

Prestressed Concrete (PC) Wire and Strand Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global prestressed concrete (PC) wire and strand market size reached US\$ 926 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1,185 Million by 2028, exhibiting a growth rate (CAGR) of 4% during 2023-2028.

Prestressed concrete (PC) wire and strand is a medium of attaining force that assists in neutralizing external forces, including stress and compression, and provides optimal strength to buildings. It offers stability and resistance to extreme temperature, abrasion, water, lubricity, and crack. It is widely used in manufacturing precast concrete elements and poles, rock and soil anchors. At present, PC wire and strand is gaining immense traction in the construction industry across the globe.

Prestressed Concrete (PC) Wire and Strand Market Trends:

The growing global population is resulting in the increasing construction of residential and commercial buildings. This represents one of the key factors positively influencing the market. In addition, rapid urbanization, industrialization, and a considerable rise in remodeling and renovation activities are catalyzing the demand for PC wires and strands across the globe. They are used for constructing various components, including segmental blocks, piers, and foundations, for providing stability to the structure. Along with this, the escalating demand for housing services and the growing business activities are increasing product sales. The rapid construction of flyovers, bridges, hospitals, hotels, auditoriums, heritage sites, shopping malls, and other public structures is also offering lucrative growth opportunities to manufacturers. Apart from this, the

increasing popularity of prefab or offsite construction and the rising utilization of PC in crane beams, cement poles, multi-factory frameworks, and railway sleepers is offering a favorable market outlook. In line with this, continuous investments by governments of various countries in real estate and mega infrastructure projects to support economic growth are driving the market. Furthermore, leading market players are focusing on improving manufacturing technologies and introducing advanced product variants with optimal efficiency and strength, which is expected to propel market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global prestressed concrete (PC) wire and strand market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on coating type, type and application.

Breakup by Coating Type:

Uncoated PC Strand

Galvanized PC Strand

Epoxy Coated PC Strand

Others

Breakup by Type:

Prestressed PC Steel Wire

Plain PC Wire

Indented PC Wire

Spiral Ribbed PC Wire

Breakup by Application:

Bridges

Buildings

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AL ITTEFAQ STEEL PRODUCTS CO., ArcelorMittal S.A., DWK Drahtwerk K?In GmbH, FAPRICELA, Guizhou Wire Rope Incorporated Company, Henan Hengxing Science & Technology Co. Ltd., Insteel Engineers Pvt Ltd., Quantum Steel, Southern Steel Group, Sumiden Wire and Usha Martin Ltd.

Key Questions Answered in This Report

1. How big is the global Prestressed Concrete (PC) wire and strand market?
2. What is the expected growth rate of the global Prestressed Concrete (PC) wire and strand market during 2023-2028?
3. What are the key factors driving the global Prestressed Concrete (PC) wire and strand market?
4. What has been the impact of COVID-19 on the global Prestressed Concrete (PC) wire and strand market?
5. What is the breakup of the global Prestressed Concrete (PC) wire and strand market based on the coating type?
6. What is the breakup of the global Prestressed Concrete (PC) wire and strand market

based on application?

7. What are the key regions in the global Prestressed Concrete (PC) wire and strand market?

8. Who are the key players/companies in the global Prestressed Concrete (PC) wire and strand market?

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