

M.V. “CHINDWARA”

BRITISH INDIA STEAM NAVIGATION COMPANY LIMITED

HISTORY

- 1949/50 Designed to be a cadet training ship and built by Swan, Hunter and Wigham Richardson Limited, Newcastle. Launched on 12th May 1949 and handed over to B.I. on 24th January 1950.
- 1950 Departed London on 18th February on maiden voyage to Australia, carrying 31 cadets. Departed London on 14th October for Brisbane, via Aden and the Great Barrier Reef – a voyage to investigate the feasibility of re-opening an earlier UK-Queensland service by B.I.
- 1952 Number of cadets increased to 39.
- 1957 First voyage to East Africa.
- 1959 Ceased carrying 12 passengers, and number of cadets increased to 52.
- 1963 Ceased operating as a cadet training ship.
- 1966 Started to operate as a “cadet training unit”, carrying 16 cadets.
- 1969 Transported 19 giraffes, 28 eland and 7 wildebeests from Mombasa to London for Woburn Wild Kingdom.
- 1971 Ceased operating as a cadet training unit and sold, on 25th April, to Pacific International Lines Limited and renamed Kota Aman.

GENERAL

OFFICIAL NUMBER	183180
CODE LETTERS	GFRT
PORT OF REGISTRY	London

TONNAGES

GROSS TONNAGE BRITISH	7525
NET TONNAGE BRITISH	4092
UNDERDECK	5771

PRINCIPAL DIMENSIONS

LENGTH OVERALL	484' – 6.0"
LENGTH BETWEEN PERPENDICULARS	465' – 1.0"
BREADTH MOULDED	62' – 6.0"
DEPTH MOULDED TO SHELTER DECK	40' – 9.0"
SUMMER DRAFT	27' – 2.25"

DESIGN

CONSTRUCTION	Riveted Steel
ACCOMMODATION	12 passengers.

DRAUGHTS, FREEBOARDS AND DEADWEIGHTS

	DRAUGHTS	FREEBOARDS	DEADWEIGHTS (TONS)
TROPICAL FRESH	28' – 4"	2' – 9.5"	9923
FRESH	27' – 9.25"	3' – 4.25"	9574
TROPICAL	27' – 9"	3' – 4.5"	9923
SUMMER	27' – 2.25"	3' – 11.25"	9574
WINTER	26' – 7.5"	4' – 6"	9225

TONS PER INCH IMMERSION (TPI)

LOADED	55
LIGHT	47

CAPACITY

CAPACITIES OF HOLDS (BALE)

HOLD	SHELTER DECK (CUBIC FEET)	TWEEN DECK (CUBIC FEET)	LOWER HOLD (CUBIC FEET)
1	14,140	10,590	27,730
2	27,710	41,100	72,310
3	10,360	34,530	126,330
4	35,540	7,700	83,520
5	14,720	---	60,640
DEEP TANK	3,980	10,850	16,140

REFRIGERATED SPACES IN NO. 4 TWEEN DECK

SPACE	CAPACITY (CUBIC FEET)	SPACE	CAPACITY (CUBIC FEET)
1	1750	4	1620
2	3020	5	3020
3	1620	6	1750

TANKS (FOREPEAK, DOUBLE BOTTOMS AND AFTERPEAK)

POSITION	CAPACITY (TONS)	USAGE	CONSTRUCTION
Fore Peak	65	Fresh Water	
No.1 D.B.	75	Boiler Feed	
No. 2 D.B.	259	Fresh Water	Divided
No. 3 D.B.	444	Ballast	Divided
No. 4 D.B.	324	Oil	Divided
No. 5 D.B.	194	Oil	Divided
No. 6 D.B.	104	Oil	Divided
No. 7 D.B.	47	Fresh Water	
After Peak	52	Fresh Water	

ENGINE

BUILDER	Swan, Hunter and Wigham Richardson
TYPE	2 Cycle – Single Acting [Doxford]
CYLINDERS	6
BORE	670 mm
STROKE	2320 mm
BHP	6800 at 116 rpm
STARTED BY	Compressed Air
CONSUMPTION	25 tons per day

PERFORMANCE

TRIALS SPEED	16.8 kts
ECONOMICAL FULL SPEED	14 kts

AUXILIARY BOILERS

NO.	TYPE	MAXIMUM WORKING PRESSURE (POUNDS PER SQUARE INCH)
1	4 Furnaces	120
1	2 Furnaces + Exhaust Gas Uptake	120

ELECTRICAL INSTALLATION

MAIN GENERATORS	3
OUTPUT	65 KW 220 V DC

WIRELESS INSTALLATION

TRANSMITTER

RECEIVERS

DF

AUTO ALARM

GYRO	Sperry (Mark 14)
ECHO SOUNDER	Marconi Seavisa (Type 841A)
RADAR	Marconi Radiolocator

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

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.