

No. of Bldg.	Name of Bldg.
1	No.1 Machine Shop
2	Finishing Shop
3	No.2 Machine Shop
4	Plate Work Shop
5	Resting Shop
6	Foundry Shop
7	Pattern Work Shop
8	Store House and Sawing Shop
9	Electric Substation
10	Boiler Room
11	Main Office
12	Office for Shops
13	Store House
14	Garage
15	Dispensary
16	Gards' Room
17	Store House
18	Dining Hall
19	Bath House
20	Boiler Room
21	Store House for Oil
22	Store House for Paper
23	Steel Bar Yard
24	Inspecting House
25	Tool Room
26	Forging Shop
27	Scrap Yard
28	Office for Foundry Shop
29	Store House

THE EBARA MFG.CO.,LTD.  
TOYAMA PLANT

LIST OF MACHINERY AND EQUIPMENT AUGMENTED AFTER SURRENDER

<u>NO. OF MACHINE</u>	<u>NAME OF MACHINE</u>	<u>SIZE</u>	<u>NO. OF FREIGHT CAR</u>	<u>DATE OF ARRIVAL</u>	<u>REF NO.</u>
1 (93)	Vertical Turret Lathe	850mm	roto-15369	Mar. 14, 1946	1
2 (94)	"	"	tora-11588	Mar. 15, 1946	2
3 (236)	Horizontal Lathe	12'	to-6070	Nov. 18, 1946	3
4 (237)	"	"	tomu-12058	Nov. 15, 1946	4
5 (238)	"	"	"	"	5
6 (239)	"	8'	tomu-343	Nov. 19, 1946	6
7 (240)	"	6'	"	"	7
8 (500)	Tool Grinder	8"	"	"	8
9 (545)	"	14"	"	"	9
10 (546)	"	"	"	"	10
11 (95)	Vertical Turret Lathe	850mm	tomu-5860	Mar. 22, 1946	11
12 (241)	Radial Drilling Machine	1.5 m	tomu-51922	Dec. 22, 1946	12
13 (528)	Cranes	10 tons	tora-42033	Aug. 28, 1945	13
14 (532)	"	2 "	"	"	"
15 (554)	Jib Crane	$\frac{1}{2}$ "	"	"	"
16 (555)	"	"	"	"	"
17 (556)	"	"	"	"	"
18 (557)	"	"	"	"	"
19 (558)	"	"	"	"	"
20 (559)	"	"	"	"	"
21 (560)	"	"	"	"	"
22 (561)	"	"	"	"	"

775013

<u>NO. OF MACHINE</u>	<u>NAME OF MACHINE</u>	<u>SIZE</u>	<u>NO. OF FREIGHT CAR</u>	<u>DATE OF ARRIVAL</u>	<u>REF. NO.</u>
23 (562)	Jib Crane	½ tons	tora-42033	Aug. 28, 1945	13
24 (563)	"	"	"	"	"
25 (564)	"	"	"	"	"
26 (529)	Cranes	5 tons	chiki-3088	Nov. 26, 1945	14
27 (530)	"	"	"	"	"
28 (551)	Plunger pumps	1 HP	tora-43127	Nov. 29, 1945	15

.....  
 TOTAL.. .....28 IN UNITS

NOTE:

The reference number corresponds to each item in the station masters' certificates under separate cover.

TRANSLATIONAPPLICATION FOR CERTIFICATION

DATE: Feb. 19, 1947

TO: Terada Station Master, Toyama Local Railway.

FROM: Teinosuke Ando, Manager of the Toyama plant,  
Ebara Mfg. Co., Ltd.

Concerning the inventory sheets of machinery and equipment in our plant to be submitted to the Toyama Military Government Team, we beg to ask you to certificate the following items to be true.

Ref. no.	Name of Goods	No. of Freight car	Station despatched	Station arrived	Date of arrival	Consignor	Consignee
1	Machine tools	reto-15369	Osaki	Terada	Mar. 14, 1946	Kawasaki Plant of Ebara	Toyama Plant of Ebara
2	Casting parts & Machine tools	tora-11588	"	"	Mar. 15, 1946	"	"
3	Machine tools	to-6070	Shinano Yosida	"	Nov. 18, 1946	Nagano Plant	"
4	"	tomu-12058	"	"	Nov. 15, 1946	"	"
5	"	"	"	"	"	"	"
6	"	tomu-343	"	"	Nov. 19, 1946	"	"
7	"	"	"	"	"	"	"
8	Tool Grinder	"	"	"	"	"	"
9	"	"	"	"	"	"	"
10	"	"	"	"	"	"	"
11	Machine tool & Casting parts	tomu-5860	Osaki	"	Mar. 22, 1946	Kawasaki Plant	"
12	Machine tools	tomu-51922	Shinano Yoshida	"	Dec. 22, 1946	Nagano Plant	"

This is to certify that each item described above  
is true to the best of my knowledge.

Feb. 19, 1947

Terada Station Master,

Toyama Local Railway. (sealed)

TRANSLATIONAPPLICATION FOR CERTIFICATION

DATE: Feb. 20, 1947.

TO: Toyama Station Master, National Railway.

FROM: Teinosuke Ando, Manager of the Toyama Plant,  
Ebara Mfg. Co., Ltd.

Concerning the inventory sheets of machinery and equipment in our plant to be submitted to the Toyama Military Government Team, we beg to ask you to certificate the following items to be true.

Ref. No.	Name of Goods	No. of Freight	Station despat	Station arrived	Date of arrival	Consignor	Consignee
13	Dispersed articles	tora-42033	Osaki	Toyama	Aug. 28, 1945	Osaki forwarding agency of Ebara Mfg. Co., Ltd.	Toyama Plant of Ebara
14	Cranes	chiki-3088	"	"	Nov. 26, 1945	"	"
15	Casting parts of pumps	tora-43127	"	"	Nov. 29, 1945	"	"

Feb. 20, 1947

I hereby certify that each item described above is true to the best of my knowledge.

Toyama Station Master,  
National Railway. (sealed)

## OUTLINE HISTORY OF THE PLANT

Date: 21 Dec. 1946

SUBJECT: Report on the Outline History of the Toyama Plant,  
Ebara Mfg. Co., Ltd.

TO: Toyama Military Government Team.

FROM: Toyama Plant, Ebara Mfg. Co., Ltd.  
(Kabushikikaisha Ebara Seisakusho)

## 1. General Aspect:

- |                                     |                                    |
|-------------------------------------|------------------------------------|
| a. Name of the Plant:               | Toyama Plant, Ebara Mfg. Co., Ltd. |
| b. Location:                        | 200, Mukai-Shinjo, Toyama City.    |
| c. Plant Manager:                   | Teinosuke Ando, Director.          |
| d. Site of the Plant:               | 45,870 Sq. Meters.                 |
| e. Building Area:                   | 9,351 "                            |
| f. Number of Machine Tools on hand: | 240                                |

## 2. Outline History:

- |  |           |
|--|-----------|
| a. Establishment of the Plant:               | Dec. 1939 |
| b. Commencement of the Plant's Operation:    | Dec. 1939 |
| c. Changes on the enterprises for the Plant: |           |

## (1) From Dec. 1939 to June, 1941

Proprietor: the Usui Precision Tools Works, Ltd.

(Kabushikikaisha Usui Seiki Seisakusho)

Representative: Yōji Usui, Managing Director.

Capital: at the time of establishment 500,000 yen.

in Oct. 1940, increased to 650,000 yen (paid up)

Principal Products: Horizontal Lathe (4'.5)

" ( 6' )

Centerless Grinder

## (2) From July, 1941 to Feb. 1943

Proprietor: the Asahi Precision Manufacturing Co., Ltd.

(Asahi Seiki Kogyo Kabushikikaisha)

Representative: Yūzo Araki Managing Director.  
 Capital: Unchanged.  
 Principal Products: Unchanged.

(3) From Mar. 1943 up to the Present.

Proprietor: the Ebara Mfg. Co., Ltd.

(Kabushikikaisha Ebara Seisakusho)

Representative: Issei Hatakeyama, President.  
 Capital: 20,000,000 yen (paid up)  
 Principal Products: Pumps.

3. List of the actual production for period 1940-1946 yearly.

Year	Products	Machine Tools		Pumps	Prime Movers (Steam Engine & Turbine)
		Lathe	Grinders		
1940		125	9	None	None
1941		101	6	"	"
1942		40	0	"	"
1943		31	None	682	"
1944		None	"	1,375	149
1945		"	"	1,174	2
1946		"	"	1,057	None
(Jan.-Nov.)					

N.B. 1. Figures show quantity in units.

2. Steam engine and turbine manufactured in this plant were to be coupled with pumps as auxiliary prime movers.

4. Explanation for the reason of changes on enterprises and on actual production.

(a) for the Usui's period:

In order that it was immediately after commencement of the operation, production of the plant was not filled along the planned lines, and moreover stock of materials were not only allotted sufficiently because of the new plant, but also it was very hard to procure them. Consequently the plant could not give full play to its potential capacity.



(b) For the Asahi's period:

The Usui Company was unable to both ends meet for the financial reason and thus the company deeded its enterprise to the Chuetsu Bank (the Present Hokuriku Bank) which had been a money lender to the Usui Company, and in this way, the plant was managed by the Asahi Company. However, the results of the Asahi Company became worse and worse, under the management of banker who had no experience on the mechanical industry. Besides the materials were difficult to be procured more and more, and the skilled workers scattered one after another, with the result that the Asahi Company was compelled to deed its enterprise to our corporation.

(c) For the Ebara's period:

At the start, our corporation purchased the plant for the purpose of the manufacture of machine tools and planted to produce some 400 machines per year. In the meantime, however, the war situation became pressing and moreover, other companies who have engaged in the manufacturer of pumps converted their products into munitions with the result that demands on pumps were rendered to concentrate exclusively on our company. Thus, in May, 1943, we changed our manufacturing plant in a hurry and ceased to produce machine tools, except turning out the semi-finished machines.

5. Remarks.

At present our plant is manufacturing pumps exclusively, some 150 in units and two million yens in value per month, and these products are supplied to agriculture, chemical fertilizer and coal mining which are the most pressing and essential industries at present crisis. In addition, we are turning out pumps for the use of occupational forces in co-operation with our main plant in Kanagawa Pref.

.....*Teinosuke Ando*.....  
(Teinosuke Ando)  
Director and Manager of  
the Toyama Plant,  
Ebara Mfg. Co., Ltd.

TOYAMA  
MILITARY GOVERNMENT TEAM  
APO 713

Date: 5 OCTOBER 1946

SUBJECT: Permit for Operation

TO : EBARA SEISAKUSHO , TOYAMA PLANT

1. This permit grants authority only to operate. The acquisition of materials, parts, and sub-assemblies, as well as the disposition of finished products and establishment of sales prices, will be in accord with the regulations of the Imperial Japanese Government.

FOR THE COMMANDING OFFICER:

EUGENE MOSS  
Capt, CAC  
Industry Officer

44

Application for Operation of  
and  
Report of Industrial Companies

To: Toyama Military Government Team

Thru: Toyama Prefectural Liaison Office

Date: 23 August 1946

1. Name of Company: Toyama Plant, Ebara Seisakusho.

2. Location: 200, Mukaishinjo, Toyama-shi, Toyama-ken.

3. Name of President: Teinosuke Ando

4. Date of Construction: 15 March 1943. Bought.

5. Date of first operation: 15 March 1943.

6. Production of first operation:

<u>Name of Article</u>	<u>Quantity</u>
Centrifugal pumps, Turbine pumps	700 sets

7. Number of machinery and equipments:

<u>Name of machinery</u>	<u>Number</u>	<u>Capacity &amp; size</u>	<u>Maker's name</u>
Horizontal lathe without lead screw	20 sets	up to 1,000 m.m.	made in Japan
Horizontal lathe with lead screw	57 "	up to 1,000 m.m.	"
"	12 "	above 1,000 m.m.	"
Centering machine	1 "	up to 1,000 m.m.	"
Vertical boring and turning machine	7 "	table dia. 700-2,500 m.m.	"
"	1 "	"	made in Germany (Schless Defries)
Horizontal boring and drilling machine	10 "	bar dia. 65-175 m/m.	made in Japan
"	2 "	"	made in Germany (Schless Defries)

-2-

Honing machine	I set	spindle dia. 80 m.m.	made in Japan
Plane milling machine	17 "	spindle dia. 25-32 m.m.	"
Vertical milling machine	8 "	" " 25-32 m.m.	"
Planing machine	5 "	bed length 1,800-3,600 m.m.	"
Shaping machine	14 "	swing 450-800 m.m.	"
Radial drilling machine	8 "	arm length 1,000-2,000 m.m.	"
"	I "	" "	made in Germany (Raboma)
Vertical drilling machine	8 "	table dia. 400-700 m.m.	made in Japan
Gear cutting and hobbing machine	II "	table dia. 350-700 m.m.	made in Japan
"	7 "	table dia. 350-700 m.m.	made in U. S. A. (Fellows) made in England (Sunderland) made in Germany (Pfauter & Niles)
Horizontal inside grinding machine	I "	grinding dia. 10-110 m.m.	made in U. S. A. (Heald)
Surface grinding machine	3 "	table dia. 250-450 m.m.	made in Japan
Horizontal outside grinding machine	4 "	centre distance 500-2,000 m.m.	"

tool grinding machine	2 sets	for special	made in Japan
"	2 "		made in England (Sunderland) made in Germany (Pfauter)
Slotting machine	3 "	swing 200-500 m.m.	made in Japan
Hack saw	2	swing 350 m.m.	"
Blast furnace	1	1 ton/hour	
"	1	3 ton/hour	

8. Wartime products:

<u>Name of article</u>	<u>Quantity</u>
Centrifugal pumps, Turbine pumps and fans	2,000 sets

9. Products planned for the present:

<u>Name of article</u>	<u>Quantity</u>
Centrifugal pumps, Turbine pumps	2,000 sets

10. Certification by applicant:

I certify that the information contained herein is true to the best of my knowledge and belief.

Signed *J. Hendry*  
 Title, Factory manager, Director

44

**APPLICATION FOR CONVERSION  
OF  
REPORT ON INDUSTRIAL FACILITIES**

**To : 8th Army Headquarters**

**Thru: Toyama Military Government**

Toyama Plant, Ebara Seisakusho  
(Ebara Manuf. Co. Ltd.)

23rd August 1946

1. Name of Facility: Toyama Plant. Ebara Seisakusho.
2. Location: 200 Mukaishinjo, Toyama-shi, Toyama-Ken.
3. Name of President of Manager: Teinosuke Ando.
4. History
  - a) Date of construction: 15th March 1943 Bought.
  - b) Date of first operation: 15th March 1943
  - c) Present capitalization in Yen: ¥ 20,000,000.-
  - e) Changes made in capital structure since 1935:
 

1935	¥ 3,000,000.-	1936	¥10,000,000.-
1940	¥20,000,000.-		
  - f) Name and address of parent company:  
Ebara Seisakusho (Ebara Manuf. Co. Ltd.)  
Haneda 3 chome, Kamata-Ku, Tokyo-To.
  - g) Number of shares outstanding: 400,000
  - h) Number of stockholders. (Names of those owing 10% or more of total) 1,129  
Senji Kinyu Kinko (Wartime Financial Bank) 15.8% only
  - i) Funds received from Government (Bounties, subsidies, etc.)  
None.
  - j) On reverse side give outline sketch of plant layout with approximate dimensions.

**5. Description**

**a) Principal Products**

1. Wartime: Centrifugal pumps, Turbine pumps & Fans.

APPLICATION FOR CONVERSION  
OF  
REPORT ON INDUSTRIAL FACILITIES

To : 8th Army Headquarters

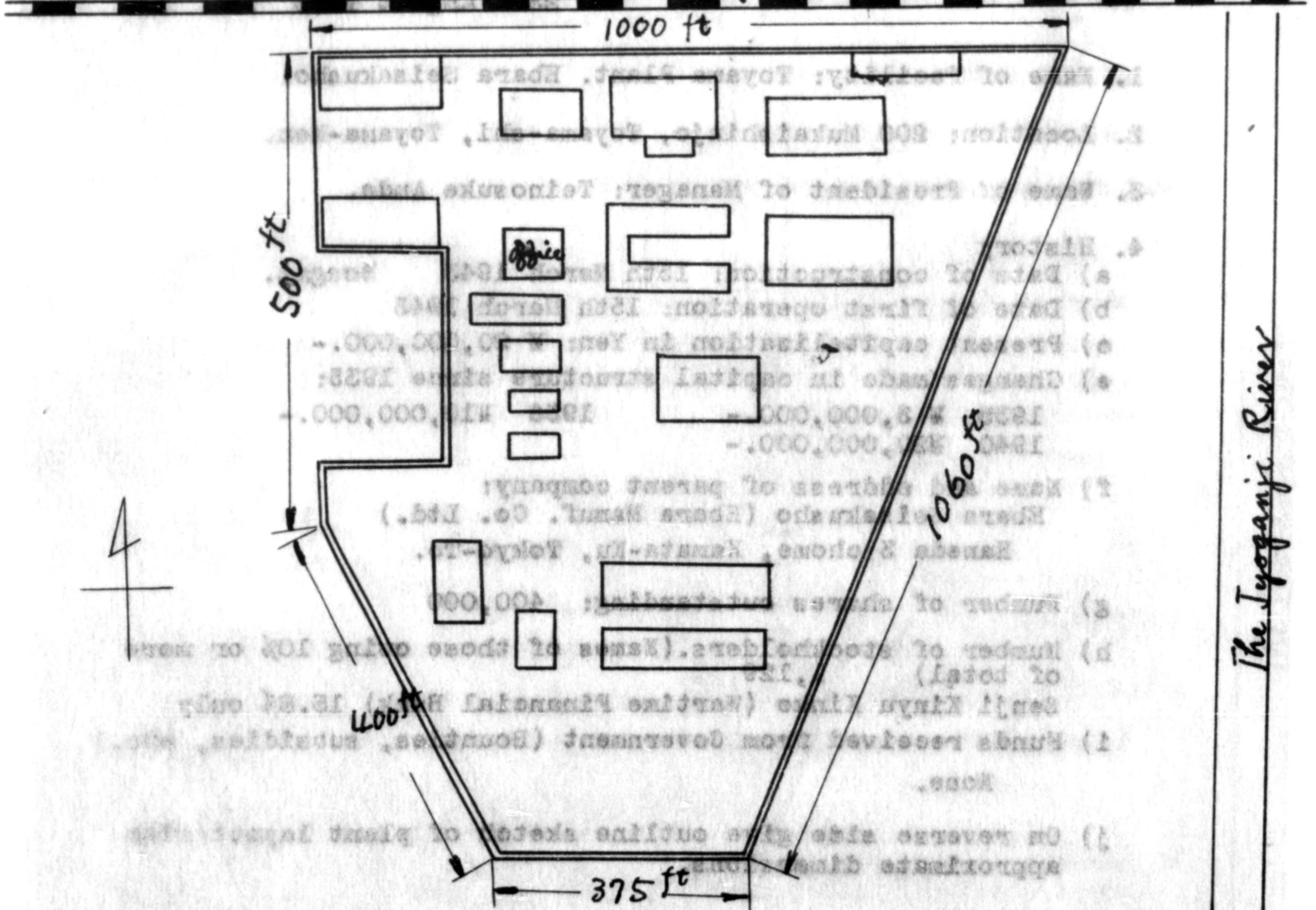
Outline Sketch of Plant (Toyama Factory Ebara mfg. Co.)

Dantetsu

← Toyama (about 2.5 miles)

Station  
Ebara

Toyama Local Electric Railway



The Toyogani River

P. -2-

2. At Present: Same above
3. Planned for 1946-47: Same above

## b) Capacity

1. Wartime: 2,000 sets
2. At present: 2,000 sets
3. 1946-47 (with unrestricted access to materials) 2,500sets

## c) Number of Employees

1. Wartime: 345
2. At present: 287
3. 1946-47 (At maximum capacity) 350

## 6. Machinery &amp; Equipment in Plant

<u>Description</u>	<u>Quantity</u>	<u>Condition</u>	
Horizontal lath without lead screw (Made in Japan) to 1,000 <sup>m.m.</sup>	20 sets	good 8	bad 12
Horizontal lath with lead screw (Made in Japan) to 1,000 <sup>m.m.</sup>	57	" 40	" 17
" above 1,000 <sup>m.m.</sup>	12	" 9	" 3
Centering machine up to 1,000 <sup>m.m.</sup> (Made in Japan)	1	" 1	" 0
Vertical boring and turning machine table dia 700-2,500 (made in Japan)	7	" 3	" 4
" (made in Germany)	1	" 1	" 0
Horizontal boring and drilling machine, bar dia. 65-175 m.m. (made in Japan)	10	" 3	" 7
(made in Germany)	2	" 0	" 2
Honing machine, spindle dia. 80 m.m. (made in Japan)	1	" 1	" 0



P. -3-

Plane milling machine, spindle dia. 25-32 (made in Japan)	I7	"	II	"	6
Vertical milling machine, spindle dia. 25-32 (made in Japan)	8	"	6	"	2
Planing machine, bed length 1800-3600 (made in Japan)	5	"	5	"	0
Shaping machine, swing 450-800 (made in Japan)	I4	"	I2	"	2
Radial drilling machine, arm length 1000-2000 (made in Japan)	8	"	4	"	4
(made in Germany)	I	"	I	"	0
Vertical drilling machine, table dia. 400-750 (made in Japan)	8	"	8	"	0
Gear cutting & hobbing machine, table dia. 350-700 (made in Japan)	II	"	IO	"	I
(made in U.S.A., England & Germany)	7	"	4	"	3
Horizontal inside grinding machine, grinding dia. 10-110 (made in U.S.A.)	I	"	I	"	0
Surface grinding machine, table dia. 250-450 (made in Japan)	3	"	0	"	3
Horizontal outside grinding machine, centre distance 500-2,000 (made in Japan)	4	"	3	"	I
Tool grinding machine for special, (made in Japan)	2	"	I	"	I
(made in England & Germany)	2	"	2	"	0
Slotting machine, swing 200-500 (made in Japan)	3	"	3	"	0
Hack saw, swing 350m.m. (made in Japan)	2	"	2	"	0
Blast furnace, I ton/hour	I	"	I	"	0
" " , 3 ton/hour	I	"	I	"	0

-4-

## 7. Present stocks of raw Materials, Supplies and Unfinished Goods :

<u>Description</u>	<u>Quantity</u>	<u>Condition</u>
Pig iron	17 ton	
Scrap casting iron	40 ton	
Steel bar	110 ton	
Unfinished Goods (pump parts)	120 ton	

## 8. Present Stocks of Finished Goods :

<u>Description</u>	<u>Quantity</u>	<u>Condition</u>
Pumps (centrifugal)	600 sets	100% finished

## 9. Present Stocks of Fuel :

None

## 10. Machinery &amp; supplies needed for maximum production 1946 - 47

None

## 11. Raw materials &amp; supplies needed (monthly)

## a. For Present Capacity (5b2 above)

<u>Description</u>	<u>Quantity</u>
Pig iron	80 ton
Steel bar	24 ton
Copper	3 ton
Cokes	40 ton

## b. For Maximum (5b3 above)

<u>Description</u>	<u>Quantity</u>
Pig iron	115 ton
Steel bar	34 ton
Copper	4.5 ton
Cokes	55 ton



-6-

\_\_\_\_\_  
Signature of Authorizing Officer

\_\_\_\_\_  
Designation of Authorizing Unit

165  
APPLICATION FOR OPERATION OF  
AND  
REPORT ON INDUSTRIAL FACILITIES

SERIAL NO.

TO: 30TH MILITARY GOVERNMENT

THRU: The Japanese Liaison Office.  
Nagaya.  
Toyama plant, Ebara Seisakusho  
(Ebara Manuf. Co. Ltd.)  
200 Mukaishinjo, Toyama-shi.

10th June 1946

1. Name of Facility Toyama Plant Ebara Seisakusho
2. Location 200 Mukaishinjo, Toyama-shi, Toyama-ken
3. Name of Manager Teinasuke Ando
4. History
  - a. Date of construction 15th March 1943 Bought
  - b. Date of first operation 15th March 1943
  - c. 1935-1944 Production Nothing
  - d. Present capitalization in Yen ¥ 20,000,000-
  - e. Changes made in capital structure since 1935  
1935 ¥ 3,000,000      1936 ¥ 10,000,000      1940 ¥ 20,000,000
  - f. Name and address of parent company.  
Ebara Seisakusho (Ebara Manuf. Co. Ltd.)  
Haneda 3-chome, Kamata-ku Tokyo-TO
  - g. Number of shares outstanding 400,000
  - h. Number of ~~stock-holders~~ <sup>stockholders</sup> (names of those owning 10% or more of total)  
1129  
Senji Kinju Kinkeo (Wartime Financial Bank) 15.8% only.
  - i. Funds received from Government (Bounties, Subsidies, etc.) Nothing
  - j. On a separate sheet give outline sketch of Plant payout with approximate dimensions
5. Description
  - a. Principal Products
    1. Wartime Centrifugal pumps, Turbine pumps & Fans.
    2. At present Same above
    3. Planned for 1946-7 Same above

## -2- (Report on Industrial Facilities)

## b. Capacity

1. Wartime 2000 set
2. At present 2000 set
3. 1946-47 (With unrestricted access to materials) 2500 set

## c. Number of Employees.

1. Wartime 345
2. At present 293
3. 1946-47 (At maximum capacity) 350

## 6. Machinery &amp; Equipment in plant

Description	Quantity	Condition
Horizontal lathe without lead screw (made in Japan) <sup>to 1000<sup>mm</sup></sup> 20 set		Good 8, bad 2
Horizontal lathe with lead screw ( " ) <sup>to 1000<sup>mm</sup></sup> 17 "		" 4, " 13
" ( " ) <sup>to 1000<sup>mm</sup></sup> 12 "		" 9, " 3
Centering machine up to 1000 <sup>mm</sup> (made in Japan)	1 "	" 1 " 0
Vertical boring and turning machine table dia (made in Japan) 700-2500	7 "	" 3, " 4
" (made in abroad)	1 "	" 1, " 0
Horizontal boring and drilling machine bar dia (made in Japan) 65-175 <sup>mm</sup>	10 "	" 3, " 7
" (made in abroad)	2 "	" 0, " 2
Honing machine spindle dia 80 <sup>mm</sup> (made in Japan)	1 "	" 1, " 0
Plane milling machine spindle dia 25-32 <sup>mm</sup> (made in Japan)	17 "	" 11, " 6
Vertical milling machine - " - 25-32 <sup>mm</sup> ( " )	8 "	" 6, " 2
Planing machine bed length 1800-3600 <sup>mm</sup> ( " )	5 "	" 5, " 0
Shaping machine swing 450-800 <sup>mm</sup> ( " )	14 "	" 12, " 2
Radial drilling machine arm length 1000-2000 <sup>mm</sup> ( " )	8 "	" 4, " 4
" (made in abroad)	1 "	" 1, " 0
Vertical drilling machine table dia 400-750 <sup>mm</sup> (made in Japan)	8 "	" 8, " 0
Gear cutting & hobbing machine table dia 350-750 <sup>mm</sup> ( " )	11 "	" 10, " 1
" (made in abroad)	6 "	" 4, " 2
Horizontal inside grinding machine grain dia 10-11 <sup>mm</sup> ( " )	2 "	" 2, " 0
Surface grinding machine table dia 250-450 <sup>mm</sup> (made in Japan)	3 "	" 0, " 3
Horizontal outside grinding machine center distance 500-2000 ( " )	4 "	" 3, " 1
Tool grinding machine for special ( " )	2 "	" 1, " 1
" (made in abroad)	2 "	" 2, " 0
Slotting machine swing 200-500 <sup>mm</sup> (made in Japan)	3 "	" 3, " 0
Hack saw swing 350 <sup>mm</sup> ( " )	2 "	" 2, " 0

## -3- (Report on Industrial Facilities)

Description	Quantity	Condition
Blast Furnace	1 ton/Hour	1 set good
"	3 ton/Hour	1 set - " -

## 7. Present stocks of Raw materials, Supplies and Unfinished Goods

Description	Quantity	Condition
pig iron	20 ton	
Scrap casting iron	33 ton	
Steel bar	9 1/2 ton	
Unfinished goods (pump parts)	150 ton	

## 8. present stocks of Finished Goods

Description	Quantity	Condition
Pumps (centrifugal)	800 set	100% finished

## 9. present stocks of Fuel

nil

## 10. Machinery &amp; Equipment needed for maximum production 1946-47

nil

## 11. Raw materials &amp; supplies needed (monthly)

## a. For present Capacity (562 above)

Description	Quantity
pig iron	80 ton
Steel bar	24 ton
Copper	3 ton
Cokes	40 ton

## b. For Maximum (563 above)

Description	Quantity
pig iron	115 ton
Steel bar	34 ton
Copper	4 1/2 ton
Cokes	55 ton

## 12. Fuel needed (monthly) (Do not include present stocks)

Description	Quantity
Coal	20 ton
Gasoline	1400 lit
Charcoal	3 1/2 ton

- 4 - (Report on Industrial Facilities)

13. Additional personnel needed (Not locally available)

Nil

14. Prices (current selling prices in Yen of principal products)

Description

Unit total prices

pumps <sup>monthly</sup> (170 set) 60 ton Various ¥ 600,000 -

15. Remarks:

16. Certification by applicant

I certify that the information contained herein is true to the best of my knowledge and belief. I am authorized to sign for the above company.

Teinosuke Ando. Teinosuke Ando

Signed 安藤 貞之助

Title Factory manager Director

17. Action by occupation Forces

The factory described in this application has been inspected and the following action

a. Ordered to remain closed Yes..... No.....

b. Ordered to cease operation immediately Yes..... No.....

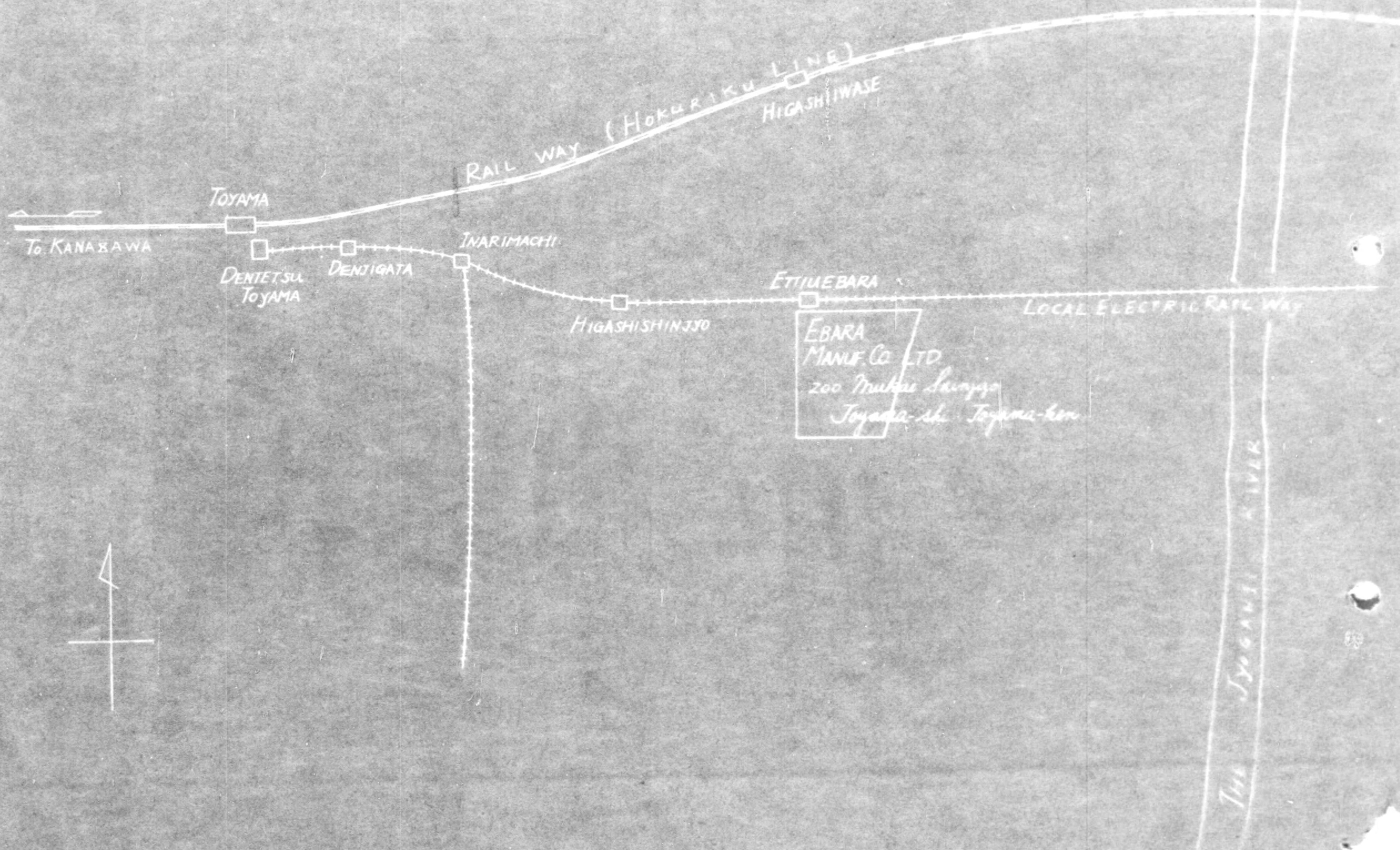
c. Authorized to produce at the following rate:

Item to be manufactured Monthly Quantity

Signature of Authorizing officer

Designation of authorizing Unit





PHOTOGRAPHED BY THE U.S. GEOLOGICAL SURVEY  
 775013