

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)

COMMERCIAL TEST REPORT (ICT)

संख्या/No: TT/SRFMTTI,

ANANTAPUR/2025-26/14/14/1939

माह/Month: November, 2025

THIS TEST REPORT IS VALID UP TO 31.10.2032



PAYAS, URS 5 TONNES 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/ 14/14/1939	PAYAS, URS 5 TONNES TRACTOR TRAILER THIS TEST REPORT IS VALID UPTO 31.10.2032	COMMERCIAL (ICT)
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Manufacturer : **Unitech Reclamation Services,**
 Plot No.29, Vardhana Industrial Estate,
 Mahalgaon, Tah-Kamptee, Nagpur,
 Maharashtra-441104.

Applicant : The Manufacturer.

PAYAS, URS 5 TONNES TRACTOR TRAILER

Report No.: **TT/SRFMTTI, ANANTAPUR/2025-26/14/14/1939**

Month: **November**

Year: **2025**



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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TT/SRFMTTI,
ANANTAPUR/2025-26/
14/14/1939

PAYAS, URS 5 TONNES
TRACTOR TRAILER
THIS TEST REPORT IS VALID
UPTO 31.10.2032

COMMERCIAL
(ICT)

Type of test : COMMERCIAL (ICT)
Period of test : October, 2025
Test Report No. : TT/SRFMTTI, ANANTAPUR/2025-26/14/14/1939
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 "**PAYAS, URS 5 TONNES 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

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Type of test : COMMERCIAL (ICT)

Name of machine : Tractor Trailer 5 Tonnes

Make : PAYAS

Model : URS 5 TONNES

Type, (apa) : 2 Wheel, Rear side, Hydraulic tipping.

Manufacturer : **Unitech Reclamation Services,**
Plot No.29, Vardhana Industrial Estate,
Mahalgaon, Tah-Kamptee, Nagpur,
Maharashtra-441104.

Applicant : The Manufacturer.



TESTED BY

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1	2	3	4	5
6	GVM (gross vehicle weight) or RLW (registered laden weight) as certified by the manufacturer	6525-kgs (GVM)	6525	Conforms
7	Number, description, size and ply rating of tyre as declared by the manufacturer	Provided	Provided (Two, 9.00-20, 16PR)	Conforms
8	Overall length, mm	2000 to 4100	4200	Does not conform
9	Overall width, mm	900 (min) to be checked	2000	Conforms
10	Overall height, mm	600 (min)	1940	Conforms
11	Min. ground clearance, mm	300 (min)	410	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 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 conform, in full, the requirement of IS 8213:2000 (Reaffirmed 2020). This should be taken care for corrective action.

TT/SRFMTTI,
ANANTAPUR/2025-26/
14/14/1939

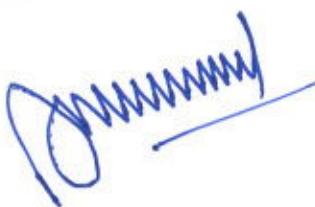
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(ICT)

12.5 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



Er. PRAMOD YADAV
AGRICULTURAL ENGINEER



Er. Y. K. RAO
SENIOR AGRICULTURAL ENGINEER



Dr. P.P. RAO
DIRECTOR



13. APPLICANT'S COMMENTS

Reference No.	Applicant Comments
12.1	We will take proper steps for Providing lighting arrangement as Per IS 8213-2000 (Reaffirmed 2020).
12.2	Diameter of hole in piston rod for attachment of cylinder assembly to vehicle is 33.5 mm and required is 37 mm. In future we will use hydraulic Cylinder with 37 mm hole. We will use Cylinder as per IS 12371:1988 (Reaffirmed 2019).
12.3	In future we will use ring type hitch as per IS 11270:1985 (Reaffirmed 2019).
12.4	In future axle assembly will be used as per IS 8213:2000 (Reaffirmed 2020) and all dimensions will be matched.