



**Nordic Maritime Pte Ltd**

**M.V. ORIENT EXPLORER**  
**3D SEISMIC VESSEL**



**TECHNICAL SPECIFICATION**

Name of Vessel	: M.V. Oriental Explorer	Owner	: DMNG
Type of Vessel	: 2D-3D Seismic Vessel	Year Built	: Poland 1988
Call Sign	: 3FFFX5	Rebuilt	: Singapore 1995
Classification	: DnV 1A1 ECO HELDK	Flag	: Panama
Top Speed	: 14,4/11 knots	IMO No.	: 8409020

PRINCIPAL PARTICULARS		MACHINERY / PROPULSION	
Length O.A.	: 81.85 M	Propulsion	: Single 4 bladed CPP propeller PH 1150/4-R315
Breadth Moulded	: 14.80 M	Main Engine	: 1 x 3090 kw/4200 bph, 505rpm Sultzer-Zgoda, 6ZL40/48
Depth Moulded	: 5.99 M	Bow Thruster	: 220 KW/300hp
Summer Draft (Max)	:	Shaft Generator	: 1 x 1200 kw
Gross Tonnage	: 3478 Tons	Diesel Generators	: 2 x 504 kw
Net Tonnage	: 1044 Tons	Emergency Generators	: 1 x 92 kw
Deadweight	:	Planning & Maintenance System	: TM Master
Navigation Area	: Unlimited		
Cruising Range	: 14000 nautical miles		

CARGO / TANK CAPACITY		SEISMIC SPECIFICATIONS	
Fuel Oil	: 910 tons	Seismic Recording Instruments	
Fresh Water	: 217 tons	Type	: Syntrak 960-24TM MSTs
Lube Oil	: 17 tons	Maximum channels	: 1440
Fresh Water maker	: WY 12.5A 10 tons/day Osmosis 12 tons/day	Sample rate	: 1,2,4 msec
Cold Storage	:	Tape Format	: SEG-D 8048
Fuel Oil Consumption	: 12/15 cu.m shoot/cruise	Tape Transport units	: 3 x IBM 3590
Endurance	: 50 days	Data Capacity	: 10GB
		Trace Plots	: OYO GS 624
		Observer Log	: Automatic + OBS corrections

ACCOMMODATION & LIFE SAVING EQUIPMENT		NAVIGATION / COMMUNICATION EQUIPMENT	
Accommodation	: 60 + Hospital	GYRO	: VEGA – 1M
Fire fighting systems	:	Navtex	: Lo-kata
Fixed water-spraying	: All spaces of the vessel	Weather fax	: Furuno FAX 207
Fixed CO2	: Machinery spaces, paint locker Cable room	Auto Pilot	: Robertson Ap9 MK11
Foam Deluge system	: Helideck, seismic reels	GPS Navigators	: Jrc jrl-4110MkII
Extinguishers	: 70 x CO2 AFF 3 x Lithium Europege	Speed log	: IEL – 2M
Life Boat	: MIRIAN x 65 persons	Echo Sounder	: NEL –M3B
Life Jackets	: 132	Communication	: Fununo GMDSS – A3
Life Rafts	: 6 x 10, 3 x 20	Immarsat System	: Immarsat B, C, NorsatB
Rescue Boat	: Norpower x 6 persons	Helicopter beacon	: Southern avionics NDB SA 100
Immersion Suit	: 60	Helideck Camera	: Monitors on bridge & instrument room
Life buoys	: 12	Gun Deck Camera	: Bridge & Instrument room
Fireman's outfits	: 7	Public Address	: Stentofon, VMP 606
Breathing Apparatus	: 7	Radars	: Furuno 10 cm FAR-2830S Furuno 3 cm FR 2110
		Internal Telephone	: 60 units