

India Power & Distribution Transformer Market By Type (Power Transformer, Distribution Transformer), By Rating (Below 500 kVA, 500 kVA-2500 kVA, and Above 2500 kVA), By End User (Residential, Commercial, Industrial, Utility), By Phase (Single Phase, Three Phase), By Insulation (Oil Immersed, Dry), By Region, Competition Forecast & Opportunities, 2018-2028.

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Abstracts

India Power & Distribution Transformer Market is anticipated to grow robustly in the forecast period 2024-2028. Factors such as rising industrial energy consumption, development of transmission and distribution networks, and growth in the renewable energy sector are projected to boost the Indian distribution transformer market. However, delays in project execution due to extensive regulatory procedures are projected to limit market growth throughout the projection period.

A power distribution transformer is used to provide the voltage transformation in an electric power distribution system (EPDS), lowering the voltage consumption in wirelines to level the electricity expenditure. The below 500 kVA distribution transformer sector is predicted to be the fastest-growing category for the Indian distribution transformer market during the forecast period, owing to the increasing number of new minor power rating substation projects across the nation. A smart grid is viewed as a highly efficient and cost-effective technology capable of lowering carbon emissions. Such improvements to the country's current networks are anticipated to open enormous prospects for the industry in the upcoming future.

The rising Demand for Repairing Existing Grid Infrastructures to Meet Growing Power Consumption Would Drive Product Penetration.

Government regulations in India that are favorable to rising energy consumption are projected to drive the Indian Distribution Transformer Market. For instance, India's power industry is experiencing extensive restructuring as the country faces rapid growth in electricity consumption. As the increased demand for electricity and the supply deficit, certain districts of India are experiencing severe power outages. To address the issue of electrical dependability, the government has adopted laws that encourage users to limit their consumption during the peak hours.

India's energy generation in 2020 was around 1560.9 Terawatt-Hour (TWh), which was greater than the country's output in 2015, 1317.3 TWh. The rise in energy generation indicates an increase in power producing stations, which will most likely utilize new distribution transformers to distribute electricity to customers.

Furthermore, in October 2021, Sterlite Power, a private sector power transmission and solutions provider, was awarded the Nangalbibra-Bongaigaon interstate power transmission project worth USD 43.446 million through tariff-based competitive bidding (TBCB). The project is intended to include a 20-kilometer 132kV D/c line linking Hatsinghmari in Assam to Ampati in Meghalaya. Several transformers with ratings below 500 kVA are needed to scale down the power supply.

Rising infrastructure expenditure would enhance transformer acceptability across electricity distribution networks.

The Indian government is improving its electrical network to create a strong and smart electrical grid throughout the country. As of February 2022, the Indian government approved projects worth USD 4.12 billion under the Integrated Power Development Program to strengthen sub-transmission and distribution networks in urban areas of the country, which is expected to aid in the growth of the distribution transformer market.

Steel, aluminum, and copper are the primary materials utilized in the manufacturing of power transformers. Due to an increase in the overall price of these raw materials, the sale of power transformers will be restricted in low and middle-income countries.

Market Segmentation

The India Power & Distribution Transformer Market is segmented based on type, rating,

end user, phase, and insulation. Based on type, the market is segmented into power transformer and distribution transformer. Based on rating, the market is segmented into upto Below 500 kVA, 500 kVA-2500 kVA, and Above 2500 kVA. Based on End User, the market is segmented into residential, commercial, industrial, and utility. Based on phase, the market is divided into single phase and three phase, based on insulation, the market is divided into oil immersed & dry.

Market player

Major players operating in India are Power & Distribution Transformer Market are Mitsubishi Electric Corporation, CG Power and Industrial Solutions Ltd, Hitachi Energy Ltd, Siemens Energy AG, and Hyosung Heavy Industries, Transformers & Rectifiers (India) Limited, Urja techniques India Pvt Ltd, Power Tech Transformers, ABC Transformer Private Limited, L.D. Power Transformers Pvt Ltd.

Report Scope:

In this report, India Power & Distribution Transformer Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

India Power & Distribution Transformer Market, By Type:

Power Transformer

Distribution Transformer

India Power & Distribution Transformer Market, By Rating:

Below 500 kVA

500 kVA-2500 kVA

Above 2500 kVA

India Power & Distribution Transformer Market, By End User:

Residential

Commercial

Industrial

Utility

India Power & Distribution Transformer Market, By Phase:

Single Phase

Three Phase

India Power & Distribution Transformer Market, By Insulation:

Oil Immersed

Dry Immersed

India Power & Distribution Transformer Market, By Region:

West India

North India

South India

East India

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in India Power & Distribution Transformer Market.

Available Customizations:

India Power & Distribution Transformer Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

India Power & Distribution Transformer Market By Type (Power Transformer, Distribution Transformer), By Rating...

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The data given for any year represents the market during the period, i.e., 1st April of the former year to 31st March of latter year. E.g.: For FY2023E, the data represents the

period, 1st April 2022 to 31st March 2023.

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