

THIS TEST REPORT IS VALID UPTO 30/11/2030



**BALWAN CHETHAK-5T 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

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

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T-152/1577	<b>BALWAN, CHETHAK-5T TRACTOR TRAILER</b>	<b>COMMERCIAL (ICT)</b>
	THIS TEST REPORT IS VALID UPTO 30/11/2030	

Manufacturer : M/S. Balwan Agro Industries, Hingoli-Washim  
Highway Road, GAT No.238, MIDC Area, Maouje  
Panchala, Washim, Maharashtra-444505

Applicant : The Manufacturer

## BALWAN CHETHAK-5T TRACTOR TRAILER

Report No. : T-152/1577

Month: December

Year: 2023



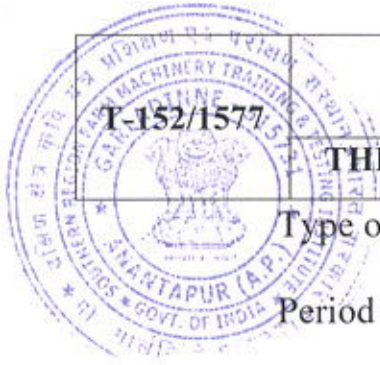
**Government of India**  
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**BALWAN, CHETHAK-5T  
TRACTOR TRAILER**

**COMMERCIAL  
(ICT)**

**T-152/1577**

**THIS TEST REPORT IS VALID UPTO 30/11/2030**

Type of test : INITIAL COMMERCIAL TEST

Period of test : 20.11.2023 to 01.12.2023

Test Report No. : **T-152/1577**

Month / Year of release : December, 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 the 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 "**BALWAN, CHETHAK-5T TRACTOR TRAILER**". This report is valid upto 30/11/2030, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023.

**SELECTED CONVERSIONS**

S. No	Units	Conversion Factor
<b>1</b>	<b>Force</b>	
	1 kgf	9.80665 N
		2.20462 lbf
<b>2</b>	<b>Power</b>	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 kW	1.35962 Ps
<b>3</b>	<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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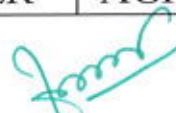
### 12. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATION

- 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. Operator 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.

### 13. Applicant comments

As per Recommendations and Suggestion We will Take Corrective Necessary Action For Future production"

### TESTING AUTHORITY

 <b>Er. PRAMOD YADAV</b> AGRICULTURAL ENGINEER	 <b>Er. D.C. MOULI</b> AGRICULTURAL ENGINEER
 <b>Dr. B.M. NANDEDE</b> DIRECTOR	

