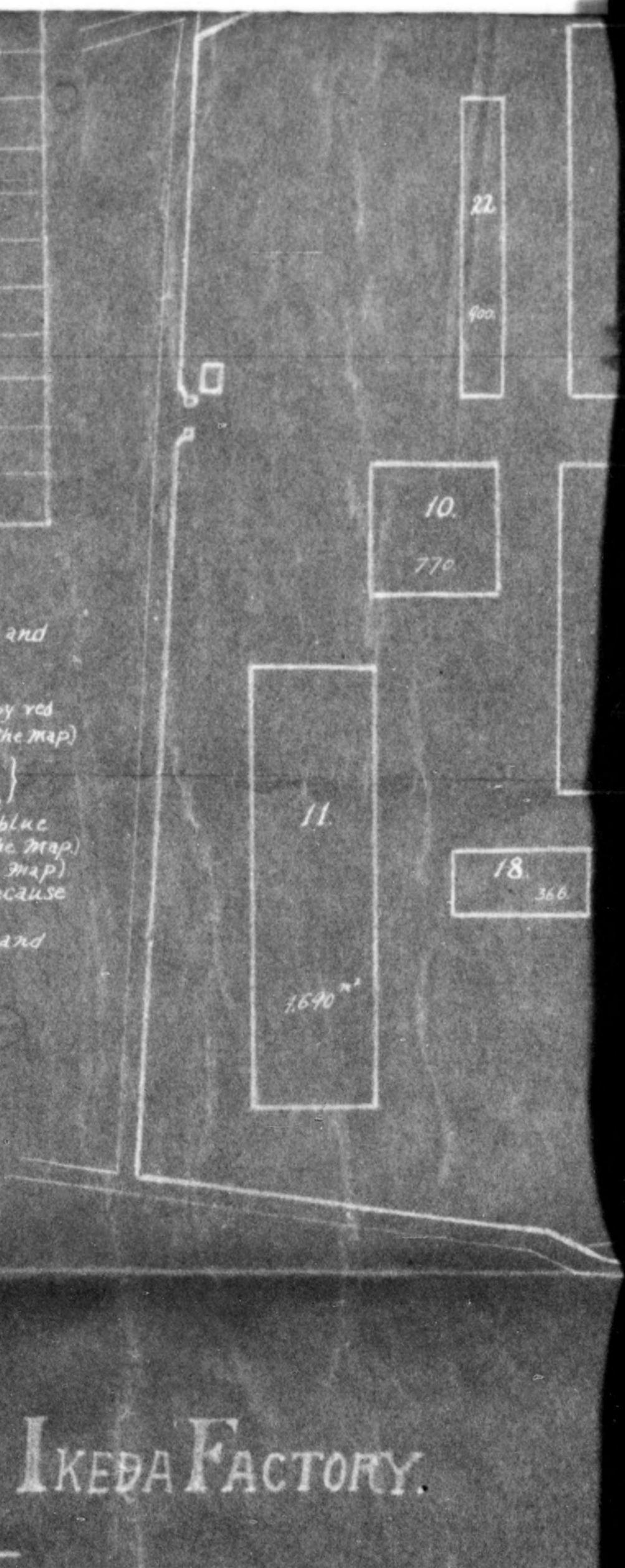
7	Warehouse	25	Warehouse
8	No.8 Machine shop	26	Warehouse
9	No.1 Foundry shop	27	Laboratory
10	No.2 Foundry shop	28	Toilet house
11	No.3 Foundry shop	29	Lecture room
12	No.1 Jig fixture mfg shop	30	Painting shop
13	No.2 Jig fixture mfg shop	31	Auditorium
14	No.3 Jig fixture mfg shop	32	Telephone room
15	Heat treatment shop	33	Cloth chang house
16	No.1 Press shop	34	Warehouse

Note :

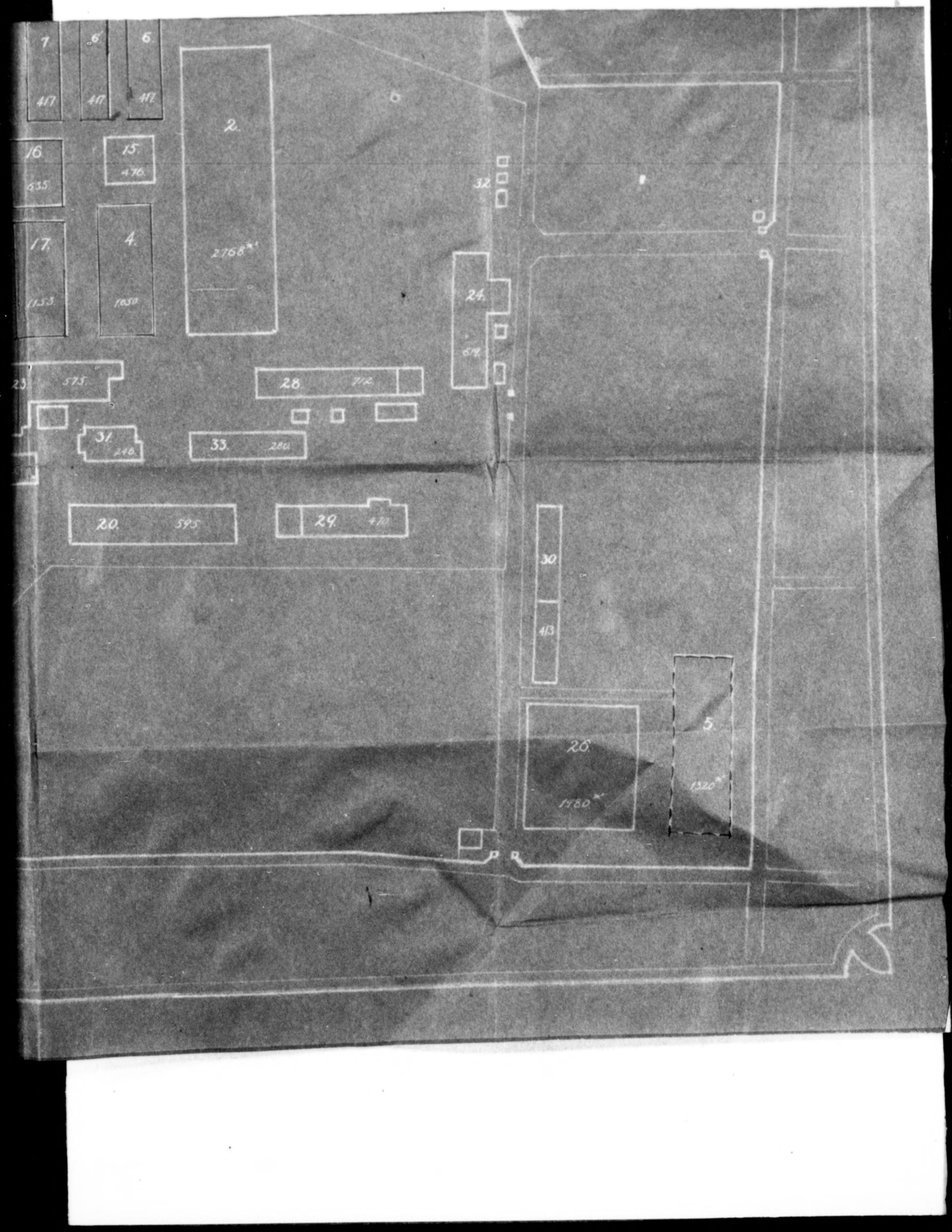
The workshops used for the manufacturing of machine Gun and Aircraft Parts during the War are as follows —

(a) Machine Gun Parts ——— No.4. Machine shop
(b) Cartridge Case Holders for Machine Guns --- No.1. Press shop, No.2. Press shop } (shown by red line on the map)
(c) Aircraft Parts ——— No.6 Machine shop, No.7 Machine shop, No.6 Engine Assembly shop (shown by blue line on the map)
(d) Machine shop No.5. (shown by dotted blue line on the map) was not ready for the production of Aircraft Parts because of the War termination.
(e) Total floor space of the factory buildings, office and shool buildings ---------- 32,225 sq. meter
Area of factory site ---------- 153,838 sq. meter



HATSUDOKI SEIZO. K.K. IKEDA FACTORY.

1200 : 1



CO. File

HEADQUARTERS
OSAKA MILITARY GOVERNMENT TEAM
APO 660

HHH/jt

3 September 1946

SUBJECT: Removal from OD-5 (Hatsudoki Seizo K.K. - Osaka Plant)

TO: CG, I Corps, APO 301
ATTENTION: Mil Govt Sec

1. Reference is made to letter, this headquarters, dated 2 April 46, subject as above.

2. Together with petitions for removal from OD-5 was inclosed applications for reconversion and permit to operate in quadruplicate.

3. Operational Directive No. 5/2, dated 6 June 46 excluded this company from list of plants to be taken for reparations. However, permit to operate from your headquarters has not been received.

4. Although this plant has been removed from the OD-5 list, it is a restricted concern.

FOR THE COMMANDING OFFICER:

/s/t/ P. BURDICK
Capt., AUS
Adjutant

BASIC: Ltr, Hq Osaka Mil Govt Team, subj: "Removal from OD-5 (Hatsudoki Seizo K.K. - Osaka Plant)," dtd 3 Sept 46.

AG 004 - BA 1st Ind EHN/jyn

Hq I Corps, APO 301, 9 SEP 1946

TO: CO, Osaka Mil Govt Team, APO 660.

1. Reference is made to letter, Headquarters 107th Headquarters and Headquarters Detachment, Military Government Group, subject: "Hatsudoki Seizo K.K." dated 19 February 1946, and 1st indorsement, this headquarters, thereto, dated 28 February 1946.

2. Information on file at this headquarters indicates that petition of the Hatusdoki Seizo for removal from Operational Directive No. 5 and its application for reconversion was returned to your headquarters under date of 28 February 1946.

3. The Hatsudoki Seizo K.K. Osaka Plant, was recently removed from the group of plants subject to reparations. This headquarters has no record that the plant had been placed on the restricted list. You are authorized to issue a reconversion permit to the subject company.

BY COMMAND OF MAJOR GENERAL WOODRUFF:

HHH/yi

HEADQUARTERS
109TH MIL GOVT HQ & HQ CO
APO 660 (Osaka, Japan)

9 Jul 46

SUBJECT: Permit for Operation
(Hatsudoki Seizo K.K. Ikeda Plant)

TO : CG, I Corps, APO 301
(ATTN: Mil Govt Sec)

1. Reference is made to a letter Hq 94th Hq & Hq Det Mil Govt Gp dated 20 May 1946 subject as above.

2. Attached applications are forwarded in compliance with first indorsement.

FOR THE COMMANDING OFFICER:

Harry M. Weinrebe
HARRY M. WEINREBE
1st Lt, CWS
Adjutant

TO: 109th Military Government.

8 June, 1946.

In compliance with your instruction dated 3 June 1946, we beg to send you five (5) copies of our application for reconversion of our Ikeda Plant which were submitted to the Military Government through the Osaka Prefectual Office on 13 November 1945.

Respectfully

Teiichi Shibata

(Teiichi Shibata)

(President)

Hatsudoki Seizo K.K.

Copy

Application for the permission of convertion to the essential consumers commodities

1. Name:
   Name of the Company: Hatsudoki Seizo Kabushiki Kaisha.
   Name of the Factory: Ikeda Factory.

2. Capital:
   Authorized capital ¥ 20,000,000
   (Paid up capital ¥ 15,000,000)

3. Ownership: (Inventory as of 6th, Nov., '45)

Names of main share holders	Number of the stock
Kabushiki Kaisha Okasaki Honten	49,170
Senji Kinyu Kinko	11,050
Doa Kasai Kaijo Hoken Kabushiki Kaisha	10,000
Sanwa Shintaku Kabushiki Kaisha	8,500
Akira, Tanaka	6,400

4. Relation of the government None

5. Date of Foundation:
   The Company: March, 1st, 1907 (The 40th year of Meiji)
   The Factory: May, 1st, 1939 (The 14th year of Showa)

6. Location
   The Company: No.3, Daini-Higashi-Nichome, Oyodo-Ku, Osaka.
   The Factory: No.1170, Momozono-cho, Ikeda, Osaka-Fu.

7. General description of machinery and plant:
   Area of site: 46,617 tsubo
   Building area: 9,530 tsubo
   Capacity of main equipments:

Machine Tools	588 sets (of this 32 sets being detached for safety)
Cupolas	2 sets (1 ton - 2 ton)
Electric furnaces for melting	2 sets (½ ton - 1 ton)
Power presses	4 sets (200 tons - 1100 tons)
Pneumatic hammers	3 sets (¼ ton - 1 ton)
Air compressors	3 sets (30HP. - 50HP.)
Electric furnaces for tempering	6 sets (30KW. - 200 KW.)
Overhead travelling cranes	8 sets (2 tons - 10 tons)

Electric power capacity 1,600 K.W.

Materials and goods in hand (Inventory as of 1st, Oct., '45)

List of materials	Munitions	Commoness	Total
Steel bars and sheets	67.0 T.	62.6 T.	129.6 T.
Pig iron	0 "	44.0 "	44.0 "
Special alloy steel	18.0 "	79.8 "	97.8 "
Copper (included copper tube and bar)	3.0 "	4.2 "	7.2 "
Aluminium (included of its reproducts)	0.78"	0 "	0.78"
Rubber tire and tube	0	850 sets	850 sets
Magnetoes and ignition coils	0	360 "	360 "

8. Number of employees: 603 (Inventory as of 1st, Nov., '45)

9. Production before the war:

List of products	Quantities (per month on an average)
Machines and appliance for locomotives, and cars	for about 10 sets
Parts of 3-wheeled light trucks	for about 100 sets
Parts of diesel engines	for about 10 sets

10. Production during the war:

List of products	Quantities (per month on an average)
Arms:	
Parts of machine gun	200 sets
Cartridge-car holder	3000 pieces
Parts of the aircraft	
Inlet valve	3000 pieces
Auxiliary connecting rod	1500 "
Planectry gear spindle	1000 "
Tractor	4 sets
Diesel engine	46 sets

11. Future plan of production

List of production	(per month) Quantities
3-Wheeled light trucks	1,000 sets
Machines and appliance for locomotives, and cars	20 sets
Diesel engine	10 sets

Quantity of raw materials for intended products

List of materials	Quantities (per month)
Steel bars and sheets	565,400 tons
Special alloy steel	58,000 tons
Pig iron (included of the scraps)	383,500 tons
Copper	24,010 tons
Aluminium (included of its reproducts)	27,400 tons
Tin	2,840 tons
Zinc	4,600 tons
Lead	8,940 tons
Antimony	1,020 tons
Ferro-Silicon	4,380 tons
Magnetoes and Egnition coils	1,000 sets
Rubber tire and tube	3,000 sets

Date of begining:

3-Wheeled light trucks	October, 1st, '45.
Machines and appliance for locomotives, and cars	December, 1st, '45.
Diesel engine	January, 1st, '46.

BASIC: Ltr, 94th Mil Govt Gp, subj: "Permit for Reconversion 107 ok-144 Hatsudoki Seizo K.K.", dtd 20 May 46.

KHN/ks

1st Ind

AG 004 - BA

Hq I Corps, APO 301.

TO: CO, 94th Mil Govt Gp, APO 660.
ATTN: Resources & Ind. Officer.

1. This headquarters has never received applications mentioned in basic communication. You are directed to forward sufficient copies of application to this headquarters with the least practicable delay.

2. Copies of reconversion permit issued from your headquarters to the Hatsudoki Seizo K.K. which were inclosed to basic communication are being retained at this headquarters.

BY COMMAND OF MAJOR GENERAL WOODRUFF:

Incl:
w/d

BA5001

HEADQUARTERS
24TH HQ & HQ DET MIL GOVT GP
APO 660 (Osaka, Japan)

20 May 46

SUBJECT: Permit for Reconversion 107 ok-144
Hatsudoki Seizo K. K.

TO: CG, I Corps, APO 301

Subject permit issued by this headquarters was found in our files and through error was not forwarded to your Headquarters. Applications for subject permit have been forwarded.

For the Commanding Officer:

BEN LOCKE
Maj, AC
Reecources & Ind. Officer

Incl:
Permit 107 ok-144 (quad)

HEADQUARTERS
94TH HQ & HQ DET MIL GOVT GP
APO 660 (Osaka, Japan)

19 Apr 46

File: 107 ok - 144

SUBJECT: APPLICATION FOR CONVERSION

TO : Hatsudoki Seizo Kabushiki Kaisha, Ikeda Factory, No.1170,
(Name and Address of Firm)

Momozono-cho, Ikeda, Osaka-fu.

1. a. In accord with paragraph 3, b, Directive Number Three (3) from the Supreme Commander to the Imperial Japanese Government, dated 22 Sep 45, the Hatsudoki Seizo Kabushiki Kaisha, Ikeda Factory,
(Name of Firm)

is permitted to immediately start production of 3-wheeled Light Trucks,
(Name of Items)

Machines & Appliances for locomotives and cars, Diesel Engines.

b. Maximum production currently authorized is 3-wheeled Light Trucks - 1,000 sets, Machines & Appliances for Locomotives and cars - 20 sets, Diesel Engines - 10 sets.(Monthly)

2. The acquisition of material, parts and sub-assemblies as well as the disposition of finished products, and the establishment of sales prices will be in accord with the regulations of the Imperial Japanese Government.

3. Until otherwise directed by this headquarters, a monthly report in English of each item, by name, type and quantity produced by each factory, sub-contractor subsidiary within this factory's control will be delivered to this office by the fifteenth (15) day of the following month.

4. It is understood that this permit for reconversion is issued subject to any and all directives affecting reconversion, ultimate disposition or otherwise, which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers or by this headquarters.

By order of Lieutenant Colonel ATWOOD:

Ben Locke

BEN LOCKE
Maj, AC
Res & Ind O

Info Copy to:
SCAP (Attn: ESS) (1)
SCAP (Attn: G-2) (1)
CG Eighth Army (Attn: Mil Govt) (1)
CG I Corps (Attn: Mil Govt) (1)
Osaka Liaison Office (1)
Governor of Prefecture concerned (1)

Incl. # 2

H

HEADQUARTERS
107TH MIL GOVT HQ & HQ CO
APO 660 (Osaka, Japan)

15 Mar 46

SUBJECT: Inspection and Survey in compliance with OI 1 - Hatsudoki Seizo K.K., Oyodo-ku, Osaka.

TO: CG, I Corps, APO 301

1. This Compnay was inspected this date. The Company has not filed any application for reconversion, nor has it a permit to operate, although they are now preparing an application which will be submitted very shortly. The above Company was under the impression that it needed no permit as they claim they made no reconversion. When this headquarters receives the application, it will be forwarded in the regular manner.

2. The machinery in the main plant is at present in good condition and being maintained. Part of these machines are being used at the present time. Those not in use were in the process of being greased and covered for protective measures. There are some machines - 1 boring mill and 2 horizontal millers that are so badly damaged that they can be considered scrap. There were approximately 25 training lathes still in the yard exposed to weather. The Company claim they belong to sub-contractors but will apply protective maintenance immediately.

3. The Company is complying fully with instructions in OI 1. A 24-hour guard is maintained, all entrances but one are sealed, off limit signs are posted, and dispersed machinery are protected. Mr.Fujii has been appointed plant custodian. He is also the plant manager.

4. The principal products of the above-mentioned plant are as follows:

Machinery and appliances for Locomotives and Cars.

For Locomotives:
- Feed water pump
- Feed water heater
- Steam distributor
- Sander
- Sight feed lubricator
- Fire grate rocking cylinder
- Oil pot of steam injecting type
- 70 m/m Tail rod support
- Automatic boiler fire door
- Hand operating boiler fire door

Ltr, Hq 107th Mil Govt Hq & Hq Co, subj: "Inspection and Survey in compliance with OI 1 - Hatsudoki Seizo K.K., Oyodo-ku, Osaka", dtd 15 Mar 46.

90x30 m/m Drain valve operating cylinder
50 m/m Cylinder safety valve
100 m/m Bye-path valve
Cylinder drain valve
Steam distributing valve
50 m/m swan neck
Safety valve for car heater

For Cars:
Thermo regulator for car heater
Steam trap
Automatic shut out valve

For tram cars:
Door operating engine

Valves and cocks:
All kinds of angle cocks
All kinds of globe valves
All kinds of three way cocks
All kinds of cut-off cocks

For the Commanding Officer:

BEN LOCKE
Major, AC
Resources & Ind.Officer

HEADQUARTERS
107TH HQ & HQ DET MIL GOVT GP
APO 660 (Osaka, Japan)

19 Feb 46

SUBJECT: Hatsudoki Seizo K.K.

TO: Hq, I Corps, APO 301 (Kyoto)

MG

1. Subject company has been operating without approval, have never filed application for reconversion or application for continuance of operation. Subject company now submits a petition to be removed from Operational Directive No.5, Supplement 2.

2. They state that they have converted approximately 50% of their plant and are operating approximately 85% of their total. They have hereto submitted a general description of machinery and equipment and a list of the items they claim they are now manufacturing and their former products.

3. Under par 8 their application, they list factories that would be affected should their plant be taken. It will be noticed, that some of these plants are also listed on Directive No.5, Supplement 2.

4. This information is forwarded to higher authority for action. Some policy should be established in handling matters of this nature.

For the Commanding Officer:

1 Incl
petition Hatsudoki Seizo K.K.
(one)

BEN LOCKE
Maj, AC
Resources & Ind.Officer

BN0077

BASIC: Ltr, 107th Mil Govt Gp, subj: "Hatsudoki Seizo K.K.", dtd 19 Feb 46.

AG 004 - BA 1st Ind GLS/md

Hq I Corps, APO 301 (Kyoto, Honshu), 28 FEB 1946

TO: CO, 107th Mil Govt Co, APO 660

Policy governing subject matter is now contained in Operational Instructions, this Headquarters, dated 14 Feb 46, which has been recently distributed to all Military Government Units.

BY COMMAND OF MAJOR GENERAL HUNT:

1 Incl.
n/c

Hatsudoki Seizo K.K.

Serial No. of Report

APPLICATION FOR OPERATION OF

A N D

REPORT ON INDUSTRIAL FACILITIES

TO: 107th Military Government

THRU: Osaka Prefactural Government

Name and Address of Reporting Unit

Hatsudoki Seizo K.K.

No.3, Daini-Higashi-Ni-Chome,
Oyodoku, Osaka.

Date: March 20, 1946.

1. Name of Facilities Main Factory, Hatsudoki Seizo K.K.
発動機製造株式會社本社工場

2. Location No.3, Daini-Higashi-Ni-Chome, Oyodoku, Osaka.

3. Name of President or Manager

President (of the company) Teiichi Shibata.

Superintendent of Main Factory Naosaburo Hirota.

4. History (of Main Factory)

a. Date of construction March/1/1907

b. Date of first operation March/1/1907

c. 1935-1941 Production (Annual value in Yen; quantities of principal products by units or weights)

Products of Main Factory

Year	Principal Products (Unit ¥ 1000.)											
	Parts of locomotives and cars		3-Wheeled light trucks		Diesel Engines for						Others	
					Gov.& Com.		Army		Navy			
	Sets	Value	Sets	Value	Sets	Value	Sets	Value	Sets	Value	Sets	Value
1935		629	2,880	2,368	293	944						
1936		694	3,407	2,791	323	1,042						
1937		834	4,973	4,560	318	1,252				364		94
1938		2,731	4,710	5,192	211	622	47	334		428		75
1939		4,439	2,784	3,876	215	902	25	186	6	184		300
1940		5,403	2,331	3,672	133	590	155	1,027	18	330		679
1941		4,747	1,832	3,136	365	1,995	270	1,441	24	1,306		1,148
Total		19,476	22,917	25,595	1,858	7,347	497	2,988				

d. Present capitalization in Yen (of the company as a whole)

Authorized capital ¥ 20,000,000

Paid-up capital ¥ 15,000,000

(Loan from the Sanwa Bank ¥ 45,000,000)

e. Changes made in capital structure since 1935 (of the company as a whole)

Month/Year	Increases in capital	Authorized capital
		¥ 2,000,000
Dec./1935	¥ 2,000,000	" 4,000,000
Jan./1936	" 6,000,000	" 10,000,000
Nov./1937	" 10,000,000	" 20,000,000
Jan./1943		" 20,000,000
Mar./1946		

f. Name and address of parent company None

g. Numbers of share outstanding (of the company)

400,000 of face value ¥ 50 (old shares 200,000, New shares 200,000)

h. Number of stockholders (Gi e name of those owning 10% or more of total)

Kabushiki Kaisha Okazaki Honten (Okazaki & Co., Ltd. of Kobe) 49,170 shares (12.29%)

i. Funds received from Government (Bounties, subsidies, etc.) None

j. Outline sketch of Main Factory

As per attached sketch.

5. Description

a. Principal Products.

1. Wartime

Machineries and appliances for locomotives and cars
3-Wheeled light trucks (those for Air Fields included)
Marine type Diesel Engines for Army
Diesel Engines for electric generators for Navy (those for Air Fields included)
Hesselman type oil engines for excavation in oil field
Diesel Engines for subsidiary electric generators

2. At present.

Machineries and appliances for locomotives and cars

For locomotives

Feed water pumps
Feed water heaters
Steam distributors
Sanders
Sight feed lubricators
Fire grate rocking cylinders
Oil pots of steam injecting type
70 m/m. Tail rod supporters
Automatic boiler fire doors
Hand operating boiler fire doors

90x30 m/m. Drain valve operating cylinders
50 m/m. Cylinder safety valves
100 m/m. Bye-path valves
Cylinder drain valves
Steam distributing valves
50 m/m. Swan necks
Safety valves for car heaters

For Cars

Thermo regulators for car heaters
Steam traps
Automatic shut out valves

For tram cars

Door operating engines

Valves and cocks for Locomotives and Cars

All kinds of angle cocks
All kinds of globe valves
All kinds of three way cocks
All kinds of cut-off cocks.

3. Planned for 1946-47

We have the following scheme for additional production of a few parts as mentioned below, beside machineries and appliancies for railway carriages (parts for locomotives and passengers and freight cars mentioned in # 2) which belong to the present production

For locomotives

Power reversers
Injectors
Lubricating oil pumps

b. Capacity

1. Wartime (Average capacity per month) ¥ 956,000

Table A

Description	Quantity	Value
Machineries and appliancies for locomotives and cars		¥ 228,000
3-Wheeled light trucks (those for Air Fields included)	91 sets	¥ 171,000

Diesel Engines for Army	23 sets	¥ 245,000
" for Navy (those for Air Fields included)	7 "	" 124,000
" for Goverment and Civil consumption	10 "	" 59,000
Others		" 29,000

Of the A Table, orders from the Air Craft Arms Bureau, Department of Munition (Gunjusho-Koku-Heiki-Sokyoku) and from the 3rd Board of the Naval Technical Department (Kaigun-Kansei-Honbu Dai-San-Bu) are as follows (Table B):-

Table B

Orderers		Air Craft Arms Bureau, Department of Munition 4 Kisha 6033 (A)		The 3rd Board of the Naval Technical Department					
				RIN-NAI-SEN (B)		O-1-NAI-SEN (C)		RI-10-NAI-SEN (D)	
Order No.									
Condition		Delivered	Finished but not delivered	Delivered	Finished but not delivered	Delivered	Finished but not delivered	Delivered	Finished but not delivered
3-Wheeled Light Trucks		235	40						
15KVA Diesel Generating Machines				44	9				
25KVA Diesel Generating Machines						100	0	0	15
100KVA Diesel Generating Machines									
Total	Quantity	235	40	44	9	100	0	0	15
	Value(¥)	775,500		434,280		1543,500			

Orderers	The 3rd Board of the Naval Technical Department		Price per set
Order No.	RIN-NAI-KU-DEN (E)		
Condition	Delivered	Finished but not delivered	
3-Wheeled light Trucks			¥ 3,300
15KVA Diesel Generating Machines			¥ 9,870
25KVA Diesel Generating Machines			¥ 15,435
100KVA Diesel Generating Machines	10	1	¥ 43,680
Total Quantity	10	1	
Total Value (¥)	436,800		

Details of above B Table are as follows:-

1. It is assumed that the following three kinds of our products were ordered for use in Air Fields

   A 3-Wheeled Light Trucks

   E 100KVA. Diesel Generating Machines

   C,D 25 KVA. Diesel Generating Machines

2. The reason why we make this assumption:

   Ordererr of Table A was the Aircraft Arms Bureau, Department of Munitions.

   Order No."[redacted]" was RIN-NAI-KU-DEN (KU in Japanese means the Aircraft) and the first orderer was the 3rd Board of the Naval Technical Department, though the superintendence was transfered to the Aircraft Arms Bureau, Department of Munitions afterwards.

3. Percentage of the above to the total products of the Main Factory.

A	3.78%
C + D + E	9.64"
A + C + D + E	13.41"
B + C + D + E	11.75"
A + B + C + D + E	15.53"

4. Specification of these Diesel Generating Machines

Type	15KVA	25KVA	100KVA
R. P. M.	600	600	750
Brake Power (KVA)	15	25	100
Number of Cylinders	2	3	6
Dia. of Cylinder (m/m.)	150	150	175
Stroke (m/m.)	220	220	220
Net Weights (Kg.)	2040	2600	3100
Max. Compression Pressure ($kg./cm^2$)	55	55	55
Mean Effective Pressure ($Kg./cm^2$)	4.82	5.14	5.12

2. At present (Feb./1946)

Machineries and appliancies for locomotives and cars

Per month ¥ 1,085,347

For locomotives

Feed Water Pumps	37	pieces
Feed Water Heaters	17	"
Steam distributors	26	"
Sanders	130	"
Sight feed lubricators	58	"
Automatic boiler fire doors	36	"
Hand operating boiler fire doors	20	"
100 m/m. Bye-path valves	62	"
50 m/m. Swan necks	60	"
Safety valve for car heaters	53	"

For cars

Thermo regulators for car heaters	26	"

For tram cars

Door operating engines	26	"
Valves and cocks	1964	"

3. 1946-47 (with unrestricted access to materials)

(per month) ¥ 2,200,000

We have capacity to produce machineries and appliancies for locomotives and cars to the under mentioned quantities.

For locomotives

Feed water pumps	For about	50	trucks
Feed water heaters	"	50	"
Steam distributers	"	50	"
Sight feed lubricators	"	50	"
Fire grate rocking cylinders	"	50	"
Oil pots of steam injecting type	"	50	"
70 m/m. Tail rod supports	"	50	"
Automatic boiler fire doors	"	50	"
Hand operating boiler fire doors	"	50	"
Lubricating oil pumps	"	50	"
Power reversers	"	50	"
Injectors	"	50	"
90x30 m/m. Drain Valve operating cylinders	"	50	"
50 m/m. cylinder safety valves	"	50	"
100 m/m. Bye-path Valves	"	50	"
Cylinder drain valves	"	50	"
Steam distributing valves	"	50	"
50 m/m. Swan necks	"	50	"
Safety valves for car heaters	"	50	"

For Cars

Thermo regulators for car heaters	"	50	"
Steam traps	"	50	"
Automatic shut out valves	"	50	"

For tram cars

Door operating engines	"	50	"

Valves and cocks

All kinds of angle cocks	"	50	"
All kinds of globe valves	"	50	"
All kinds of three way cocks	"	50	"
All kinds of cut off cocks	"	50	"

c. Number of Employees

1. Wartime	1225
2. At present	511
3. 1946-47 (At maximum capacity)	618

6. Machineries and Equipments of Plant

A. Present Machine Tool Equipments.

Description	Quantity	Condition
Engine Lathes (Single purpose) for Valves & Cocks (Meter Driven)	7 sets	installed, working (with Meter)
" " " " "	5 "	to be installed, Able to use (without Meter)
4'-0" Horizontal Lathe (Meter Driven, All Geared)	1 "	to be installed, repairing required (without Meter)
4'-0" Horizontal Lathe (Belt Driven)	1 "	" " " " "
6'-0" Horizontal Lathe (Meter Driven, All Geared)	15 "	installed, working (with Meter)
6'-0" Horizontal Lathe (Meter Driven, All Geared)	2 "	to be installed, Able to use (with Meter)
6'-0" Horizontal Lathe (Meter Driven, All Geared)	2 "	to be installed, repairing required (with Meter)
6'-0" Horizontal Lathe (Meter Driven, All Geared)	1 "	to be installed, repairing required (without Meter)
6'-0" Horizontal Lathe (Meter Driven)	3 "	installed, working (with Meter)
6'-0" Horizontal Lathe (Meter Driven)	3 "	to be installed, Able to use (with Meter)
6'-0" Horizontal Lathe (Meter Driven)	1 "	to be installed, Able to use (without Meter)
6'-0" Horizontal Lathe (Meter Driven)	2 "	to be installed, repairing required (with Meter)
6'-0" Horizontal Lathe (Meter Driven)	4 "	to be installed, repairing required (without Meter)
6'-0" Horizontal Lathe (Belt Driven)	5 "	to be installed, Able to use (without Meter)
6'-0" Horizontal Lathe (Belt Driven)	4 "	to be installed, repairing required (without Meter)
8'-0" Horizontal Lathe (Meter Driven, All Geared)	9 "	installed, working (with Meter)
8'-0" Horizontal Lathe (Meter Driven)	2 "	" " " "
8'-0" Horizontal Lathe (Meter Driven)	2 "	to be installed, Able to use (with Meter)
8'-0" Horizontal Lathe (Meter Driven)	1 "	to be installed, Able to use (without Meter)

8'-0" Horizontal Lathe (Meter Driven)	2 sets	to be installed, repairing required (without Meter) Burnt
8'-0" Horizontal Lathe (Belt Driven, Line Shaft)	6 "	installed, working (with Meter)
8'-0" Horizontal Lathe (Belt Driven)	1 "	to be installed, Able to use (without Meter)
10'-0" Horizontal Lathe (Meter Driven, All Geared)	3 "	installed working (with Meter)
10'-0" Horizontal Lathe (Meter Driven, All Geared)	2 "	to be installed, Able to use (with Meter)
10'-0" Horizontal Lathe (Belt Driven)	1 "	to be installed, repairing required (without Meter)
12'-0" Horizontal Lathe (Meter Driven, All Geared)	6 "	installed, working (with Meter)
12'-0" Horizontal Lathe (Belt Driven)	3 "	" " " "
12'-0" Horizontal Lathe (Belt Driven)	3 "	to be installed, Able to use (without Meter)
14'-0" Horizontal Lathe (Belt Driven)	1 "	installed, working (with Meter)
14'-0" Horizontal Lathe (Meter Driven, All Geared)	1 "	to be installed, Able to use (with Meter)
16'-0" Horizontal Lathe (Meter Driven, All Geared)	2 "	to be installed, Able to use (with Meter)
16'-0" Horizontal Lathes (Meter Driven, All Geared)	1 "	to be installed, repairing required (with Meter)
16'-0" Horizontal Lathes (Belt Driven)	1 "	to be installed, unrepairable (without Meter)
20'-0" Horizontal Lathe (Meter Driven, All Geared)	2 "	installed, Sleeping (with Meter)
No.6 Automatic Lathe (Meter Driven, All Geared)	1 "	to be installed, repairing required (without Meter)
No.5 Automatic Lathe (Meter Driven, All Geared)	1 "	" " " " "
Centering Machine (Meter Driven)	1 "	installed, working (with Meter)
No.4 Turret Lathes (Meter Driven, All Geared)	4 "	" " " "
No.4 Turret Lathes (Meter Driven, All Geared)	2 "	to be installed, repairing required (without Meter)Burnt
No.4 Turret Lathes (Belt Driven)	1 "	to be installed, repairing required (without Meter) Burnt
Cam Lathe	1 "	to be installed unrepairable, (without Meter)

1,070 m/m. Turning Mill (Meter Driven All Geared)	1 set	installed, working (with Meter)
90 m/m. Horizontal Boring and Drilling Machine (All Geared)	1 "	" " " "
80 m/m. Horizontal Boring and Drilling Machine (All Geared)	4 sets	" " " "
75 m/m. Horizontal Boring and Drilling Machine (All Geared)	2 "	" " " "
55 m/m. Horizontal Boring and Drilling Machine (All Geared)	2 "	" " " "
85 m/m. Horizontal Boring and Drilling Machine (All Geared)	1 "	to be installed, Able to use (without Meter)
80 m/m. Horizontal Boring and Drilling Machine (All Geared)	1 "	to be installed, repairing required (without Meter)
75 m/m. Horizontal Boring and Drilling Machine (All Geared)	1 "	to be installed, unrepairable (without Meter) Burnt
100 m/m. Horizontal Boring and Drilling (All Geared)	1 "	to be installed, Able to use (with Meter)
55 m/m. Horizontal Boring and Drilling Machine (All Geared)	1 "	to be installed, repairing required (without Meter) Burnt
1,210 m/m. Radial Drilling Machine (All Geared)	1 "	installed, working (with Meter)
1,320 m/m. Radial Drilling Machine (All Geared)	2 "	" " " "
1,450 m/m. Radial Drilling Machine (All Geared)	1 "	" " " "
1,730 m/m. Radial Drilling Machine (All Geared)	1 "	" " " "
640 m/m. Swing, Vertical Drilling Machines(All Geared)	4 "	" " " "
600 m/m. Swing, Vertical Drilling Machines(All Geared)	1 "	" " " "
560 m/m. Swing, Vertical Drilling Machines(All Geared)	3 "	" " " "
560 m/m. Swing, Vertical Drilling Machines(All Geared)	1 "	installed, repairing (without Meter)
560 m/m. Swing, Vertical Drilling Machines(All Geared)	1 "	to be installed, repai required (without Me Burnt
560 m/m. Swing, Vertical Drilling Machines(Belt Driven)	1 "	to be installed, use (without M Fujikawa Seik
310 m/m. Swing, Sensitive Drilling Machine (Belt Driven)	1 "	installed, wor (with Meter)
340 m/m. Swing, Sensitive Drilling Machine (Belt Driven)	1 "	" " "
500 m/m. Swing Sensitive Drilling Machine (Meter Driven, All Geared)	1 "	" " "
520 m/m. Swing Sensitive Drilling Machine (Meter Driven, All Geared)	1 "	to be instal required (Burnt

340 m/m. Swing Sensitive Drilling Machine (Friction Plant Type)	1 set	to be installed repairing required (with Motor)
100 m/m. Stroke Gear Cutting Machine (Belt Driven)	1 "	installed, working (with Motor)
350 m/m. Stroke Honing Machine (Belt Driven)	1 "	to be installed, unrepairable (without Motor)Burnt
250 m/m. Stroke Honing Machine (Belt Driven)	1 "	" " " " " "
8'-0" Plaining Machine (Motor Driven)	1 "	installed, working (with Motor)
10'-0" Plaining Machine (Motor Driven)	1 "	" " " "
8'-0" Plaining Machine (Motor Driven)	1 "	to be installed, Able to use (without Motor)
400 m/m. Stroke Shaping Machine (Motor Driven, All Geared)	1 "	installed, working (with Motor)
500 m/m. Stroke Shaping Machine (Motor Driven, All Geared)	2 "	" " " "
305 m/m. Stroke Slotting Machine (Motor Driven, All Geared)	1 "	to be installed, Able to use (with Motor)
305 m/m. Stroke Slotting Machine (Motor Driven, All Geared)	1 "	to be installed, Able to use (without Motor)
165 m/m. Stroke Slotting Machine (Motor Driven, All Geared)	1 "	to be installed, repairing (without Motor) Burnt
150 m/m. Stroke Slotting Machine (Motor Driven, All Geared)	1 "	installed, working (with Motor)
2200 m/m. Crank Pin Grinding Machine (Motor Driven, Hydraulic)	1 "	to be installed, repairing required (without Motor)
660 m/m. Plain Grinding Machine (Motor Driven, Hydraulic)	1 "	installed, working (with Motor)
1,020 m/m. Plain Grinding Machine (Motor Driven, Hydraulic)	1 "	to be installed, Able to use (with Motor)
630 m/m. Plain Grinding Machine (Belt Driven)	1 "	installed, working (with Motor)
710 m/m. Plain Grinding Machine (Belt Driven)	1 "	to be installed, Able to use (without Motor)
80 m/m. Plain Grinding Machine (Motor Driven, All Geared)	1 "	to be installed, repairing required (without Motor)
630 m/m. Universal Grinding Machines (Motor Driven)	2 "	installed, working (with Motor)
150 m/m. (Dia. of grinding wheel) Tool Grinding Machine (Motor Driven)	1 "	to be installed, repairing (with Motor)
250 m/m. (Dia. of grinding wheel) Bit Grinding Machine (Motor Driven)	1 "	installed, repairing (with Motor)
500 m/m. (Dia. of grinding wheel) Grinding Machine (Motor Driven)	3 "	installed, working (with Motor)
500 m/m. (Dia. of grinding wheel) Grinding Machine (Motor Driven)	1 "	installed, repairing (without Motor)
500 m/m. (Dia. of grinding wheel) Grinding Machine (Motor Driven)	1 "	to be installed, Able to use (with Motor)

500 m/m. (Dia. of grinding wheel) Tool Grinding Machines (Meter Driven)	1 set	To be installed, Repairing required (without Meter) But Burnt
		Installed, Working (with Meter)
360 m/m. (Dia. of grinding wheel) Tool Grinding Machines (Meter Driven)	2 sets	To be installed, Repairing required (without Meter) But burnt
360 m/m. (Dia. of grinding wheel) Tool Grinding Machines (Meter Driven)	1 set	To be installed, Able to use (with Meter)
250 m/m. (Dia. of grinding wheel) Tool Grinding Machines (Meter Driven)	1 "	
150 m/m. (Dia. of grinding wheel) Tool Grinding Machines (Meter Driven)	1 "	Installed, working (with Meter)
150 m/m. (Dia. of grinding wheel) Tool Grinding Machines (Meter Driven)	2 "	To be installed, Able to use (Without Meter)
380 m/m. (Dia. of grinding wheel) Tool Grinding Machines (Meter Driven)	1 "	Installed, Working (With Meter)
280 m/m. (Dia. of grinding wheel) Tool Grinding Machines (Meter Driven)	1 "	" " " "
200 m/m. (Dia. of grinding wheel) Tool Grinding Machines (Meter Driven)	1 "	To be installed, Repairing required (without Meter But burnt
300 m/m. Swing Horizontal Spindle internal Grinding Machine (Meter Driven)	1 "	Installed, working (with Meter)
140 m/m. Swing Horizontal Spindle internal Grinding Machine (Meter Driven)	1 "	" " " "
350 m/m. Swing Horizontal Spindle internal Grinding Machine (Hydraulic)	1 "	To be installed, Able to use (with Meter)
1,300 m/m. Horizontal Spindle Surface Grinding Machine (Meter Driven)	1 "	To be installed, Able to use (without Meter)
No.2 Plain Milling Machines (Meter Driven, All Geared)	1 "	To be installed, Able to use (with Meter)
No.2 Plain Milling Machines (Meter Driven, All Geared)	2 "	Installed, working (with Meter)
No.1 Plain Milling Machines (Meter Driven, All Geared)	2 "	" " " "
No.1 Plain Milling Machines (Meter Driven, All Geared)	1 "	To be installed, Repairing required (without Meter) But burnt
No.2 Plain Milling Machines (Belt Driven)		To be installed, Repairing required (without Meter) But burnt
No.2 Vertical Spindle Milling Machine (Meter Driven, All Geared)	1 "	To be installed, Able to use (with Meter)

No.2 Vertical Spindle Milling Machine (Meter Driven, All Geared)	3 sets	Installed, working (with Meter)
No.2 Vertical Spindle Milling Machine (Meter Driven, All Geared)	1 set	Installed, Repairing (with Meter)
No.1 Vertical Spindle Milling Machine (Belt Driven)	1 "	To be installed, Able to use (without Meter)
No.1 Universal Milling Machine (Meter Driven, All Geared)	1 "	Installed, Working (with Meter)
1,900 m/m. Crank Pin Lathe (Meter Driven, All Geared)	1 "	To be installed, Able to use (with Meter)
1,800 m/m. Crank Pin Lathe (Meter Driven, All Geared)	1 "	" " " " " " "
70 m/m. Vertical Fine Boring Machine (Meter Driven, Hydraulic)	1 "	To be installed, un-repairable (without Meter) But Burnt
Double Head & Two Spindle Horizontal Fine Boring Machine (Meter Driven, Hydraulic)	1 "	To be installed, un-repairable (without Meter)
150 m/m. Gear Lapping Machine (Meter Driven)	1 "	To be installed, Able to use (with Meter)
10" Hack Sawing Machine (Meter Driven)	1 "	Installed, working (with Meter)
8" Hack Sawing Machine (Meter Driven)	1 "	" " " "
8" Hack Sawing Machine (Meter Driven)	1 "	Installed, repairing required (with Meter)
16" High Speed Bar Cutting off Machine (Meter Driven)	1 "	Installed, working required (with Meter)
3'-0" Horizontal Lathe (Belt Driven)	1 "	To be installed, repairing required (without Meter) Burnt But Nakanishi's Own
4'-0" Horizontal Lathe (Belt Driven)	10 "	" " " " " " "
6'-0" Horizontal Lathe (Belt Driven)	5 "	" " " " " " "
Foot Lathes (Belt Driven)	11 "	" " " " " " "
Screw Cutting Machines (Belt Driven)	5 "	" " " " " " "
Vertical Drilling Machines (Belt Driven)	2 "	" " " " " " "
Plain Milling Machines (Belt Driven)	2 "	" " " " " " "

Total of Machine Tools 254 sets

5 tons Travelling Cranes	3 sets	installed, working (with Meter)
2 " " "	1 "	installed, repairing required But Burnt
1½ tons Travelling Electric Hoist	1 "	installed, working (with Meter)

50 H.P. Vertical Air Compresser	1 set	installed, Werking (with Meter)
50 H.P. Horizontal Air Compresser	1 "	installed, repairing required (with Meter)
CH-300 Type 5 HP. "	3 sets	installed, werking (with Meter)
Tanabe's Type 5 HP. "	1 "	" " " "
15 HP. A.C. Induction Meter	1 "	" " " "
Total of other Equipments	12 sets	

B. Machineries and equipments for Foundry Shop

Description	Quantity	Condition
2 tons Travelling Cranes (with Meter)	3 sets	installed, werking
5 tons Travelling Cranes (with Meter)	2 "	" "
½ tons Winch (with Meter)	1 "	" un-repariable
2 tons Electric Heist (with Meter)	1 "	" werking
5 tons Winch (with Meter)	1 "	" "
50 HP. Air Compressers (with Meter)	1 "	" repairing, able to use
30 H.P. " " (" ")	1 "	" werking
4" Rotary Blower (with Meter)	1 "	" "
3" Turbo Blower (" ")	1 "	" "
3" " " (" ")	1 "	" repairing, able to use
8" " " (" ")	2 "	" werking
4" Exhaust Fan (" ")	1 "	" "
33" " " (" ")	4 "	" "
13" Maltiblade Fan (" ")	1 "	" "
20" " " (" ")	1 "	" "
Sand Mill (" ")	1 "	" "
" " (" ")	1 "	to be installed able to use repairing required
Loam Sand Mill (" ")	1 "	installed wrking
" " " (" ")	1 "	to be installed able to use repairing required
Black Wash Mixer (with Meter)	1 "	installed working
" " "(without Meter)	1 "	to be installed able to use repairing required
Clay Water Mixer (with Meter)	1 "	installed working
Suspension Electric Riddle (with Meter)	1 "	" "
Stroker (with Meter)	2 "	" "
" (" ")	1 "	" able to use repairing required

Double Head Grinder (with Meter)	2 sets	installed working
" " " (without Meter)	1 "	" able to use repairing required
Band Saw for Riser and Git (with Meter)	1 "	" working
Riser and Git Cutter (with Meter)	1 "	" "
Tubling Barrel (" ")	1 "	" "
Sand Blast with Turbine Pump (with Meter)	1 "	" "
	1 "	" "
Crate for Welding	3 "	" "
Moulding Machines	3 "	to be installed sleeping, able to use
" "	1 "	installed sleeping, able to use
Core Blowing Machine	2 "	" repairing required, able to use
Sand Blenders (without Meter)	1 "	" working
6.5 KW. Arc Welder	1 "	" "
1.5 KW. " "	1 "	" repairing required, able to use
Pig Iron Breaker (with Meter)		
Electric Magnetic Separater (with Meter)	1 "	" sleeping, able to use
	1 "	" " " "
3 tons Cupola	1 "	" working
2 tons "	1 "	" sleeping, able to use
1½ tons "	1	
1/5 ton Rolling Electric Arc Furnace with Transformer (with Meter)	1 "	" working
	2 "	" "
No.200 Coke Crucible Furnaces	1 "	" "
No.200 Gas " "	1 "	" "
No.150 Heavy Oil Crucible Furnaces	2 "	" "
Mould Drying Oven	1 "	" sleeping, able to use
" " "	2 "	" " " "
Core Drying Ovens	1 "	" working
" " "	1 "	" "
35 KW. Core Electric Drying Oven	1	to be installed sleeping, able to use
Wire Straintening Machine (without Meter)	1 "	
T o t a l	70 sets	

C. Machineries for Patern Shop

Description	Quantity	Condition
3'-0" Wood Lathe (Belt Driven)	1	installed working
8'-0" " " (" ")	1	" "
16" Single Wood Planing Machine (Meter Driven)	1	" "
16" Double Wood Planing Machine (Meter Driven)	1	" "

36" Band Sawing Machine (Belt Driven)	1	installed working
Saw Sharping Machine (Meter Driven)	1	" "
Wood Milling Machine (Belt Driven)	1	" sleeping, able to use
Wood Sawing Machine (Meter Driven)	1	" working
Grinding Wheel (Belt Driven)	1	" "
5 HP. A.C. Induction Meter	1	" "
T o t a l	10 sets	

D. Equipments for Heat Treatment Shop

Description	Quantity	Condition
Gas furnace	4 sets	installed, sleeping, able to use
Test Gas furnace	1 "	unfinished, able to use
75 KW. Electric furnace (with transformer)	1	to be installed, sleeping able to use
Gas Lead Bath Furnace	1	installed, sleeping, able to use
Gas Bit Furnace	1	" " " "
Turbo Blower (with Meter)	1	" " " "
" " (without Meter)	3	to be installed, sleeping, able to use
T o t a l	12 sets	

E. Machineries and Equipments for Inspecting Shop.

Description	Quantity	Condition
30 tons Amsler Universal Testing Machine	1 set	installed, working
20 tons " " " "	1	to be installed, sleeping, able to use But Asada Katan Chukesho's Own
Vickers Hardness Tester	1	installed, working
Brinell " "	1	" "
" " "	1	to be installed, able to use
Rockwell " "	1	installed, working
Shore's " "	3	" "
Amsler Spring "	1	" "
Shalpee Impact "	1	" "
Magnetic Crack "	1	to be installed, able to use
Electric Dynamometer	3	" " " " "
Freud type Water "	9	" " " " "
T o t a l	24 sets	

F. Transformers, Steam Boilers and Others

Description	Quantity	Condition
3KVA. Transformer	1 set	installed, working, but Kansai Haiden K.K.'s own
50KVA. "	1 "	" " " " "
75KVA. "	1 "	installed working
" " "	2 sets	to be installed, able to use
200KVA. "	1 "	installed, working, But Kansai Haiden K.K.'s own
3,300V. Switch-Board	1 "	" " working
" " "	3 "	" " "
220V. Switch-Board	6 "	installed working
110V. " "	3 "	" "
21 Kg./cm^2 Water-Tube Boiler	1 "	" sleeping, able to use
4 Kg./cm^2 " " "	1 "	" " "
" " " " "	1 "	" working
21 kg./cm^2 Colnish Type Boiler	1 "	" damaged un-repairable
20 tons Track Weighing-Machine with Register	1 "	" working
1 HP. A.C. Induction Meters	2 "	spare for Machines and equipments
3 HP. " "	4 "	" " " "
5 HP. " "	1 "	" " " "
7½ HP. " "	3 "	" " " "
10 HP. " "	3 "	" " " "
15 HP. " "	1 "	" " " "
30 HP. " "	1 "	" " " "
500 Kg. Electric Hoist (with Moter)	1 "	installed, repairing required
5tons Travelling Crane (" ")	1 "	to be installed "
T o t a l	41 sets	

The reconversion program into civil consumption is as follows.

A. Machine Tools and others for Machine Tool Shop.

The entire machineries and equipments, which are the remainders after exemption of the following from the total as mentioned in 6 A. above, are necessary.

Description	Condition		Quantity
	installed	to be installed	
Engine Lathes (Single purpose) for Valves and Cocks	7	0	7

Description	Condition		Quantity
	installed	to be installed	
6'-0" Horizental Lathes	18	13	31
8'-0" " "	17	2	19
10'-0" " "	3	2	5
12'-0" " "	9	0	9
14'-0" " "	1	1	2
16'-0" " "	0	2	2
Automatic Horizental Lathes	0	2	2
Turret Lathes	4	0	4
Turning Mill	1	0	1
Horizental Boring and Drilling Machines	9	2	11
Radial Drilling Machines	5	0	5
Vertical " "	9	0	9
Sensitive " "	3	0	3
Gear Cutting Machines	1	0	1
Plaining Machines	2	0	2
Shaping Machines	3	0	3
Slotting Machines	1	1	2
Plain Grinding Machines	2	2	4
Universal " "	2	0	2
Horizontal Spindle Internal Grinding Machines	4	0	4
Plain Milling Machines	4	0	4
Vertical Spindle Milling Machines	1	0	1
Universal " " "	1	0	1
Centering Machines	0	1	1
Tool Grinding Machines	10	4	14
Bit " "	4	0	4
Travelling Cranes	1	0	1
Travelling Electric Hoist	6	0	6
Air Compressers	1	0	1
A.C. Induction Meter	2	0	2
Hack Sawing Machine			
T o t a l	133	32	165

Details of above

Description	Quantity	Condition
Engine Lathes (Single purpose) for Valves and Cocks (Meter Driven)	7 sets	installed, working (with Meter)
6'-0" Horizental Lathes (Meter Driven, All Geared)	15 "	" " "
" " " " " "	2 "	to be installed, Able to use (with Meter)
" " " " " "	2 "	to be installed, repairing required (with Meter)
" " " " " "	1 "	to be installed, repairing required (without Meter)

6'-0" Horizontal Lathes (Meter Driven)	3 sets	installed, working (with Meter)
" " " "	3 "	to be installed, Able to use (with Meter)
" " " "	1 "	" " " (without Meter)
" " " "	2 "	" " " repairing
" " " "		required (with Meter)
	2 "	" " (without Meter)
8'-0" Horizontal Lathes (Meter Driven, All Geared)	9 "	installed, working (with Meter)
" " (Meter Driven)	2 "	" " " "
" " (" ")	2 "	to be installed, Able to use (with Meter)
" " (Belt Driven, Line Shaft)	6 "	installed, working (with Meter)
10'-0" Horizontal Lathes (Meter Driven, All Geared)	3 "	" " " "
" " " " " "	2 "	to be installed, Able to use (with Meter)
12'-0" Horizontal Lathes (Meter Driven, All Geared)	6 "	installed, working (with Meter)
" " (Belt Driven)	3 "	" " " "
14'-0" Horizontal Lathes (Belt Driven)	1 "	" " " "
" " (Meter Driven, All Geared)	1 "	to be installed, Able to use (with Meter)
16'-0" Horizontal Lathes (Meter Driven, All Geared)	2 "	" " " " " "
No.6 Automatic Horizontal Lathe (Meter Driven, All Geared)	1 "	to be installed, repairing required (without Meter)
No.5 Automatic Horizontal Lathe (Meter Driven, All Geared)	1 "	" " " " " "
Centering Machine (Meter Driven)	1 "	installed, working (with Meter)
No.4 Turret Lathes (Meter Driven, All Geared)	4 "	" " " " "
1070 m/m. Turning Mill (Meter Driven, All Geared)	1 "	" " " " "
90 m/m. Horizontal Boring & Drilling Machine	1 "	" " " " "
(Meter Driven, All Geared)	"4 "	" " " " "
" " " "	"2 "	" " " " "
80 m/m. " " " "	"2 "	" " " " "
75 m/m. " " " "	"1 "	to be installed, Able to use (without Meter)
55 m/m. " " " "	"1" "	to be installed, repairing required (without Meter)
85 m/m. " " " "		
80 m/m.		

1,210 m/m. Radial Drilling Machine (Meter Driven, All Geared)	1 set	installed, working (with Meter)	
1,320 m/m. " " " " "	2 sets	" " " "	
1,450 m/m. " " " " "	1 "	" " " "	
1,730 m/m. " " " " "	1 "	" " " "	
640 m/m. Swing, Vertical Drilling Machine (Meter Driven, All Geared)	4 "	" " " "	
600 m/m. " " " " ")	1 "	" " " "	
560 m/m. " " " " ")	3 "	" " " "	
" " " " " ")	1 "	installed, Repairing (without Meter)	
310 m/m. Swing Sensitive Drilling Machine (Belt Driven)	1 "	installed, working (with Meter)	
340 m/m. " " " "	1 "	" " " "	
500 m/m. " " " "	1 "	" " " "	
100 m/m. Stroke Gear Cutting Machine (Belt Driven)	1 "	" " " "	
8'-0" Plaining Machine (Meter Driven)	1 "	" " " "	
10'-0" " " (" ")	1 "	" " " "	
400 m/m. Stroke Shaping Machine (Meter Driven, All Geared)	1 "	" " " "	
500 m/m. " " " " "	2 "	" " " "	
165 m/m. Stroke Slotting Machine (Meter Driven, All Geared)	1 "	to be installed, Repairing (Without Meter)	
150 m/m. " " " " "	1 "	installed, working (with Meter)	
660 m/m. Swing Plain Grinding Machine (Meter Driven, All Geared)	1 "	" " " "	
1,020 m/m." " " " "	1 "	to be installed, Able to use (with Meter)	
830 m/m. Swing Plain Grinding Machine (Belt Driven)	1 "	installed, working (with Meter)	
80 m/m. Swing Plain Grinding Machine (Meter Driven, All Geared)	1 "	to be installed, repairing required (without Meter)	
630 m/m. Swing Universal Grinding Machine (Meter Driven)	2 "	installed, working (with Meter)	
150 m/m. (Dia. of grinding wheel) Tool Grinding Machine (Meter Driven)	1 "	to be installed, repairing (with Meter)	
250 m/m. (Dia. of grinding wheel) Bit Grinding Machine (Meter Driven)	1 "	installed, repairing (with Meter)	
500 m/m. (Dia. of grinding wheel) Bit Grinding Machine (Meter Driven)	3 "	" working (with Meter)	
" " " " " " "	1 "	" repairing (without Meter)	
" " " " " " "	1 "	to be installed, Able to use (with Meter)	

360 m/m.	(Dia. of grinding wheel) Bit grinding Machine (Meter Driven)	2 sets	installed, working (with Meter)
" "	" " " "	1 set	to be installed, repairing required (without Meter) Burnt
250 m/m.	(Dia. of grinding wheel) Bit Grinding Machine (Meter Driven)	1 "	to be installed, Able to use (with Meter)
150 m/m.	" " " " "	1 "	installed, working (with Meter)
" "	" " " " "	1 "	to be installed, Able to use (without Meter)
380 m/m.	" " " " "	1 "	installed, working (with Meter)
280 m/m.	" " " " "	1 "	" " " "
300 m/m.	Swing Horizental Spindle Internal Grinding Machine (Meter Driven)	1 "	" " " "
140 m/m.	" " " " "	1 "	" " " "
No.2	Plain Milling Machines (Meter Driven, All Geared)	2 "	" " " "
No.1	" " " " "	2 "	" " " "
No.2	Vertical Spindle Milling Machines (Meter Driven, All Geared)	3 "	" " " "
	" " " " "	1 "	installed, Repairing (with Meter)
No.1	Universal Milling Machine (Meter Driven, All Geared)	1 "	" working (with Meter)
10"	Hack Sawing Machine (Meter Driven, All Geared)	1 "	" " " "
8"	" " " " "	1 "	" " " "
	T o t a l	153 sets	

5 tons	Travelling Cranes	3 sets installed, working (with Meter)
2 tons	" "	1 " installed, repairing required (with Meter) Burnt
1½ Tons	Travelling Electric Hoist	1 " installed, working (with Meter)
50 HP.	Vertical Air Compressor	1 " " " " "
50 HP.	Horizental Air Compressor	1 " installed, repairing required (with Meter)
CH-300 Type 5 HP.	" "	3 " installed, working (with Meter)
Tanabe's Type 5 HP.	"	1 " " " " "
15 HP.A.C.	Induction Meter	1 " " " " "
	Total of other Equipments	12 sets

B. Machineries and equipment for Foundry Shop.

The entire Machineries and equipments, which are the remainders after exemption of the following from the total as mentioned in 6 B above, are necessary.

3 ton Cupola	1 set
Wire Straightening Machine	1 "

C. Machineries for Patern Shop.

The entire Machineries, which are the remainders after exemption of the following from the total as mentioned in 6 C above, are necessary.

Wood Milling Machine	1 set

D. Equipments for Heat Treatment Shop.

The entire equipments mentioned in 6 D above are all necessary.

E. Machineries and equipments for inspecting shop.

The entire Machines and equipments, which are the remainders after exemption of the following from the total as mentioned in 6 E above, are necessary.

Froud type water dynamometers	9 sets
Electric Dynamometer	3

F. Steam Boilers and Transformers

The entire equipments mentioned in 6 F above are all necessary.

7. Present stocks of Raw Materials, Supplies and Unfinished Goods.

Raw Materials

1. Government owned

Description	Quantity	Condition
Steel bars and sheets	160,440 kg.	Good, Railway Government's
Pig iron	55,000 kg.	" owned

2. Factory owned

Description	Quantity	Condition
Steel bars and sheets	469,150 kg.	Good
Pig iron	181,000 "	"
Special alloy steel	77,429 "	"
Bronze bars	67,801 "	"
Copper	33,155 "	"
Tin	64,020 "	"
Zinc	46,201 "	"
Lead	17,495 "	"
Nickel	6,969 "	"
Aluminium	1,853 "	"
Ferro alloy	104,598 "	"

Unfinished Goods

1. Government owned

Description	Quantity	Condition
Parts of pig iron casting for Diesel engine	about 182,000 kg.	Pending
Parts of bronze casting for Diesel engine	" 13,000 "	"
Parts of steel bar and sheets cut for Diesel engine	" 120,000 "	"

2. Factory owned

Description	Quantity	Condition
Parts of pig iron casting for Machineries and appliances for locomotives and cars	about 5,400 kg.	Claiming
Parts of bronze casting for Machineries and appliances for locomotives and cars	" 61 "	"
Parts of steel bar and sheets cut for Machineries and appliances for locomotives and cars	" 250 "	"
Parts for pig iron casting for Diesel engine	" 29,000 "	"
Parts for bronze casting for Diesel engine	" 3,100 "	"
Parts of steel bar and sheets cut for Diesel engine	" 29,000 "	"
Feed water pumps	30 sets	Manufacturing
Feed water heater	35 "	"
Sight feed lubricator	50 "	"
Automatic boiler fire door	30 "	"

100 m/m. Bye-path Valve	40 sets	Manufacturing
Door operating engine	100 "	"
Valves and cocks	3000 "	"

Supplies

1. Government owned — None

2. Factory owned

Description	Quantity	Condition
Starting Air compressor for Diesel engine	10 sets	Good
Starting Air Receiver for Diesel engine	54 "	"
Cooling Water Pump for Diesel engine	9 "	"
Cooling Water Plunger Pump for Diesel engine	3 "	"
Magnet for Diesel Engine	67 "	"
Fuel oil pump for Diesel engine	12 "	"
Bearings	14,638 p'cs.	"
Needles	8,000 kg.	"
Steel wire	4,722 "	"
Tape steel	655 "	"
Welding Bar	5,500 "	"
Electric Wires	14,525 m.	"
Machine oil	628 l.	"
Mobil oil	6,394 "	"
Cylinder oil	4,041 "	"
Turbine oil	1,008 "	"
Cutting oil	3,483 "	"
Clenging oil	1,710 "	"
Grease	8,042 kg.	"
Quenching oil	2,052 l.	"
Transformer oil	2,374 "	"
Oil for Foundry	279 "	"
Lucker	8,593 "	"
Paint	3,548 kg.	"
Thinner	3,193 l.	"
Carvid	405 kg.	"
Cement	1,500 "	"
Lumber	120 Koku in Japanese	"
Rubber Belt	353 m.	"
Rubber V-belt	3,052 p'cs.	"
Leather Belt	770 m.	"
Waste	500 kg.	"
Asbestos yarn	1,500 Rolls	"
Asbestos sheet	490 sheets	"

Asbestos mat	1,248 sets	Good
Cork plug	14,500 p'cs.	Good
Borax	1,000 kg.	"
Glue	200 "	"
Hydrochloric acid	675 "	"
Sulphuric acid	459 "	"
Bricks	3,700 sheets	"
Crucible	118 p'cs.	"
Silicate sand	3,400 kg.	"

8. Present stocks of Finished Goods

1. Government owned

Description	Quantity	Condition
15 KW. Diesel Generating Machine	1 set	In Factory, Good, Pending
" " "	9 "	" " " "
15 KVA. " "	8 "	" " " "
25 KW. " "	7 "	" " " "
25 KVA. " "	1 "	" " " "
60 KW. 15 KVA. Generating machine for Diesel engine	13 "	" " " Government supplies
25 KVA. " "	17 "	" " " "
25 KW. " "	11 "	" " " "
100 KVA. " "	6 "	" " " "
25KVA. Switch board for Diesel engine	7 "	" " " "
High Pressure Compressor	2 "	" " " "
T o t a l	82	

2. Factory owned

Description	Quantity	Condition
100 KVA. Diesel Generating Machine	1 set	In Factory, Good, Claiming

9. Present stocks of Fuel

1. Government owned — None

2. Factory owned

Description	Quantity
Coal	274,700 kg.
Coake	15,000 "

Heavy oil	10,980	l.
Light oil	822	"
Petroleum	799	"
Gasoline	562	"
Charcoal	6,300	kg.
Firewood	18,563	"

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

Same as machineries and equipments which appear in the reconversion program into the civil comsumption.

11. Raw materials & supplies needed (monthly)

Raw materials

Description	Quantity a. For Present Capacity(5b2 above)		Quantity b. For maximum (5b3 above)	
Steel bar and sheets	78,000	kg.	111,100	kg.
Pig iron	32,000	"	44,000	"
Copper	23,500	"	34,000	"
Tin	2,400	"	3,500	"
Zinc	1,200	"	1,800	"
Lead	200	"	300	"
Bronze bar	1,100	"	1,800	"
Ferro alloy	600	"	1,000	"

Supplies

Description	Quantity a. For Present Capacity(5b2 above)		Quantity b. For maximum (5b3 above)	
Needles	200	kg.	300	kg.
Steel wire	300	"	450	"
Welding bar	80	"	120	"
Machine oil	560	l.	840	l.
Mobil oil	500	"	750	"
Cylinder oil	36	"	59	"
Spindle oil	54	"	89	"
Dinamo oil	54	"	89	"
Turbine oil	90	"	135	"
Cutting oil	414	"	621	"
Clenging oil	180	"	270	"
Crease	160	kg.	240	kg.

Quenching oil	100 l.	150 l.
Transformer oil	27 "	36 "
Oil for Foundry	90 "	135 "
Luker	382 "	573 "
Paint	360 kg.	566 kg.
Thinner	198 l.	297 l.
Carbid	1,125 kg.	1,867 kg.
Oxygen	360,000 l.	540,000 l.
Lumber	50 Koku in Japanese	75 Koku in Japanese
Rubber belt	50 m.	75 m.
Rubber V-belt	30 p'cs.	45 p'cs.
Leather Belt	65 m.	98 m.
Waste	300 kg.	450 kg.
Asbestos Yarn	12 Rolls	18 Rolls
Asbestos Sheets	60 Sheets	90 Sheets
Cork plug	3,000 p'cs.	4,500 p'cs.
Borax	30 kg.	45 kg.
Glue	20 "	30 "
Hydrochloric acid	54 "	81 "
Sulphuric acid	27 "	41 "
Bricks	2,250 sheets	3,375 sheets
Mortar	600 kg.	900 kg.
Crucible	30 p'cs.	45 p'cs.
Graphite	900 kg.	1,350 kg.
Black tint	900 "	1,350 "
Silicate Sand	6,000 "	9,000 "
Limestone	2,500 "	3,750 "
Oil Sheet	350 "	500 "
Fibre articles	350 "	500 "
Glass articles	280 "	400 "
Rubber articles	210 "	300 "
Asbestos articles	550 "	750 "
Leather articles	170 "	250 "
Conductor's Switch	140 p'cs.	200 p'cs.
Asbestos Mat	200 sets	300 sets

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

Description	Quantity	
Coal	97,000 kg.	(quantity for subcontract included)
Coaks	233,000 "	
Heavy oil	4,200 "	
Light oil	403 "	
Petroleum	200 "	
Gasoline	300 "	
Charcoal	2,445 "	
Firewood	11,734 "	

13. Additional personnel needed (Not locally available) None

14. Prices (Give current selling prices in ¥ of Principal Products)

Description	Unit	Price
Feed water pump	1 p'cs.	¥ 8,440.
Feed water heater	1 "	12,060.
Steam distributor	1 "	815.
Sight feed lubricator	1 set	1,470.
Fire grate rocking cylinder	1 p'c.	945.
Oil pot of steam injecting type	1	105.
70 m/m. Tail rod support	2	2,540.
Automatic boiler fire door	1	2,050.
Sander	1	195.
Lubricating oil pump	1	4,000.
Power Reverser	1	4,600.
Injector	1	2,270.
90x30 m/m. Drain valve operating cylinder	1	265.
50 m/m. Cylinder safety valve	1	230.
100 m/m. Bye-path Valve	2 sets	4,340.
Cylinder drain valve	1 p'cs.	88.
Steam distributing valve	1	405.
50 m/m. Swan neck	1	75.
Safety Valve for car heater	1	230.
Thermo regulator for car heater	1	505.
Steam trap	1	230.
Automatic shut out valve	1	230.
Door operating engine	1	1,945.
All kinds of angle cocks (Average)	1	150.
All kinds of globe valve (Average)	1	150.
All kinds of three way cocks (Average)	1	230.
All kinds of cut off cocks (Average)	1	70.

15. Remarks (Include here any factors hampering production not already mentioned and any recommendations you consider necessary).

1. re materials that constitute narrow paths to production:

Your special consideration is requested upon making the maintenance of projected production possible by getting over the present difficulties with reguard to the acquisition of various kinds of fuels and oils, especially cokes for castings, and gasoline, which are the materials constituting narrow paths to production.

2. re transportation facilities:

A supply of two trucks , new or old, is ardently desired as far as we are always confronted by extraordinary difficulties in light transportation for the reason that this factory is not in possession of its own trucks.

16. Certification by applicant

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

Signed T. Shibata

Title President

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 operations immediately Yes ____ No ____

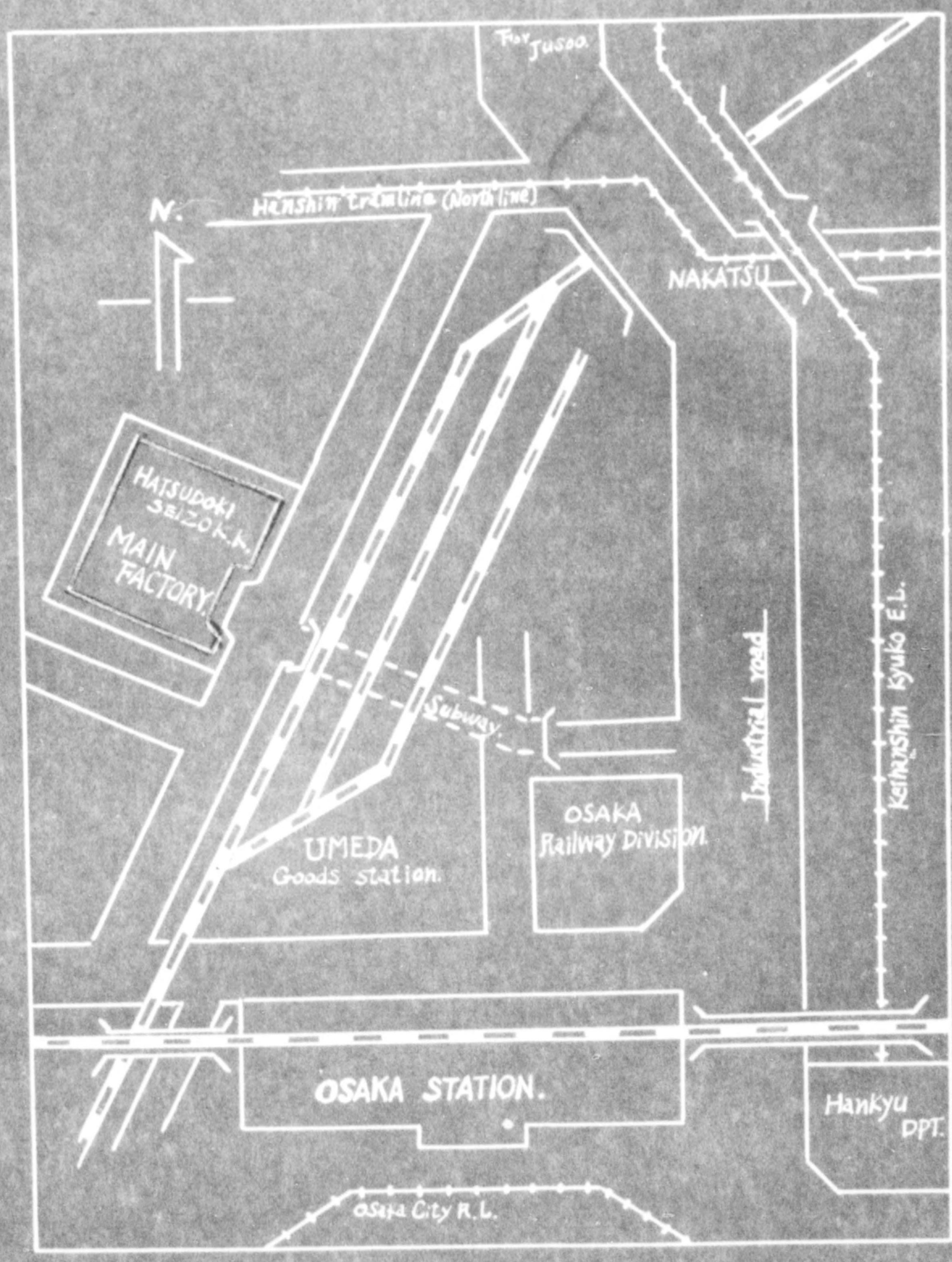
c. Authorized to produce at the following rate

Item to be manufactured	Monthly Quantity

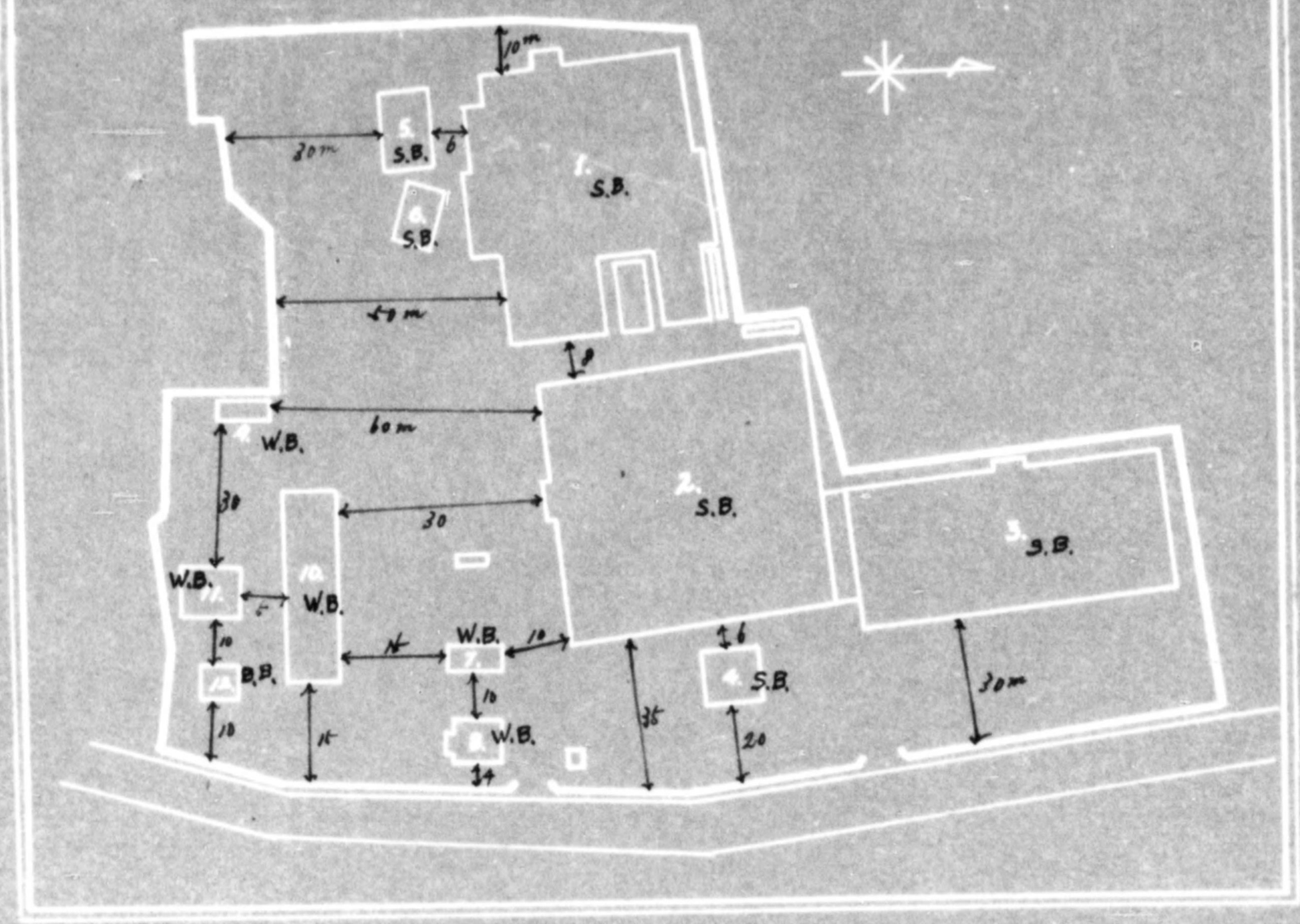
Signature of Authorizing Officer

Designation of Authorizing Unit

MAP FOR FACTORY.



HATSUDOKI SEIZO K.K. MAIN FACTORY.



Name of Building.

1.	Foundry shop.	3,067 m²	7.	Garage.	60 m²
2.	Machine shop.	3,445	8.	Office.	104
3.	Warehouse.	2,198	9.	Warehouse.	76
4.	Boiler room.	182	10.	Warehouse.	467
5.	Pattern shop.	209	11.	Oil Warehouse.	178
6.	Kitchen.	164	12.	Oil Warehouse.	189

Remarks :

W.B. ..... Woodn Building.
S.B. ..... Steel-skelton Building.
B.B. ..... Brick Building.

Total demention of factory buildings 10,500 m²
Area of factory site 29,968 m²