

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

संख्या/No: T-57/1145  
माह/Month: April, 2020  
Validity: 31.03.2027



**BHARAT METAL INDUSTRIES BMI 6 TT  
SIX 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.)**

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<b>T-57/1145</b>	<b>BHARAT METAL INDUSTRIES BMI 6 TT SIX TONNE TRACTOR TRAILER</b>	<b>COMMERCIAL (ICT)</b>
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Manufacturer : M/s. Bharat Metal Industries,  
Opp. KSRTC-Depot., Gokul Road,  
Hubli-580 030, Karnataka, **India.**

Applicant : The Manufacturer

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### **6. HAULAGE PERFORMANCE TEST**

Type of trailer	:	Two wheel
Date of test	:	21.04.2020 to 22.04.2020
Type of track	:	Tar macadam, level
Mass of trailer, (tones)	:	2.650
Gross mass of trailer, (tones)	:	8.650
Height of trailer hitch above ground level, (mm)	:	700
Gear used during test	:	H3
Average travel speed, (kmph)	:	27.05 to 27.29
<b>Average fuel consumption:</b>		
- (l/h)	:	5.25 to 5.38
- (cc/km/ton)	:	32.05 to 32.87
Average distance traveled per liter of fuel consumed,(km)	:	5.07 to 5.20
<b>General observations:</b>		
Maneuverability of Tractor-trailer Combination	:	Satisfactory

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

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

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

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

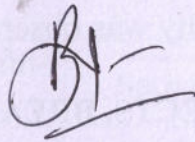

### **9. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATION**

- 9.1 The provided hitch on the trailer is rotatable type, but there is no shock absorbing arrangement provided in it. This should be looked into for corrective action.
- 9.2 To protect from mud and soil the rubber flaps are provided at rear end of the wheels.
- 9.3 Dimensional requirements of double axle (balanced trailer) conforms to IS 8213:2000.
- 9.4 Lighting arrangement except slow moving vehicle emblem of trailer is provided as per IS 8213:2000. This should be looked into for corrective action.

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- 9.5 The specification of trailer does not conform in full, to the IS 8213:2000. This should be looked into for corrective action.
- 9.6 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.
- 9.7 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.
- 9.8 The provided labeling plate should be as per the requirement of IS.
- 9.9 **Adequacy of literature:**  
Operation manual, Service manual, and parts catalogue of trailer in English was provided in single booklet form for reference during the test. 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.

**TESTING AUTHORITY:**

B.N. DIXIT AGRICULTURAL ENGINEER	
Dr. P.P. RAO DIRECTOR	

**10. APPLICANT'S COMMENTS**

"We will consider all your suggestions and implement them as per the possibility in our future products".