T  
Type, (apa) : 5 tonne trailers for all types of goods and agricultural transportation, rectangular shape and rear side tipping  
Manufacturer : **Ishwarsai Hardware and Fabrication,**  
At-Post- Anjani Bk Hivra Sa.Fata Tq-Mehkar Dist-  
Buldhana Maharashtra 443301.  
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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ISHWARSAI TRAILER, SAIRAM-ST  
TRACTOR TRAILER  
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COMMERCIAL  
(ICT)

## 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 looked 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 looked 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 looked into for corrective action.

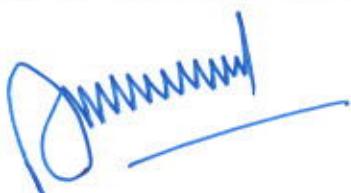
12.4 The dimension of various components of axle assembly does not conform, in full, the requirement of IS 8213:2000 (Reaffirmed 2020). This should be looked into for corrective action.

12.5 The trailer must be provided spring suspension (As per IS 1135:2018) for recommended load carrying capacity. This should be looked into for corrective action.

12.6 Slow moving emblem, T sign and Blow lamps should be provided on the trailer

12.7 **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.

## TESTING AUTHORITY



Er. PRAMOD YADAV  
AGRICULTURAL ENGINEER



Er. Y.K. RAO  
SENIOR AGRICULTURAL ENGINEER



Dr. P.P. RAO  
DIRECTOR