

THIS TEST REPORT IS VALID UPTO 31.10.2030



NAWANDAR AGRO INDUSTRY SONA 3 TNE 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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Tele. 08551-286441

T-150/1570	NAWANDAR AGRO INDUSTRY SONA 3 TNE TRACTOR TRAILER
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Manufacturer : M/S. Nawandar Agro Industry
B-5/1, MIDC AMBAD, AMBAD, Nashik,
Maharashtra, 422010, India.

Applicant : The Manufacturer

**TRACTOR TRAILER
NAWANDAR AGRO INDUSTRY SONA 3 TNE**

Report No. : T-150/1570

Month: November

Year: 2023



सत्यमेव जयते

**Government of India
Ministry of Agriculture and Farmers Welfare
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T-150/1570	NAWANDAR AGRO INDUSTRY SONA 3 TNE TRACTOR TRAILER
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Type of test : INITIAL COMMERCIAL TEST

Period of test : 16.10.2023 to 07.11.2023

Test Report No. : T-150/1570

Month / Year of release : November, 2023

- 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 named "Nawandar Agro Industry SONA 3 TNE Tractor Trailer". This report is valid up to 31.10.2030, Vide Ministry's O.M. No. 13-24/2018-M&T (I&P) dated 19.09.2018.

SELECTED CONVERSIONS

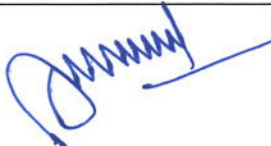


S. No	Units	Conversion Factor
1	Force	
	1 kgf	9.80665 N
		2.20462 lbf
2	Power	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 kW	1.35962 Ps
3	Pressure	
	1 psi	6.895 kPa
	1 kgf/cm ²	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm ²
	1 mm of Hg	1.3332 m-bar

T-150/1570	NAWANDAR AGRO INDUSTRY SONA 3 TNE TRACTOR TRAILER	COMMERCIAL (ICT)
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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.
- 12.7 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.

TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. D.C. MOULI AGRICULTURAL ENGINEER
 Dr. B.M. NANDEDE DIRECTOR	

13. APPLICANT'S COMMENTS

As per your recommendation and suggestions we shall take corrective and necessary action in future production.

