

THIS TEST REPORT IS VALID UP TO 29.02.2032



**PRAKASH ENGINEERING WORKS, PEW 3 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

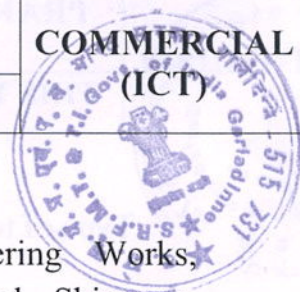
Southern Region Farm Machinery Training and Testing Institute

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

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

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T-161/1840	PRAKASH ENGINEERING WORKS, PEW 3 TONNES TRACTOR TRAILER	COMMERCIAL (ICT)
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Manufacturer : M/s. Prakash Engineering Works,
#01, Old Bustand Road, Shiggaon,
Shiggaon(Tq), Haveri Dist.,
Karnataka 581205.

Applicant : The Manufacturer

PRAKASH ENGINEERING WORKS, PEW 3 TONNE TRACTOR TRAILER

Report No.: T-161/1840

Month: March

Year: 2025



सत्यमेव जयते

Government of India
Ministry of Agriculture and Farmers Welfare
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SOUTHERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE,
ANANTAPUR (A.P.)

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**PRAKASH ENGINEERING WORKS, PEW 3
TONNES TRACTOR TRAILER**
THIS TEST REPORT IS VALID UPTO 29.02.2032

**COMMERCIAL
(ICT)**

Type of test : COMMERCIAL (ICT)

Period of test : February, 2025


Test Report No. : **T-161/1840**

Month / Year of release : March, 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 "**PRAKASH ENGINEERING WORKS, PEW 3 TONNES TRACTOR TRAILER**". This report is valid up to **29.02.2032**, 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	
7	Number, description, size and ply rating of tyre as declared by the manufacturer	Provided	Provided	Conforms	
8	Front axle	6.00x16, 6PR (min)/10.00x20,16 PR tube type	NA	-	
8	Overall length, mm	2000 to 4100	4150	Does not conform	
9	Overall width, mm	900 (min) to be checked	1980	Conforms	
10	Overall height, mm	600 (min)	1975	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, size, required size of prime mover (kW), weight (kg)	Provided except plate fixed with help of screw	Partially Conforms	

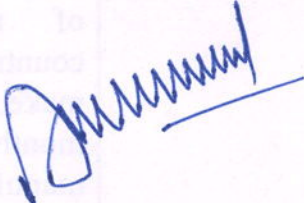


12. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATION

- 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.

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- 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.
- 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	
Dr. B.M. NANDEDE DIRECTOR	 

13.APPLICANT'S COMMENTS

-Nil-

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