

# REPORT ON ELECTRICAL EQUIPMENT.

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

25 JUL 1949  
Received at London Office.....

Date of writing Report... 5-6-1949 When handed in at Local Office..... Port of Calcutta

No. in Survey held at Vijagapatam Date, First Survey 19-11-48 Last Survey 8-5-1949  
Reg. Book. (Number of Visits... 15)

15862 on the "KUTUBTARI" Tons { Gross 390  
Net 209

Built at Vijagapatam By whom built Sindhia Steam Nav. Co. Ltd. Yard No. VC 109 When built 1949

Owners Sindhia Steam Nav. Co. Ltd. Port belonging to Calcutta

Electrical Installation fitted by Sindhia Steam Nav. Co. Ltd. Contract No. When fitted 1949

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

Have plans been submitted and approved Yes System of Distribution 2 conductors constant voltage Voltage of supply for Lighting 110v.

Heating Power Direct or Alternating Current, Lighting DC Power If Alternating Current state frequency Prime Movers,

has the governing been tested and found efficient when the whole load is suddenly thrown on and off Yes Are turbine emergency governors fitted with a

trip switch as per Rule Generators, are they compound wound Yes, are they level compounded under working conditions

if not compound wound state distance between generators and from switchboard Where more than one generator is fitted are they

arranged to run in parallel No, are shunt field regulators provided Yes Is the compound winding connected to the negative or positive pole

Positive Have machines over 100 kw. been inspected by the Surveyors during manufacture and testing Have certificates of

test for machines under 100 kw. been supplied and the results found as per rule Are the lubricating arrangements and the construction

of the generators as per rule Yes Position of Generators Starboard side manoeuvring platform in E.R.

is the ventilation in way of generators satisfactory Yes are they clear of inflammable material Yes, if situated

near unprotected combustible material state distance from same horizontally and vertically are the generators protected from mechanical

injury and damage from water, steam and oil Yes, are the bedplates and frames earthed Yes and the prime movers and generators in metallic

contact Yes Switchboards, where are main switchboards placed Starboard side manoeuvring platform in E.R.

are they in accessible positions, free from inflammable gases and acid fumes Yes, are they protected from mechanical injury and damage from water, steam

and oil Yes, if situated near unprotected combustible material state distance from same horizontally and vertically, what insulation

material is used for the panels Syndanio, 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 Is the frame effectually earthed Yes

Is the construction as per Rule Yes, including accessibility of parts Yes, absence of fuses on the back of the board Yes, individual fuses

to pilot and earth lamps, voltmeters, etc. Yes locking of screws and nuts Yes, labeling of apparatus and fuses Yes, fuses on the "dead"

side of switches Yes Description of Main Switchgear for each generator and arrangement of equaliser switches One D.P. single

throw knife switch one set of fuses

and for each outgoing circuit One D.P. double throw (c/o) knife switch and two fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule Instruments on main switchboard 2

ammeters 2 voltmeters synchronising devices For compound machines in parallel is the ammeter connected on the pole opposite to the

equaliser connection Earth Testing, state means provided Earth lamp circuits on main board





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.

The Scindia Steam Navigation Co.

*J. R. Campbell*  
Chief Shipyard Manager

Electrical Engineers.

Date *27/8/49*

COMPASSES.

Minimum distance between electric generators or motors and standard compass..... ✓

Minimum distance between electric generators or motors and steering compass..... *29 ft.*

The nearest cables to the compasses are as follows:—

A cable carrying *out* Ampères *✓* feet from standard compass *29* 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 *✓* 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..... *no* If so, state name of vessel..... *✓*

General Remarks (State quality of workmanship, whether insulation tests, etc., have been made, opinions as to class, etc.).....

*This Electrical Equipment has been installed in accordance with the approved plans and the requirements of the Rules.*

*The workmanship is of high standard and has been maintained throughout.*

*On completion of the installation an insulation test in accordance with Rule Requirements was carried out with satisfactory results.*

*The installation has been examined under full working conditions and the governing arrangements of both frame motors tested with satisfactory results.*

*It is submitted that this installation be classed in the Register Book in accordance with the machinery class recommended.*

Total Capacity of Generators..... *15. ✓* Kilowatts.

*Noted sent 11/8/49*

The amount of Fee ... ..	<i>630/- Rs.</i>	When applied for,	.....19.....
Travelling Expenses (if any) £	:	When received,	.....19.....

*F. E. Rutland*  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute..... *FRI. 12 AUG 1949*

Assigned..... *See P.E. memo, rpt.*

2m.10.33.—Transfer. (MADE IN ENGLAND.)  
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

*gpc*



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