



INDIAN DEFENCE INDUSTRY

Defence Industry Overview

Indian Defence Policy and Market Developments

- Make in India Policy of the Government is driving the Indian defence industry to develop indigenous capability and technology in a wide spectrum, including critical areas, to minimise import dependence.
- Ministry of Defence (MoD) has been allocated ~₹ 5,93,538 crore, which is 13.18% of the total budget for FY 24, and is a 13% enhancement over the previous year.
- The allocation to DRDO for Research and Development in Defence, has been enhanced by 9%, with a total allocation of ₹ 23,264 crore in FY 24 Budget.
- MoD is proactive in identifying and encouraging competent and capable vendors.

TRIVENI POWER TRANSMISSION BUSINESS AT A GLANCE

- Triveni's Power Transmission business (PTB) is divided into two streams - Gears & Defence. Within gears, the business segments include Original Equipment Manufacturer (OEM), Built to Print (which together are referred as Product), and Aftermarket.
- PTB was founded in 1976 to meet the increasing demand for high-speed gears for Steam Turbine Generator (STG) applications. Today, this business is synonymous with cutting-edge technology, knowledge, and expertise, covering installations in 70 countries across a wide range of applications. The business has extensive expertise in the design and development of all sorts of gears and gearboxes, as well as a modern, globally benchmarked manufacturing facility.
- PTB has grown to become one of the largest & leading gear manufacturing companies in India with a 46-year track record and a rich history. It has carved a niche for itself by being ubiquitous across industry segments and application spectrums.

OEM Segment:

- PTB caters to international OEMs for their new product requirements, provides durable aftermarket solutions across all brands, and also manufactures built to print gears for some of the world's leading OEMs.
- The Power Transmission business is world-class, with an unwavering dedication to research & development, product excellence, technological superiority, and customer care.
- PTB is being patronised by all the major global OEMs in India, Southeast Asia and other parts of the world, offering power transmission solutions to various applications like Steam Turbine Generators / Gas Turbine Generators / Rotary & Reciprocating Compressor / Centrifugal and Reciprocating Pumps / Blowers, Hydro Turbine Generator / ID-FD Fans.
- PTB gearboxes are compliant to API and AGMA standards, and cater to various industry segments like Thermal, Oil & Gas, Petrochemicals, IPPs, Fertilisers,



Steel, Cement, Sugar, Rubber & Plastics, spanning all geographies.

- PTB gearboxes are optimally designed to comply with stringent API and AGMA standards for installations in extreme ambient conditions of sub-zero or high temperatures. The gearboxes are engineered to various configurations, such as multiple outputs, vertical and horizontal offset, quill shaft. Accessories include in-built and skid mounted lubrication system and temperature, and vibration instrumentation package suitable for hazardous area applications, meeting stringent noise and vibration limits.
- Reliability, built through superior technology, manufacturing and product quality, coupled with with four and half decade of rich experience in high technology gears, is our key strength, which leads to the development of customised gear drives, meeting tough demands of Industries across high-speed as well as niche slow-speed applications.

Built to Print Segment:

PTB has ventured into built to print gears of high quality for select global customers, leveraging its high-precision specialised manufacturing capability. The precision quality requirements for these select customers resonates well with PTB's forte in high-speed gearing.

Aftermarket Segment:

- Aftermarket services are integral to the industry. PTB undertakes repair & refurbishment predominantly of world-renowned brands followed by local brands as well.
- A two-pronged strategy is adopted in the event of failure - short-term & long-term solutions. Short-term solution would include minor repair with least lead time to maximise the uptime of the equipment whereas long-term solution is aimed at creating higher order of reliability which includes major repair and replacement of parts.
- PTB's current product portfolio - OEM as well as repair & refurbishing - is supplemented by its service portfolio, which includes:
 - o Diagnostic study and health check-up
 - o Overhauling
 - o Upgradation and automation of existing plants
 - o Installation and commissioning
 - o On-site training and assistance
- Triveni PTB provides reliable 360-degree customised services throughout the product life cycle at lowest cost, thus maximising uptime and performance. Major end customers include Global O&G companies and Refineries, Cement, Sugar, Steel, Fertiliser, IPP, Thermal, Hydro, Paper and Pulp, Petrochemical and Chemical industries.

