

REPORT ON ELECTRICAL EQUIPMENT

(OTHER THAN FOR THE PROPULSION OF THE VESSEL)

23 MAR 1964

Received at London Office

Date of writing Report 4.3.1964 When handed in at Local Office 19 Port of Hamburg

No. in Survey held at Elmshorn Date, First Survey 17.12.63 Last Survey 17.1.1964
Reg. Book (No. of Visits)on the "JWTA MEGHNA" Tons { Gross
Net

Built at Elmshorn By whom built Messrs. Kremer Sohn Yard No. 1102 When built 64.2

Owners Inland Water Transport Authority East Pakistan Port belonging to Narayanganj

Installation fitted by Messrs. Gebr. Meyn, Elmshorn When fitted 1964

Is vessel equipped for carrying Petroleum in bulk - Is vessel equipped with D.F. - E.S.D. - Gy.C. - Sub.Sig. - Radar -

Plans, have they been submitted and approved yes System of Distribution two wire insulated Voltage of Lighting 110

Heating - Power 110 D.C. or A.C. Lighting DC Power DC 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 - Generators, are they compound wound yes, and level compounded under working conditions -

Are the generators arranged to run in parallel no Is the compound winding connected to the negative or positive pole -

Have machines 100 kw. and over 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 yes Position of Generators port and stbd. ER platform

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 aft. ER bulkhead

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 dead front construction, if of synthetic insulating material is it an Approved Type -, if of semi-insulating material (slate or marble) are all conducting parts insulated therefrom as per Rule - Is the construction as per Rule, including locking of screws and nuts yes Description of Main Switchgear for each generator and arrangement of equaliser switches double pole switches and fuses, for generators double pole change-over switches

and the switch and fuse gear (or circuit breakers) for each outgoing circuit double pole switches and fuses

Are compartments containing switchboards composed of fire-resisting material or lined as per Rule yes Instruments on main switchboard 3
ammeters 3 voltmeters - synchronising devices. For compound machines in parallel are the ammeters and reverse current protection devices connected on the pole opposite to the equaliser connection Earth Testing, state means provided ohmmeter and earth lamps Preference Tripping, state if provided -, and tested -Switches, Circuit Breakers and Fuses, are they as per Rule yes, are the fuses an Approved Type yes
make of fuses Siemens, are all fuses labelled yes If circuit breakers are provided for the generators, at what overload do they operate -, and at what current do the reverse current protective devices operate - Cables, are they insulated and protected as per Rule yes

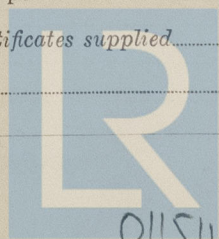
if otherwise than as per Rule are they of an Approved Type -, state maximum fall of pressure between bus bars and any point under maximum load less than 60 lbs. Are all paper insulated and varnished cambric insulated cables sealed at the ends yes

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 no, if so, are they adequately protected State type of cables (if in conduit this should also be stated) in machinery spaces LC-metal braided MK, galleys LC-metal braided MK and laundries - State how the cables are supported or protected suitable clipped to metal trays, supports, framework, structure or wood grounds and protected by pipes or plates as necessary.

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 -

Have refrigeration fan motors been constructed under survey - and test certificates supplied -

Are the motors accessible for maintenance at all times -



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Insulation Tests, has the insulation resistance of all circuits and apparatus been tested and found satisfactory. yes

DESCRIPTION OF GENERATOR	No. of	MAKER	RATED AT				PRIME MOVER	
			Kw. per Generator	Volts	Amps.	Revs. per Min.	TYPE	MAKER
MAIN ...	1	Kaiser, Berlin	12	115	104	1500	oil engine	Deutz AG
	1	Kaiser, Berlin	12	115	104	1500	oil engine	Deutz AG
EMERGENCY ... ROTARY TRANSFORMER								

[illegible]

DESCRIPTION									
<u>Main switchboard to distr. boards</u>									
Accommodation lighting	1	10	30	41	29	rubber	LC-metal	braided	MK
Wheelhouse lighting	1	6	20	30	26.5	rubber	LC-metal	braided	MK
Navigation lamps	1	1.5	4	12	27.5	rubber	LC-metal	braided	MK
Distr. board wheelhouse to nav. lamps	1	1.5	4	12	10	rubber	LC-metal	braided	MK
Lighting ER port side	1	1.5	6	12	30	rubber	LC-metal	braided	MK
Lighting ER stbd. side	1	1.5	6	12	30	rubber	LC-metal	braided	MK
Lighting ER casing	1	1.5	4	12	20	rubber	LC-metal	braided	MK

ALL IMPORTANT MOTORS TO BE ENUMERATED	No.	B.H.P.	mm ²						
Fan battery room	1	0.13	1	1.5	1.3	12	20	rubber	LC-metal braided MK
ER Fan	2	0.3	1	1.5	2.9	17	28.5	butyl	LC-metal braided MKH
OF transfer pump	1	0.5	1	1.5	4.9	17	36	butyl	LC-metal braided MKH
FW sanitary pump	1	1.0	1	1.5	8.8	12	20.5	rubber	LC-metal braided MK
SW sanitary pump	1	1.0	1	1.5	8.8	12	22.5	rubber	LC-metal braided MK
Galley-burner	1	-	1	1.5	0.2	12	21.0	rubber	LC-metal braided MK

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.

Gebr. Meyn

Electrical Contractors.

Date 12.4.64

COMPASSES

Have the compasses been adjusted under working conditions.

D. W. Kremer Sohn
Schiffswerft
Elmshorn

Builder's Signature.

Date 12/4/64

Have the foregoing descriptions and schedules been verified and found correct yes
Is this installation a duplicate of a previous case yes If so, state name of vessel Yard Nos. 1100 - 1161
Plans. Are approved plans forwarded herewith yes If not, state date of approval 12.11.62
Certificates. Are certificates of test for motors engaged on essential sea services and generators forwarded herewith yes
General Remarks. (State quality of workmanship and materials, opinions as to class, etc.)

The electrical equipment of this ship has been installed under special survey in accordance with the approved plans and the Secretary's letters.

The material and workmanship are good.

On completion the equipment has been tried under working conditions and found satisfactory. The electrical equipment is, in my opinion, suitable for a ship classed with the Society.

Total Capacity of Generators 24 Kilowatts.

The amount of Fee ... £ 47.0.0 : When applied for,

19.

When received,

19.

Travelling Expenses (if any) £ 4.0.0 :

Surveyor to Lloyd's Register of Shipping

Committee's Minute

MONDAY 27 APR 1964

Assigned

See Rpt 1



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