



# M/s. SPURTHI ENTERPRISES

*Engineers & Contractors*

*(A ISO 9001:2015 Certified Company)*

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## CORPORATE OVERVIEW

M/s. Spurthi Enterprises, established in 2008, is a premier engineering firm specializing across India's commercial, marine, and strategic defense engineering sectors. Headquartered in Visakhapatnam, Andhra Pradesh, the company delivers robust end-to-end technical solutions encompassing the erection, installation, commissioning, and overhauling of critical industrial machinery and complex marine technologies. Backed by an experienced engineering workforce and technical leadership with domain expertise in heavy compressors, marine systems, and rotating equipment, the company executes repairs and maintenance workflows matching stringent standards. Spurthi Enterprises consistently delivers precision engineering solutions engineered to meet the stringent technical and quality requirements of industrial clients, naval establishments, and shipbuilding organizations.

## CORE COMPETENCIES & SERVICE SPECTRUM

### 1. Propulsion & Mechanical Systems

*The company executes mechanical engineering works, machinery overhauls, alignment checks, and structural component renewals for onboard propulsion spaces and auxiliary machineries operating strictly within OEM parameters.*

- **Renewal of Main Engines Raft Mounts:** Execution of engine raft mount replacements, SV mount grouping, mount compression protocols, and alignment checks on platforms like INS Kadmatt & INS Kamorta.
- **Shaft & Gearbox Alignments:** Precision alignment checks between gearbox output shafts, propulsion machinery, and intermediate couplings.
- **Component Overhauling:** Specialized overhaul and refurbishment of DCNS Thrust Blocks and Renk Plummer Blocks, including seal renewals and associated mount replacement works.

### 2. Compression Systems & Technical Support

*We specialize in the installation, overhaul, development, and engineering maintenance of high-pressure air networks, hydraulic systems, and process gas assemblies including associated sealing system material upgrades.*

- **Technical Repair & Service:** Comprehensive overhauling, repair, and pressure testing of high-pressure diving air compressors, BASCCA charging units, and technical gas filtration systems.
- **Indigenization & Sealing Technology Upgrades:** Successfully completed technical indigenization of High-Pressure (HP) Air Reducers and Distribution Manifolds (including CFAM and CFOM system layouts) by modernizing and upgrading existing sealing mediums from Nitrile rubber to Hydrogenated Nitrile Butadiene Rubber (HNBR) for extended operational life under extreme pressure thresholds.
- **Compressor Spares & Sourcing:** Sourcing, supply, and integration of industrial spares and compression units, supporting standard industrial lines including Gardner Denver and associated platforms.
- **Equipment Experience:** Maintenance and repair capabilities across systems from Gardner Denver (UK), Elgi (India), Bauer Compression (Germany), Goneka (India), and Coltri (Italy).

### 3. Marine Piping Systems & Structural Fabrications

*The company delivers specialized piping services for naval and commercial vessels, undertaking the fabrication, renewal, and modification of hydraulic, pneumatic, and utility systems using titanium, copper-nickel alloys, stainless steels, and other specialty materials.*

- **Piping Repair & Renewal:** Demonstrated expertise in the fabrication, repair, renewal, and engineering modification of hydraulic, pneumatic, process, and utility piping systems onboard naval and commercial vessels, supported by over 15 years

of successful project execution spanning 2011 through 2026.

- **Auxiliary System Modifications:** Design optimization and modification of shipboard auxiliary piping systems, including main engine crankcase breather arrangements, to enhance accessibility, maintainability, and operational reliability.

#### 4. Auxiliary Machinery & Workshop Maintenance

*We specialize in the overhaul, repair, refurbishment, and preventive maintenance of auxiliary machinery, workshop equipment, and electrical motors, supporting the continued reliability of shipboard and shore-based assets.*

- **Pump Overhaul & Motor Rewinding:** Comprehensive services for high-capacity and specialty pumps, including centrifugal, positive displacement, seawater, hydraulic, fuel oil, lubricating oil, and fire main pumps, together with associated motors and insulation rewinding of 150 TPH Fire Main Pumps.
- **Maintenance Contracts (AMC):** Execution of formal Annual Maintenance Contracts (AMC) and Annual Integrated Maintenance Contracts (AIAMC) for machine assets and workshop machineries across defense and fleet maintenance bases.

#### 5. Marine Procurement, Supply and Support Services

*Leveraging an established vendor network and supply chain capabilities, we provide reliable sourcing and supply solutions for specialized mechanical components, spares, and marine equipment.*

- **Specialized Spares Sourcing:** Trusted partner for the procurement and supply of mechanical spares, components, and consumables supporting the operational requirements of naval and commercial vessels including specialized Russian mechanical components.
- **Lashing & Cargo Gear:** Supply of certified cargo handling and securing hardware, including single, double, and quadruple flush twist lock pockets, deck fittings, and associated equipment from partner frameworks like M/s. TEC Container S.A.
- **Vessel Husbandry & Chandlery:** Provision of deck and engine stores, marine lubricants, chemicals, LSA/FFA/SOLAS equipment, provisions, and fresh water supply through dedicated barges.

#### 6. Global Trade & International Logistics Support

*Leveraging an active Import Export Code (IEC), we provide end-to-end international sourcing, logistics, and equipment delivery solutions in support of naval, commercial, and industrial operations.*

- **International Equipment Deployment:** Successfully delivered and commissioned High-Pressure Breathing Air (BA) Compressor systems in Seychelles for the Coast Guard vessel PS Zoroaster, including full technical training for ship staff.
- **Defense Spares Supply:** Proven capability in the export of specialized marine spares and engineering components supporting the operational readiness of Seychelles Coast Guard assets.
- **Air & Ocean Infrastructure:** Established logistics strategic operational tie-up with M/s. DHL at Bengaluru International Airport for accelerated worldwide air freight, alongside complete capabilities to manage global ocean freight and customs pipelines.

### MAJOR PROJECTS & COMPLETED WORKS

Vessel / Entity	Scope of Technical Work Executed
<b>Indigenization &amp; Machinery Development</b>	Successfully completed the complex indigenization of High-Pressure (HP) Air Reducers and Distribution Manifolds (CFAM and CFOM architectures). Scope of work included upgrading existing sealing frameworks from Nitrile to Hydrogenated Nitrile Butadiene Rubber (HNBR) to guarantee resilience under extreme high-pressure operations.
<b>M/s. Garden Reach Shipbuilders &amp; Engineers LTD</b>	Presently executing post-delivery Guaranty Defects Rectification and technical stabilization for newly delivered frontline vessels at Visakhapatnam: INS HIMGIRI, INS ARNALA, INS ANDROTH, and INS ANJADIP.
<b>Larsen &amp; Toubro Limited (L&amp;T Shipyard, Kattupalli)</b>	Successfully completed comprehensive shipyard refit activities on High-Pressure (HP) Air Systems and fluid pumps onboard INS SARVESHAK, INS SUTLEJ, INS TIR, and INS ANJADIP.
<b>Cochin Shipyard Limited (CSL, Kochi)</b>	Successfully completed technical refit activities, machinery overhauling, and testing on High-Pressure (HP) Air Systems and industrial compressors onboard INS NIREEKSHAK and INS JYOTI.

<b>PS Zoroaster (Seychelles Coast Guard)</b>	International procurement, turnkey supply, and installation of High-Pressure BA Compressor systems, customized technical component distribution, and dedicated crew training workflows.
<b>INS Kadmatt</b>	Successful renewal of main engine raft mounts. Undertook full degutting and re-cutting of core fuel, lube oil, fresh water, and sea water pipeline lines alongside strict route clearance checks matching OEM installation protocols.
<b>INS Kamorta</b>	Complete execution of main engine raft mount replacements. Performed meticulous grouping of 46 SV mounts, pre and post replacement intermediate shaft alignment checks, and successful modification of main crankcase breather lines.
<b>INS Kiltan &amp; INS Kavaratti</b>	Executed overhaul of DCNS Thrust Blocks and Renk Plummer Blocks, including replacement of associated mounts in AER and FER machinery spaces.
<b>P28 Class Fleet</b>	Turnkey technical modification, mechanical overhaul, and full insulation rewinding of high-output 150 TPH Fire Main Pumps (OEM: Beacon Weir) across multiple class units.
<b>INS Vikrant</b>	Overhauling and repair works for onboard BASCCA charging and filtration systems (Contract window 2022–2025).
<b>INS Sagardhwani &amp; INS Dhruv</b>	Overhaul, repair and testing of high-pressure Diving Air Compressors and BASCCA systems.
<b>Naval Armament Depot (NAD)</b>	Defense engineering support including hull repairs on ballastless practice heads (BPH), tube barrel repairs for SRGM weapons, and localized manufacturing of RBU-6000 rocket launcher springs and micro-switches.

## ACTIVE TECHNICAL CONTRACTS

M/s. Spurthi Enterprises holds active long-term rate maintenance frameworks and service contracts directly with defense facilities:

- **Naval Ship Repair Yard (NSRY) – Kochi (2025 – 2028):** Comprehensive turnkey contract for the repair, technical overhauling, and testing of high-pressure BASCCA and diving air compressors across all active fleet units.
- **Fleet Maintenance Unit (FMU) – Visakhapatnam (2023 – 2026):** Active Rate Maintenance Contract (RMC) for the specialized overhauling, servicing, and certified pressure-testing of diving air and BASCCA charging compressor blocks across ENC ships.
- **Fleet Maintenance Unit – Naval Dockyard, Visakhapatnam (2023 – 2026):** Continuous multi-year fleet maintenance framework managing the precision repair, programmatic renewal, and high-pressure compliance testing of multi-system shipboard fluid pipelines.

## REGIONAL OFFICES

**Kochi Regional Branch:** 15/858, Moolamkuzhi, Mattancherry So, Ernakulam District, Kerala - 682002.

**Karwar Regional Branch:** D.No-235, Sonarwadabaad, Uttar Kannada, Karwar - 582103.

**Chennai Regional Branch:** No.31, Ground Floor, Thideer Nagar, Perumal Koil Street, Chennai, Tamil Nadu - 600001.