

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)

COMMERCIAL TEST REPORT (ICT)

संख्या/No: TT/SRFMTTI,

ANANTAPUR/2025-26/08/08/1907

माह/Month: August, 2025

THIS TEST REPORT IS VALID UP TO 31.07.2032



SRI MARUTHI TRAILORS, SMT-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

ट्रेक्टर नगर, गार्लदिन्ने - 515 731, जिला: अनंतपुर (आं. प्र.)

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

[An ISO 9001:2015 CERTIFIED INSTITUTE]

Website: <http://srfmtti.dacnet.nic.in/>

E-mail: fmti-sr@nic.in

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| TT/SRFMTTI, ANANTAPUR/2025-26/ 08/08/1907 | SRI MARUTHI TRAILORS, SMT-5T TRACTOR TRAILER THIS TEST REPORT IS VALID UPTO 31.07.2032 |  |
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Manufacturer : M/s. Sri Maruthi Trailors
 Bellary Road, Mailanahally Cross. Challakere
 577 522 Chitradurga Dist. Karnataka State.
 Applicant : The Manufacturer

SRI MARUTHI TRAILORS, SMT-5T TRACTOR TRAILER

Report No.: **TT/SRFMTTI, ANANTAPUR/2025-26/08/08/1907**

Month: **August**

Year: **2025**



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| | THIS TEST REPORT IS VALID UPTO 31.07.2032 | |

Type of test : COMMERCIAL (ICT)

Period of test : July, 2025 to August, 2025

Test Report No. : TT/SRFMTTI, ANANTAPUR/2025-26/08/08/1907

Month / Year of release : August, 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 "**SRI MARUTHI TRAILORS, SMT-5T TRACTOR TRAILER**". This report is valid up to **31.07.2032**, 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 |

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| 1 | 2 | 3 | 4 | 5 |
|----|--|--|---|-------------------------|
| 6 | GVM (gross vehicle weight) or RLW (registered laden weight) as certified by the manufacturer | 6880-kgs (GVM) | 6927 | Conforms |
| 7 | Number, description, size and ply rating of tyre as declared by the manufacturer | 9.00-200, 16 PR | 9.00-200, 16 PR | Conforms |
| 8 | Overall length, mm | 2000 to 4100 | 4345 | Does not conform |
| 9 | Overall width, mm | 900 (min) to be checked | 1985 | Conforms |
| 10 | Overall height, mm | 600 (min) | 1940 | Conforms |
| 11 | Min, ground clearance, mm | 300 (min) | 420 | 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) | Size, required size of Prime mover are 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.

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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 Marking /labeling:

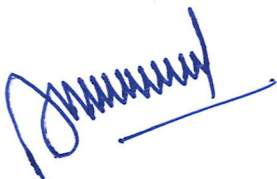


The labeling plate does not reveal all the required information. It is therefore recommended that a suitable labeling plate covering all essential components, interlaid, the following must be provided:

- i) Size
- ii) Required size of prime mover, (kW)

12.6 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 8213:2000 (Reaffirmed 2020) for the sake of user & technical personnels.

TESTING AUTHORITY

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



13.APPLICANT'S COMMENTS
-NIL-

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