

REPORT ON ELECTRICAL EQUIPMENT.

No. 20943

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

Date of writing Report 15/10/1962 When handed in at Local Office 19 Port of CALCUTTA Received at London Office

No. in Survey held at CALCUTTA Date, First Survey 30/8/62 Last Survey 10/9/1962 (No. of Visits 3)

on the "AGNIJOY" Tons Gross Net

Built at CALCUTTA By whom built HOOGHLY DOCKING & ENG. CO. LTD. Yard No. 4142 When built 1962

Owners CALCUTTA PORT COMMISSIONERS Port belonging to CALCUTTA

Installation fitted by HOOGHLY DOCKING & ENGINEERING CO. LTD. When fitted 1962

Is vessel equipped for carrying Petroleum in bulk No Is vessel equipped with D.F. No E.S.D. No Gy.C. No Sub.Sig. No Radar No

Plans, have they been submitted and approved YES System of Distribution TWO WIRE Voltage of Lighting 220

Heating NIL Power 220 D.C. 220 Lighting 220 Power 220 If A.C. state frequency

Prime Movers, has the governing been found as per Rule when full load is thrown on and off YES Are turbine emergency governors fitted with a trip switch YES Generators, are they compound wound YES and level compounded under working conditions YES

Are the generators arranged to run in parallel YES Is the compound winding connected to the negative or positive pole NEGATIVE

Have machines 100 kw. and over been inspected by the Surveyors during manufacture and testing YES Have certificates of test for machines under 100 kw. been supplied and the results found as per Rule YES Position of Generators ENGINE ROOM STARBOARD SIDE

Is the ventilation in way of generators satisfactory YES are they clear of inflammable material and protected from mechanical injury and damage from water, steam and oil YES Switchboards, where are main switchboards placed ENGINE ROOM STARBOARD SIDE

Are they in accessible positions, free from inflammable gases and acid fumes and protected from mechanical injury and damage from water, steam and oil YES what insulation is used for the panels SINDANYO if of synthetic insulating material is it an Approved Type YES if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule YES Is the construction as per Rule, including locking of screws and nuts YES Description of Main Switchgear TWO 120 AMP. AUTOMATIC TRIP POLE AIR CIRCUIT BREAKER WITH OVER LOAD AND REVERSE CURRENT TRIP.

and the switch and fuse gear (or circuit breakers) for each outgoing circuit 30 AMP INSTANTANEOUS TRIPPING AUTOMATIC CIRCUIT BREAKERS.

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule YES Instruments on main switchboard 3 ammeters 2 voltmeters NIL synchronising devices. For compound machines in parallel are the ammeters and reverse current protection devices connected on the pole opposite to the equaliser connection YES Earth Testing, state means provided INDICATING LAMPS AND SWITCH Preference Tripping, state if provided NO and tested

Switches, Circuit Breakers and Fuses, are they as per Rule YES are the fuses an Approved Type YES make of fuses M.E.M. are all fuses labelled YES If circuit breakers are provided for the generators, at what overload do they operate FIVE PER CENT and at what current do the reverse current protective devices operate TEN PER CENT

Cables, are they insulated and protected as per Rule YES if otherwise than as per Rule are they of an Approved Type state maximum fall of pressure between bus bars and any point under maximum load 5 volts. Are all paper insulated and varnished cambric insulated cables sealed at the ends

Are all the cable runs in accessible positions not exposed to drip or accumulation of water or oil, high temperatures or risk of mechanical damage YES are any cables laid under machines or floorplates YES if so, are they adequately protected YES State type of cables (if in conduit this should also be stated) in machinery spaces V.R. LEAD SHEATHED IN CONDUIT, galleys V.R. LEAD SHEATHED IN CONDUIT and laundries NONE State how the cables are supported or protected M.S. CABLE TRAYS.

Are all lead sheaths, armouring and conduits effectually bonded and earthed YES Are all cables passing through decks and watertight bulkheads provided with deck tubes or watertight glands YES where unarmoured cables pass through beams, etc., are the holes effectively bushed YES Refrigerated chambers, are the cables and fittings as per Rule NONE

Are refrigeration fan motors been constructed under survey and test certificates supplied

Are the motors accessible for maintenance at all times



The Electrical Equipment is installed in accordance with the approved plans and the requirements of the Rules.
 All Insulated Conductors are guaranteed to have been tested at the maker's works as specified in the Rules.
 The foregoing is a correct description.

Delta & Fried Electric Co. Electrical Contractors. Date 25. 10. 62

COMPASSES.

Have the compasses been adjusted under working conditions.....

THE HOOGLY DOCKING AND ENGINEERING CO. LTD

[Signature]
 ACTG. GENERAL MANAGER

Builder's Signature.

Date 25. 10. 62

Have the foregoing descriptions and schedules been verified and found correct YES

Is this installation a duplicate of a previous case No If so, state name of vessel -

Plans. Are approved plans forwarded herewith No If not, state date of approval 8/5/61.

Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith NONE.

General Remarks. (State quality of workmanship and materials, opinions as to class, etc.).....

THE ELECTRICAL EQUIPMENT OF THIS VESSEL HAS BEEN INSTALLED UNDER SPECIAL SURVEY AND IN ACCORDANCE WITH THE APPROVED PLANS. THE MATERIAL AND WORKMANSHIP ARE GOOD. ON COMPLETION THE EQUIPMENT WAS EXAMINED UNDER FULL WORKING CONDITIONS, THE GOVERNING AND REGULATING OF THE GENERATOR SETS EXAMINED AND ALL FOUND SATISFACTORY.

THE INSULATION RESISTANCE OF ALL CIRCUITS MEASURED AND FOUND GOOD.

THIS EQUIPMENT IS IN MY OPINION ELIGIBLE TO BE FITTED IN A SHIP CLASSIFIED BY THE SOCIETY.

Total Capacity of Generators 50 Kilowatts.

The amount of Fee ... Rs. 131/- When applied for, 5/11/1962.

Travelling Expenses (if any) Rs. 30/- When received, 19

[Signature]

Surveyor to Lloyd's Register of Shipping.

FRIDAY 21 DEC 1962

Committee's Minute.....

Assigned See Rpt 1

1m.754. Transfer. (MADE AND PRINTED IN ENGLAND) (The Surveyors are requested not to write on or below the space for Committee Minutes.)

SMS
20.11.62