

BAUER WACH INSTALLATION.CONTRACT NO: B.W.51/666.

The above contract comprises the supplying for a twin screw vessel, of two Bauer Wach Exhaust Steam Turbine Installations as follows to the order of The Scindia Steamships (London) Ltd:

The turbine and gearing will be constructed by Messrs. Barclay, Curle & Co: Ltd: Whiteinch, and will be fitted on board by them.

The reciprocating engines are of the following dimensions:-

2 @ $20'' \times \frac{31\frac{1}{2}''}{36''} \times 53''$

Boiler Pressure 220 lbs./sq.in.

200° F. Superheat.

For each set the division of Power between reciprocating engine and turbine will be:-

Reciprocating Engine	1810	I.H.P.
Turbine	<u>850</u>	"
	2660	"
	====	

This total power of 2660 I.H.P. will be developed at 130 R.P.M., the corresponding turbine revolutions being about 4150 per minute.

Particulars of Gearing:-

	<u>1st Reduction</u>		<u>2nd Reduction</u>	
	<u>Pinion</u>	<u>Wheel</u>	<u>Pinion</u>	<u>Wheel</u>
Dia: of Bearing.	100	220	220	400
Centres of Bearings.	435	560	705	830
Pitch Circle Dia:	8.5697"	46.4908"	11.998"	68.2745"
No: of Teeth	40	217	42	239
Width of Teeth	190	190	440	440
Dia: over Teeth	8.9407"	46.8618"	12.495"	68.7715"
Dia: at Bottom of Teeth.	7.9931"	45.9142"	11.2256"	67.5021"
Shroud Dia: (Inside).	- -	1084	- -	1655

Dia: of Intermediate Shaft	11"
" " Thrust	11½"
" " " Collar.	585
Thickness" " "	80

All the dimensions are in millimetres unless otherwise marked.

A Vulcan Hydraulic Coupling is incorporated between the 1st and 2nd Reduction Gears.



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Foundation



REGISTRATION DATA
 The following particulars are submitted in accordance with the Act and the
 Regulations thereunder and are to be entered in the Register of the said Act.

Particulars	Quantity	Weight	Value	Quantity	Weight	Value
Engines	1	1000	1000	1	1000	1000
Boilers	1	1000	1000	1	1000	1000
Condensers	1	1000	1000	1	1000	1000
Water pumps	1	1000	1000	1	1000	1000
Oil pumps	1	1000	1000	1	1000	1000
Exhaust pipes	1	1000	1000	1	1000	1000
Other parts	1	1000	1000	1	1000	1000

Particulars of design:-
 The design of the engine is as follows:-
 The engine is a vertical steam engine of the following dimensions:-

Particulars	Quantity	Weight	Value
Engines	1	1000	1000
Boilers	1	1000	1000
Condensers	1	1000	1000
Water pumps	1	1000	1000
Oil pumps	1	1000	1000
Exhaust pipes	1	1000	1000
Other parts	1	1000	1000

The following particulars are submitted in accordance with the Act and the
 Regulations thereunder and are to be entered in the Register of the said Act.
 The design of the engine is as follows:-
 The engine is a vertical steam engine of the following dimensions:-

REGISTRATION NO: B.N.B. 1000
 VALUE EACH INSTALLATION

