

SCOPE OF SUPPLY AND SERVICES:-**MARITIME AND OIL & GAS****Navigation Equipment**

- 1 Radar / Automatic Radar Plotting Aid (ARPA)
- 2 Intergrated Navigation System - NAVNET series & NAVNET 3D series
- 3 Chart Plotter
- * Global Positioning System (GPS)
- * Differential Global Positioning System (DGPS)
- * Wide Area Augmentation System (WAAS)
- 4 Electronic Chart Display & Information System (ECDIS)
- 5 Integrated Navigation System (INS) Voyager
- 6 Navigational Echo Sounder
- 7 Doppler Speed Log
- 8 Satellite Compass and Heading Sensor
- 9 Auto Pilot
- 10 Multi-Purpose Marine Display
- 11 Digital Depth Displays & Temperature Sensors
- 12 Voyage Data Recorder (VDR) & Simplified Voyage Data Recorder (S-VDR)
- 13 Automatic Identification System (AIS)
- 14 Instruments
- 15 Ultrasonic Weather Station

Communication Equipment/Systems

- 1 Global Maritime Distress and Safety System (GMDSS) Equipment
- 2 Ship's Security Alert System (SSAS)
- 3 Inmarsat Ship Mobile Earth Station - Inmarsat Satellite Communication
- * Fleet Broadband (Inmarsat)
- * Fleet 33 (Inmarsat)
- * Fleet 55 (Inmarsat)
- * Fleet 77 (Inmarsat)
- * C and Mini-C (Inmarsat)
- * Mini-M (Inmarsat)
- * D+ (Inmarsat)
- * Fleetphone Maritime Satellite Phone (Inmarsat)
- 4 Iridium Maritime Satellite Communication
- 5 Thuraya Maritime Satellite Communication
- 6 Radiotelephones Fixed and Handheld
- * SSB HF
- * VHF
- * MF/HF
- 7 Loud Hailer & Marine Intercom System
- 8 Weather Facsimile Receiver
- 9 Navtex
- 10 Marine Antenna
- 11 Maritime GSM Communication

Fishery Equipment

- 1 Bird Radar
- 2 Fish Finder
- 3 Scanning Sonar
- 4 Colour Searchlight / Sector Scanning Sonar (3D)
- 5 Doppler Sonar Current Indicator
- 6 Echo Sounder
- 7 Net Recorder
- 8 Digital Water Temperature Indicator
- 9 Marine Transducer
- 10 Handheld GPS

Offshore Related Equipment / Systems

- 1 Fire and Gas Detection System, with Emergency Shutdown Functions
- 2 Intra-Platform Page / Party and Alarm Systems (Automatic Detection and Monitoring)
- 3 Surveillance Closed Circuit Television System (CCTV)
- 4 Data Systems – Local Area Network (LAN) and Wide Area Network (WAN)
- 5 Telemetry/SCADA – Radio-based Remote Control and Monitoring Systems
- 6 Instrumentation/Automation – Tank Level Gauging/Remote Alarm Monitoring Systems
- 7 Helideck Motion Control System
- 8 Drillers Intercom System
- 9 Satellite-Base Sea-Berthing System
- 10 Television Antenna Distribution System (SMATV & CATV)
- 11 Satellite TVRO System (TVRO)
- 12 KU & C Band Stabilized/Fixed VSAT Point to Point/Multi-point networks
- 13 Digital Microwave links
- 14 Non-directional Radio Beacon
- 15 VHF/AM Communication Systems
- 16 Rural Telephone Networks
- 17 Spread Spectrum Radio Systems
- 18 Instrumentation and Automation
- 19 Tank Level Gauging / Remote Alarm Monitoring Systems
- 20 Explosion proof and Weather-proof Systems
- 21 Explosion proof and Weather-proof Telephones
- 22 Meteorological and Environment Monitoring System
- 23 Fibre-optic which includes Single mode / Multi-mode Cabling Loose-tubed / Buffered Structured
- 24 Digital and Fiber Multi-plexing Equipment
- 25 Digital Voice Messaging, Monitoring and Call Management System
- 26 Long Range Identification and Tracking (LRIT)

Others

- 1 Emergency Position Indicating Radio Beacon (EPIRB)
- 2 Beacon
- 3 Marine Fuel Management
- 4 Marine Maintenance Management
- 5 Power Supply Unit
- 6 Vessel Tracking Management System (VTMS)
- 7 Electronic Navigational Charts and Chart Cards (C-Map)
- 8 Solar Charger
- 9 Satellite Air-Time