

REPORT ON ELECTRIC FITTINGS.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Received at London Office 17 FEB 1949

Date of writing Report 22.1.49 When handed in at Local Office

Port of Karachi

No. in Survey held at East Wharf, Karachi Date, First Survey 20.1.49 Last Survey 24.1.49 19
Reg. Book. (Number of Visits 3)

on the Steel screw steamer FRITHA (HMIS Agla)

Tons { Gross 411
Net 239

Built at Calcutta By whom built Hooghly Dock & Eng'g Yard No.

When built 1942

Owners East & West Steamship Co Port belonging to Karachi

Electric Light Installation fitted by the builders Contract No. When fitted

System of Distribution Parallel constant pressure 2 wires

Pressure of supply for Lighting 110 volts, Heating ✓ volts, Power ✓ volts.

Direct or Alternating Current, Lighting D.C. Power ✓

If alternating current system, state frequency of periods per second ✓

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off yes

Generators, do they comply with the requirements regarding overload yes, are they compound wound yes

are they over compounded 5 per cent. ✓, if not compound wound state distance between each generator

Where more than one generator is fitted are they arranged to run in parallel No, is an adjustable regulating resistance fitted in series with each shunt field yes

Are all terminals accessible and clearly marked yes, are they so spaced or shielded that they cannot be accidentally earthed, or short circuited yes Are the lubricating arrangements of the generators as per Rule yes

Position of Generators In Engine Room

is the ventilation in way of the generators satisfactory yes, are they clear of all inflammable material yes

if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the generators ✓ and ✓, are the generators protected from mechanical injury and damage from water, steam or oil yes

are their axis of rotation fore and aft yes

Earthing, are the bedplates and frames of the generating plant efficiently earthed yes are the prime movers and their respective generators in metallic contact yes

Main Switch Boards, where placed In Engine Room

If the generators and main switchboard are not placed in the same compartment, is each generator provided with a fuse on each insulated pole as near as possible to the terminals of the generator, additional to that provided on the main switchboard ✓

Switchboards, are they placed in accessible positions, free from inflammable gases and acid fumes yes

are they protected from mechanical injury and damage from water, steam or oil yes, if situated near unprotected woodwork or other combustible material, state distance of same horizontally from or vertically above the switchboards ✓ and ✓

are they constructed wholly of durable, incombustible non-absorbent materials yes, is all insulation of high dielectric strength and of permanently high insulation resistance yes, if semi-insulating material is used, are all conducting parts connected to one pole

insulated from the slab with mica or micanite and the slab similarly insulated from its framework ✓, and is the frame effectively earthed yes Are the following fittings as per Rule, viz.:— spacing or shielding of live parts

yes, accessibility of all parts yes, absence of fuses on back of board yes, proportion of omnibus bars yes, individual fuses to voltmeter, pilot or earth lamp yes, connections of switches yes

Main Switchgear, description of switchgear for each generator and each outgoing circuit, and arrangement of equalizer switches D. P switches

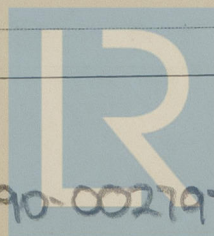
and fuses

Instruments on main switchboard one ammeters one voltmeters ✓ synchronising device for paralleling purposes.

Earth Testing, state what means are provided at the main switchboard for indicating the state of the insulation of the system Earth lamps and switches

Switches, Circuit Breakers and Fusible Cut-outs, do these comply with the requirements of the Rules yes

Section and Distribution Boards, is the construction, protection, insulation, material, and position of these as per rule yes



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Lloyd's Register
Foundation

002790-002797-0151/2

All Conductors are of annealed copper conforming to British Standard Specification No. 7.
The Insulated Conductors are guaranteed to withstand the immersion and resistance tests specified in the Rules.
The foregoing is a correct description.

Electrical Engineers. Date _____

COMPASSES.

Distance between electric generators or motors and standard compass 65 ft.
Distance between electric generators or motors and steering compass 60 ft.

The nearest cables to the compasses are as follows:—

A cable carrying 0.5 Ampères 15 feet from standard compass 5 feet from steering compass.
A cable carrying Ampères feet from standard compass feet from steering compass.
A cable carrying Ampères feet from standard compass feet from steering compass.

Have the compasses been adjusted with and without the electric installation at work at full power. yes

Has the effect of switching on and off circuits, motors and other electro-magnetic apparatus within the vicinity of the compasses been noted. yes

The maximum deviation due to electric currents was found to be degrees on 100 small for measurement course in the case of the standard compass, and degrees on course in the case of the steering compass.

Builder's Signature. Date _____

Is this installation a duplicate of a previous case yes If so, state name of vessel FATIMA

General Remarks (State quality of workmanship, opinions as to class, &c. The materials comply with the requirements of the Rules, workmanship is good and the installation, in my opinion, is eligible for classification

Noted. SM 11/5/49

Total Capacity of Generators 25 Kilowatts

| | | | |
|--------------------------------|-----------|---|-------------------|
| The amount of Fee ... | £ 585-0 : | { | When applied for, |
| | | | 19 |
| Travelling Expenses (if any) £ | ✓ : | { | When received, |
| | | | 19 |

Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 13 MAY 1949

Assigned See minute on F.E. rpt. (m.c.s.)

Im. 8. 2. Transfer. (The Surveyors are requested not to write on or below the space for Committee's Minute.)