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Lloyd's Register of Shipping,

71, Fenchurch Street, E.C. 3.

Your Ref:- Engine Dept.
J. McC/101.

7th October, 1930.

Dear Sirs,

I was duly favoured with your letter of the 30th ultimo, enclosing particulars of the Bauer Wach Exhaust Turbine Installation proposed for the s.s. "RAZMAK", and have to acquaint you that with steam reciprocating engines for open sea service having cylinders 30½" x 44" x 63" x 89" by 54" stroke, working pressure 215 lb. per sq. inch, combined with an exhaust steam turbine on the Bauer Wach System, the reciprocating engines having an I.H.P. of 4,600 and the exhaust steam turbine an equivalent I.H.P. of 1,900 at the primary pinion, and the revolutions per minute of the intermediate shaft 98 when the reciprocating engines and turbines are working in conjunction, the following existing sizes of straight shafting will be approved, viz:-

Intermediate shaft diameter.....	16½"
Screwshaft (fitted with C.L. and propeller diameter 17'-6").....	17½"

The following sizes of thrust and gear shafts will also be approved, viz:-

Thrust shaft.....	438 mm.
Thickness of thrust shaft collar.....	120 mm.
1st reduction pinion at bearing.....	200 mm.
1st reduction wheel at bearing.....	300 & 230 mm.
2nd reduction pinion at bearing.....	405 mm.
2nd reduction wheel at bearing.....	550 mm.

reduction wheel shafts and the 2nd reduction pinion shaft, if

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I shall be obliged if you will kindly forward particulars of the internal diameters at the bearings of the 1st and 2nd reduction wheel shafts and the 2nd reduction pinion shaft, if these are being made hollow.

I am, Dear Sirs,

Dear Sir, Yours faithfully,

I send herewith for the information of the Surveyors, a copy of a letter which has been addressed to Messrs. Wm. Beardmore & Co. Ltd. respecting the Bauer Wack Naval Construction Works, installed at Dalmuir, Dumbartonshire, and shall be obliged if the Surveyors will be guided accordingly.

I am, Dear Sir,

Yours faithfully,

Secretary.

The Secretary,

GLASGOW.

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reduction wheel shafts and the 2nd reduction pinion shaft, if these are being made hollow.