

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)

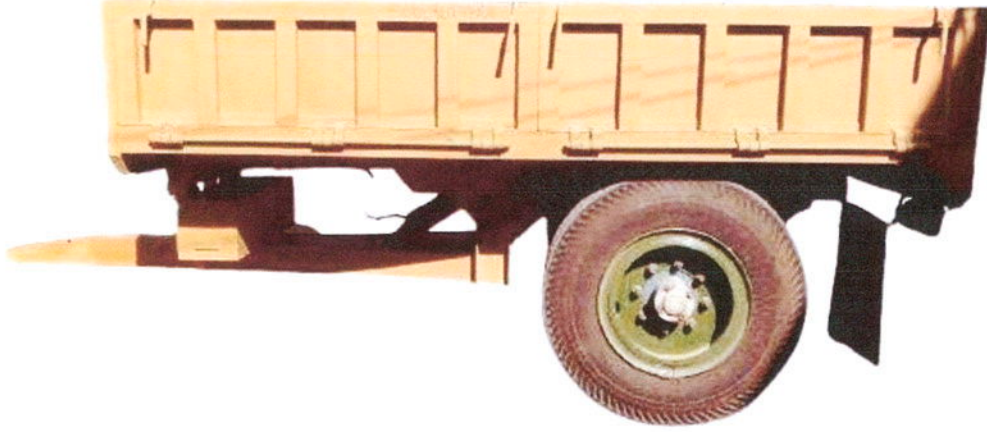
COMMERCIAL TEST REPORT (ICT)

संख्या/No: TT/SRFMTTI,

ANANTAPUR/2025-26/02/02/1861

माह/Month: April, 2024

THIS TEST REPORT IS VALID UP TO 31.03.2032



FARMAK, FM-TR 1056 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]

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TT/SRFMTTI, ANANTAPUR/2025-26/ 02/02/1861	FARMAK, FM-TR 1056 TRACTOR TRAILER THIS TEST REPORT IS VALID UPTO 31.03.2032	
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Manufacturer : M/s. V.R. Agro Equipments,
 # 7-299/A, Veera Reddy Building, Koilakuntla
 Road, Allagadda-518543, Kurnool Dist., Andhra
 Pradesh, India.
 Applicant : The Manufacturer

FARMAK, FM-TR 1056 TRACTOR TRAILER

Report No.: **TT/SRFMTTI, ANANTAPUR/2025-26/02/02/1861**

Month: **April**


Year: **2025**



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	THIS TEST REPORT IS VALID UPTO 31.03.2032	

Type of test : COMMERCIAL (ICT)

Period of test : March, 2025

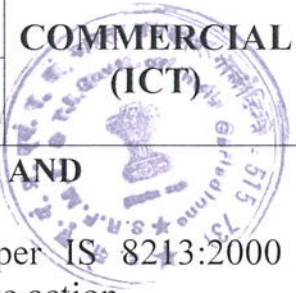
Test Report No. : **TT/SRFMTTI, ANANTAPUR/ 2025-26/02/02/1861**

Month / Year of release : April, 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 "**FARMAK, FM-TR 1056 TRACTOR TRAILER**". This report is valid up to --/--/----, **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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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 confirm, 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) Size of prime mover (kW)
 - iii) Weight (kg)
- 12.6 **Adequacy of literature:**
Service manual and parts catalogues of trailer were not 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 personnel.

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TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER
 Dr. B.M. NANDEDE DIRECTOR 	

13. APPLICANT COMMENTS

Sr. No.	Our Reference	Applicants Comment
13.1	12.1	Lighting Arrangement: Lighting will be provided as per IS 8213:2000 (Reaffirmed 2020). Corrective action is in progress.
13.2	12.2	Hydraulic Tipping Cylinder: Cylinder dimensions will be modified to meet IS 12371:1988 (Reaffirmed 2019).
13.3	12.3	Ring Type Hitch: Hitch dimensions will be corrected as per IS 11270:1985 (Reaffirmed 2019).
13.4	12.4	Axle Assembly: Axle components will be updated to meet IS 8213:2000 (Reaffirmed 2020).
13.5	12.5	Marking and Labeling: A revised nameplate will be added with size, prime mover power (kW), and weight (kg).
13.6	12.6	Manuals and Literature: Operation and parts manuals will be provided in Hindi and regional languages, as per IS 8213:2000 (Reaffirmed 2020).