

THIS TEST REPORT IS VALID UP TO 30.09.2031



SHANKAR AGRO INDUSTRY, SAI-5 TONNES TRAILER



सत्यमेव जयते

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

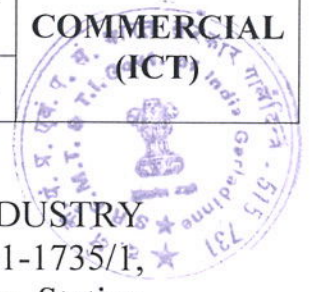
Southern Region Farm Machinery Training and Testing Institute

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

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

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T-157/1737	SHANKAR AGRO INDUSTRY, SAI-5 TONNES TRAILER	COMMERCIAL (ICT)
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Manufacturer : M/s. SHANKAR AGRO INDUSTRY
Ward No.19, CMC No.6-1-1735/I,
Shiva Jyoti Nagar, Railway Station
Road, Sindhur, Raichur Dist.,
Karnataka-584128.

Applicant : The Manufacturer

SHANKAR AGRO INDUSTRY, SAI-5 TONNES TRAILER

Report No.: T-157/1737

Month: October

Year: 2024

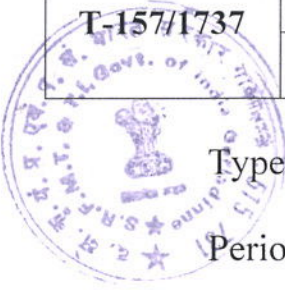


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	SHANKAR AGRO INDUSTRY, SAI-5 TONNES TRAILER	COMMERCIAL (ICT)
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Type of test : COMMERCIAL (ICT)

Period of test : September, 2024 to October, 2024

Test Report No. : T-157/1737

Month / Year of release : October, 2024

- i) The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- ii) The data given in this report pertain to the particular machine randomly selected by testing authority.
- iii) The results presented in this report do not, in anyway, attribute to the durability of the machine.
- iv) This Test Report should not be reproduced in part or full without prior permission of the Director, Southern Region Farm Machinery Training & Testing Institute, Garladinne, Anantapur (A.P.).
- v) This is a report on Commercial Test of Power Weeder named "SHANKAR AGRO INDUSTRY, SAI 5 TONNES TRAILER". This report is valid up to 30.09.2031, 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** 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 confirm, 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 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	
Dr. B.M. NANDEDE DIRECTOR	 

13. APPLICANT COMMENTS

Reference No.	Applicant comments
12.1	We will take corrective action to meet the requirement of IS: 8213:2000 (Reaffirmed 2020).
12.2	We will take corrective action to meet the requirement of IS: 8213:2000 (Reaffirmed 2020).
12.3	We will take corrective action to meet the requirement of IS: 12371:1988 (Reaffirmed 2019).
12.4	We will take corrective action to meet the requirement of IS: 11270:1985 (Reaffirmed 2019).
12.5	We will take corrective action to meet the requirement of IS: 8213:2000 (Reaffirmed 2020).
12.6	We will be brought out the all literatures as per IS 8132:1999 (Reaffirmed 2020).