

I.P. AHEAD & H.P. ASTERN ROTOR SHAFT.

AFT PORTION.

I.P. ROTOR DRUM.

I.P. AHEAD & H.P. ASTERN ROTOR SHAFT.

FOR^D PORTION.

H.P. ASTERN IMPULSE WHEEL

MARK	DESCRIPTION	NO OF	MATERIAL	TENSILE STRENGTH	ELONGATION	BENDING	REMARKS
E.V.	I.P. AHEAD. x H.P. ASTERN. ROTOR SHAFT. AFT PORTION.	2	FORGED STEEL.	34 - 38 TONS.	23 %	180°	
D.V.	" " " " " " FOR ² " "	2	" "	" " "	" "	" "	
A.V.	I.P. AHEAD. ROTOR DRUM.	2	" "	31 - 35 "	26 %	" "	
L.Y.	H.P. ASTERN IMPULSE WHEEL.	2	" "	" "	" "	" "	

AND $\frac{1}{4}$ " ON ALL DIAMETERS EXCEPT WHERE MARKED IN BLUE, WHICH PARTS ARE TO BE FINISHED MACHINED TO DIMENSIONS GIVEN.

OUTSIDE & INSIDE DIAMETERS TO BE PERFECTLY CONCENTRIC.

FORGINGS TO BE ANNEALED BEFORE ROUGH MACHINING

AFTER ROUGH MACHINING THE SHAFTS ARE TO BE RE-ANNEALED AT MAKERS WORKS AT A TEMPERATURE

NOT EXCEEDING 800° FAH.
ALL PARTS TO BE PERFECTLY SMOOTH & FREE FROM FLAWS & DEFECTS WHEN FINISHED MACHINED BY MESSRS VICKERS LTD BARROW

I. P. AHEAD & H. P. ASTERN ROTOR DETAILS.

DRAWING N° 598 / IIB.G.

TURBINES "A" N° 598.

Messrs Pickens & Co. No 598

Turbine & Gearing Works

J. L. L. Orama

Barrow Report No 2091

W348-0040



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