



# MONTHLY NEWSLETTER

April, 2026



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## Current Affairs of the Industry

### Is India's nuclear expansion entering a new phase of industrial demand?

With a roadmap targeting 100 GW of nuclear capacity, India is strengthening its position in long-term energy security. Recent developments around the SHANTI Act and the push for public-private partnerships indicate a shift toward faster execution and broader industry participation.

This transition brings deeper engineering requirements into focus.

Nuclear infrastructure operates under extreme conditions. High pressure. Elevated temperatures. Zero tolerance for failure. Components used in reactors and supporting systems must meet strict metallurgical and dimensional standards.

As capacity scales, the demand shifts from volume to precision, traceability and reliability. Every component becomes part of a system where performance is directly linked to safety.

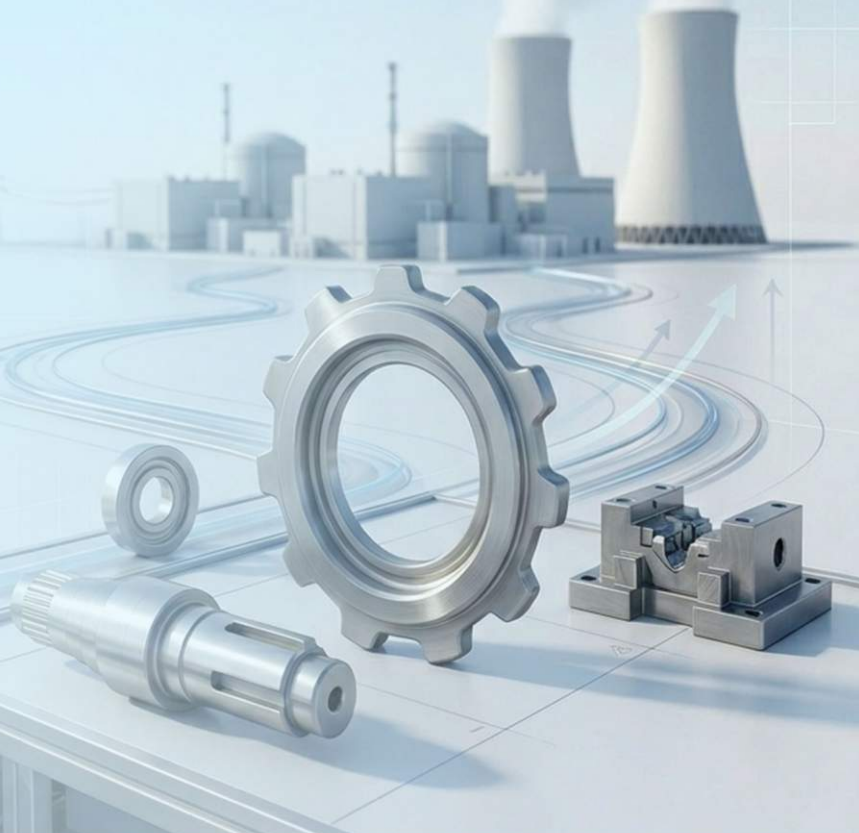
For manufacturers, this is a structural shift.

It calls for advanced material capability, controlled forging processes and integrated validation systems that ensure consistency across every stage.

VINIR Engineering aligns with how high-performance applications are approached. The focus remains on material integrity, process control and certified output.

India's nuclear push is more than an energy milestone. It is a step toward building self-reliant, high-precision manufacturing ecosystems.

In nuclear engineering, reliability is built long before operation begins.



### Is the aerospace and defence materials market entering its most decisive growth phase?

Recent industry projections indicate that the global aerospace and defence materials market is set to reach USD 94.6 billion, driven by rising aircraft production, defence modernisation, and increasing demand for high-performance materials.

This growth is structural, not cyclical.

Across both aerospace and defence, material requirements are evolving rapidly. Components are expected to be lighter, stronger, and capable of performing under extreme thermal and mechanical stress. This is accelerating the use of advanced alloys such as Titanium, Inconel, and high-strength aluminium.

At the same time, supply chains are shifting.

OEMs are diversifying sourcing, creating opportunities for reliable, high-precision manufacturing ecosystems. The focus is on partners who can deliver consistency, certification and traceability.

From a forging perspective, performance depends on how materials are processed and validated. Grain flow, metallurgical integrity and dimensional precision directly impact outcomes.

This shift reflects the approach at VINIR Engineering.

The focus remains on:

- Advanced alloy capabilities
- Integrated manufacturing
- Certified quality systems

As demand grows, the opportunity lies in building localised, high-integrity manufacturing aligned with global standards.

The differentiator will be precision and reliability.



## A Peek into April Activities

### Audits & Customer Engagements

Customer engagements included visits from AG – Germany and RMZ Oilfield Engineering Pvt. Ltd. at Unit II, supporting alignment on technical specifications, quality expectations and process capabilities.

These interactions provided an opportunity to review ongoing requirements, discuss application-specific needs and strengthen collaboration through direct engagement on the shop floor.



### Training & Learning Sessions

In April, the focus was on strengthening safety awareness and process understanding across both units.

Unit I conducted multiple sessions on shop floor safety and PPE awareness, along with security training and a yoga session to support employee well-being.

Unit II conducted an awareness session on thermocouple requirements in heat treatment applications, along with process video learning sessions, security field officer training and a yoga session.

These initiatives continue to support safe operations, technical capability and continuous learning across the organisation.

### Meetings & Engagement

Town hall meetings across both units focused on team alignment, communication and employee engagement.

At Unit I, the session included a new employee introduction, welcoming Mr Santhosh N Patil (Plant Head), Mr Ajith Kumar (Lab) and Mr Selvaraj (Metallurgist), strengthening the leadership and technical team.

At Unit II, the 57th Town Hall Meeting was conducted, continuing the platform for sharing updates, reinforcing goals and encouraging open dialogue across teams.



### Awards & Recognition

Recognition across both units highlighted a strong focus on 5S, continuous improvement and safety.

At Unit I, the Maintenance Area received 5S Gold and the Die Shop earned 5S Silver. Mr Suman was recognised as Best MIS Scorer, and Mr Gowtham was recognised as Best CIP.

At Unit II, the Die Shop Team achieved 5S Diamond, the Heat Treatment & Lab Team received Gold, the Stores Team Silver and the Quality Team Bronze. The Accounts Team was recognised as Best CIP Team, while Mr S Sakthivel (MIS), Mr Bala Kumar and Mr Nekram (Safety) were acknowledged for their contributions.

This recognition reinforces a culture of discipline, ownership and safe practices.



## HEALTH & WELLNESS

Doctor consultations were conducted across both units to support employee well-being and preventive healthcare. These sessions provided employees with access to professional medical consultation, enabling early identification of health concerns and timely guidance on maintaining overall fitness.

Regular health check-ups play an important role in creating awareness around lifestyle habits, workplace health risks and preventive care measures. They also encourage employees to take a more informed and proactive approach toward their health.

Such initiatives reflect a continued focus on building a workplace where health and care remain a priority, ensuring that employees feel supported both on and off the shop floor.



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