



300-men Accommodation Work Barge "PELANGI TIRTA MAS"

PRINCIPLE PARTICULARS

Owner	PT. Pelangi Niaga Mitra Internasional
Builder	PT. Samudra Marine Indonesia
Year Built	(Keel Laying November 2007)
Delivered	November 2009
Flag	INDONESIA
Port Registry	INDONESIA
IMO . No	--
Call Sign	PNMG
Radio Accounting Authority	VIZADA GMBH (DP03)
Official Number	1852
MMSI	--
Hull No.	SM-01
Length Overall	95.40 M
Breath	30 M
Depth Moulded	6.5 M
Light Draught	2.5 M
Loaded Draught	4 M
Gross Tonnage	8402 tons
Nett Tonnage	2520 tons
Classification	BKI & ABS Class +A1 Accomodation Working Barge
Clear Deck Space	27 m x 50 m = 1350 M ²
Deck Strength	10 tons/M ²
Double skin hull, IMO-Modu Code Compliance	

MACHINERY

Main Generator	4 units diesel Cummins VTA28D (M) x 690 HP 550 Kw /440V /3 Ph/ 60 Hz, Total 2200 Kw
Emergency Generator	1 unit diesel Cummins KTA19D (M) 390 Kw/ 440 V/ 3 Ph/ 60 Hz
Air Compressors	2 x Ingersoll Rand SSR / 802 cfm Working pressure 140 psig / Air Disch 2-1/2"
Receiver Tank	1000 Ltrs.

TANKS CAPACITIES

Fuel Oil	1,323.9 M ³
Portable Water	2,300.1 M ³
Fresh Water Maker	390 M ³
Sea Water Ballast	5,558.1 M ³
Lube Oil	25.8 M ³
Sewage Treatment	2 Units x 150 mercapacities. comply to IMO and USCG approval, Cap. 6000 Ltr/day
Water Maker	2 x 50 tons/day Sea water Reverse Osmosis

DISCHARGE RATES / CARGO PUMPS

Fuel Oil	2 x 66 m ³ /hr @ 60m head (gear type)
Fresh Water	2 x 100 m ³ /hr @ 80m head (centrifugal)
Ballast Water	2 x 120 m ³ /hr @ 80m head (centrifugal) 2 x 160 m ³ /hr @ 9Cm head (centrifugal)

DECK EQUIPMENT

Mooring Winches	8 point mooring winches single drum electro-hydraulic Drum cap for 1500m x 38mm IWRC c/w load tension meters and CCTV monitoring system remote control in CCR 150 HP at 1500 rpm, PT. Hamson Indonesia
Anchor Wire	8 x 1-1/2" x 1500 Meters IWRC wires EEIPS + 1 roll spare wire
Anchor	8 x 10 tons Delta Flipper Anchors + 1 spare anchor
Pennant Wire	8 x 100 Feet x 1-1/2" IWRC wires + 1 spare wire
Winch Control	Electro - Hydraulic Control (Local & Remote)
Hellideck	Suitable for Bell 212
Pedestal Crane	SCM Offshore pedestal cranes YQHG315C; 70 tons at 15m radius, 150' boom length, fitted with handsfree handy talkie API 2C, BV + ABS class inspection
Service Crane	SCM Deck Cranes YQ1600 10 tons at 0-10m radius, CCS + ABS certificate
Windlass	1 x 4320kg Anchor powered with electro-hydraulic motor
Gangway	1 x 20m x 1.2m certified & fitted with lifting gears

ACCOMMODATION

Single berth	6 x 1 berth
Double berth	9 x 2 berth
Four (4) men berth	69 x 4 berth
Total	300 men Fully air-conditioned
Briefing Room	Max 56 persons, with video player
Conference Room	c/w chairs, tables and white board on C deck
Recreation Room	Equipped with TV, DVD player on main deck & A deck
Prayer Room	For 60 persons on B deck
Church Room	For 25 persons on B deck

RADIO & NAVIGATION EQUIPMENT

GPS	1 x Furuno GP-32 GPS Navigator
GMDSS	1 x McMurdo ICS NAV7 GMDSS Paperless Navtex Receiver 1 x Furuno GMDSS Radio Communication Equipments 2 x McMurdo S4 GMDSS 9GHz Sart Radar Transponder 3 x McMurdo R2 Waterproof GMDSS Portable 2-Way VHF Radio 1 x McMurdo SMARTFIND E5 GMDSS Satellite 406 MHz EPRB 1 x ICOM M-700
Wind Indicator	1 x RM Young Wind Anemometer System
Compass	1 x Daiko T150B, 150mm, 6 Table Type Magnetic Compass
VHF Radio	1 x Icom A210 Airband VHF AM Transceiver set 1 x Icom IC-M504 VHF Marine Radio telephone
NDB	1 x SA100 Non-Directional Radio Beacon Transmitter
Handy Talkie	8 x Motorola GP-328 (16ch) Walkie Talkie Handheld Radio
Inmarsat	1 x Inmarsat Fleet F77
CCTV	6 x Color Camera TV System

FIRE FIGHTING & SURVIVAL EQUIPMENT

Fire Water Monitor	1 unit engine driven 180 M ³ /hr @90m head
Emergency Fire Pump	1 unit electric driven 90 M ³ /hr @90m head
Chemical Foam	1 foam tank w/ grp 0 7 m
Fire Hose/ Station	50mm x 15M hoses With jet fog nozzle
CO ² Extinguisher	Engine Room - 2000 m
Portable Extinguisher	Sufficient wheeled & portable fire-extinguiser as per requirement
Gas Monitoring	14 gas detector heads system
Life Raft	24 x 25 men
Stretcher	2 units
Rescue Boat	1 x 6 persons c/w david and accessories / 25 Pk
Life Jacket	200%
Life Buoy	12 pcs
Crash Kit Box	2 sets
Breathing Apparatus	6 Sets
Automatic water sprinkler system for accommodation areas.	
Automatic Smoke & Heat detection & Emergency General alarm system c/w 16 zone.	

OTHER FACILITIES

Hospital	1 x 4bed With lockers, toilets c/w standard barge clinic Equipment & medicine
Galley	1 x With cooking utensils, tridges & chest freezer
Laundry	5 each at 16kg washing machine & 5 each Dryer
Cold room	1x freezer -25°C to 18°C an Chiller + 1°C - 3°C, Cap. 84 m ³
Provision Store	1 x with airconditioner
Common Toilet	2 x Common Toilet on main Deck & "C" Deck
Dry Storage	2 unit on Bellow Deck
Treatment Room	2 x medical bed on main deck
Radio Room	1 x PA System & 1 x telephone system
CCR	1 x Control Room fitted with 4 x CCTV to monitor winches
Messroom	Max 126 persons c/w tables and chairs
Officer Messroom	Max 20 persons c/w tables and chairs
Office	4 office rooms on C deck
Gymnasium	1 x with Gym equipment
Workshop	1 complete with lathe, grindle, electric saw, etc.
F.O Purifier	1 x 420 litre/hr capacity
Oil Water Separator	1 x 10 m ³ /hr capacity oily discharge 15 ppm, IMO compliance
Cooling / Ventilaton	2 units HVAC 850 Kw
Fresh water system	20m ³ /hr at 60m head, 3 x 1000 ltr tanks
Sea water system	20m ³ /hr at 60m head, 2 x 1000 ltr tanks
Hot Water Clarofier	80 Kw capacity 3 x 1000 Ltr tanks
Compactor Room	Capacity hand 300 men
Changing Room	1 Units x 240 Men c/w Locker

Note :

** All specified equipments are subject to change



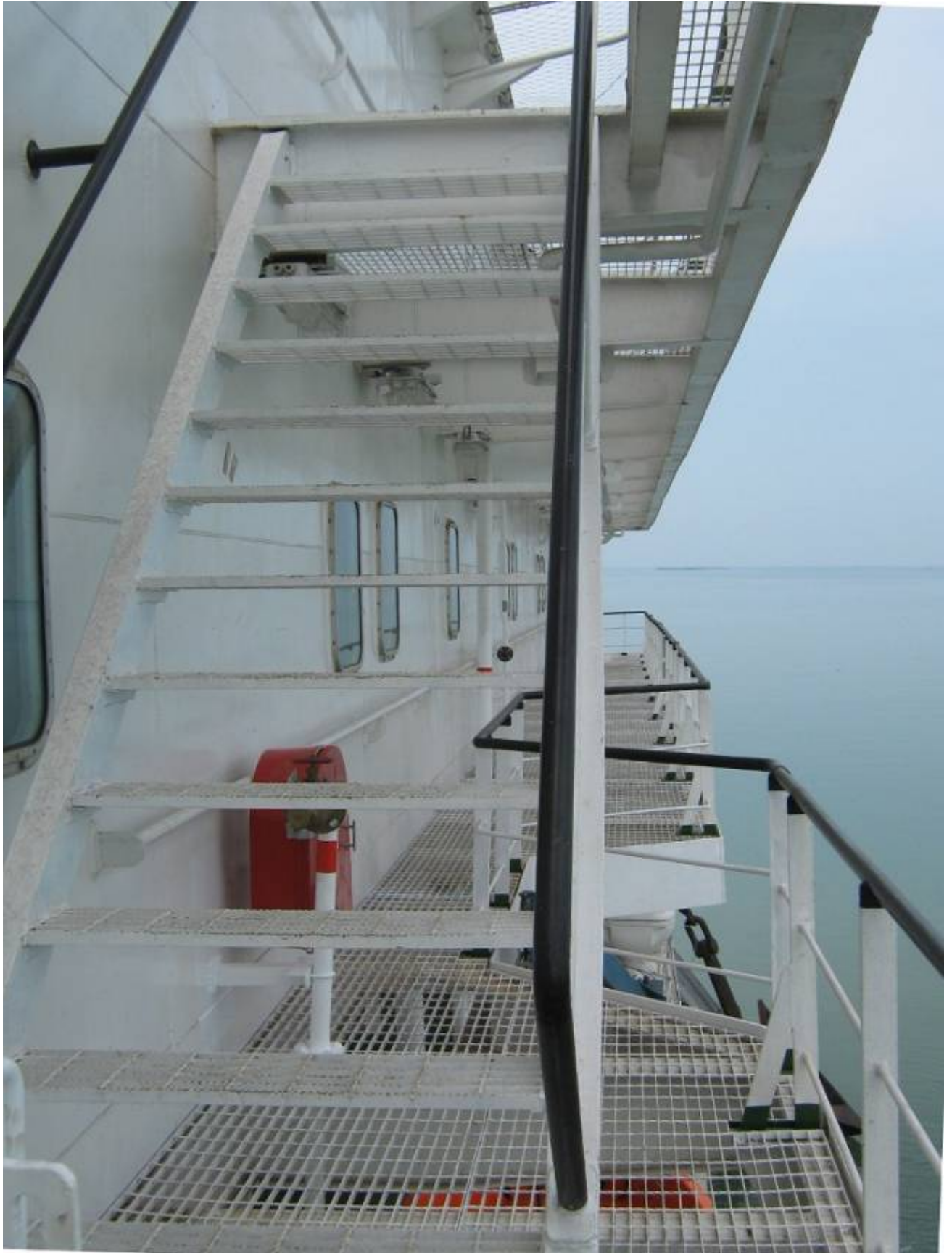
PT. Pelangi Niaga Mitra Internasional

Marine Vessel & Offshore Construction

300 MEN ACCOMMODATION WORK BARGE CLASS A1+ “PELANGI TIRTA MAS”



PASSAGE WAY







4 Men Cabin



2 Men Cabin



1 Men Cabin



Mess Room



Kitchen



Recreation Room



Conference Room



Helicopter Waiting Room



Rescue Boat & Life Raft



Winch Control Room

