



MYY CAMELLIA

GEOPHYSICAL VESSEL

NOTICE: All the information in this document is provided in good faith without any guarantee.





MYY CAMELLIA

VESSEL SPECIFICATIONS

GENERAL DATA

LOA:	40.00m
Breadth:	8.6 m
Depth / Draft:	4.12 m / 2.9 m
GRT / NRT:	447 /134 tons
Registry:	Kuching
Built:	2018
Official Number:	336654
Call Sign:	9WTO6
MMSI Number:	533170518
IMO Number:	9837262
Bollard Pull:	Approx 28.0 tons
Classification:	Registro Italiano Navale (RINA)

MAIN ENGINE / GENERATOR

Main Engine:	2 x 1138HP,1674kW 2276 bhp @ 1450 rpm. Yanmar
Main Generator:	3 x Cummins 6BT59-D(M) 80 kW/415V/50 Hz
Bow Thruster:	1 X 2.5 ton Schottel STT60FP Tunnel Thruster (Motor Driven)
Propulsion:	2 x Fixed Pitch propeller
Max Speed:	Approx. 12 knots
Emergency Generator:	1 X 30 kW

DECK EQUIPMENT

Towing hook:	1 X 30 tons
Anchor:	2 X Stockless anchor 600kg 2 X 6
Wire length and size :	Shackle, 32 mm
Capstans:	1 X 3 Tons

SAFETY EQUIPMENT

FireFighting:	12 FiFi Fire Pump(PTO)Fire1 X 1250 m3/H
Fire Monitor:	2 x 600 m3 / H
Life Jackets:	In compliance with class requirement 78 units

OTHER INFORMATION

Deck Space:	120 m2
Deck Strength:	5 tons / m2
Passenger Seating:	25 Seats
Sick Bay:	1
Messroom:	24 men capacity
Prayer room:	1
Smoking Room:	1

NAVIGATION / COMMUNICATION EQUIPMENT

Radar:	2 X JRC
Echo Sounder:	1 X JRC JFE-380
GPS:	2 X JRC
Compass:	1 X Magnetic Compass
Satellite Compass:	1 X SIMRAD HS80A
Auto Pilot:	1 X TMQ AP9
Email Comm/Phone:	1 X VSAT Intellian
Speed Log:	1 X JRC JLN-205MK2
SSB:	1 X JRC JSS-2150
AIS:	1 x JRC JHS-183
VHF:	2 X JRC JHS-770S 2 x portable Model STR-6000A 1X JRC
Navtex:	NCR-333
EPIRB:	Kannad Marine
SART:	1 X SART
PA System:	1 X Phonotech CTS3000

TANK CAPACITY

Fuel Oil :	108 m3
Fresh Water :	125 m3
Lube Oil :	1.3m3
Dirty Oil :	2.6 m3
Foam :	10.8 m3
Endurance :	Approx. 21 days

ACCOMMODATION

Single Cabin:	2 units
Twin Cabin:	4 units
4 Men Cabin:	5 units
Total:	30 men

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EQUIPMENTS LIST

POSITIONING AND NAVIGATION

Primary Positioning :	Fugro P2 Pro GNSS
Secondary Positioning :	Hemisphere Vector VS1000
Gyrocompass :	TSS Meridian
Navigation software :	QPS QINSy V.9
Underwater Tracking	Sonardyne Scout Plus Transducer 3x Sonardyne 8271 omni directional transponder beacons
Secondary Heading :	Octan

BATHYMETRY – SBES, MBES & SVP

Single Beam E/S :	Teledyne E20
Multi Beam E/S :	Teledyne T20 Dual Head
Motion Reference :	Octan INS20
Active Frequency :	33/200 kHz
Active Frequency :	190-420 kHz
MBES and Backscatter processing software :	QPS Qimera
SVP probe :	SVP70 MBES SV AML Plus-X

SIDE SCAN SONAR

SSS model :	2x Edgetech 4205 Series
SSS Acquisition software :	Edgetech Discover
Tow Point :	Swing Davit
SSS Frequency :	230 & 540 kHz
SSS processing software :	SonarWiz
Winch :	Electrical winch

SBP

SBP :	Innomar Medium
Acquisition software :	Innomar SIS 2000
SBP Frequency :	100kHz Primary 4-15kHz Secondary
Interpretation software :	SonarWiz / IHS Kingdom Suite

MAGNETOMETER

Model :	1x Geometrics G882 (piggyback SSS)
Acquisition software :	Maglog lite
Sensitivity :	1nT
Processing software :	Magpick / Oasis Montaj

SEABED SAMPLING

Model :	Gravity Corer
Barrel length :	3m, steel
Barrel diameter :	3 ½ inch
Onboard soil tester :	Torvane & Pocket Pentrometer
Weight :	1000kg in air
Deployment :	A frame + 3T SWL winch from stern
Liner :	3 inch core liner
Misc :	End caps etc

2DHR * other options can be provided/varied to optimise objectives

Source :	GI Gun
Streamer :	GeoEel Gel
Group interval :	12.5m
Tail buoy positioning :	800L Mini
Streamer Leveller :	5010 birds 5011 birds
Interpretation system :	GeoVerse
Source Power :	150 cu in
Channel No. :	96
Active Streamer Length :	1200m
Recording system :	Geometrics LH-16 High Frequency CNT-2 Controller
Processing system :	RadExPro / ProMAX

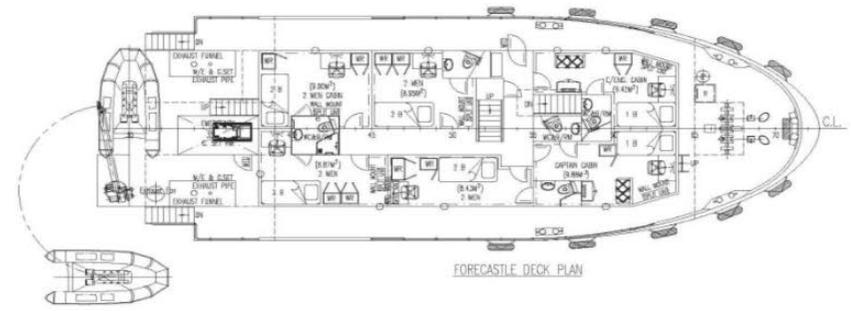
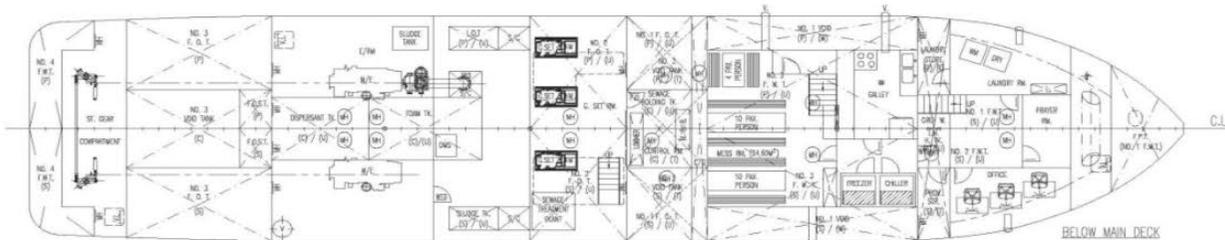
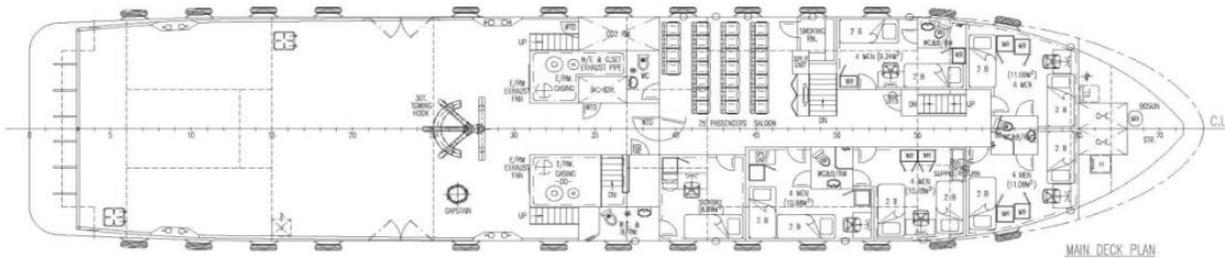
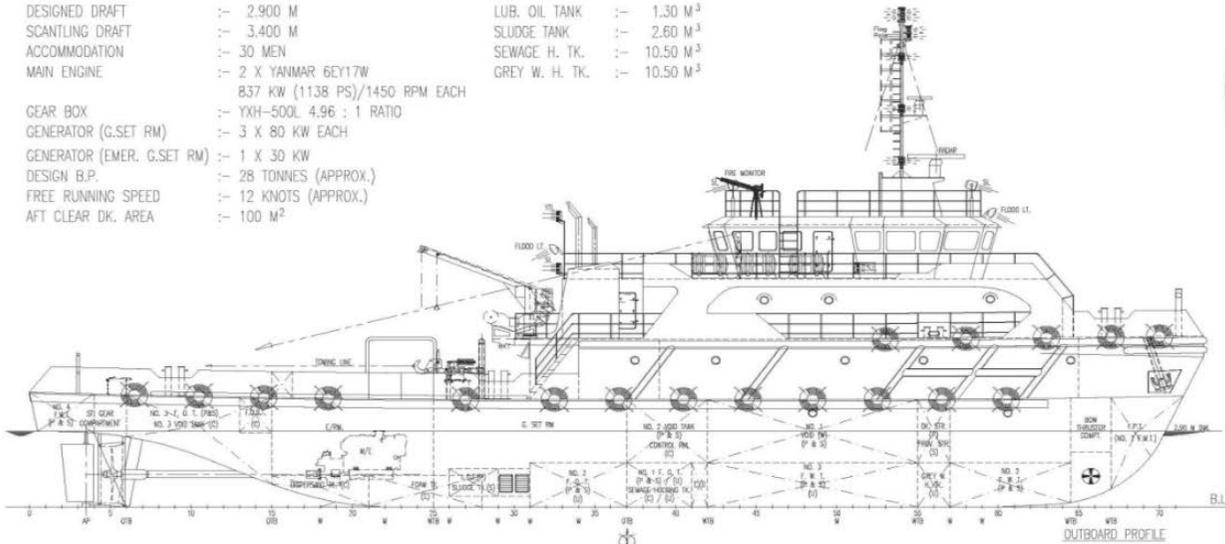
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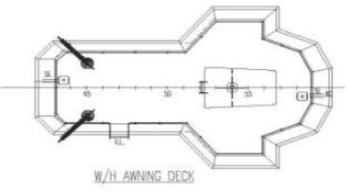
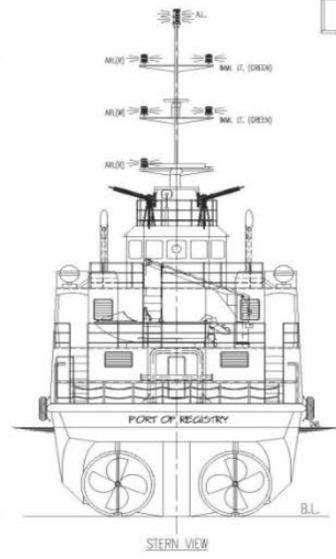
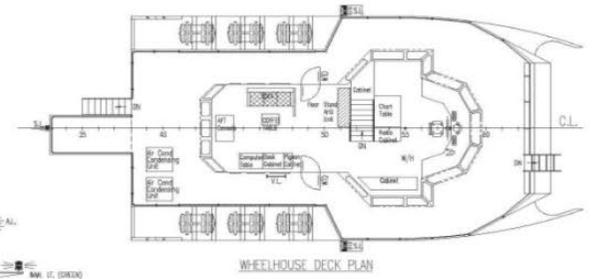
MY CAMELLIA - GENERAL ARRANGEMENT

PRINCIPAL PARTICULARS :-

LENGTH O. A.	40.000 M	FUEL OIL	108.00 M ³
LENGTH B. P.	36.784 M	FRESH WATER	125.00 M ³
BEAM MLD	8.600 M	FOAM TK.	10.80 M ³
DEPTH MLD	4.120 M	DISPERSANT TK.	6.10 M ³
DESIGNED DRAFT	2.900 M	LUB. OIL TANK	1.30 M ³
SCANTLING DRAFT	3.400 M	SLUDGE TANK	2.60 M ³
ACCOMMODATION	30 MEN	SEWAGE H. TK.	10.50 M ³
MAIN ENGINE	2 X YANMAR 6EY17W 837 KW (1138 PS)/1450 RPM EACH	GREY W. H. TK.	10.50 M ³
GEAR BOX	YXH-500L 4.96 : 1 RATIO		
GENERATOR (G.SET RM)	3 X 80 KW EACH		
GENERATOR (EMER. G.SET RM)	1 X 30 KW		
DESIGN B.P.	28 TONNES (APPROX.)		
FREE RUNNING SPEED	12 KNOTS (APPROX.)		
AFT CLEAR DK. AREA	100 M ²		



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NATAH SHIPYARD SDN BHD (Private)			
Shipyards: Lot 822, Block 1, Sedang Land District, 80000 Sibu, Sarawak, Malaysia Main Office: Lot 918, Jalan Cempaka 2, Puncak Mutiara Estate, 98000 Miri, Sarawak Tel: +608-6566171, +608-6566172 Fax: +608-6566120 Email: info@natahshipyard.com			
PROJECT / SHIP			
40M SAFETY STANDBY UTILITY VESSEL			
TITLE			
GENERAL ARRANGEMENT			
OWNER			
BUILDER NATAH SHIPYARD S/B, SIBU			
DESIGNER WANG SANG & ASSOCIATES SDN BHD			
CLASS	RSA	REG. NO.	YD. NO.
TRADE	UNRESTRICTED AREA	4308H-A WS0237-17-0(6)	NS205
DRAWN	BY/LINDA	DATE	30/09/2017
CHECKED	PAUL WONG	DATE	29/09/2017
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