

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)  
COMMERCIAL TEST REPORT  
(INITIAL)

संख्या/No: T-66/1259  
माह/Month: March, 2021  
Validity: 28.02.2028



**NAVEEN AGRO AND ENGINEERING WORKS, NAEW 3 TNE  
THREE TONNE TRACTOR TRAILER**



भारत सरकार

**Government of India**

कृषि एवं किसान कल्याण मंत्रालय

**Ministry of Agriculture and Farmers Welfare**

कृषि, सहकारिता एवं किसान कल्याण विभाग

**Department of Agriculture, Cooperation 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]**

Website: <http://srfmtti.dacnet.nic.in/>

E-mail: [fmti-sr@nic.in](mailto:fmti-sr@nic.in)

Tele./FAX: 08551-286441

<b>T-66/1259</b>	<b>NAVEEN AGRO AND ENGINEERING WORKS, NAEW 3 TNE THREE TONNE TRACTOR TRAILER</b>	<b>COMMERCIAL (ICT)</b>
------------------	--------------------------------------------------------------------------------------	-----------------------------

Manufacturer : M/s. Naveen Agro and Engineering Works, C  
214, Industrial Estate, Gokul Road, Hubballi -  
580 030, Karnataka, India.

Applicant : The Manufacturer

**NAVEEN AGRO AND ENGINEERING WORKS, NAEW 3 TNE  
THREE TONNE TRACTOR TRAILER**

Report No. : T-66 / 1259

Month: March

Year: 2021



**Government of India  
Ministry of Agriculture and Farmers Welfare  
Department of Agriculture, Cooperation 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]**

Telephone: 08551-286441  
Website: <http://srfmtti.dacnet.nic.in/>

Fax: 08551-286441  
E-mail: [fmti-sr@nic.in](mailto:fmti-sr@nic.in)

<b>T-66/1259</b>	<b>NAVEEN AGRO AND ENGINEERING WORKS, NAEW 3 TNE THREE TONNE TRACTOR TRAILER</b>	<b>COMMERCIAL (ICT)</b>
------------------	--------------------------------------------------------------------------------------	-----------------------------

### **9. EASE OF OPERATION & ADJUSTMENTS**

No difficulty was observed during the operation and adjustment of Trailer.

### **10. DEFECTS, BREAKDOWNS AND REPAIRS**

No defect/breakdown and repair was occurred during entire period of testing.

### **11. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATION**

- 11.1 **The provided hitch (Ref. Fig.1, keys;5)on the trailer is fixed type, but this should be rotatable type and shock absorbing arrangement should be provided on it. This should be looked into for corrective action.**
- 11.2 To protect from mud and soil the rubber flaps are not provided at rear end of the wheels. This should be looked into for corrective action
- 11.3 Dimensional requirements of single axle (semitrailer) conform to IS 8213:2000.
- 11.4 Lighting arrangement except slow moving vehicle emblem of trailer is provided as per IS 8213:2000. This should be looked into for corrective action.
- 11.5 The specification of trailer does not conform in full, to the IS 8213:2000. This should be looked into for corrective action.
- 11.6 The dimension of hydraulic tipping cylinder does not meet, in full to the requirement of IS 12371:1988. This should be taken into for corrective action.
- 11.7 The dimensions of ring type hitch does not meet, in full, the requirement of IS 11270:1980 (Reaffirmed 1999). This should be taken into for corrective action.
- 11.8 The dimensions of various components of axle assembly do not conform, in full, the requirement of IS 8213:2000. This should be taken into for corrective action.
- 11.9 Provided labeling plate should be as per the requirement of IS. The provided literature are not found adequate




T-66/1259	NAVEEN AGRO AND ENGINEERING WORKS, NAEW 3 TNE THREE TONNE TRACTOR TRAILER	COMMERCIAL (ICT)
-----------	------------------------------------------------------------------------------	---------------------

#### 11.10 Adequacy of literature:

The provided literatures are not found adequate. Operation manual, Service manual, maintenance manual and parts catalogue of trailer in English are required to provide for easy use of users in separate booklets. However, this may be brought out in Hindi and other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the sake of user & technical personnel in booklets form with specially inclusion of

- Safety details
- Safe operating speed
- Recommendation of load for haulage test etc.

#### TESTING AUTHORITY:

D.C. MOULI AGRICULTURAL ENGINEER	
P.C. MESHARAM SENIOR AGRICULTURAL ENGINEER	
Dr. P.P. RAO DIRECTOR	

#### 12. APPLICANT's COMMENTS

Para No.	Our reference	Applicant's comments
12.1	11.1	In our region this type of hitches will be preferred, as per the customer requirement we have made this design. Anyway, as per your design we will make possible necessary changes in future production
12.2	11.2	We will provide in future production level
12.3	11.4	We will take corrective action
12.4	11.5	We will modify the specifications as per your suggestions and as per IS requirement
12.5	11.6	We will take corrective action
12.6	11.7	We will make possible necessary action
12.7	11.8	We will search for the possibilities for making the axle as per your suggestions
12.8	11.9	Will work on it to modify the labeling plate.
12.9	11.10	We will prepare the literature as IS