



**INDIAN INSTITUTE OF TECHNOLOGY BOMBAY  
MATERIALS MANAGEMENT DIVISION  
Powai, Mumbai 400076.**

**PR No. 1000028925 (Rfx No. 6100001260)**

**Detailed Technical Specifications for Micro Deval Apparatus:**

The Micro-Deval test measures abrasion resistance and durability of mineral aggregates. The instrument should come with required capacity jar (in required number) for testing purpose, along with abrasive charges of sufficient quantity.

Specifications

Standard Conformation	ASTM D6928, ASTM D7428, AASHTO T327, TEXAS 845-49-40, ONTARIO LS-618
Abrasive Charge	Stainless Steel Balls- 9.5 mm dia weighing not less than 5500 grams
Mineral Aggregate Placement Container	Stainless Steel Jar-5 litres-194mm Internal Diameter and a 170mm internal height with locking cover
Jar Rotation	100 rpm for two hrs
Jar Stoppage	Immediate after test termination
Power Input	3/4 HP electric motor through gear transmission and chain drive
Equipment Enclosure	Sturdy steel frame with polycarbonate doors equipped with safety interlocks, so no moving parts are exposed during operation.
Warranty	One year from date of installation and commissioning of the equipment