

ZnO Nanoparticles Market in India - Manufacturing and Consumption, Outlook and Forecast 2020-2026

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Abstracts

Zinc oxide nanoparticles are nanoparticles of zinc oxide (ZnO) that have diameters less than 100 nanometers. They have a large surface area relative to their size and high catalytic activity. The exact physical and chemical properties of zinc oxide nanoparticles depend on the different ways they are synthesized. Some possible ways to produce ZnO nano-particles are laser ablation, hydrothermal methods, electrochemical depositions, sol-gel method, chemical vapor deposition, thermal decomposition, combustion methods, ultrasound, microwave-assisted combustion method, two-step mechanochemical-thermal synthesis, anodization, co-precipitation, electrophoretic deposition, and precipitation processes using solution concentration, pH, and washing medium. ZnO is a wide-bandgap semiconductor with an energy gap of 3.37 eV at room temperature.

This report contains market size and forecasts of ZnO Nanoparticles in India, including the following market information:

India ZnO Nanoparticles Market Revenue, 2015-2020, 2021-2026, (\$ millions)

India ZnO Nanoparticles Market Consumption, 2015-2020, 2021-2026, (MT)

India ZnO Nanoparticles Production Capacity, 2015-2020, 2021-2026, (MT)

Top Five Competitors in India ZnO Nanoparticles Market 2019 (%)

The global ZnO Nanoparticles market was valued at 309.2 million in 2019 and is projected to reach US\$ 345.3 million by 2026, at a CAGR of 2.8% during the forecast period. While the ZnO Nanoparticles market size in India was US\$ XX million in 2019, and it is expected to reach US\$ XX million by the end of 2026, with a CAGR of XX% during 2020-2026.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the ZnO Nanoparticles manufacturers, suppliers, distributors and industry experts on the impacts of the

COVID-19 pandemic on businesses, with top challenges including ingredients and raw material delays, component and packaging shortages, reduced/cancelled orders from clients and consumers, and closures of production lines in some impacted areas.

This report also analyses and evaluates the COVID-19 impact on ZnO Nanoparticles production and consumption in India

Total Market by Segment:

India ZnO Nanoparticles Market, By Type, 2015-2020, 2021-2026 (\$ millions) & (MT)
India ZnO Nanoparticles Market Segment Percentages, By Type, 2019 (%)

Particle Size 60nm

Particle size ≥ 60 nm is the most used size in 2019, with over 46% market share.

India ZnO Nanoparticles Market, By Application, 2015-2020, 2021-2026 (\$ millions) & (MT)

India ZnO Nanoparticles Market Segment Percentages, By Application, 2019 (%)

Rubber

Cosmetic

Coating

Textile

Others

As for downstream industry, rubber is the largest field with the percentage of 34.04% market share in 2018. The following is coating, accounting for 23.90% market share in 2019.

Competitor Analysis

The report also provides analysis of leading market participants including:

Total ZnO Nanoparticles Market Competitors Revenues in India, by Players 2015-2020 (Estimated), (\$ millions)

Total ZnO Nanoparticles Market Competitors Revenues Share in India, by Players 2019 (%)

Total India ZnO Nanoparticles Market Competitors Sales, by Players 2015-2020 (Estimated), (MT)

Total India ZnO Nanoparticles Market Competitors Sales Market Share by Players 2019 (\$ millions)

Further, the report presents profiles of competitors in the market, including the following:

EverZinc

HAKUSUI TECH

Sakai Chemical

Grillo

Tata Chemicals

Nanophase Technology

BYK

Yuguang Gold&Lead

Shaanxi Sino-Academy Nano-Material

Shandong Xinya New Material

Shanxi Four High Nano Technology

Jiangxi YUAER

Contents

1 INTRODUCTION TO RESEARCH & ANALYSIS REPORTS

- 1.1 ZnO Nanoparticles Market Definition
- 1.2 Market Segments
 - 1.2.1 Segment by Type
 - 1.2.2 Segment by Application
- 1.3 India ZnO Nanoparticles Market Overview
- 1.4 Features & Benefits of This Report
- 1.5 Methodology & Sources of Information
 - 1.5.1 Research Methodology
 - 1.5.2 Research Process
 - 1.5.3 Base Year
 - 1.5.4 Report Assumptions & Caveats

2 COVID-19 IMPACT: INDIA ZNO NANOPARTICLES OVERALL MARKET SIZE

- 2.1 India ZnO Nanoparticles Market Size: 2020 VS 2026
- 2.2 India ZnO Nanoparticles Revenue, Prospects & Forecasts: 2015-2026
- 2.3 India ZnO Nanoparticles Sales (Consumption): 2015-2026

3 COMPANY LANDSCAPE

- 3.1 Top ZnO Nanoparticles Players in India (including Foreign and Local Companies)
- 3.2 Top India ZnO Nanoparticles Companies Ranked by Revenue
- 3.3 India ZnO Nanoparticles Revenue by Companies (including Foreign and Local Companies)
- 3.4 India ZnO Nanoparticles Sales by Companies (including Foreign and Local Companies)
- 3.5 India ZnO Nanoparticles Price by Manufacturer (2015-2020)
- 3.6 Top 3 and Top 5 ZnO Nanoparticles Companies in India, by Revenue in 2019
- 3.7 India Manufacturers ZnO Nanoparticles Product Type
- 3.8 Tier 1, Tier 2 and Tier 3 ZnO Nanoparticles Players in India
 - 3.8.1 List of India Tier 1 ZnO Nanoparticles Companies
 - 3.8.2 List of India Tier 2 and Tier 3 ZnO Nanoparticles Companies

4 SIGHTS BY PRODUCT

4.1 Overview

4.1.1 By Type - India ZnO Nanoparticles Market Size Markets, 2020 & 2026

4.1.2 Particle Size 60nm

4.2 By Type - India ZnO Nanoparticles Revenue & Forecasts

4.2.1 By Type - India ZnO Nanoparticles Revenue, 2015-2020

4.2.2 By Type - India ZnO Nanoparticles Revenue, 2021-2026

4.2.3 By Type - India ZnO Nanoparticles Revenue Market Share, 2015-2026

4.3 By Type - India ZnO Nanoparticles Sales & Forecasts

4.3.1 By Type - India ZnO Nanoparticles Sales, 2015-2020

4.3.2 By Type - India ZnO Nanoparticles Sales, 2021-2026

4.3.3 By Type - India ZnO Nanoparticles Sales Market Share, 2015-2026

4.4 By Type - India ZnO Nanoparticles Price (Manufacturers Selling Prices), 2015-2026

5 SIGHTS BY APPLICATION

5.1 Overview

5.1.1 By Application - India ZnO Nanoparticles Market Size, 2020 & 2026

5.1.2 Rubber

5.1.3 Cosmetic

5.1.4 Coating

5.1.5 Textile

5.1.6 Others

5.2 By Application - India ZnO Nanoparticles Revenue & Forecasts

5.2.1 By Application - India ZnO Nanoparticles Revenue, 2015-2020

5.2.2 By Application - India ZnO Nanoparticles Revenue, 2021-2026

5.2.3 By Application - India ZnO Nanoparticles Revenue Market Share, 2015-2026

5.3 By Application - India ZnO Nanoparticles Sales & Forecasts

5.3.1 By Application - India ZnO Nanoparticles Sales, 2015-2020

5.3.2 By Application - India ZnO Nanoparticles Sales, 2021-2026

5.3.3 By Application - India ZnO Nanoparticles Sales Market Share, 2015-2026

5.4 By Application - India ZnO Nanoparticles Price (Manufacturers Selling Prices), 2015-2026

6 MANUFACTURERS & BRANDS PROFILES

6.1 EverZinc

6.1.1 EverZinc Corporate Summary

6.1.2 EverZinc Business Overview

6.1.3 EverZinc ZnO Nanoparticles Major Product Offerings

- 6.1.4 EverZinc Sales and Revenue in India (2015-2020)
- 6.1.5 EverZinc Key News
- 6.2 HAKUSUI TECH
 - 6.2.1 HAKUSUI TECH Corporate Summary
 - 6.2.2 HAKUSUI TECH Business Overview
 - 6.2.3 HAKUSUI TECH ZnO Nanoparticles Major Product Offerings
 - 6.2.4 HAKUSUI TECH Sales and Revenue in India (2015-2020)
 - 6.2.5 HAKUSUI TECH Key News
- 6.3 Sakai Chemical
 - 6.3.1 Sakai Chemical Corporate Summary
 - 6.3.2 Sakai Chemical Business Overview
 - 6.3.3 Sakai Chemical ZnO Nanoparticles Major Product Offerings
 - 6.3.4 Sakai Chemical Sales and Revenue in India (2015-2020)
 - 6.3.5 Sakai Chemical Key News
- 6.4 Grillo
 - 6.4.1 Grillo Corporate Summary
 - 6.4.2 Grillo Business Overview
 - 6.4.3 Grillo ZnO Nanoparticles Major Product Offerings
 - 6.4.4 Grillo Sales and Revenue in India (2015-2020)
 - 6.4.5 Grillo Key News
- 6.5 Tata Chemicals
 - 6.5.1 Tata Chemicals Corporate Summary
 - 6.5.2 Tata Chemicals Business Overview
 - 6.5.3 Tata Chemicals ZnO Nanoparticles Major Product Offerings
 - 6.5.4 Tata Chemicals Sales and Revenue in India (2015-2020)
 - 6.5.5 Tata Chemicals Key News
- 6.6 Nanophase Technology
 - 6.6.1 Nanophase Technology Corporate Summary
 - 6.6.2 Nanophase Technology Business Overview
 - 6.6.3 Nanophase Technology ZnO Nanoparticles Major Product Offerings
 - 6.6.4 Nanophase Technology Sales and Revenue in India (2015-2020)
 - 6.6.5 Nanophase Technology Key News
- 6.7 BYK
 - 6.6.1 BYK Corporate Summary
 - 6.6.2 BYK Business Overview
 - 6.6.3 BYK ZnO Nanoparticles Major Product Offerings
 - 6.4.4 BYK Sales and Revenue in India (2015-2020)
 - 6.7.5 BYK Key News
- 6.8 Yuguang Gold&Lead

- 6.8.1 Yuguang Gold&Lead Corporate Summary
- 6.8.2 Yuguang Gold&Lead Business Overview
- 6.8.3 Yuguang Gold&Lead ZnO Nanoparticles Major Product Offerings
- 6.8.4 Yuguang Gold&Lead Sales and Revenue in India (2015-2020)
- 6.8.5 Yuguang Gold&Lead Key News
- 6.9 Shaanxi Sino-Academy Nano-Material
 - 6.9.1 Shaanxi Sino-Academy Nano-Material Corporate Summary
 - 6.9.2 Shaanxi Sino-Academy Nano-Material Business Overview
 - 6.9.3 Shaanxi Sino-Academy Nano-Material ZnO Nanoparticles Major Product Offerings
 - 6.9.4 Shaanxi Sino-Academy Nano-Material Sales and Revenue in India (2015-2020)
 - 6.9.5 Shaanxi Sino-Academy Nano-Material Key News
- 6.10 Shandong Xinya New Material
 - 6.10.1 Shandong Xinya New Material Corporate Summary
 - 6.10.2 Shandong Xinya New Material Business Overview
 - 6.10.3 Shandong Xinya New Material ZnO Nanoparticles Major Product Offerings
 - 6.10.4 Shandong Xinya New Material Sales and Revenue in India (2015-2020)
 - 6.10.5 Shandong Xinya New Material Key News
- 6.11 Shanxi Four High Nano Technology
 - 6.11.1 Shanxi Four High Nano Technology Corporate Summary
 - 6.11.2 Shanxi Four High Nano Technology ZnO Nanoparticles Business Overview
 - 6.11.3 Shanxi Four High Nano Technology ZnO Nanoparticles Major Product Offerings
 - 6.11.4 Shanxi Four High Nano Technology Sales and Revenue in India (2015-2020)
 - 6.11.5 Shanxi Four High Nano Technology Key News
- 6.12 Jiangxi YUAER
 - 6.12.1 Jiangxi YUAER Corporate Summary
 - 6.12.2 Jiangxi YUAER ZnO Nanoparticles Business Overview
 - 6.12.3 Jiangxi YUAER ZnO Nanoparticles Major Product Offerings
 - 6.12.4 Jiangxi YUAER Sales and Revenue in India (2015-2020)
 - 6.12.5 Jiangxi YUAER Key News
- 6.13 Zhengzhou Yongchang
 - 6.13.1 Zhengzhou Yongchang Corporate Summary
 - 6.13.2 Zhengzhou Yongchang ZnO Nanoparticles Business Overview
 - 6.13.3 Zhengzhou Yongchang ZnO Nanoparticles Major Product Offerings
 - 6.13.4 Zhengzhou Yongchang Sales and Revenue in India (2015-2020)
 - 6.13.5 Zhengzhou Yongchang Key News

7 ZNO NANOPARTICLES PRODUCTION CAPACITY, EXPORT AND IMPORT ANALYSIS

7.1 ZnO Nanoparticles Production Capacity and Value in India, Situation Analysis and Prediction, 2015-2026

7.1.1 India ZnO Nanoparticles Production Capacity, 2015-2026

7.1.2 India ZnO Nanoparticles Production 2015-2026

7.1.3 India ZnO Nanoparticles Production Value 2015-2026

7.2 Key Local ZnO Nanoparticles Manufacturers in India

7.2.1 India Key Local ZnO Nanoparticles Manufacturers Production Capacity

7.2.2 India Key Local ZnO Nanoparticles Manufacturers Production

7.2.3 India Key Local ZnO Nanoparticles Manufacturers Production Value

7.2.4 The Proportion of ZnO Nanoparticles Production Sold in India and Sold Other Than India by Manufacturers

7.3 ZnO Nanoparticles Export and Import in India

7.3.1 India ZnO Nanoparticles Export Market

7.3.2 India ZnO Nanoparticles Source of Imports

8 COVID-19 IMPACT: KEY MARKET TRENDS, OPPORTUNITY, DRIVERS AND RESTRAINTS

8.1 PESTLE Analysis for India ZnO Nanoparticles Market

8.2 Market Opportunities & Trends

8.3 Market Drivers

8.4 Market Restraints

9 COVID-19 IMPACT ON ZNO NANOPARTICLES SUPPLY CHAIN ANALYSIS

9.1 Supply Chain Analysis

9.2 Upstream Market Analysis

9.3 Downstream and Clients Market Analysis

9.4 Marketing Channels Analysis

9.4.1 Marketing Channels

9.4.2 ZnO Nanoparticles Distributors and Sales Agents in India

10 CONCLUSION

11 APPENDIX

11.1 Note

11.2 Examples of Clients

11.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Key Players of ZnO Nanoparticles in India
- Table 2. Top Players in India, Ranking by Revenue (2019)
- Table 3. India ZnO Nanoparticles Revenue by Companies, (US\$, Mn), 2015-2020
- Table 4. India ZnO Nanoparticles Revenue Share by Companies, 2015-2020
- Table 5. India ZnO Nanoparticles Sales by Companies, (MT), 2015-2020
- Table 6. India ZnO Nanoparticles Sales Share by Companies, 2015-2020
- Table 7. Key Manufacturers ZnO Nanoparticles Price (2015-2020) (USD/Kg)
- Table 8. India Manufacturers ZnO Nanoparticles Product Type
- Table 9. List of India Tier 1 ZnO Nanoparticles Companies, Revenue (US\$, Mn) in 2019 and Market Share
- Table 10. List of India Tier 2 and Tier 3 ZnO Nanoparticles Companies, Revenue (US\$, Mn) in 2019 and Market Share
- Table 11. By Type - ZnO Nanoparticles Revenue in India (US\$, Mn), 2015-2020
- Table 12. By Type - ZnO Nanoparticles Revenue in India (US\$, Mn), 2021-2026
- Table 13. By Type - ZnO Nanoparticles Sales in India (MT), 2015-2020
- Table 14. By Type - ZnO Nanoparticles Sales in India (MT), 2021-2026
- Table 15. By Application - ZnO Nanoparticles Revenue in India, (US\$, Mn), 2015-2020
- Table 16. By Application - ZnO Nanoparticles Revenue in India, (US\$, Mn), 2021-2026
- Table 17. By Application - ZnO Nanoparticles Sales in India, (MT), 2015-2020
- Table 18. By Application - ZnO Nanoparticles Sales in India, (MT), 2021-2026
- Table 19. EverZinc Corporate Summary
- Table 20. EverZinc ZnO Nanoparticles Product Offerings
- Table 21. EverZinc ZnO Nanoparticles Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2015-2020)
- Table 22. HAKUSUI TECH Corporate Summary
- Table 23. HAKUSUI TECH ZnO Nanoparticles Product Offerings
- Table 24. HAKUSUI TECH ZnO Nanoparticles Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2015-2020)
- Table 25. Sakai Chemical Corporate Summary
- Table 26. Sakai Chemical ZnO Nanoparticles Product Offerings
- Table 27. Sakai Chemical ZnO Nanoparticles Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2015-2020)
- Table 28. Grillo Corporate Summary
- Table 29. Grillo ZnO Nanoparticles Product Offerings
- Table 30. Grillo ZnO Nanoparticles Sales (MT), Revenue (US\$, Mn) and Average Price

(USD/Kg) (2015-2020)

Table 31. Tata Chemicals Corporate Summary

Table 32. Tata Chemicals ZnO Nanoparticles Product Offerings

Table 33. Tata Chemicals ZnO Nanoparticles Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2015-2020)

Table 34. Nanophase Technology Corporate Summary

Table 35. Nanophase Technology ZnO Nanoparticles Product Offerings

Table 36. Nanophase Technology ZnO Nanoparticles Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2015-2020)

Table 37. BYK Corporate Summary

Table 38. BYK ZnO Nanoparticles Product Offerings

Table 39. BYK ZnO Nanoparticles Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2015-2020)

Table 40. Yuguang Gold&Lead Corporate Summary

Table 41. Yuguang Gold&Lead ZnO Nanoparticles Product Offerings

Table 42. Yuguang Gold&Lead ZnO Nanoparticles Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2015-2020)

Table 43. Shaanxi Sino-Academy Nano-Material Corporate Summary

Table 44. Shaanxi Sino-Academy Nano-Material ZnO Nanoparticles Product Offerings

Table 45. Shaanxi Sino-Academy Nano-Material ZnO Nanoparticles Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2015-2020)

Table 46. Shandong Xinya New Material Corporate Summary

Table 47. Shandong Xinya New Material ZnO Nanoparticles Product Offerings

Table 48. Shandong Xinya New Material ZnO Nanoparticles Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2015-2020)

Table 49. Shanxi Four High Nano Technology Corporate Summary

Table 50. Shanxi Four High Nano Technology ZnO Nanoparticles Product Offerings

Table 51. Shanxi Four High Nano Technology ZnO Nanoparticles Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2015-2020)

Table 52. Jiangxi YUAER Corporate Summary

Table 53. Jiangxi YUAER ZnO Nanoparticles Product Offerings

Table 54. Jiangxi YUAER ZnO Nanoparticles Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2015-2020)

Table 55. Zhengzhou Yongchang Corporate Summary

Table 56. Zhengzhou Yongchang ZnO Nanoparticles Product Offerings

Table 57. Zhengzhou Yongchang ZnO Nanoparticles Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2015-2020)

Table 58. ZnO Nanoparticles Production Capacity (MT) of Local Manufacturers in India, 2015-2020

Table 59. ZnO Nanoparticles Production (MT) of Local Manufacturers in India, 2015-2020

Table 60. India ZnO Nanoparticles Production Market Share of Local Manufacturers, 2015-2020

Table 61. ZnO Nanoparticles Production Value (US\$, Mn) of Local Manufacturers in India, 2015-2020

Table 62. India ZnO Nanoparticles Production Value Market Share of Local Manufacturers, 2015-2020

Table 63. The Percentage of ZnO Nanoparticles Production Sold in India and Sold Other Than India by Manufacturers

Table 64. The Percentage of ZnO Nanoparticles Production Sold in India and Sold Other Than India by Manufacturers

Table 65. Dangeguojia ZnO Nanoparticles Sales (Consumption), Production, Export and Import, 2015-2020

Table 66. Raw Materials and Suppliers

Table 67. ZnO Nanoparticles Downstream Clients in India

Table 68. ZnO Nanoparticles Distributors and Sales Agents in India

List Of Figures

LIST OF FIGURES

- Figure 1. ZnO Nanoparticles Segment by Type
- Figure 2. ZnO Nanoparticles Segment by Application
- Figure 3. Dangeguojia ZnO Nanoparticles Market Overview: 2020
- Figure 4. Key Caveats
- Figure 5. ZnO Nanoparticles Market Size in India, (US\$, Mn) & (MT): 2020 VS 2026
- Figure 6. India ZnO Nanoparticles Revenue, 2015-2026 (US\$, Mn)
- Figure 7. ZnO Nanoparticles Sales in India: 2015-2026 (MT)
- Figure 8. The Top 3 and 5 Players Market Share by ZnO Nanoparticles Revenue in 2019
- Figure 9. By Type - India ZnO Nanoparticles Incremental Growth, (US\$, Mn), 2015-2026
- Figure 10. By Type - India ZnO Nanoparticles Market Share, 2015-2020
- Figure 11. By Type - India ZnO Nanoparticles Market Share, 2020-2026
- Figure 12. By Type - India ZnO Nanoparticles Price (USD/Kg), 2015-2026
- Figure 13. By Application - ZnO Nanoparticles Revenue in India (US\$, Mn), 2020 & 2026
- Figure 14. By Application - India ZnO Nanoparticles Market Share, 2015-2020
- Figure 15. By Application - India ZnO Nanoparticles Market Share, 2020-2026
- Figure 16. By Application -India ZnO Nanoparticles Price (USD/Kg), 2015-2026
- Figure 17. India ZnO Nanoparticles Production Capacity (MT), 2015-2026
- Figure 18. India ZnO Nanoparticles Actual Output (MT), 2015-2026
- Figure 19. India ZnO Nanoparticles Production Value (US\$, Mn), 2015-2026
- Figure 20. The Percentage of India ZnO Nanoparticles Export Destination, 2019
- Figure 21. The Source of Imports of India ZnO Nanoparticles, 2019
- Figure 22. PEST Analysis for India ZnO Nanoparticles Market in 2020
- Figure 23. ZnO Nanoparticles Market Opportunities & Trends in India
- Figure 24. ZnO Nanoparticles Market Drivers in India
- Figure 25. ZnO Nanoparticles Market Restraints in India
- Figure 26. ZnO Nanoparticles Industry Value Chain

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