

## Amara Raja Enters Defence Electronics to Power India's Naval Sonar Systems

- *61% indigenous components to strengthen India's self-reliance in underwater defence technologies*
- *40% cost reduction through advanced power engineering and local manufacturing*
- *Will expand to Power Amplifiers, Signal interfaces to Power Amplifier cabinets*

**Hyderabad, 18 March 2026:** Amara Raja Design Alpha (ARDA), a specialised engineering R&D firm and a part of the \$2 Bn Amara Raja Group, has developed an indigenous Power Conditioning Cabinet (PCC) for naval sonar systems, marking the company's first deliverable in mission-critical defence electronics. About **61% of system's components will be indigenous**, enabling around **40% cost efficiencies** through advanced power engineering and local manufacturing. In the next phase, ARDA will expand into the design of **Power Amplifiers, Signal Interfaces and Power Amplifier Cabinets**, helping build a comprehensive indigenous ecosystem for naval sonar systems. The initiative represents a meaningful contribution by a private sector technology company to India's growing naval indigenisation efforts.

The units developed by ARDA will comply with global standards such as MIL-STD-901D and MIL-STD-461 for EMI/EMC and shock, ensuring reliability in demanding naval environments. The PCC will support loads of up to 160 kW, delivering stable, high-reliability power distribution for sonar systems, where acoustic detection equipment requires extremely high power quality during sustained maritime operations.

The announcement comes at a strategically significant moment. The Indian Navy's budget has grown from ₹49,623 crore in 2020–21 to over ₹1,03,548 crore in 2025–26, reflecting India's expanding investment in maritime capability. Within this architecture, sonar systems form a critical layer of underwater surveillance and anti-submarine warfare across the Navy's fleet.

"We are excited that our expertise in electronics and power system design and manufacturing can contribute directly to our nation's defence systems," said Dr. Suresh Nair, MD, ARDA. "This development reflects our commitment to building deep, long-term capability in strategically important technologies alongside India's defence research institutions."

ARDA's development is also notable for its location. The company operates from Infopark, Kochi, the same city that is home to DRDO's Naval Physical and Oceanographic Laboratory (NPOL), India's premier institution for sonar research and development. NPOL has been the anchor of India's sonar technology programme for decades, and the emergence of a private-sector design capability in the same ecosystem represents a natural deepening of the indigenous technology base that the government has been actively encouraging.

### **About Amara Raja Design Alpha**

Amara Raja Design Alpha (ARDA) is an associate company of Amara Raja Electronics Limited and part of the Amara Raja Group. Headquartered in Kochi, ARDA operates as a design-led engineering and product development company focused on electronics systems design and manufacturing (ESDM). The company provides end-to-end product development services spanning electronics, mechanical and industrial design, power electronics, photonics systems, prototyping, testing, and turnkey manufacturing. Through its capabilities in system integration, high-reliability electronics and advanced product engineering, ARDA works with industry, research institutions and government organisations to translate concepts and research into deployable products across sectors such as defence, automotive, energy, telecom and industrial systems.

### **About Amara Raja Group**

Founded by Dr Ramachandra N Galla, The Amara Raja Group is a leading conglomerate with revenues exceeding \$2 billion through highly engaged customers across the globe. The group has diverse businesses ranging from Automotive, EV & Industrial Batteries to Infrastructure, Electronics, Auto Components and Food Processing. Amara Raja exports its products to over 65 countries around the world and has 21,000 employees.

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