

M.V. "CHANTALA"

BRITISH INDIA STEAM NAVIGATION COMPANY LIMITED

HISTORY

- 1949/50 Designed to be a cadet training ship and built by Barclay, Curle and Company, Glasgow. Launched on 27th September 1949 and handed over to B.I. on 4th March 1950.
- 1950 Departed on maiden voyage to Australia, carrying 31 cadets.
- 1954 Number of cadets increased to 39.
- 1959 Ceased carrying 12 passengers, and number of cadets increased to 52.
- 1966 Started to operate as a "cadet training unit", carrying 16 cadets.
- 1971 Sold to Pacific International Lines Limited and renamed Kota Sentosa.

GENERAL

OFFICIAL NUMBER	183198
CODE LETTERS	GQMR
PORT OF REGISTRY	London

TONNAGES

GROSS TONNAGE BRITISH 7551

NET TONNAGE BRITISH 3996

GROSS TONNAGE PANAMA

NET TONNAGE PANAMA

GROSS TONNAGE SUEZ

NET TONNAGE SUEZ

PRINCIPAL DIMENSIONS

LENGTH OVERALL 484' – 6.0"

LENGTH BETWEEN PERPENDICULARS 465' – 5.0"

BREADTH MOULDED 62' - 11.0"

DEPTH MOULDED TO UPPER DECK 31' - 0.0"

SUMMER DRAFT 27' - 2.5"

DESIGN

CONSTRUCTION Riveted Steel

ACCOMMODATION 12 passengers

CAPACITY

GENERAL CARGO		
COMPARTMENT	GRAIN (CUBIC FEET)	BALE (CUBIC FEET)
NO. 1 HOLD	31520	27730
NO. 2 HOLD	78520	72310
NO. 3 HOLD	88780	81440
CARGO OIL TANK PORT	9010	8070
CARGO OIL TANK STARBOARD	8980	8070
NO. 4 HOLD	44440	40280
NO. 5 HOLD	53200	45920
TOTAL HOLDS	314450	283820
NO. 1 MAIN TWEEN DECKS	11880	10590
NO. 2 MAIN TWEEN DECKS	46180	41100
NO. 3 MAIN TWEEN DECKS	38780	34530
SPECIAL CARGO SPACE	2660	2410
M.T.D. SPACE OVER DEEP TANK	12070	10850
NO. 4 HATCH TRUNK	7850	7700
TOTAL MAIN TWEEN DECKS	119420	107180
NO. 1 UPPER TWEEN DECKS	15670	14140
NO. 2 UPPER TWEEN DECKS	30440	27710
NO. 3 HATCH TRUNK	10440	10360
DEEP TANK TRUNK U.T.D.	4170	3980
NO. 4 UPPER TWEEN DECKS	39920	35540
NO. 5 UPPER TWEEN DECKS	15870	14720
TOTAL UPPER TWEEN DECKS	116510	106450
TOTAL GENERAL CARGO	550380	497450

INSULATED CARGO	
COMPARTMENT	CUBIC FEET
NO. 1 REFRIGERATED COMPARTMENT	1750
NO. 2 REFRIGERATED COMPARTMENT	3020
NO. 3 REFRIGERATED COMPARTMENT	1620
NO. 4 REFRIGERATED COMPARTMENT	1620
NO. 5 REFRIGERATED COMPARTMENT	3020
NO. 6 REFRIGERATED COMPARTMENT	1750
TOTAL INSULATED CARGO	12780

TOTAL CARGO CAPACITY	
	CUBIC FEET
GENERAL CARGO	550380
INSULATED CARGO	12780
GRAND TOTAL	563160

FUEL BUNKERS		
COMPARTMENT	CAPACITY IN CUBIC FEET	TONS AT 40 CUBIC FEET PER TON
FUEL BUNKER PORT	4430	110
FUEL BUNKER STARBOARD	5619	140
FUEL BUNKER PORT	5607	140
FUEL BUNKER STARBOARD	4801	120
FUEL BUNKER PORT	1978	49
FUEL BUNKER STARBOARD	5537	138
FUEL SETTling TANK PORT	594	14
FUEL SETTling TANK PORT	594	14
TOTAL FUEL BUNKERS		725

DOUBLE BOTTOMS, PEAKS AND CARGO OIL TANKS					
COMPARTMENT	CAPACITY IN CUBIC FEET	TONS FUEL AT 40 CUBIC FEET PER TON	TONS FRESH WATER AT 35.9 CUBIC FEET PER TON	TONS W.B. AT 35 CUBIC FEET PER TON	TONS CARGO OIL AT 39 CUBIC FEET PER TON
NO. 1 D.B. TANK	2703	-	75	-	-
NO. 2 D.B. TANK PORT	4636	-	129	132	-
NO. 2 D.B. TANK STARBOARD	4686	-	130	133	-
NO. 3 D.B. TANK PORT AND STARBOARD	15545	-	433	444	-
NO. 4 D.B. TANK PORT AND STARBOARD	13225	330	-	377	-
NO. 5 D.B. TANK PORT	3684	92	-	105	-
NO. 5 D.B. TANK STARBOARD	4085	102	-	116	-
NO. 6 D.B. TANK PORT AND STARBOARD	4195	104	-	119	-
NO. 7 D.B. TANK PORT	1694	-	47	48	-
FORE PEAK TANK	2360	-	65	67	-
AFTER PEAK TANK	1876	-	52	53	-
CARGO OIL TANK PORT	9243	-	-	-	237
CARGO OIL TANK STARBOARD	9204	-	-	-	236
TOTAL		628	931	1594	473

TOTAL FUEL	
	TONS AT 40 CUBIC FEET PER TON
FUEL BUNKERS	725
D.B. TANKS	628
GRAND TOTAL	1353

ENGINE

BUILDER	Barclay, Curle and Company
TYPE	2 Cycle – Single Acting [Doxford]
CYLINDERS	6
BORE	670 mm
STROKE	2320 mm
BHP	6800 at 116 RPM
STARTED BY	Compressed Air

AUXILIARY BOILERS

BUILDER	Barclay, Curle and Company
TYPE	2 x Scotch
DIMENSIONS	16' Diameter x 11' - 9" Long
WORKING PRESSURE	120 pounds per square inch
FUEL (PORT BOILER)	Oil and Exhaust Gases
FUEL (PORT BOILER)	Oil

ELECTRICAL INSTALLATION

MAIN GENERATORS	3 x Allen Steam Driven Dynamos
OUTPUT	65 kW – 220 Volts
AUXILIARY GENERATOR	Diesel Oil
OUTPUT	15 kW – 220 Volts
CYLINDERS	3
BHP	30 at 1000 rpm

WIRELESS INSTALLATION

TRANSMITTER

RECEIVERS

DF

AUTO ALARM

GYRO Sperry (Mark 14)

ECHO SOUNDER Marconi Seavisa (Type 841A)

RADAR Marconi

REFRIGERATION

REFRIGERATION MACHINERY	J and E Hall Limited
POWER	2 x Steam Engines
COMPRESSORS	1 x 2 Cylinder
BHP	230
COMPRESSOR BORE	5.75"
COMPRESSOR STROKE	21"
COMPRESSOR RPM	75
CONDENSERS	2 x Multiple Coils in Casing
REFRIGERATING MEDIUM	Brine and Air
LINING	Sheet Steel
INSULATING MEDIUM	Cork Slabs, Granulated Cork and Fibre Glass

DERRICKS

NO.	CAPACITY (TONS)	POSITION
1	30	Foremast, Plumbing No. 2 Hatch
1	20	Mainmast, Plumbing No. 4 Hatch
4	10	
6	8	
6	6	

CARGO WINCHES

NO.	MAKE	TYPE	SIZE
16	Clarke Chapman	Silent Running Steam	7" x 12"

DECK STEAM PIPES

Copper

WINDLASS

MAKE	SIZE
Clarke Chapman	12" x 14"

ANCHORS

POSITION	WEIGHT	SHACKLES (PER CABLE)
Starboard	77 cwt – 3 qtrs – 14 lbs	10
Port	78 cwt – 2 qtrs – 7 lbs	10

WARPING WINCH

MAKE	SIZE
Clarke Chapman	8" x 12"

PROPELLER

DIAMETER	PITCH	TYPE	MATERIAL
17' – 7"	14.13	Four Bladed	Bronze

STEERING GEAR

MAIN	EMERGENCY
Hastie – Steam Hydraulic	Wire Tackles to Warping Winch

PERFORMANCE

TRIALS SPEED	16.94 kts
ECONOMICAL FULL SPEED	14.5 kts

SHIP'S COMPLEMENT

DECK OFFICERS	4
CADET INSTRUCTOR	1
APPRENTICES	31-52
RADIO OFFICER	1
DOCTOR	1
PURSER	1
ENGINEER, ELECTRICAL AND REFRIGERATION OFFICERS	9
OTHER ENGINEERING STAFF	*
BOSUN	1*
CARPENTER	1*
LAMP TRIMMER	1*
COOKS AND STEWARDS	*
SEAMEN	*
TOTAL	127- 148

NOTE:

* The Asian crew, which totalled 78, provided the following:

Deck Serang (Bosun), Lamptrimmer, Carpenter, Electrician, Seamen, Engine Room Serang, all other Engine Room Personnel, Chief Steward (Butler), Stewards, Storekeepers and Cooks for both Europeans and Asians.