

**BUREAU OF INDIAN STANDARDS**

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**भारतीय मानक मसौदा**

**कृषि एवं वानिकी ट्रैक्टरों की लेबलिंग - दिशानिर्देश**

**(आइ एस 10273 का दूसरा पुनरीक्षण )**

*Draft Indian Standard*

**LABELLING OF AGRICULTURAL & FORESTRY TRACTORS — GUIDELINES**

*(Second Revision of IS 10273)*

**ICS 65.040.10**

Agricultural Machinery and Equipment  
Sectional Committee, FAD 11

Last date for Comments: **27 October  
2025**

**FOREWORD**

*(Formal clause will be added later)*

Earlier, the power of an agricultural tractor was declared by different manufactures in a different manner. Mostly, the engine power was declared with SAE or DIN rating. Though the engine is the source of power in a tractor but the user utilizes the power through its various outlets, such as power take-off (PTO), drawbar and belt pulley.

With a view to ensuring uniform practice for declaration of power of an agricultural tractor, this standard was first published in 1982. Subsequently the standard was revised in 1987, wherein provision was made for declaration of only power take-off (PTO) power along with specific fuel consumption.

The second revision of the standard incorporates the following modifications:

- a) The scope of the standard has been widened to include forestry tractors as well and the title of the standard has been modified accordingly.
- b) Requirement for location of labelling plate has been modified.
- c) Requirement of mentioning month of manufacture of tractor along with year in labelling plate has been provided.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Draft Indian Standard*

**LABELLING OF AGRICULTURAL & FORESTRY TRACTORS — GUIDELINES**

*(Second Revision of IS 10273)*

**1 SCOPE**

This standard covers guidelines for declaration of power, specific fuel consumption, specific current drawn and labelling of agricultural and forestry tractors fitted with diesel engine.

**2 DECLARATION OF POWER AND SPECIFIC FUEL CONSUMPTION**

**2.1** The power declared by the manufacturer shall be the value obtained at the power take off of the tractor after conducting the maximum power test as per IS 12036.

**2.1.1** The unit of power shall be kW (kilowatts). The addition of the equivalent metric horsepower (hp) in parentheses is permitted.

**2.1.2** The declared power shall be the value rounded off to the nearest first decimal place with the fineness of 0.5.

**2.2** The specific fuel consumption corresponding to the maximum PTO power shall be declared by the manufacturer.

**2.2.1** The unit of specific fuel consumption shall be g/kWh. The addition of the equivalent g/hph in parentheses is permitted.

**2.2.2** The declared specific fuel consumption shall be the value rounded off to the nearest first decimal place with the fineness of 0.5.

**3 LABELLING**

**3.1** The labelling plate shall be of adequate size and thickness. It must be placed in a clearly visible and accessible position by a method such as riveting or hammering or stamping, in such a way that it cannot be obliterated or deteriorate.

The location of the labelling plate shall be on the permanent structural member preferably on the left-hand side, such as bonnet/ bonnet scuttle assembly/fuel tank cover/mudguard (on outside), Engine support frame and front axle support etc., when viewed from the operator's seat of the agricultural tractor.

**3.2** Amongst other details, the name plate shall Include the following prominently.

Name of manufacturer and trade-mark, If any		
Make	Model	Month and Year <sup>1</sup>
Engine serial number		Chassis serial number
Maximum PTO power <sup>2</sup> kW (hp)		Specific fuel consumption <sup>3</sup> g/kWh (g/hph)
Additional information (if any)		
<sup>1</sup> Coded form and/or Digit form. Digit 01-12 for MM will represent the month of manufacturing and next two digit for YY will represent the year of manufacturing.		
<sup>2</sup> In accordance with <b>2.1</b>		
<sup>3</sup> In accordance with <b>2.2</b>		

**3.3** The writing/punching on the labelling plate shall be legible. The size of letters and figures on the labelling plate shall not be less than 5 mm.