

Vessel with Instrument Specifications on Board



HGSPL

Geo Hindsagar



General

Port of Registration	Mumbai
Flag	Indian
Class	DNV & IRS
Year of Built/Rebuilt	1980(Sweden), 1998(Denmark), 2003(Singapore)
IMO No.	7806075
Length Overall	75.00 m
Breadth	15.50 m
Draught	4.85 m
Gross /Net Tonnage	2906/872 tons
Cruising Speed	12 knots, 8 knots with one engine
Fuel Capacity	691 m3, 450 m3(normal)
Fresh Water Capacity	74 m3
Main Engine	2 x Wartsila 8L20,1800 HP each, (1320 kW)
Azimuth Thruster	100 kW/ 690 V, Propeller dia. 1800 mm. 4 blades
Generator	Scania V8 DSI, 206 kVA
Propeller Type	KaMeWa controllable pitch, 4 blades, type 72xF/4, 276 rpm, diameter 2550mm
Accommodation	50 persons (SPS Complaint)
Inflatable life Rafts	4 x DSB(25 persons)
Man Overboard Life Raft	2 x Jonbuoy
Crane	1 MKG HMC 700-GMC. 15.8 m, 3.3 T SWL 1 Grampian
Workboat	Norsafe Magnum 750

Vessel Navigation & Communication

Radar 1	1 x Furuno ARPA 2825, X-band
Radar 2	1 x Furuno ARPA 2235, S-band
Communications	Inmarsat B , Inmarsat C , Norsat C, GSM
Gyro Compass	1 x Anschutz STD 22, 1 x Anschutz STD 20, Octans III, 1 x SEA
Auto Pilot	Robertson AP9 MK 3,
Echo Sounder	Furuno FE-700
GPS	Koden and Furuno GP 31
Speed Log	Skipper DL 850

Recording Instrument

Manufacturer	ION
Type	Input/Output, MSX digital(Fluid and gel)
Number of Channels	2D :1 x 12000 m (12.5 m interval), 960 channels, 3D : 4 x 6400 m (12.5 m interval) 2048channels
Sample Rate	0.5 ms, 1 ms, 2 ms, 4 ms
Recording Medium	IBM Magstar 3590E/3592
Plotter	Oyo GS 624-2

Streamer / Cable

Manufacturer	ION
Type	Input/Output, MSX digital (Fluid and Gel)
Section Length	99.5 m
Group Interval	12.5 m / 25 m
Streamer Configuration	1 x 12000 m / 4 x 6400 m
Hydrophone Type	Input / Output
No. of Hydrophone/Group	14

Navigation Equipment

Manufacturer	Spectra, Concept Systems Ltd.
Primary Navigation	Starfix HP DGPS, Fugro
Demodulator	Starfix 3000 LR
Secondary Navigation	Starfix XP DGPS Fugro
Tailbuoy Tracking	Kongsberg Seatex Seatrack 220 RGPS
Gun Array Tracking	Kongsberg Seatex Seatrack 320 RGPS
Acoustic	SIPS 2
Dynamic Sound Velocity	SIPS 2 x SRV/SV, Sonardyne
Streamer Positioning	Digicourse DigiBIRD 5011 Compass Bird Sonardyne, SIPS2 acoustic
Navigation Processing	Concept Systems, Sprint Concept Systems NRT
Binning	Concept Systems Reflex

Source Equipment

Airgun Type	Sodera G-gun
Number of Sub Arrays	2 strings per array
Array Volume	2 x 2620 cu.inch
Compressor	3 x LMF: 997 SCFM @ 3000 psi, 1046 SCFM @ 2500 psi, 1100 SCFM @ 2000 psi
Compressor Capacity	2991 SCFM @ 3000 psi, 3138 SCFM @ 2500 psi 3300 SCFM @ 2000 psi
Operating Pressure	2000 - 3000 psi
Source Controller	Seamap GunLink 2000

Onboard Processing

Hardware	2 x HP DL 850 GS Linux Servers, 4 Dell Dual Monitor Linux Work Stations, Total Disk space 25 TB, OYO 36" Thermal Plotter
Software	ProMax