

व्यावसायिक परीक्षण रिपोर्ट(प्रारंभिक)  
COMMERCIAL TEST REPORT(INITIAL)

संख्या/No: TT/SRFMTTI,  
ANANTAPUR/2025-26/05/1880  
माह/Month: June, 2025

THIS TEST REPORT IS VALID UP TO 31.05.2032



**PAGRO KRISHI, PKKT-5000 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]

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Manufacturer, (apa) : M/s. Pagro Krishi Kendra Plot No-10, Mandan Colony, Azad Nagar, Hisar, Haryana, 125001.

Applicant : M/s. Sajjan Jakhar Near Loharu Road, Siwani Mandi, Bhiwani -127046.

## PAGRO KRISHI, PKKT-5000 TRAILER

Report No.: TT/SRFMTTI, ANANTAPUR/2025-26/05/05/1880

Month: **June**

Year: **2025**



सत्यमेव जयते

**Government of India**  
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TT/SRFMTTI,  
ANANTAPUR/2025-26/  
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PAGRO KRISHI, PKKT-5000 TRAILER  
THIS TEST REPORT IS VALID UP TO  
31.05.2032

COMMERCIAL  
(ICT)

Type of test : COMMERCIAL (ICT)  
Period of test : May, 2025  
Test Report No. : TT/SRFMTTI, ANANTAPUR/2025-26/05/05/1880  
Month / Year of release : June, 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 "**PAGRO KRISHI, PKKT-5000 TRAILER**". This report is valid up to **31.05.2025**, 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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1	2	3	4	5
6	GVM (gross vehicle weight) or RLW (registered laden weight) as certified by the manufacturer	6600-kgs	6400	Conforms
7	Number, description, size and ply rating of tyre as declared by the manufacturer	Provided	Two ,10.00-20,16 PR	Conforms
8	Overall length, mm	2000 to 4100	4670	<b>Does not Conform</b>
9	Overall width, mm	900 (min) to be checked	2000	Conforms
10	Overall height, mm	600 (min)	1770	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)	Provided	Conforms

## 12. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATION




- 12.1** The specification of trailer does not conform, in full, to the IS 8213:2000 (Reaffirmed 2020). This should be looked into for corrective action.
- 12.2** Lighting arrangement for trailer is not provided as per IS 8213:2000 (Reaffirmed 2020). This should be taken care for corrective action.
- 12.3** 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.
- 12.4** 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.
- 12.5** 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.

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### 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 personnel.

### 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 look it, in our regular production as per IS 8213:2000.
2	12.2	We will provide the lighting arrangement as per IS 8213:2000 in the upcoming trolleys production.
3	12.3	The dimensions of hydraulic tipping cylinder will be take care in upcoming production as pe IS 12371:1988 (Reaffirmed 2019).
4	12.4	The dimension of ring type hitch will be take care in our regular production as pe IS 11270:1985.
5	12.5	The dimension of various components of axle assembly will be take care with discuss our R&D team in upcoming production.
6	12.6	The technical literature will be update in the Hindi & other reginal language of the country as per 8132:2000.