

T.S.S. "RAZMAK".

BAUER-WACH INSTALLATION - CONTRACT No. B.W.28.

The above contract comprises supplying a Bauer-Wach Turbine Installation as follows to Messrs. R. & H. Silley Weir, Ltd., 130-132 Leadenhall Street, E.C.3.

The turbines and gearing will be constructed by Messrs. Beardmore & Co. Ltd., Dalmuir, and will be fitted on Messrs. Green and Silley Weir.

The existing reciprocating engines are of the following  
ons:-

30½" x 44" x 63" x 89"  
54" stroke.

80 SEP. 1930

WILLIAM BEARDMORE & CO. LTD.

Boiler Pressure 215 lbs. per square inch.

Intermediate Shafting 16½" diameter.

The combined I.H.P. per shaft will be 6,500 at 98 R.P.M.

The division of Power between the reciprocating engine  
ine will be :-

Reciprocating Engine - 4,600 I.H.P.

Turbine - 1,900 "

Provision will be made on the H.P. Engine to prevent  
imum combined power exceeding that allowed on the  
registry rule.

Details of Gearing:

er Revolutions - 98 per minute.  
" - 2,800 " "

	<u>1st Reduction.</u>		<u>2nd Reduction.</u>	
	<u>Pinion.</u>	<u>Wheel.</u>	<u>Pinion.</u>	<u>Wheel.</u>
Bearings.	200 mm.	300 & 230 mm.	405 mm.	550 mm.
of Bearings	675 mm.	1090 mm.	1010 mm.	1220 mm.
Circle Dia.	11.355"	66.629"	19.997"	93.128"
ooth.	53	311	70	326
Teeth.	330	330	680	680
Teeth.	11.726"	67"	20.494"	93.625"
Diameter.	-	1614 mm.	-	2268"

A Hydraulic Coupling of the Beardmore-Vulcan type will  
ed between the 1st Reduction and 2nd Reduction Gear.

Thrust Shaft Diameter - 438 m/m.

" " Collar 860 mm. x 120 mm. thick.

Lloyd's Register  
Foundation

Reinslate +100H/ Nuth Treboard