

THIS TEST REPORT IS VALID UP TO 31.10.2031



**NBSU, HY07 TRACTOR 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.)

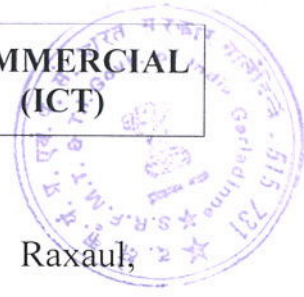
**Tractor Nagar, Garladinne- 515 731, District: Anantapur (A.P.)**

**[An ISO 9001:2015 CERTIFIED INSTITUTE]**

T-159/1764	<b>NBSU, HY07 TRACTOR TRAILER</b>	<b>COMMERCIAL (ICT)</b>
	<b>THIS TEST REPORT IS VALID UPTO 31.10.2031</b>	

Manufacturer : M/s. NEW BIHAR SELAR UDYOG  
Village – Shitalpur, Post-Jokiyari, P.S – Raxaul,  
East- Champaran, Bihar-845305

Applicant : The Manufacturer



## **NBSU, HY07 TRACTOR TRAILER**

Report No. : **T-159/1764**

Month: **November**

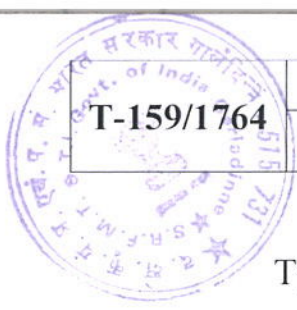
Year: **2024**



**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.)**  
**[An ISO 9001:2015 CERTIFIED INSTITUTE]**

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T-159/1764

**NBSU, HY07 TRACTOR TRAILER**  
**THIS TEST REPORT IS VALID UPTO 31.10.2031**

**COMMERCIAL**  
**(ICT)**

Type of test : COMMERCIAL (ICT)

Period of test : July, 2024

Test Report No. : T-159/1764

Month / Year of release : November, 2024

- 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 "NBSU, HY07 TRACTOR TRAILER". This report is valid up to 31.10.2031, 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	<b>Force</b>	
	1 kgf	9.80665 N
		2.20462 lbf
2	<b>Power</b>	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 kW	1.35962 Ps
3	<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 Marking /Labeling:**  
The labeling plate does not reveal all the required information. it is therefore recommended that a suitable labeling plate covering all essential components, inter alia, the following may be provided:
- i) Size
  - ii) Size of prime mover(kW)
  - iii) weight (kg)
- 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.

## TESTING AUTHORITY

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

## 13. APPLICANT COMMENTS

-Nil-