

# Technical Textiles in India – Market Size & Forecast Analysis

## 1. Executive Summary

India's Technical Textiles sector is a rapidly growing industry driven by policy support, industrial innovation, and increased domestic demand. As of 2023, the market is estimated at ₹1,66,155 Cr (~USD 20 B), based on validated production data from 2021–22. By mid-2025, the market is projected to reach ₹2,13,367 Cr. Over the next five years (2026–2030), the sector is expected to expand at a CAGR between 6.8% and 11%, reaching nearly ₹3,43,627 Cr by 2030. This growth is fueled by the National Technical Textiles Mission (NTTM), export demand, and sector-specific investments.

## 2. Methodology

- The analysis is based on 2021–22 segment-wise production data from the KPMG 'India 2047' Vision report, supported by Ministry of Textiles (MoT).
- CAGR values (6.8%–11%) are applied to each segment based on Fibre2Fashion, Technotex, and global benchmarks.
- Market sizes for 2023 and mid-2025 were derived using CAGR-based compounding:  
Formula:  $\text{Value}_t = \text{Base} \times (1 + \text{CAGR})^{\text{Years}}$
- Future forecasts (2026–2030) were projected using the same model.
- Analysis was performed in Python and data visualized in Tableau-compatible Excel format.

## 3. Key Assumptions

- CAGR for each segment was chosen based on historical export trends and MoT's future growth targets.
- No sudden disruptions or policy reversals are assumed in the model.
- Data gaps between FY2022 and FY2023 were bridged using CAGR smoothing.
- Inflation and currency volatility are excluded from the projection.
- Today's market size (mid-2025) is estimated with 2.5 years of CAGR from 2023 baseline.

## 4. Data Sources & References

- KPMG India 2047 – Strategic Vision Report:

<https://assets.kpmg.com/content/dam/kpmgsites/in/pdf/2023/03/india-2047-vision-and-strategic-roadmap-for-technical-textiles.pdf>

- Fibre2Fashion Market Reports (CAGR, Export Trends):

<https://www.fibre2fashion.com/industry-article/9660/india-in-global-technical-textiles-value-chain-a-market-overview>

- Technotex & FICCI Growth Insights:

<https://assets.kpmg.com/content/dam/kpmg/in/pdf/2021/03/technotex-2021-thought-leadership-kpmg-and-ficci.pdf>

- National Technical Textiles Mission (NTTM):

<https://technicaltextile.gov.in>

## 5. Market Forecast Summary (₹ Cr)

Year-wise Total Market Size:

2023 – ₹1,66,155 Cr

Mid-2025 – ₹2,13,367 Cr (today's estimate)

2026 – ₹2,34,703 Cr

2027 – ₹2,58,173 Cr

2028 – ₹2,83,990 Cr

2029 – ₹3,12,389 Cr

2030 – ₹3,43,627 Cr

## 6. Conclusion

India's technical textiles sector holds massive untapped potential across Meditech, Packtech, and Protech. With correct policy execution, innovation support, and global integration, the market could surpass current projections. Stakeholders across agriculture, defense, construction, and healthcare stand to benefit from sustained momentum in this high-impact industry.