

A worker in a white hard hat and blue uniform is writing on a clipboard on a ship's deck. The background shows various ship equipment and structures.

Marine Technical Advisory and Equipment Service Operations

A comprehensive overview of specialized marine technical services delivered by Sea Tusker Ship Management Pvt Ltd during February 2026. The scope encompasses two distinct operational engagements: underwater subsea inspection advisory support for deep-water videography operations offshore Chennai, and precision maritime electronics service attendance for critical navigation systems. Both projects demonstrate professional maritime technical competency, compliance-aligned operational protocols, and structured commercial execution within India's regulated maritime service sector.

Subsea Inspection Advisory Support: NIOT Project Offshore Chennai

Project Overview

On 09 February 2026, Sea Tusker Ship Management Pvt Ltd delivered structured Honorary Marine Technical Advisory and Operational Planning Support to Searock Marine Services Pvt Ltd for a specialized underwater videography and subsea device inspection project conducted at 33 meters depth offshore Chennai. This engagement represented a critical technical consultancy mission tied to the National Institute of Ocean Technology (NIOT) Project, requiring comprehensive marine operations expertise and safety-first planning protocols.

The advisory scope encompassed multiple technical disciplines essential for safe subsea operations. Sea Tusker's role centered on dive risk assessment, safety validation procedures, operational sequencing optimization, and compliance-aligned marine planning. The consultancy ensured that all operational phases adhered to international diving safety standards, environmental regulations, and project-specific technical requirements established by the client and NIOT stakeholders.

Key Advisory Deliverables

- Comprehensive dive risk assessment for 33m depth operations
- Safety validation protocols and emergency response planning
- Operational sequencing and task timeline optimization
- Compliance verification against marine safety regulations
- Technical documentation and operational reporting

Technical Service Scope and Safety Framework

01

Dive Risk Assessment

Comprehensive evaluation of underwater operational hazards, depth-related physiological risks, equipment failure scenarios, and environmental conditions including current velocity, visibility parameters, and seabed characteristics at the 33-meter operational depth offshore Chennai.

02

Safety Validation

Systematic verification of diving equipment certifications, emergency oxygen supply systems, decompression tables, communication protocols, and surface support infrastructure. Validation included diver medical fitness certification and competency documentation review.

03

Operational Sequencing

Development of optimized task sequences for underwater videography capture, subsea device inspection procedures, and equipment deployment logistics. Sequencing accounted for bottom time limitations, decompression obligations, and mission-critical footage acquisition priorities.

04

Compliance Planning

Alignment of operational protocols with Indian maritime regulations, NIOT project specifications, and international diving safety standards including IMCA guidelines. Documentation preparation for regulatory reporting and project audit requirements.

The structured advisory framework provided by Sea Tusker enabled Searock Marine Services to execute the subsea inspection mission with zero safety incidents, complete technical documentation compliance, and successful delivery of all underwater videography and inspection objectives within the project timeline.

Navigation Equipment Service: Purchase Order

SJVME-PO-00112

Purchase Order

SJVME-PO-00112

Issue Date

11 February 2026

Equipment Type

Navigation Systems

Under Purchase Order SJVME-PO-00112 dated 11 February 2026, Sea Tusker Ship Management Pvt Ltd provided professional technical service attendance for critical marine navigation equipment on behalf of SJV Marine Electronics. The engagement encompassed two sophisticated maritime electronic systems: the Tokimec Gyro Compass (Model TG-8000) and the JRC Echo Sounder (Model JFE-582).

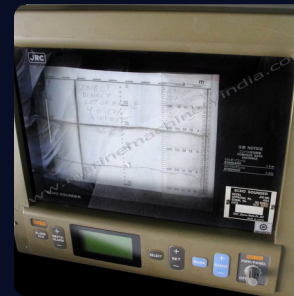
The assignment involved comprehensive equipment inspection protocols, precision servicing support procedures, and operational verification testing to ensure compliance with manufacturer specifications and maritime safety standards. Both systems represent essential bridge navigation instrumentation requiring periodic maintenance, calibration verification, and performance validation to maintain vessel operational safety and regulatory compliance.

Technical Service Execution and Equipment Specifications



Gyro Compass TG-8000

The Tokimec TG-8000 represents advanced gyroscopic navigation technology providing continuous true north reference independent of magnetic variation. Service attendance included gyro rotor inspection, stabilization system verification, bearing output calibration, and electrical power supply validation. Operational testing confirmed heading accuracy within manufacturer-specified tolerances and proper integration with vessel autopilot and radar overlay systems.



JRC Echo Sounder JFE-582

The JRC JFE-582 Echo Sounder provides precision depth measurement critical for safe navigation in coastal waters and port approaches. Service protocols encompassed transducer inspection, signal processing module testing, depth reading accuracy verification, and alarm function validation. Operational verification confirmed proper depth indication across multiple frequency ranges and accurate shallow water alarm functionality.

The technical service engagement concluded with formal commercial closure including comprehensive service documentation, equipment performance certification, and tax-compliant billing documentation. All service records were prepared in accordance with maritime industry standards and retained for vessel operational history and regulatory audit purposes.

Professional Competency and Commercial Execution



Technical Expertise

Demonstrated professional competency in marine technical advisory services, subsea operations planning, and precision navigation equipment servicing across complex maritime operational environments.



Regulatory Compliance

Full adherence to Indian maritime regulations, international diving safety standards, manufacturer service protocols, and tax-compliant commercial documentation requirements throughout both project engagements.



Commercial Integrity

Structured purchase order management, formal service documentation, transparent billing procedures, and professional client relationship management demonstrating commercial maturity and operational accountability.

The February 2026 operational period exemplifies Sea Tusker Ship Management Pvt Ltd's capacity to deliver diverse maritime technical services ranging from strategic subsea operations advisory to hands-on navigation equipment maintenance. Both engagements reflect the company's commitment to operational excellence, safety-first protocols, and professional service delivery standards that meet the demanding requirements of India's commercial maritime sector.

These project completions enhance Sea Tusker's portfolio of demonstrated technical competencies and establish reference credentials for future marine advisory, equipment service, and operational support opportunities within the maritime industry. The successful execution of both NIOT-related subsea advisory work and precision navigation equipment servicing positions the company as a reliable technical partner for vessel operators, marine contractors, and maritime equipment suppliers requiring specialized professional services.