



National Testing House (NR), Ghaziabad set to unveil the State-of-the-Art Shoe Testing Laboratory, Strengthening India's Manufacturing and Quality Infrastructure

Advanced facility to support MSMEs, exporters and manufacturers with reliable, affordable and high-precision footwear testing services

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The National Test House (NTH), Northern Region, Ghaziabad, under the Department of Consumer Affairs, Government of India, has established a state-of-the-art Shoe Testing Laboratory, significantly enhancing its capability to provide comprehensive, reliable and high precision footwear testing services for MSMEs, manufacturers, exporters, consumers and regulatory authorities across the country.

The establishment of this advanced facility will mark an important step towards **strengthening India's quality assurance infrastructure** for the rapidly growing footwear sector and reinforcing India's **manufacturing competitiveness**.

Footwear forms an essential part of everyday life, and consumers increasingly expect products that are durable, comfortable, safe, and suitable for long hours of use and varying environmental conditions. Ensuring such quality requires rigorous testing and evaluation to verify **parameters** such as slip resistance, durability, material strength, and the absence of harmful chemicals and dyes.

NTH Ghaziabad's upgraded Shoe Testing Laboratory is equipped with modern testing instruments and advanced infrastructure to evaluate a **wide range of footwear products** in accordance with relevant Indian Standards (IS). The laboratory is capable of conducting quality testing for diverse categories of footwear, including:

- Safety and industrial shoes
- School and leather footwear
- PVC footwear
- Sandals and chappals
- Children's footwear
- Sports footwear
- Specialized protective boots for industrial and hazardous environments

The laboratory will undertake a comprehensive range of critical performance and quality tests to ensure high standards of safety, durability, comfort, and performance. The facility has been designed to provide accurate, dependable, and timely testing services at comparatively affordable testing charges, thereby **making quality assessment more accessible**, particularly **for MSMEs and small-scale manufacturers**.

Strategically located in Ghaziabad near major footwear manufacturing clusters such as Delhi-NCR, Kanpur, and Agra, the laboratory will facilitate faster sample testing, reduce logistics costs, and improve **ease of access for the footwear industry** in northern India.

The establishment of the Shoe Testing Laboratory represents a significant strategic initiative towards supporting India's expanding footwear manufacturing ecosystem and strengthening the national quality infrastructure. The facility will assist manufacturers in meeting stringent domestic and international quality requirements, thereby enhancing product reliability, consumer safety, export competitiveness, and market acceptance.

The laboratory will play an important role in **facilitating quality compliance and improving the global competitiveness** of Indian footwear products by supporting adherence to stringent domestic and international standards.

Key Highlights of the Facility

- State-of-the-art footwear testing infrastructure established at NTH (NR), Ghaziabad • Comprehensive testing capabilities for multiple categories of footwear • Testing as per relevant Indian Standards (IS)
- Support for MSMEs, exporters, manufacturers, and regulatory agencies • Faster turnaround time due to proximity to major footwear manufacturing hubs • Affordable and accessible testing services for industry stakeholders • Enhanced support for quality compliance and export readiness
- Contribution towards strengthening India's national quality infrastructure

By strengthening testing and certification infrastructure, the initiative is expected to contribute towards enhancing consumer confidence, improving product quality and supporting India's vision of becoming a global manufacturing hub for quality products.

This initiative aligns closely with the vision of “**Viksit Bharat**” and the objectives of the “**Make in India**” mission by strengthening manufacturing competitiveness, promoting self-reliance, and fostering a robust quality assurance ecosystem for the Indian footwear industry.

Glimpses of Advanced Footwear Testing Equipment at NTH (NR), Ghaziabad Shoe Testing Laboratory



Bally Water Penetration Tester Bata Belt Flex Tester



Fibre Board Flex Tester



DIN Abrasion Tester

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