

**(PREVIEW)**  
***Indian Standard***  
**SPECIFICATION FOR**  
**PEDAL-OPERATED PADDY THRESHERS**

**FOREWORD**

**0.1** This Indian Standard ( First Revision) was adopted by the Indian Standards Institution on 28 June 1982, after the draft finalized by the Harvesting and Threshing Equipment Sectional Committee had been approved by the Agricultural and Food Products Division Council.

**0.2** Conventional practice for threshing paddy is trampling with a team of bullocks on a specially prepared threshing floor or by beating the bundles of paddy sheaves. However, the pedal-operated paddy threshers are also now being used to some extent for this purpose.

**0.3** The paddy thresher of the pedal-operated type consists mainly of a well-balanced cylinder with series of threshing teeth fixed on slats and it is worked by a pedal and gear drive mechanism. While the cylinder is kept in rotary motion at high speed, the paddy sheaves in bundles of suitable size are held in contact with the teeth. The grains are separated by the combing as well as by the beating action of the threshing teeth. The thresher with a smaller cylinder is operated by one person and the one with a larger cylinder is operated by two persons. In the unit operated by two persons, the driving mechanism is fitted at both the ends of the cylinder.

**0.4** This standard covering the requirement of pedal-operated paddy thresher was first published in 1965. Since then considerable development has taken place in design of this type of threshers. A need was felt to revise this standard to make it up to date for better implementability.

**0.5** 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 : 2-1960\*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

**1. SCOPE**

**1.1** This standard prescribes the material, dimensional and other requirements for the pedal-operated paddy thresher.