

Rpt. 9

Date of writing report 9/9/60  
Survey held at Calcutta

Received London

No. of visits 7

Port Calcutta

First date 11/8/60

No. 19724

Last Date 2/9/60

## REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R. B. 81488 Name S.S. "STATE OF WEST BENGAL" Gross tons 7216 Date of build 1944-2  
Owners Eastern Shipping Corpn. Ltd. Managers / Port of Registry Calcutta  
Engines made Mtl By Canadian Allis-Chalmers Ltd. Type T 3 Cy.

No. of Main Engines 1 No. of Screws 1  
No. of Main Boilers 2 WTB W. P. 2501b Spt 2301b  
No. of Aux/Donkey Boilers - W. P. -  
Surveyed Afloat or in dry Dock Both  
Nature of Survey MBS. DKG. Repairs. G.E.  
Was Damage Report issued? / Int. Cert? Yes  
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book	
Hull	Machinery
+100 A1	+LMC
with freeboard	ES - 10/56
10/59	M - 2/59
SS. 10/56	CL - 10/59
	SPS - 10/56

The condition of any of the following items is to be described as "good" only when the part has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination, a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

DOCKING Propellers Good. Wear Down of Stern Bushes 5/32 Oil Glands Sea Connections Good +

Fastenings Good. Has Screwshaft/Tubeshaft been drawn? No. Date of Examination Has Shaft been changed?

Has Shaft now fitted been previously used? Has Shaft now examined/fitted a continuous liner? Approved Oil gland

MAIN ENGINES (Recip. Steam or I.C.) PORT STARBOARD

1 Cyls., Covers, Pistons & Rods

2 Valves & Gears

3 Connecting Rods, Top Ends & Guides { Side  
Centre

4 Crankpins & Bearings { Side  
Centre

5 Journal & Bearings

MAIN ENGINE DRIVEN AIR COMPRESSORS

6 Cyls., Covers, Pistons & Rods

7 Connecting Rods & Top Ends

8 Crankpins & Bearings

9 Journals & Bearings

10 Coolers & Safety Devices

MAIN ENGINE DRIVEN SCAVENGE PUMPS

11 Cyls., Covers, Pistons & Rods

12 Connecting Rods & Top Ends

13 Crankpins & Bearings

14 Journals & Bearings

15 Levers

16 SCAVENGE BLOWERS

17 SUPERCHARGERS

MAIN TURBINES

18 Casings, Rotors, Blading, Bearings & Thrusts

19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

20 STEAM COMPRESSORS

21 CLUTCHES & HYDRAULIC COUPLINGS

22 REDUCTION GEARING

23 THRUST BLOCKS, SHAFTS & BEARINGS

24 INTERMEDIATE SHAFT & BEARINGS

25 HOLDING DOWN BOLTS & CHOCKS

26 CONDENSERS (MAIN & AUX.)

27 STEAM RE-HEATERS

28 DE-SUPERHEATERS

29 STOP & MANŒUVRING VALVES

30 MAIN ENGINE DRIVEN PUMPS

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manœuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel is eligible in my opinion to remain as classed with fresh record of MBS 6,60, subject to the ballast injection and discharge shipside valves being specially examined by the end of September 1961.

Date of Committee

Decision

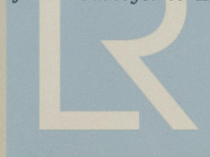
TUESDAY - 4 OCT 1960

As now, subject

MBS 3.60

A. McCOURTS

Engineer Surveyor to Lloyd's Register of Shipping



Lloyd's Register Foundation

003467-003473-0193

YES  
NOW

Has a Survey also been held on Ship?  
If so, is the Report sent now, or when will it be sent?

If certificate is required state where to be sent.

32 Essential Independent Pumps (*Identify by position*)

33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls

34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary ?

35 Fresh Water Coolers 36 Lub. Oil Coolers 37 Heaters (state service)

38 Independent Air Compressors, Coolers & Safety Devices

39 Air Receivers & Safety Devices—Main 40 Auxiliary

41 Oil Fuel Tanks (*Not forming part of hull structure*)

42 Evaporators 43 Have Evaporator Safety Valves been tested under steam ?

44 Steering Machinery 45 Windlass 46 Fire Extinguishing Arrangements

AUXILIARY ENGINES (*Identify by position*)

PROPULSION		ELECTRICAL EQUIPMENT	
		STARBOARD	AUXILIARY EQUIPMENT
a	Generators		l Generators & Governors
b	Exciters		
c	Air Coolers		m Motors
d	Motors		
e	Air Coolers		n Switchboards & Fittings
f	Control Gear, Cables, etc.		o Circuit Breakers
g	Insulation Resistance		p Cables
h	Insulating Oil Test		q Insulation Resistance
i	Overspeed Governors		r Steering Gear Generators & Motors
j	Magnetic Couplings		s Navigation Light Indicators
k	Air Gap		

BOILERS OPENED UP & EXAMINED (*Identify by position and state latest date of internal examination of each boiler*)

MAIN **Starbd** **Good.** AUXILIARY, DONKEY or PRESS

Superheaters **Starbd** **Good.**

Safety Valves **Starbd** **Good.**

Mountings, Doors & Fastenings **Starbd** **Good.**

Safety Valves Adjusted to { Sat. **Starbd** **250 lbs.**

{ Spt. **Starbd** **230 lbs.**

Boiler Securing Arrangements **Starbd** **Good.**

Main Economisers Exhaust Gas Heated Economisers

Steam Heated Steam Generators Steam Generators safety Valves Adjusted to

Were Oil Burning System & Remote Controls Examined working in accordance with Rules ? **Yes.** Forced Circulating Pumps

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules ? Funnel **Good.**

EXAMINATION & TESTING OF STEAM PIPES (*State material*)

Main Auxiliary (over 3 in. bore)

Were Copper Pipes annealed ? Have Saturated Pipes in cylindrical boiler smoke boxes been tested ?

PARTICULARS OF DEFECTS & REPAIRS, ETC. (*Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class*)

**Wear and Tear Repairs.**

All sea connections found wasted at fastening, now renewed.

Auxiliary condenser injection valve chest found wasted now renewed.

S.R.L. Ballast injection and discharge shipside valve chest to be specially examined.

Now Done. Both valve chests removed ashore examined and found wasted, but considered efficient.

It is recommended that the above items be again examined by the end of September 1961. In the meantime considered efficient.

For commencement of MBS Reference Calcutta Report No. 19450.

General Examination. Reference, The Secretary's letter dated 14th June 1960.

Electrical circuits megger tested and found satisfactory.

The vessels Chief Engineer expressed satisfaction with the operation of the main and auxiliary engines.

It is therefore submitted that the owners request for postponement of the Special Survey until April 1961 merits the favourable consideration of the Committee.

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Survey fees Main Boiler Survey. Rs. 480/-

Docking Survey. Rs. 140/-

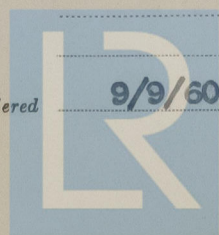
Repairs. Rs. 200/-

General Examn. Rs. 400/-

Damage fees ...

Expenses ... Rs. 40/-

Date when A/c rendered 9/9/60.



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