

CENTRAL INTELLIGENCE AGENCY
INFORMATION FROM
FOREIGN DOCUMENTS OR RADIO BROADCASTS

CD NO.

DATE OF INFORMATION 1953

DATE DIST. 13 Apr 1954

NO. OF PAGES 3

SUPPLEMENT TO
REPORT NO.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF TITLE 18, SECTIONS 793 AND 794, OF THE U.S. CODE, AS AMENDED. ITS TRANSMISSION OR REVELATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. THE REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

SOURCE As indicated

USSR PRODUCTION OF TURBINES, POWER UNITS, AND BOILERS

TO INCREASE TURBINE PRODUCTION -- Petrozavodsk, Leninskoye Znamya, 22 Sep 53

In 1955, the four largest boiler and turbine plants in the USSR -- the Leningrad Metal Plant imeni Stalin, the Khar'kov Turbogenerator Plant imeni Kirov, the Taganrog Krasnyy Kotel'shchik Plant and the Podol'sk Plant imeni Ordzhonikidze -- are to turn out 2.3 times their 1950 production of steam turbines and 7.8 times their 1950 production of hydroturbines.

TURBINES COMPLETED FOR KOLKHOZ, INTERKOLKHOZ USE -- Moscow, Trud, 4 Oct 53

The Riga Turbine Machinery Plant has just completed the assembly of a hydroturbine destined for kolkhoz use. In October, the plant will produce one more such turbine. Workers have pledged completion of one above-plan turbine in honor of the anniversary of the October Revolution. This turbine will be installed at the Michurinsk Interkolkhoz Hydroelectric Station in Krasnodarskiy Kray.

TURBINE SHAFT AND STATOR COMPLETED FOR GES -- Moscow, Moskovskaya Pravda,
19 Aug 53

The Novo-Kramatorsk Machine Building Plant imeni Stalin has finished forging the first shaft for turbines of the Kuybyshevskaya GES. Five tons of metal were saved by decreasing the allowance on the forging. Capitalizing on the experience acquired in making similar parts, the forge shop reduced the production time of the shaft by 10 hours.

- 1 -

CONFIDENTIAL

DISTRIBUTION

[illegible]

CONFIDENTIAL

50X1-HUM

Leningradskaya Pravda, 30 Aug 53

The Novo-Kramatorsk Machine Building Plant imeni Stalin has completed its first stator for the turbines of the Kuybyshevskaya GES. The 207-ton unit consists of 16 sectors and 8 columns 4.5 meters high, all of which were cast separately and welded together by a new process.

After heat treatment, the stator will be sent to the Leningrad Metal Plant imeni Stalin.

NEW EQUIPMENT INSTALLED -- Vil'nyus, Sovetskaya Litva, 8 Oct 53

The Kaunas Pergale Plant is increasing its tempo of installing new equipment received from sister republics. Radial drilling, horizontal drilling, and plano-milling machines are among the plant's new acquisitions. These machines will process parts for some new turbines, more powerful than those previously produced by the plant.

EXPERIMENTAL TURBINE COMPLETED -- Leningradskaya Pravda, 20 Aug 53

The Leningrad Experimental Plant of the Central Scientific Research Institute of the Boiler and Turbine Industry has completed an experimental gas turbine, the MGT-2, 2 months ahead of plan. It is designed so that the working parts may be observed during operation. This should greatly facilitate the choice of the best type of blade, an important factor in the turbine's efficiency.

LOCOMOBILES SHIPPED TO KOLKHOZES -- Petrozavodsk, Leninskoye Znamya, 9 Oct 53

The Kherson Locomobile Plant is daily shipping dozens of P-38 locomobiles to various parts of the country. This machine makes possible the complete mechanization and electrification of livestock farms on kolkhozes.

The shop where boilers, combustion chambers, and other parts of the locomobile are produced on a constant-flow basis is being re-equipped. This should raise output considerably.

The plant has constructed an experimental model of a unit designed to supply steam for heating purposes and to generate electricity at MTS and sovkhozes.

POWER PLANTS BEING PRODUCED FOR KOLKHOZES -- Moscow, Izvestiya, 11 Oct 53

The Perovo Machinery Plant of the Ministry of Agriculture and Procurement USSR has begun production of LPU-1 steam power plants for livestock kolkhoz use. This installation was developed by the All-Union Scientific Research Institute for the Mechanization of Agriculture.

The LPU-1 consists of a water-tube boiler and a high-speed one-cylinder steam engine and generator, mounted together. The boiler can utilize various solid fuels including firewood. In one shift the plant generates 200-250 kilowatt-hours of electricity and up to 2,500 kilograms of steam. It also heats 1,000-1,200 liters of water per hour. Simple in construction, the installation can be operated and serviced by one mechanic.

- 2 -

CONFIDENTIAL

CONFIDENTIAL

50X1-HUM

Last year an experimental model of the plant was installed at a livestock kolkhoz in the Moscow area. On the basis of its performance there, the power plant has been accepted for series production.

PRODUCTION OF MEDIUM BOILERS PLANNED -- Vil'nyus, Sovetskaya Litva, 18 Sep 53

The Taganrog Krasnyy Kotel'shchik Plant has completed preparations for producing a series of unified boilers of medium productivity, for use at city and industrial electric power plants. They are designed to burn coal, peat, wood or mazut.

NEW FEED-WATER PUMP TESTED -- Riga, Sovetskaya Latvija, 3 Sep 53

The Leningrad Metal Plant imeni Stalin has finished testing a highly efficient feed-water pump. It will supply water to the boiler of a steam turbine of 150,000 kilowatts' capacity, which is manufactured by the same plant.

- E N D -

50X1-HUM

- 3 -

CONFIDENTIAL