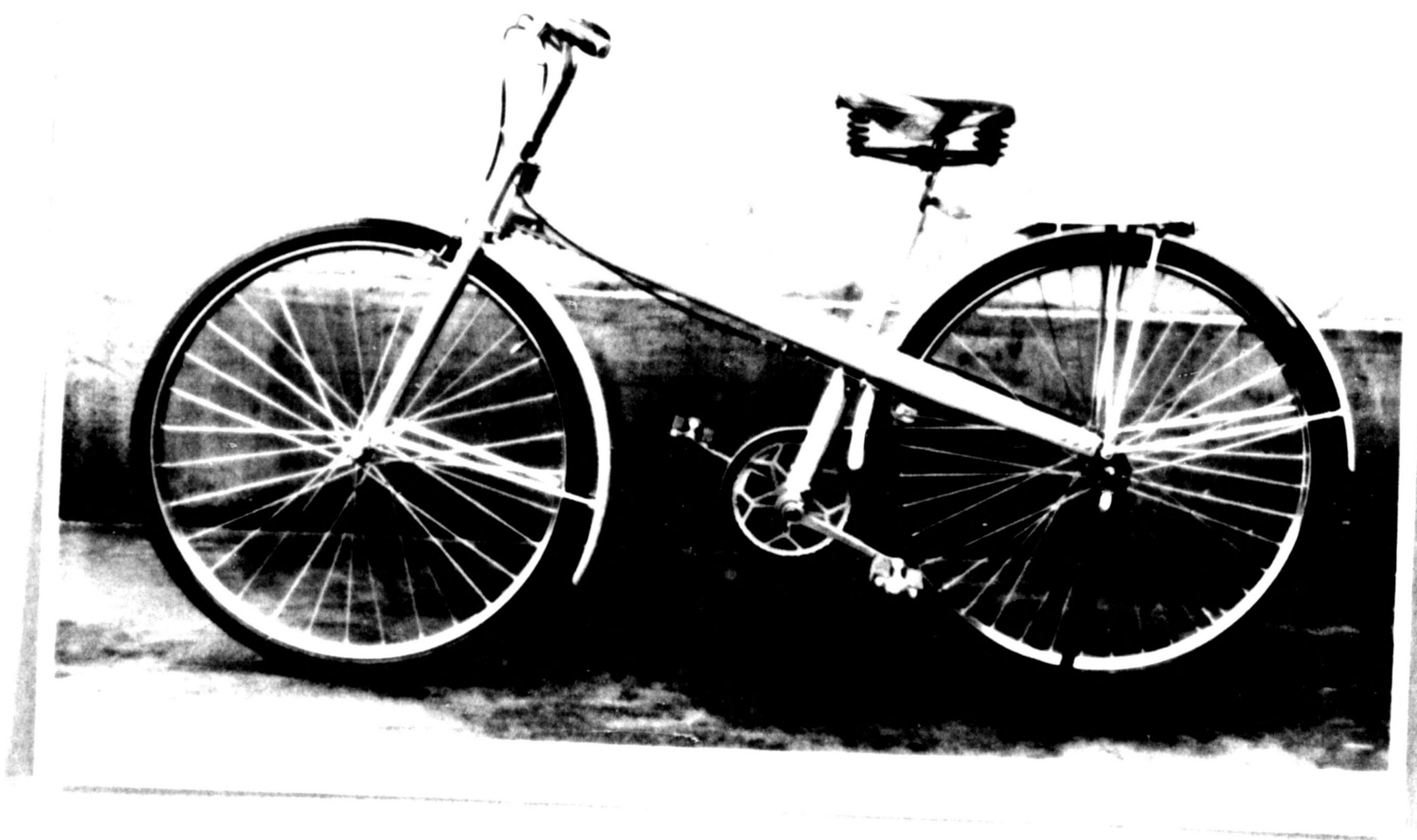


775013



MIE MILITARY GOVERNMENT TEAM
APO 710

No. 23-2-47DATE: 3 November 1947**SUBJECT: Removal or Movement of Machinery**TO : Commanding Officer, Shizuoka Military Government Team, APO 1007.THRU : Commanding Officer, Tokai-Hokuriku Mil Govt Region, APO 710
Commanding General, I Corps, APO 301
(Attn: Mil Govt Section)

1. Permission (is) (~~is not~~) granted to move machinery owned by

Mitsubishi Jukogyo K.K. (Mitsubishi Heavy Ind. Ltd.), Tsu Plant,

27 4-chome, Kamihama-cho, Tsu City, Mie Prefecture.

Riken Denka K.K., 2-100 Magarigane, Shizuoka City,
Shizuoka Prefecture.

From: Mitsubishi Jukogyo K.K., (Mitsubishi Heavy Ind. Ltd.) Tsu Plant,
To : 27, 4-chome, Kamihama-cho, Tsu City, Mie Prefecture.

as listed below:

No.	Description	Maker's Name	Purpose
1	Shaper 23-3A-846	Nishikawa Tekko	To properly repair and maintain.
1	Vertical Miller 23-3A-845	Shizuoka Tekko	"
1	Vertical Miller 23-3A-844	Okuma Tekko	"
1	Counter Miller 23-3A-843	Riken Kogyo	"
1	Radial Drill 23-3A-842	Okuma Tekko	"

FOR THE COMMANDING OFFICER:

DESMOND P. WILSON
Major, FA
Adjutant

MITSUBISHI JYUKOGYO K.K.

TSU PLANT

Date, 10 Feb, 1948

Subject; Report on the results of moving the Reparation's Machinery which have been loaned to Co-operative Factory at Shizuoka Prefecture.

To; Mie Military Government Team.

Thru; Liaison Office.

On 25 January 1948. we received the Reparation's Machinery which have been permitted to move to Tsu Plant Mitsubishi Jyukogyo K.K. from Riken Denka Kogyo K.K. (at Shizuoka Prefecture).

The Code No. and Name of Above mentioned Machinery is as follows.

CODE NO.	NAME OF MACHINE	MAKER	CLASS
23-3A-842	Radial Drill	Okuma Tekko	1
" 843	Counter Miller	Riken Kogyo	1
" 844	Vertical Miller	Okuma Tekko	1
" 845	"	Shizuoka Tekko	1
" 846	Shaper	Nishikawa Tekko	1

Sig. *Naokaz Jui*
NAOKAZ JUI

Plant Manager



第 號

昭和 年 月 日

昭第一四九号

昭和二十二年十一月二十九日

静 县 县 長

理研電化工業株式会社管理担当者殿

設備機械移動許可について

十一月四日附貴申請の標記の件は十一月二十四日附で静县軍政部
本部より別紙の通り許可を以て送付する。

なほ貴社が発送した時は静县軍政部へ報告書を提出願いたい。

記

一、移動台数

五台

二、移動先

津市上津町字目三三菱重工業株式会社津工場

HEADQUARTERS
SHIZUOKA MILITARY GOVERNMENT TEAM
APO 1007

24 November 1947

SUBJECT : "REMOVAL OF MACHINE."
THROUGH : Japanese Liaison Office, Shizuoka.
TO : Riken Denka Kogyo K.K., 100 Magarikane,
2-Chome, Shizuoka-shi.

1. This letter will serve as your authorization to transfer five (5) items of equipment from Riken Denka Kogyo K.K., 100 Magarikane 2 chome Shizuoka-shi to Mitsubishi Jukogyo K.K., 27 Kamihama-cho 4 chome Tsu-shi, Mie-ken in accordance with your application dated 4 November 1947.

FOR THE COMMANDING OFFICER:

FINIS B. JEFFERY,
Major, TC.
Executive Officer.

COPY.

MIE MILITARY GOVERNMENT TEAM
APO 710

SLT/si

23 April 1947

SUBJECT: Permission to remove machinery.

THRU : Liaison Office, Mie Prefecture.

TO : Mitsubishi Jukogyo K.K., Tsu Kojo, (23-3A),
No.27 4-chome, Kamihama-cho, Tsu-shi, Mie Ken.

1. The attached letter, Inclosure 1, gives authority for you to move machines as shown to your plant.

2. Complete the moving by 15 May 1947.

FOR THE COMMANDING OFFICER:

DENNIS P. WILSON
Major, FA
Adjutant.

1 Inclosure: Letter, Hq. Shizuoka Mil Govt Team, subject:
"Permission to remove machinery", dated
21 April 1947.

cc: Chief, Commerce and Industry, Mie Prefecture.
Chief, Public Security, Mie Prefecture.

HEADQUARTERS
SHIZUOKA MILITARY GOVERNMENT TEAM
APO 1007 (SHIZUOKA, HONSHU)

21 April 1947.

SUBJECT: "Permission to remove machinery."

THRU : Commanding Officer, Mie Military Government Team,
APO 710.

TO : Mitsubishi Jukogyo K.K., Tsu Kojo, (#23-3A),
No.27 4-chome, Kasinama-cho, Tsu-shi, Mie Ken.

1. This letter will serve as your authorization to remove fifteen (15) 4 ft. lathes, inventory numbers 23-3A-903, 4, 5, 6, 7, 8, 9, 10, 11, 12; 23-3A-914, 23-3A-977, 23-3A-1005, 6, 7, from Sankyo Kikai Seisakusho, 59 Noguchi-cho, Hamamatsu-shi, Shizuoka-ken to your factory.

FOR THE COMMANDING OFFICER:

/s//t/ Clarence S. Davis
Capt. Inf.
Adjutant.

CO	164-23-47
EX	SPW 4-22-47
ADJ	
C	
CH	
TH	
PW	
LG	
PL	
C-CL	
1st S.	

BASIC: Letter, Mitsubishi Jukogyo K.K. (Tsu Factory), Subject: "Application for permission to move reparation machinery", dated 17 April 1947.

2nd Ind.

Headquarters Shizuoka Military Government Team, APO 1007,
21 April 1947.

TO : Commanding Officer, Mie Military Government Team,
APO 710.

1. Approved.

FOR THE COMMANDING OFFICER:

Clarence S. Davis
Clarence S. Davis
Capt. Inf.
Adjutant.

1 Incl:
1. Permit to remove machinery (5).

APR 22
240-36

BASIC: Letter, Mitsubishi Jukogyo K.K. (Tsu Factory), Subject: "Application for permission to move reparation machinery" dated 17 April 1947.

2nd Ind.

Headquarters Shizuoka Military Government Team, APO 1007,
21 April 1947.

TO : Commanding Officer, Mie Military Government Team,
APO 710.

1. Approved.

FOR THE COMMANDING OFFICER:

Clarence S. Davis
Capt. Inf.
Adjutant.

1 Incl:

1. Permit to remove machinery (5).

BASIC: Ltr., Mitsubishi Jukogyo K.K. (Tsu Factory), Subj: "Application for permission to move reparation machinery", dated 17 April 1947.

1st Ind.

WLT/hy

Headquarters Mie Military Government Team, APO 710, 18 April 1947.

TO: Commanding Officer, Shizuoka Military Government Team, APO 710.

1. Mitsubishi Jukogyo K.K., Tsu Factory, (23-3A), No. 27, 4-chome, Kamihama-cho, Tsu-shi, Mie Prefecture, is a privately-owned reparation plant, added to Reparation List by Operational Directive 5/2, dated 1 June 1946. Said company, in accordance with Operational Instruction No.3, dated 15 February 1947, requests permission to move machines, shown in basic application, from Sankyo Kikai Seisakusho, No.58, Noguchi-cho, Hamamatsu-shi, Shizuoka-Prefecture to Mitsubishi Jukogyo K.K., Tsu Factory, (23-3A), No.27, 4-chome, Kamihama-cho, Tsu-shi, Mie Prefecture, for purpose of centralization, repair, and better security.

2. Approval of basic letter is recommended.

FOR THE COMMANDING OFFICER:

Desmond P. Wilson

DESMOND P. WILSON
Major, FA
Adjutant.

cc: Liaison Office, Mie Prefecture.
Chief, Commerce & Industry Section, Mie Prefecture.
Director, Mitsubishi Jukogyo K.K., Tsu Factory (23-3A),
No.27, 4-chome, Kamihama-cho, Tsu City, Mie Prefecture.

0 0

0 0

MITSUBISHI JUKOGYO K.K.
TSU FACTORY

17th April 1947

Subject: Application for permission to move reparation machinery
To: Mie Military Government Team
Thru: Liaison Office, Mie Prefecture

1. Permission is hereby requested to move reparation machinery belonging to Mitsubishi Jukogyo K.K. Tsu Factory, code number 23-3A, from Sankyo Kikai Seisekusho, No. 58, Noguchi-cho, Hamamatsu-shi, Shizuoka-ken, to Mitsubishi Jukogyo K.K., Tsu Factory, No. 27, 4-chome, Kamihama-cho, Tsu-shi, for the purpose of centralization, repair, and better security.

The list of machine to be moved is shown as follows.

<u>Code No.</u>	<u>Item</u>	<u>Capacity</u>	<u>Maker</u>	<u>Quantity</u>
23-3A-903-912	Lathe	4' - 0"	Sankyo Kikai	10
23-3A-914	do	do	do	1
23-3A-977	do	do	do	1
23-3A-1005-1007	do	do	do	3
			Total	15

Naokaz Yui

NAOKAZ YUI

Manager
Tsu Factory, Mitsubishi
Jukogyo K.K.


HEADQUARTERS
SHIZUOKA MILITARY GOVERNMENT TEAM
APO 1007 (SHIZUOKA, HONSHU)

21 April 1947.

SUBJECT : "Permission to remove machinery."
THRU : Commanding Officer, Mie Military Government
Team, APO 710.
TO : Mitsubishi Jukogyo K.K., Tsu Kojo, (#23-3A),
No.27 4-chome, Kamihama-cho, Tsu-shi, Mie Ken.

1. This letter will serve as your authorization to remove fifteen (15) 4 ft. lathes, inventory numbers 23-3A-903, 4, 5, 6, 7, 8, 9, 10, 11, 12; 23-3A-914, 23-3A-977, 23-3A-1005, 6, 7, from Sankyo Kikai Seisakusho, 58 Noguchi-cho, Hamamatsu-shi, Shizuoka-ken to your factory.

FOR THE COMMANDING OFFICER:


Clarence S. Davis
Capt. Inf.
Adjutant.

encl 1'

HEADQUARTERS
SHIZUOKA MILITARY GOVERNMENT TEAM
APO 1007 (SHIZUOKA, HONSHU)

21 April 1947.

SUBJECT : "Permission to remove machinery."
THRU : Commanding Officer, Mie Military Government
Team, APO 710.
TO : Mitsubishi Jukogyo K.K., Tsu Kojo, (#23-3A),
No.27 4-chome, Kamihama-cho, Tsu-shi, Mie Ken.

1. This letter will serve as your authorization to remove fifteen (15) 4 ft. lathes, inventory numbers 23-3A-903, 4, 5, 6, 7, 8, 9, 10, 11, 12; 23-3A-914, 23-3A-977, 23-3A-1005, 6, 7, from Sankyo Kikai Seisakusho, 58 Noguchi-cho, Hamamatsu-shi, Shizuoka-ken to your factory.

FOR THE COMMANDING OFFICER:

Clarence S. Davis
Capt. Inf.
Adjutant.

Encl 12

HEADQUARTERS
SHIZUOKA MILITARY GOVERNMENT TEAM
APO 1007 (SHIZUOKA, HONSHU)

21 April 1947.

SUBJECT : "Permission to remove machinery."
THRU : Commanding Officer, Mie Military Government
Team, APO 710.
TO : Mitsubishi Jukogyo K.K., Tsu Kojo, (#23-3A),
No.27 4-chome, Kamihama-cho, Tsu-shi, Mie Ken.

1. This letter will serve as your authorization to remove fifteen (15) 4 ft. lathes, inventory numbers 23-3A-903, 4, 5, 6, 7, 8, 9, 10, 11, 12; 23-3A-914, 23-3A-977, 23-3A-1005, 6, 7, from Sankyo Kikai Seisakusho, 58 Noguchi-cho, Hamamatsu-shi, Shizuoka-ken to your factory.

FOR THE COMMANDING OFFICER:

Clarence S. Davis
Capt. Inf.
Adjutant.

encl 1³

HEADQUARTERS
SHIZUOKA MILITARY GOVERNMENT TEAM
APO 1007 (SHIZUOKA, HONSHU)

21 April 1947.

SUBJECT : "Permission to remove machinery."
THRU : Commanding Officer, Mie Military Government
Team, APO 710.
TO : Mitsubishi Jukogyo K.K., Tsu Kojo, (#23-3A),
No.27 4-chome, Kamihama-cho, Tsu-shi, Mie Ken.

1. This letter will serve as your authorization to remove fifteen (15) 4 ft. lathes, inventory numbers 23-3A-903, 4, 5, 6, 7, 8, 9, 10, 11, 12; 23-3A-914, 23-3A-977, 23-3A-1005, 6, 7, from Sankyo Kikai Seisakusho, 58 Noguehi-cho, Hamamatsu-shi, Shizuoka-ken to your factory.

FOR THE COMMANDING OFFICER:

Clarence S. Davis
Capt. Inf.
Adjutant.

Incl 14

HEADQUARTERS
SHIZUOKA MILITARY GOVERNMENT TEAM
APO 1007 (SHIZUOKA, HONSHU)

21 April 1947.

SUBJECT : "Permission to remove machinery."
THRU : Commanding Officer, Mie Military Government
Team, APO 710.
TO : Mitsubishi Jukogyo K.K., Tsu Kojo, (#23-3A),
No.27 4-chome, Kamihama-cho, Tsu-shi, Mie Ken.

1. This letter will serve as your authorization to remove fifteen (15) 4 ft. lathes, inventory numbers 23-3A-903, 4, 5, 6, 7, 8, 9, 10, 11, 12; 23-3A-914, 23-3A-977, 23-3A-1005, 6, 7, from Sankyo Kikai Seisakusho, 58 Noguchi-cho, Hamamatsu-shi, Shizuoka-ken to your factory.

FOR THE COMMANDING OFFICER:

Clarence S. Davis
Capt. Inf.
Adjutant.

Incl 15

BASIC: Ltr., Mitsubishi Jukogyo K.K. (Tsu Factory), Subj: "Application for permission to move reparation machinery", dated 17 April 1947.

1st Ind.

WLT/ry

Headquarters Mie Military Government Team, APO 710, 18 April 1947.

TO: Commanding Officer, Shizuoka Military Government Team, APO 710.

1. Mitsubishi Jukogyo K.K., Tsu Factory, (23-3A), No. 27, 4-chome, Kasihama-cho, Tsu-shi, Mie Prefecture, is a privately-owned reparation plant, added to Reparation List by Operational Directive 5/2, dated 1 June 1946. Said company, in accordance with Operational Instruction No.3, dated 15 February 1947, requests permission to move machines, shown in basic application, from Senkyo Kikai Seisakusho, No.58, Noguchi-cho, Hamanatsu-shi, Shizuoka-Prefecture to Mitsubishi Jukogyo K.K., Tsu Factory, (23-3A), No.27, 4-chome, Kasihama-cho, Tsu-shi, Mie Prefecture, for purpose of centralization, repair, and better security.

2. Approval of basic letter is recommended.

FOR THE COMMANDING OFFICER:

DESMOND P. WILSON
Major, FA
Adjutant.

cc: Liaison Office, Mie Prefecture.
Chief, Commerce & Industry Section, Mie Prefecture.
Director, Mitsubishi Jukogyo K.K., Tsu Factory (23-3A),
No.27, 4-chome, Kasihama-cho, Tsu City, Mie Prefecture.

MITSUBISHI JUKOGYO K.K.
TSU FACTORY

17th April 1947

Subject: Application for permission to move reparation machinery.

To : Mie Military Government Team.

Thru : Liaison Office, Mie Prefecture.

1. Permission is hereby requested to move reparation machinery belonging to Mitsubishi Jukogyo K.K. Tsu Factory, code number 23-3A, from Sangyo Kikai Seisakusho, No. 58, Noguchi-cho, Hamamatsu-shi, Shizuoka-ken, to Mitsubishi Jukogyo K.K., Tsu Factory, No.27, 4-chome, Kamihama-cho, Tsu-shi, for the purpose of centralization, repair, and better security.

The list of machine to be moved is shown as follows.

<u>Code No.</u>	<u>Item</u>	<u>Capacity</u>	<u>Maker</u>	<u>Quantity</u>
23-3A-903-912	Lathe	4' - 0"	Sankyo Kikai	10
23-3A-914	do	do	do	1
23-3A-977	do	do	do	1
23-3A-1005-1007	do	do	do	3
			Total	15

NAOKAZ YUI

Manager
Tsu Factory, Mitsubishi
Jukogyo K.K.

Mitsubishi Letter

Nov. 8, 1945

Mitsubishi 3rd Factory

Machines, Tools and Raw Materials in Ise Naval Arsenal
which we want to move in order to keep them in
good condition.

In Railway Platform

Machines:	Engine Lathes	28 ✓
	Shapers	0
	Grinders	1 ✓
	Radial Drills	2 ✓
	Drills	0 ✓
	Milling Machines	5 ✓
	Planers	2 ✓
	Presses	2 ✓
	Total	40

日本標準規格 B列5番 (資料) 178

No. 1

775013

2. In No. 2 Shop		
Machines	Engine Lathes	7 ✓
	Shapers	9 ✓
	Grinders	5 ✓
	Radial Drills	1 ✓
	Drills	4 ✓
	Milling Machines	10 ✓
	Slotters	3 ✓
	Woodworking Machines	9 ✓
	Sawing machines	1 ✓
	Total	49
Tools	Pneumatic Riveters	5
	Tool Drills	2
	Torch Cutters	2
	Welding Machines	2
	Vices	270
Templet, Measuring and Finishing Tools		Some

日本標準規格 B列5番 (重) 1178

No. 2

775013

Materials:	Plates	
	0.9 ⁺ x 1000 x 2000	48
	1.5 x 500 x 2000	36
	2.5 x 500 x 2000	18
	3.2 x 1000 x 2000	9
	8 ⁺ x	3
	12 ⁺ x	1
	14 ⁺ x	1
	20 ⁺ x 1000 x 2000	5
	25 ⁺ x 9500 x 1700	6
	5 ⁺ x 1200 x 2500	4
	6 ⁺ x 1200 x 2500	5
	8 ⁺ x 1200 x 2000	1
	[Type	
	180 x 75 x 10 x 1200	4

日本標準規格 B列5番 (量知) 178

No. 3

775013

L Type	
40 x 40 x 5" x 6000	400
30 x 30 x 3" x 6000	600
50 x 50 x 6" x 8000	45
65 x 65 x 8" x 9000	20
100 x 100 x 10" x 9000	6
8 th Rails	
5.500	110
Bars	
8"	2
13"	12
8" x 4.500	80
16" x 3.500	475
19" x 5.500	92
25 x 5.500	35
45 x 5.000	2

921(104番) 番 5列 B 規格 日本標準規格

Nr. 4

35" x 6000	1
80 x 4000	1
12" x 2000	6
20" x 3000	16
100" x 1800	2
Aluminium Block	40,000 ^{kg.}
Wood	10 Hoku
1000 x 2000	383
Resin Plates	
1000 x 2000	240
Bolts, Nuts	
6" ~ 12"	16000

日本標準規格 B列5番 (昭和) 81178

No. 5

Pins		
Guide Pins		2400
L Type		1700
Taper Pins		1642000
Each Type		29000
Furniture		
Working tables		48
Desks		48
Blackboards		11
Lockers		6
Card's case		21
Bins		38
3	Date to move	Nov. 19 ~ Dec 31
4	Lebanon	about 50 men

日本標準規格 B列5番 (昭和)

Nb. 6

Tsu Plant
MITSUBISHI JUKOGYO K.K.

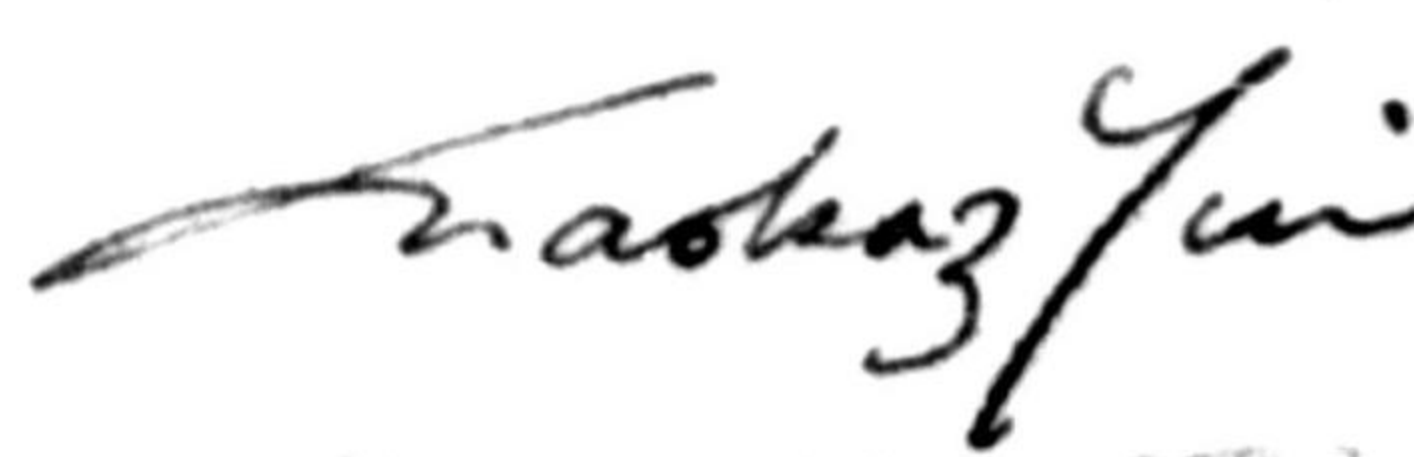
March 17, 1947

Subject: Acknowledgement of Machinery and Equipments
of Tsu Plant.

To: The Military Government Team.

It is acknowledged that the following machinery
and equipments installed or stored in the compound of the Tsu
Plant belong to Mitsubishi Jukogyo K.K.:

1. Machinery, heat-treating equipment, and
electro-plating equipment.
2. Electrical equipments.
3. Air piping and its auxiliary equipments.



NAOKAZU YUI
Manager,

APPLICATION FOR RELEASE OF NON-REPARATION FACILITIES
IN FORMER MILITARY INSTALLATION
(Privately Owned Reparation Installation)

28 February 1947

1. Location of the property in terms of map number, map scale, and military grid coordinates and the Chome-Cho-ku address, if known.

Map number is 5451-III. Map scale is 1:2000
Military grid coordinates are 1151.7-1301.7
The installation is Mitsubishi Heavy Industries Ltd., Aircraft Liquidation & Conversion Office, Tsu Factory.
Installation Code Number is 3.
Address: 27, 4-chome, Kamihama-cho, Tsu City, Mie Prefecture.

2. Number & Type of Facilities:

NAME	TYPE	NUMBER(Total)
Surface Plate	300 mm x 300 mm x 60 mm	51
Milling Vice	100 m/m	6
Bench Vice	5"	92
Vice	6"	800
Vernier Calipers	300 mm	3
Level		1
Planimeter		2
Clinometer		1
Center Gauge		556
Inside Measurement		12
Gauge		800
Outside Micrometer		115
Cutter		1390
Wood-working Hand Feed Planer	16"	2
Wood-working Band Saw		2
Wood-working Lathe	4'	3
Wood-working Miller		1
Wood-working Round Saw		1

NAME	TYPE	NUMBER(Total)
Wood-working Moulder		2
Chisel Mortiser		2
Sand Paper Grinder		2
Oil Separater		5
Projector		1
Static Condenser	3300 V 100 KVA	3
do	3300 V 30 KVA	1
Hand Shear		18
Foot Squeezer		60
Fan		7
Blower	1 HP	2
Bit (for lathe)		8950
Washing Bath		1
Water Tank		10
Heat Treatment Bathø		14
Panel		5

3. General Description of Facilities:

These facilities were used for the manufacture of aircraft during the war, and are in good condition. It is to be noted that this installation was seized by the tactical troops.

No improvements have been made by the Occupation Forces.

4. Proposed Use:

It is proposed that these facilities be used for the manufacture of Essential Consumers' Commodities.

5. Recommendation:

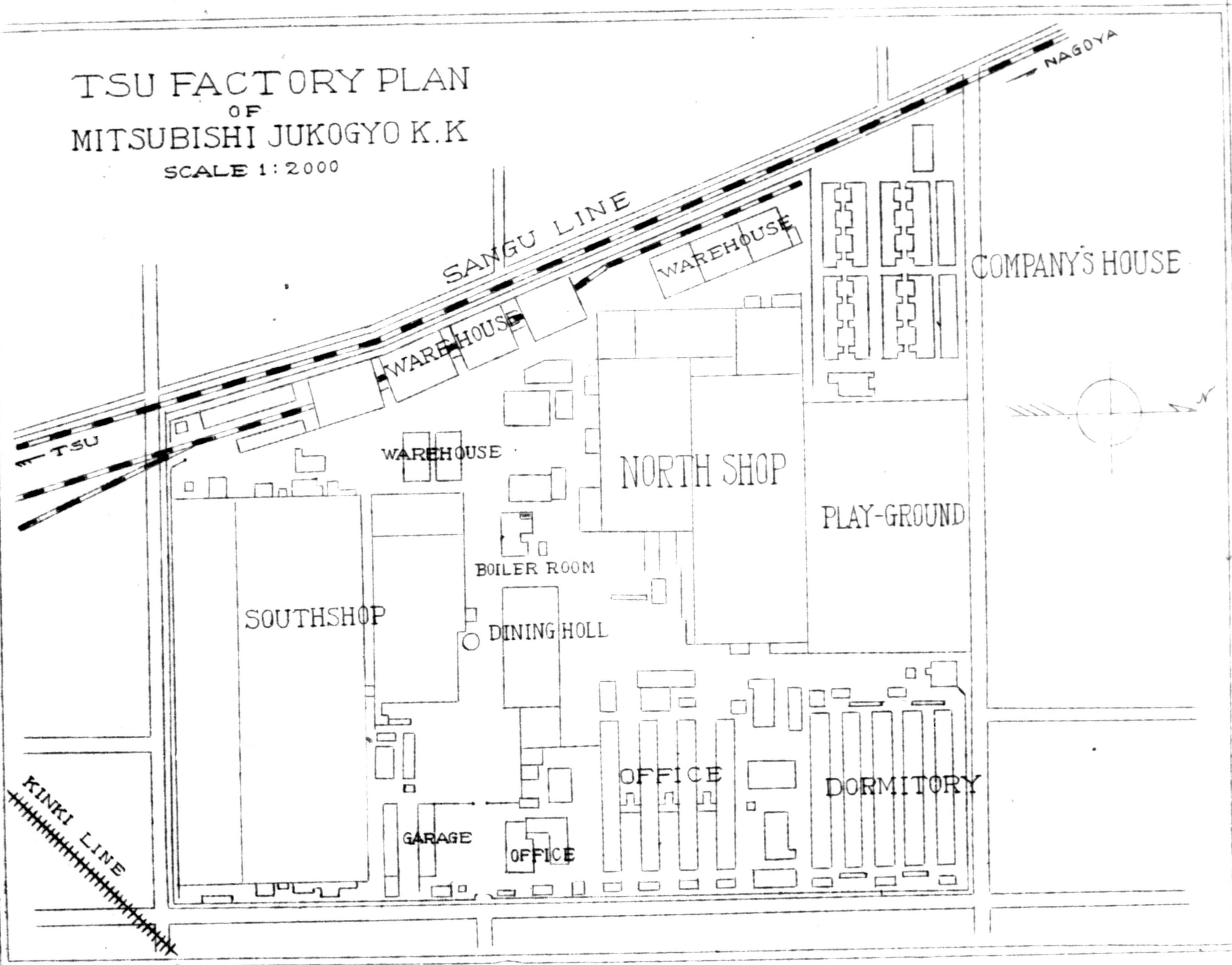
Tomohide Okuda
TOMOHIDE OKUDA

Chief, Commerce & Industry Sec.,
 Mie Prefecture Government.

Ichiro Miyamoto
ICHIRO MIYAMOTO

Chief, Liaison Office,
 Mie Prefecture.

TSU FACTORY PLAN
OF
MITSUBISHI JUKOGYO K.K
SCALE 1:2000



MIS MILITARY GOVERNMENT TEAM
APO 710

6 February 1947

SUBJECT: Letter of Transmittal.

TO : CG, 25th Division Artillery, APO 25
(Attn: War Material Section)

1. Transmitted herewith is Inclosure 1, applying for the release of a former seized target, a Privately Owned Reparation Installation, the Mitsubishi Jukogyo K.K. (23-3A), Kamihama-cho, Tsu City, Mie Prefecture, consisting of 87 buildings. Inclosure 2 is a map showing location of the buildings.

2. Subject buildings, constructed in 1926 for spinning and weaving textiles, are requested for the manufacture of essential consumer commodities.

3. Since said buildings are not needed to house reparations machinery or for use of the Occupation Forces, it is recommended that they be released to the Japanese Home Ministry.

ARTHUR G. GEORGE
Major, Inf.
Commanding.

2 Inclosures:

- Incl.1 - Application for Release of Privately Owned Reparation Installation. (6 copies)
- Incl.2 - Map showing location of buildings. (6 copies)

Mitsubishi (314)

BASIC: Ltr, GHQ SCAP, subj: "Return of Inventories for Correction", dtd 7 Feb 47

3rd Ind

GNM/ss

Hq Tokai-Hokuriku Mil Govt Region, APO 710, 17 Feb 47

TO: CO, Mie Mil Govt Team, APO 710

Your attention is directed to basic communication.

BY ORDER OF COLONEL FURNELL:

Frank M. Wilkins

FRANK M. WILKINS
Laj FA
Adjutant

3 Incls:
n/c

compliance made on 18 Feb. '47 - wjt

BASIC: Ltr, GHQ SCAP, subj: "Return of Inventories for
Correction", dtd 7 Feb 47

3rd Ind

GNM/ss

Hq Tokai-Hokuriku Mil Govt Region, APO 710, 17 Feb 47

TO: CO, Mie Mil Govt Team, APO 710

Your attention is directed to basic communication.

BY ORDER OF COLONEL BURNELL:

FRANK M. WILKINS
Maj FA
Adjutant

3 Incls:
n/e

BASIC: Ltr, GHQ SCAP, subj: "Return of Inventories for
Correction", dtd 7 Fe b 47

3rd Ind

GNM/ss

Hq Tokai-Hokuriku Mil Govt Region, APO 710, 17 Feb 47

TO: CO, Mie Mil Govt Team, APO 710

Your attention is directed to basic communication.

BY ORDER OF COLONEL BURNELL:

FRANK M. WILKINS
Maj FA
Adjutant

3 Incls:
n/e

Ltr, GHQ, SCAP, subj: "Return of Inventories for Correction", dtd 7 Feb 47.

AG 386.3 (MG-Em)

1st Ind

12

Headquarters Eighth Army, APO 343

TO: Commanding General, I Corps, APO 301

Attention is invited to the basic communication.

BY COMMAND OF LIEUTENANT GENERAL EICHELBERGER:

8

R. Schaefer
R. SCHAEFER
Lt. Col., AGD U
Asst. Adjutant General.

P-mc
HQ. I CORPS
AG...*ool*

3 Incls: (n/c)

AG 004 (Rep) - BA

2nd Ind

EHN/ks

Hq I Corps, APO 301, 15 FEB 1947

TO: CO, Tokai-Hokuriku Mil Govt Region, APO 710

Your attention is directed to basic communication.

BY COMMAND OF MAJOR GENERAL WOODRUFF:

H.B. Taylor
TAYLOR
MAJOR, A.S.D.
ASST. ADJ. GEN.

3 Incls:
n/c

35383

7610 57

MIE MILITARY GOVERNMENT TEAM
APO 710

UNOFFICIAL NOTE

3 February 1947.

SUBJECT: Portable Drills, and Portable Grinders,
Mitsubishi Heavy Industry, Ltd. (3A), Mie Prefecture.

TO : Chief, Reparations Branch, Industrial Division,
ESS, GHQ, APO 500, Tokyo, Japan.

1. It is to be noted that subject company had the following portable drills and portable grinders of like nature, both as to type, class and condition:

Portable Drills

<u>Inventory Number</u>	<u>Number of drills included under this number</u>
829	2700
830	76
831	584
832	727
833	18
834	2
835	11
836	45
837	14
839	15

Portable Grinder

841	8
-----------	---

2. It is belived that these small machines are an exception in the inventory. For this reason, the said company was permitted to include many machines under one inventory number and on one inventory sheet. If this is not accepted, please tell the bearer and we will have company type the abovementioned machines on separate inventory sheets.

NO SIGNATURE

Jack T.

ms

1967

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS

AG 387.6(7 Feb 47)ExRep/IEC

APO 500
7 February 1947

SUBJECT: Return of Inventories for Correction

TO: Commanding General, Eighth Army, APO 343

1. Reference is made to the unofficial note from MIE Military Government Team dated 3 February 1946, copy attached, and to Operational Directive 5/4 Headquarters, 8th Army dated 22 August 1946.

2. It will not be necessary to type a separate inventory sheet for each machine but each machine inventoried should be given a separate consecutive number. Single inventory sheet may be submitted for a group of identical machines, provided that all machine numbers (line B on Inventory Sheet) are shown.

EXAMPLE:

2700 identical portable drills should be shown as:

B. Code Number:	23	3(A)	829-3528
	Prefecture	Plant	Machine

The next group should be numbered:

B. Code Number:	23	3(A)	3529-3604
	Prefecture	Plant	Machine

and so on through the entire lot.

3. The inventory sheets referred to in the attached unofficial note are returned herewith for correction in accordance with instructions contained in Operational Directive 5/4 and paragraph 2 of this letter.

BY COMMAND OF GENERAL MacARTHUR:



A. J. REHE
Major, AGD
Asst Adj Gen

- 3 Incls
1. Unofficial note
2. Plant cover sheet
3. Inventory sheets (1 - 1007)

Mitsubishi File

Mitsubishi Heavy Industries Ltd.
Tsu Factory.

About the Bottle neck in the Restricted Company.

1. In case we intend to add some kinds to the former products in order to meet the public demands, we want to be given Official Temporary Permit by the Military Government Team concerned, not Central GHQ.
2. In case we intend to construct or enlarge the equipments, and want to get Official Permit for it, it takes so many days - several months at most - before we get Official Permit that our operation is much hindered by this.
So we want the process to be rationalize and to get the Permit sooner, when the account for construction is not so much.
3. When we intend to amend some parts of the buildings, we usually spend so many days before we get Official Permit for it.
If it might be permitted to repair the damaged by sending just a report on it, we should be benefitted so much.
4. In case of separating or liquidation of the assets, the process to be taken is so strict and complicated.
But we want more simple process when the amount of money is not so large.
5. In case the building or the equipment is to be loaned and the rent is not so dear, we want to be permitted the loan without a submission of an application for Official Permit.

MIS MILITARY GOVERNMENT TEAM
APO 710

22 November 1946

SUBJECT: Plant #3, (23-3), Mitsubishi Jukogyo, 27, h-chome
Hakuba-cho, Toy City, Mie Prefecture.

TO : Commanding General, Hq. Eighth Army, APO 313.
(Attn. Military Government Section).

THRU : Military Channels.

1. Reference.

a. Operational Directive No. 5/7, Hq. Eighth Army,
dated 4 November 1946.

b. Ltr, Hq. I Corps, dated 13 November 1946, subject:
"Improvement in Separation Plants."

2. In compliance with references a. and b., Inclosure 1 is
forwarded for your information.

FRANK L. HOCK
Lt. Col. Inf.
Commanding

1 Inclosure - Inspector's Report (Form MIP 30)
dated 22 November 1946, (5 copies).

Central File Copy

MGP 30

EXPEDITORS REPORT

Date 22 November 1946

1. Company name. Mitsubishi Jukogyo,
#3 Plant (23-3)
2. Street address: 27, 4-chome Kamihemacho,
Tsu City, Mie Prefecture.
3. Telephone: 231 Resident manager: N. Yui
4. Indicate whether on hand:

Sample Yes	Approved by 8th Army Eng.	Date 24 August 1946
Specs Yes	Approved by 8th Army Eng.	Date 12 April 1946
5. Raw materials: (Type & quantities requested, allocated, on hand, due, critical factors) Requested and due, 45 tons steel sheet, thickness 1-3 mm. Allocated-none. Critical factors-none. On hand-18 tons aluminum plate, 1.2 mm thickness.
6. Packing materials: (Type & quantities requested, allocated, on hand, due, critical factors) Requested and due, 1,000 koku timber. Allocated-none. On hand-500 koku. Critical factors-difficulty in obtaining timber for packing.
7. Shipping instructions: (Knowledge of consignee, method of transportation, critical factors) Received instructions for past shipments through Mitsubishi Denki Company, Nagoya, from Major Outland. 140 Ranges shipped to Komaki Air Field, Aichi Prefecture from 5 to 7 Of November, 1946 and flown from there to Korea.
8. Inspection: (Comparison to standard, tests, workmanship, compliance w/specs) Test check sheets are used for each electric range, covering every part of range. Inspection sheets are being made for refrigerators.
9. Factory data: (No. of shifts, employees, equipment, space, organization) 1,8 hour shift, 6 days a week. 732 employees. 221 machines. 2 buildings with total area of 32,000 sq. yards. Co. reconverted from Aircraft to Allied Production. ^{Believed operating efficiently, considering} delay in obtaining materials.
10. Remarks: (Completed stocks on hand, difficulties, anticipated delays, date and amounts of next delivery, will schedule, be met, opinions) Refrigerators-none. Electric ranges-79. Electricity available only 5 days a week. No information received on next shipment but schedule will be met.
11. Action taken locally: Close liaison is being made with Industrial Section of Prefecture regarding delay of necessary materials. ie-coal, coke, carbide, gasoline, used for power in production. Request for additional electricity refused.
12. Recommendations:
 - a. Recommend the Army give orders for the shipment of 79 ranges now on hand.
 - b. Recommend that 16 tons coal, 6 tons coke, 2½ tons carbide, 250 drums of gasoline, be allocated this company.
 - c. Recommend additional 8 hour supply of electricity per week.

Expeditor

Forward copies in triplicate directly to Military Government Section, Headquarters Eighth Army, APO 343, attention Procurement Division. Attach copies of any manufacturers catalogues or other printed matter indicating size, type, or capabilities of company.

Central File Copy

13. Order data:

LD No.	Item No.	Item	Total Quantity	Unit	Scheduled Delivery Dates - Amts	Actual Delivery Dates - Amts	Remarks
19-748	1.	Electric range	660	ea.	Last of each month in amounts as required.	Last of each month in amounts as required.	none
None	2.	Refrigerators	865	ea.	1 March 1947 in amounts as required.	None made yet	none

14. Production data: (Refer to 13 above, include non-occupation force production.)

PD or LD No.	Item No.	Item	Actual capacity per month	Potential capacity per month	Remarks (Potential capacity obstacles)
None	1.	Bicycles	10 (In the process of experimentation)	500	Difficulty in securing materials. Shortage of Electricity.

MIE MILITARY GOVERNMENT TEAM
APO 25

August - wht
2 July 1946

SUBJECT: Permit to begin manufacture of refrigerators
and electrical appliances.

TO : MITSUBISHI COMPANY, Tsu Works #3, Mie Prefecture.

1. The purpose of this letter is to inform you that you can begin manufacture of refrigerators and electrical appliances as requested by the FIFTH Air Force. Necessary OD 5 machines may be used to rapidly expedite this work.

2. The official form permit will be forwarded to you at later date, showing the number of each of abovementioned items that can be manufactured by your company.

3. No other items will be manufactured.

W. L. Thompson
W. L. Thompson
Resources and Industry
Official

Incl.

1 Prefecture Governor, Mie Prefecture

Copy has been passed to the web

MIE MILITARY GOVERNMENT TEAM
APO 25*August - wht*
2 July 1946

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TO : MITSUBISHI COMPANY, Tsu Works #3, Mie Prefecture.

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W. L. Thompson
Resources and Industry
Official

Incl.

1 Prefecture Governor, Mie Prefecture

*Delivered by hand to above company,
0830, 2 July 1946. wht*

Sept. King:

Mr. Thompson

I called Col Nelson,
3 Corps, and he said
it would be OK for the
Mitsubishi Co of Jsu to
go ahead with the mfg.
of Electrical resistors
and Elic refrigerators
on verbal authority pending
approval of their formal
application. This due
to the urgent need for
these items.

C. E. Quinn
Major TS.

OFFICE OF THE ENGINEER

OFFICE MEMO

31 July 46
Date

From:

Lt Harry

To:

Mr Thompson

I have asked Mr Cusley to stop & see you regarding Mitsubishi. The application has gone into I Corps for approval and will be returned directly to you.

Thanks for all the trouble you have gone to on this plant & hope you are able to let them start on the verbal order of Col Nelson. By the time any production is under way the application will be back as the first couple of weeks will be spent making dies. Thanks again
Lt Harry

HEADQUARTERS 1 CORPS
APO 301 (Kyoto, Honshu)

LN/yt
24 Aug. 1946

Ref: 19 - 432
004 - BA

SUBJECT: Permit for Reconversion from War Production and for Re-
subption of Production of Essential Civilial Commodities.

TO : Mitsubishi Jukogyo K.K., No. 3 Plant, Tsu Branch
(Name and Address of Firm)

27, 4-chome, Kamihama-cho, Tsu-shi, Mie-ken

1. a. In accord with paragraph 3, 5, Directive Number Three (3) from the Supreme Commander to the Imperial Japanese Government, dated 22 September 1945, the Mitsubishi Jukogyo K.K., No. 3 Plant, Tsu Branch (Name of Firm)

is permitted to immediately start production of a. Electric ranges (Name of items)

b. Electric refrigerators c. Bicycles (NOTHING FOLLOWS)

b. Maximum production currently authorized is (monthly)

a. 200 b. 130 c. 5,000

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 other-wise 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 any hereafter be issued by the Supreme Commander for the Allied Power or by this headquarters.

BY COMMAND OF MAJOR GENERAL WOODRUFF:

Info copy to:

GHQ, SCAP (Attn: E33) (1) (w/incl)

GHQ, SCAP (Attn: G-2) (1) (w/incl)

CG Eighth Army

(Attn: Mil Govt)

CO Tokai MG Region Hq and Hq Det (1)

CO Mie MG Team (1)

Kyoto Liaison Office

Governor of Prefecture concerned (1)

~~/s/ Karl W. Marks~~

/t/ KARL W. MARKS

Lt Col, AGD

Asst Adj Gen

*True copy of Permit
Given to subject
Company wht*

TSU FACTORY
MITSUBISHI HEAVY INDUSTRIES, LTD.
27, 4-chome, Kamihama-cho, Tsu City, Mie Prefecture

5. July 1946

To: MILITARY GOVERNMENT

Subject: Supplementary to the application for Reconversion of
Tsu Factory

Dear Sir:

With reference to our application of and report on industrial facilities dated 8. March 1946, we submit you herewith the statement of revision to the said application for your approval.

Economic and social situation of this country has changed much during the last few months after our original application has been filed and in order to meet the public demand by the suggestion of the Japanese Government we are forced to change our production plan.

While we have completed the production of wall-locker and are now engaging the manufacture of electric range (stove) for which the permission has been granted by I Corps on 12 April 1946, we have received order of electric apparatus such as electric refrigerator, heater, and fan from U.S. Army through the Mitsubishi Denki K.K. (Mitsubishi Electric Manufacturing Co.).

At the same time the Ministry of Commerce and Industry, Imperial Japanese Government requested us to start the production of new style bicycle.

In view of this fact, we have changed our original plan and intend to submit you herewith the statement of revision for your approval.

Truly Yours

Shobazumi
Manager, Tsu Factory,
Mitsubishi Heavy Industries
Ltd.

Incl:

A. Supplementary Application

B. Appendix:

- (1) A sketch of bicycle
- (2) A copy of the permit-
electric range and wall locker
- (3) Recommendation from the Commerce
and Industry Ministry
- (4) Recommendation of the Mie Governor

**Supplementary Application for Conversion of
and
Report on Industrial Facilities**

5. July 1946

To: Military Government
Thru: Governor of Mie Pref.

Name of Facility: Tsu Factory, Mitsubishi Jukogyo K.K.
(Branch of No. 3 Plant)
Location: 27, 4-chome, Kamihama-cho, Tsu City, Mie Ken
Name of Manager: Naokazu Yui

Revision

1. For Paragraph 5 a 3
Principal products planned for 1946-1947
 - a) Items listed on the original application and to be cancelled by this revision
 - Agricultural machines and instruments
 - Part-making and repair of vehicles
 - Medical instruments
 - Metal furniture
 - Commodities
 - b) Items to be added
 - Electric refrigerator
 - Press-work for electric implements
 - Bicycle

2. For Paragraph 5 b 3
Capacity 1946-1947 (maximum)

Electric range (stove)	200 units	monthly
Electric refrigerator	150 units	monthly
Bicycle	5,000 units	monthly

3. For Paragraph 5 c 3
Number of employee 1946-1947 (maximum)

Electric range (stove)	250
Electric refrigerator and press work	150
Bicycle	800
Office work	100
Total	1,300

4. Per Paragraph 10

Machinery and equipment needed for maximum production

Item	Capacity	Maker	Quantity			Total	
			S	R	B		
Horizontal Lathe	8 feet	Ikegai	3	1	1	1	3
do	6 feet	Okuma	7	11	2	2	15
		Ikegai	2				
		Toyo	4				
		Hirao	2				
do	4 feet	Shimamoto	2	6	0	0	6
		Washino	2				
		Kiryu	2				
Vertical Milling Machine	No. 1	Wanderler	1	1	0	0	1
do	No. 2	Cincinnati	1	2	0	6	8
		Gasuden	5				
		Ikegai	2				
do	No. 3	Cincinnati	1	0	1	0	1
Plain Milling M/C	No. 1	Fritz Werner	1	1	0	0	1
do	No. 2	Cincinnati	1	1	3	10	14
		Ikegai	6				
		Hidachi	5				
		Karatsu	1				
		Gasuden	1				
Radial Drilling M/C	12 TL	Raboma	1	1	0	0	1
do	1000 m/m	Wakamatsu	1	0	0	1	1
do	4 feet	Karatsu	1	0	0	1	1
Upright Drilling M/C	16 inch	Washino	2	2	0	0	2
do	22 inch	Narata	1	2	0	0	2
		Cincinnati	1				
do	2 spindle	Mitsubishi	1	1	0	0	1
		Denki					
do	MBA-1	do	3	0	3	0	3
do	No. 2	Seikenki	2	0	0	4	4
		Tohoboeki	1				
		Yoshida	1				
Shaping Machine	24 inch	Chiba	2	1	1	1	3
		Nakagawa	1				
do	16 inch	Wakayama	2	0	1	1	2
Gear Hobbing Machine	500 mm	Karatsu	1	1	0	0	1
do	RS-00	Pfunter	1	1	0	0	1
Gear Generator	No. 2	Okamoto	1	0	0	1	1
Slotter	8 inch	Hirao	1	0	0	1	1
do	10 inch	Shibayama	1	1	0	0	1
do	25x280	Toka Co.	1	0	0	1	1
Broaching Machine	800	Schatto	1	0	0	1	1
Thread Miller short floor		Tsugami	2	1	0	7	8
		Nagoyarashi	3				
		Wanderer	3				
Turret Lathe	No. 3	Werner	4	1	0	3	4
do	No. 4	do	1	1	0	2	3
		Kokusan	2				

Turret Lathe	No. 5	Kokusan	1	0	0	1	1
do	No. 2s	Herbert	12	3	0	9	12
do	FD-47	Pittler	2	0	0	2	2
do	No. 2	Teikoku	16	0	0	36	36
		Seimitsu					
		Kiryu	5				
		Wakayama	6				
		Kokusan	9				
do	No. 1	Ferashima	10	0	0	13	13
		Herbert	3				
Automatic Turret Lathe		New Britain	1	0	0	1	1
		Gridley					
Internal Grinding M/C T-72		Toyokogyo	1	0	1	0	1
Centerless Grinding No. 2		Cincinnati	1	0	1	0	1
Machine							
Hack Sawing Machine	18 inch	Washino	2	2	0	0	2
Bevel Gear Shaper	12 inch	Osakaseisa	1	1	0	0	1
do	3 inch	Gleason	1	0	0	1	1
Surfacing Lathe	40 inch	Shoun	1	0	1	0	1
Planner	12 feet	Matsumoto	1	1	0	0	1
Horizontal Boring	B-70	Union	1	1	0	0	1
Machine							
Tapping Machine	UG-3	Hahn Kolb	1	1	0	0	1
Universal Grinding	10x24	Lendio	1	1	0	0	1
Machine	inch						
do	10x24	inch do	1	1	0	0	1
Rotary Surface Grinder		Umezu	1	0	0	1	1
Hydraulic Press	500 T	Komatsu	1	1	0	0	1
Square Shear	3x1250	Osakabankin	1	2	0	0	2
	m/m	Utsunomiya Kikai					
do	3x2000	Osakabankin	1	1	0	0	1
	m/m						
Friction Press	200 T		1	1	0	0	1
do	100 T	Aida	1	2	0	0	2
			1				
do	30 T	Yamakawa Press	1	1	0	0	1
do	20 T	Nippon Press	1	1	0	0	1
Crank Press	100 T	do	1	1	0	0	1
do	50 T		1	1	0	0	1
do	20 T	do	1	2	0	0	2
		Yamakawa Press	1				
Coco Stamp	38x48	Sumitomo Kikai	1	0	1	0	1
	inch						
Arc Welder	6 KW	Nituba	1	1	0	0	1
do	12.5 KW	Horioka Sutenres	1	2	0	0	2
		Osaka Henateuki	1				
do	15 KW	Taiden	1	1	0	0	1
Spot Welder	1 type	Dengenaha	2	0	2	0	2
do	2 type	do	2	0	0	2	2
Hand Planer for Wood	16 inch	Mizutani Tekko	1	0	0	1	1
Planer for Wood	16 inch	Taihei Tekko	1	0	0	1	1
Band Sawing Machine	24 inch	Kousan Kosai	2	0	2	0	2

Wood Milling Machine	3 HP Washino	1	0	0	1	1
Wood Lathe	4 feet Taihei	1	0	0	1	1
	Seisaku					
do	8 feet Ureko	1	0	0	1	1
Sawing Machine	Washino	1	0	0	1	1
Tool Grinding Machine			3	0	0	3
Spindle Press			3	0	0	3
Sawing Machine			2	0	0	2
Bite Grinder			2	0	0	2
Projector			1	0	0	1
Oil Separator			1	0	0	1
Total			76	20	115	211

5. For Paragraph 11 b

Raw Materials and supplies needed for maximum capacity(monthly)

Description	Range	Quantity		Bicycle
		Refrigerator 2HP	Cabinet	
Aluminium Plate	96.2kg	-	-	-
do Wire	0.6	-	-	-
Duralumin Plate	488.0	-	1,800kg	21,335kg
do Bar	-	-	-	790
do Pipe	-	-	-	1,550
Copper Plate	24.2	0.06kg	-	-
do Pipe	3.0	17.0	-	-
Brass Plate	26.4	4.0	-	-
do Bar	316.8	10.0	-	2,125
do Wire	-	-	-	50
Copper Wire	1.6	-	-	-
Bronze	-	21.0	-	-
Steel Plate	12,330.2	290.0	2,100	41,260
do Bar	1,119.0	200.0	-	44,585
do Wire	-	-	-	6,230
do Pipe	-	-	-	5,030
Cast Iron	-	1,600.0	-	-
Variable Cast Iron	-	27.0	-	7,130
Angle Steel	-	120.0	-	-
Plane Wire	246.2	-	-	-
Chrome Steel Wire	121.6	-	-	-
Nica	17.2	-	-	-
Asbestos	9,032.0	-	-	-
Phenol-resine Wire	14.4	-	-	-
Insulator	8.2	-	-	-
Gas Pipe	-	35.0	-	-
Rubber	-	0.03	-	15,000
Canvas	-	-	-	6,400 m ²
Leather	-	-	-	425 m ²
Tex	-	-	2,400	-

6. Remarks:

(1) Electric Implements

Mitsubishi Denki K.K. (Electric Manufacturing Co.) has received orders from 8th Army to provide electric implements such as electric refrigerator, stoves, fan, etc.

Because of the shortage in productive capacity of the Mitsubishi Denki, they requested us to cooperate in the production expecting to utilize our experience and technical eminence in plate-work-tinning, pressing, welding.

Consequently, the Denki and we will specialize in electric part-making and in press-work respectively. In fact, as the electric implements especially refrigerator are essential for the civilian life, we want to continue this combination to meet heavy public demand after the fulfillment of the U.S. Army contract.

Production Schedule

	Electric Range	Electric Refrigerator			Exhaust Fan (shutter)
		2HP	1/4HP	Cabinet	
May	46	2	-	-	-
June		23	-	-	-
July		75	-	-	50
August		100	2	-	450
September		200	5	2	500
October		200	10	13	500
November		200	10	50	500
December		200	10	70	500
January	47	200	10	100	500
February		200	10	120	500
March		200	10	120	500
April		200	10	120	500
May		200	10	120	500
Total		2,000			5,000

The contract with U.S. Army will be fulfilled by May 47.

(2) Bicycle

For the purpose of your reference, we hereby explain the general description of production plan of new-style bicycle in Tsu Factory.

a) Present situation of bicycle industry in Japan.

demand domestic	collateral	production capacity	shortage in capacity	actual production (estimated)
3,300,000	300,000	1,500,000	2,100,000	300,000-400,000

Figures are for the year of 1946.

Despite of the fact that the current production capacity of the bicycle industry is expected 1,500,000 units yearly, the present actual out put for 1946 is estimated 300,000-400,000 in the best.

The following reasons can be cited for this facts:

- (1) Shortage of material, especially steel plate.
- (2) Delay of reconstruction of destroyed facilities and conversion of other industries.

In order to increase the actual production, it is necessary to take some measures to over-whelm those obstacles.

The newly designed bicycle, being produced in the Tsu Factory, is mainly made of light metal and simple in construction.

As far as the material is concerned, a large quantity of products can be expected from our present inventory. Consequently, it is believed that the first problem can be dissolved for the time being.

At the second place, machinery and equipment which had been used in the aircraft frame industry is most suitable for the production of the new-style bicycle. In another words the aircraft industry is most suitable to be converted into the production of said item to over-come the second difficulty urgently.

Along this line, the new type bicycle is specially designed to utilize our experience and technical eminence in the consideration of mechanization of production practice to make it suitable for mass production system.

b) Comparison of needed materials (metallic only) of new type and standard bicycle

Item	New one	Standard
Wire steel	1.246kg	1.426kg
duralumin (aluminium alloy)	0.158	-
brass	0.010	0.010
Bar steel	8.917	8.616
brass	0.425	0.425
Plate steel	8.252	10.271
duralumin	4.267	-
Pipe steel	1.006	3.803
duralumin	0.310	-
Casting iron	1.426	3.758
Total	26.017 kg	28.309 kg

Needed amount of material (plate and pipe), the leading obstacle of bicycle production.

New type (a)	Standard (b)	Ratio $\frac{(a)}{(b)}$
9.258 kg	14.074 kg	0.66

Steel material for the new-type mainly to be used for junction parts is relatively thick one and considerable amount is included in our present stock.

c) Construction of new-type bicycle
(a sketch is attached as our appendix)

The chief material is 0.8- 2.0mm thickness of duralumin sheet and its construction is very compact and light in weight.

Parts such as wheel, pedal, transmission, etc. are same as those of the standard bicycle, giving it the inter-changeability of the parts. Due to the simplicity of construction, mass-production system can be adopted and man-hour required per unit will be reduced remarkable.

d) Production process

The construction of the said bicycle, as stated above, fits for mechanization of production, and riveting method will be adopted at every joint instead of usual inserting-soldering method. The standard bicycle has been manufactured at relatively low cost mainly due to low labour cost of this country.

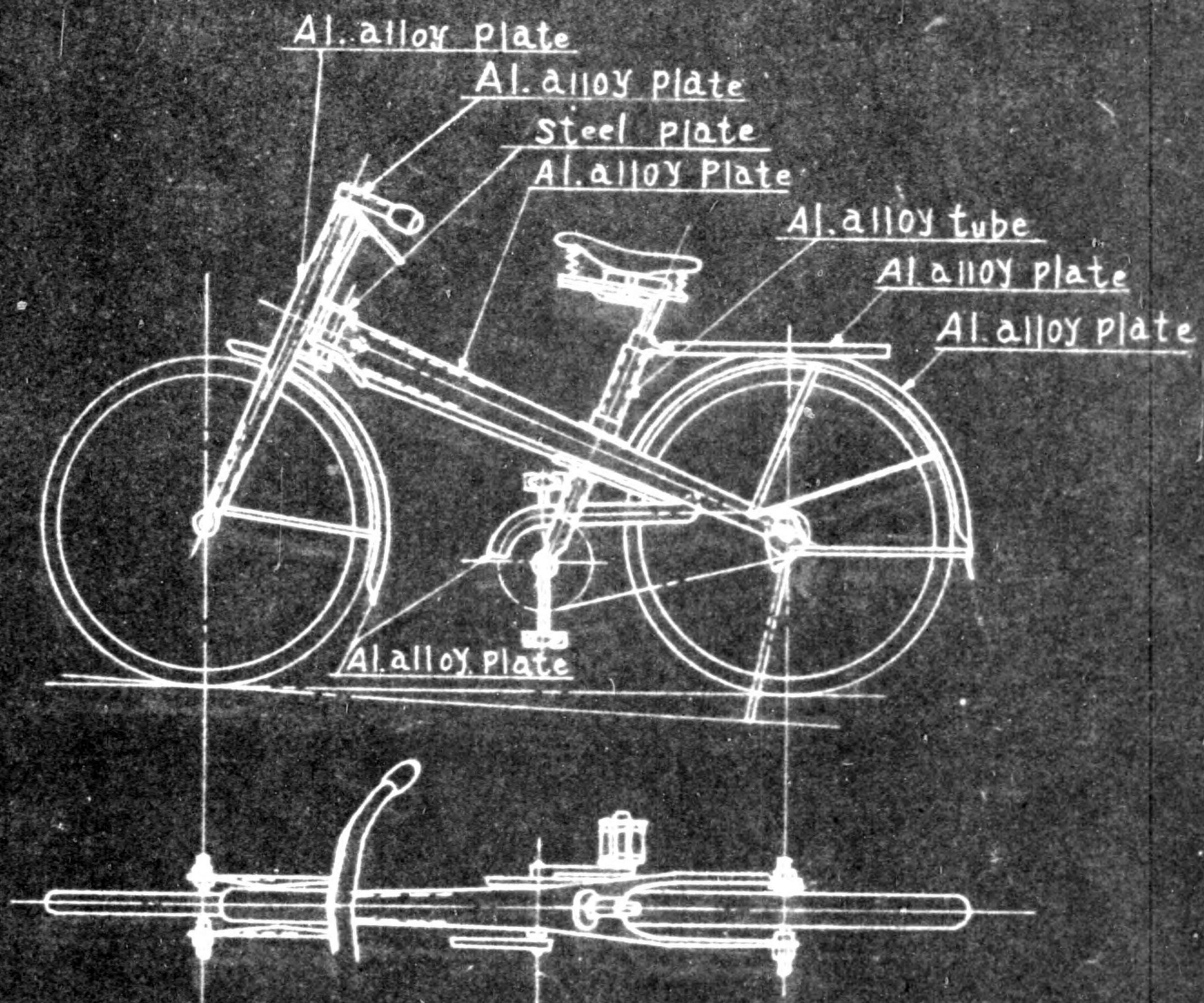
However, Japan made bicycle has been characterized by inferior quality and lack of durability. It is believed possible to make up the defects of the usual bicycle by practice of reliable mechanized processing. We intend to adopt flow system and in near future conveyor system will be put into practice.

e) Production schedule

July	46	10	January	17	3,500
August		100	February		4,000
September		500	After March		5,000
October		1,000			
November		2,000			
December		3,000			

f) Needed floor space

Available floor area of the factory	226,380 sq.ft.
Needed area for the production	171,500 sq.ft.



775013

HEADQUARTERS I CORPS
APO 301 (Kyoto, Honshu)

G.L.S./md

12 April 1946

AG 004- BA

SUBJECT: Permission to Operate Tau Plant of No. 3 Works.**TO:** Mitsubishi Heavy Industries Ltd, Suzuka Liquidation Office.

1. Reference is made to your letter of 2 April 46 requesting permission to operate subject plant.

2. Mitsubishi Plant No. 3 of which this factory is a part appears on the listings appended to Operational Directive No. 5 Headquarters Eighth Army, 18 Jan 46, and normally would not be entitled to permission to operate.

3. It is understood, however, that this plant has received orders from the Occupation Forces for the manufacture of electric stoves and wall lockers, the latter to be made from duraluminum sheets.

4. Because of the limited nature of the production to be accomplished at this plant, this headquarters had determined not to issue the usual formal permit in this instance. This letter will constitute your authority to put into operation only that portion of the plant necessary to manufacture the items ordered by the Occupation Troops.

5. Permission to operate will be effective only until the contract with the Occupation Forces has been fulfilled. The plant will not operate beyond that time unless further specific permission is granted by this or higher headquarters. No production other than wall lockers and stoves will be manufactured under the provisions of this letter.

BY COMMAND OF MAJOR GENERAL WOODRUFF:

H. B. TAYLOR
Major Adl.
Asst. Adm. Gen.

cc:

CO, 94th Mil Govt CP
CO, 30th Mil Govt Co
CG, Eighth Army
CHQ SCAP, HVS Sec

Eighth Army, General Headquarters,
Yokohama.

June 6, 1946

Dear Sir,

Recommendation for sanction of application of
Mitsubishi Heavy Industries, Ltd., for Conversion
of Factory

With regard to the application for permission on the conversion which is being submitted to you by the Tsu Factory of Mitsubishi Heavy Industries, Ltd., the Imperial Japanese Government sincerely requests the application should be granted, recommending the importance of the production of bicycle not only as one of the measures of transportation in this country but also as the collateral goods for the import of food stuff.

It will be much appreciated if your special consideration is given to the application.

Your very truly.

SHUN EBINE
Chief, Conversion division,
Ministry of Commerce Industry,
Imperial Japanese Government.

July 1, 1946

Headquarters,
8th Army Military Government,
Yokohama.

Dear Sir,

Recommendation for sanction of application of
Mitsubishi Heavy Industries, Limited, for
conversion of their Tsu Factory.

With reference to the application for permission for conversion which is being submitted to you by the Tsu Factory of Mitsubishi Heavy Industries, Limited, the Imperial Japanese Government strongly recommends that permission be granted, having regard to the superior technic at skill and proven production ability of the said plant.

For the time being, the production of electric apparatus, such as electric ranges, refrigerators, heaters, fan, and etc. will be carried out at this plant in order to fulfil procurement demands of the United States Army. However, the production of electric apparatus is essential for the minimum economy of the Japanese people, especially is the need for electric refrigerators urgent for the storage facilities for perishable goods. The production depends mostly upon high standard of technic and equipment in tinning, plating and press work.

It will be greatly appreciated if favourable consideration can be given to the application in question.

Yours very truly

SHUN EBINE

Chief, Conversion Division,
Ministry of Commerce and
Industry, Imperial Japanese
Government.

10 July 1946

83rd Military Government, Tsu

Recommendation

Dear Sir,

With regard to the application for conversion of the Tsu Plant of Mitsubishi Heavy Industries, Ltd., we strongly recommend that the products to be manufactured, bicycle and electric implements, are essential for minimum economy of Japanese people. The operation of the said plant will contribute greatly to the reconstruction and stability of this district. Their valuable experience and high-level technique in this field, especially in plate-work, can not be overestimated. In addition, as present machinery and equipments can be used immediately in new production without any changes and it is possible to meet urgent demands for those articles.

We are concentrating our effort in rehabilitation of peaceful Japan and the operation of the Tsu Plant is highly expected in this respect.

It is requested that the application for permission be granted.

Sincerely Yours

T. Saeki.
Governor,
Mie Prefecture.

TSU FACTORY**MITSUBISHI HEAVY INDUSTRIES, LTD.****27, 4-chome, Kamihama-cho, Tsu City, Mie Prefecture****5th July 1946****To: Military Government****Subject: Supplementary to the Application for Reconversion of
Tsu Factory****Dear Sir:**

With reference to our application of and report on industrial facilities dated 8th March 1946, we submit you herewith the statement of revision to the said application for your approval.

Economic and social situation of this country has changed much during the last few months after our original application has been filed and in order to meet the public demand by the suggestion of the Japanese Government, we are forced to change our production plan.

While we have completed the production of wall-löcker and are now engaging the manufacture of electric range (stove) for which the permission has been granted by I Corps on 12th April 1946, we have received order of electric apparatus such as electric refrigerator, heater and fan from U.S. Army through the Mitsubishi Denki K.K. (Mitsubishi Electric Manufacturing Co.).

At the same time the Ministry of Commerce and Industry, Imperial Japanese Government requested us to start the production of new style bicycle.

In view of this fact, we have changed our original plan and intend to submit you herewith the statement of revision for your approval.

Truly Yours

Nakagami
Nakagami Yui
Manager, Tsu Factory,
Mitsubishi Heavy Industries Ltd.

incl:

A. Supplementary Application

B. Appendix:

- (1) A sketch of bicycle
- (2) A copy of the permit-electric range and wall locker
- (3) Recommendation from the Commerce and Industry Ministry
- (4) Recommendation of the Mic Governor

**Supplementary Application for Conversion of
and
Report on Industrial Facilities**

5th July 1946

To: Military Government
Thru: Governor of Mie Prefecture

Name of Facility: Tsu Factory, Mitsubishi Jukogyo K.K.
(Branch of No. 3 Plant)
Location: 27, 4-chome, Kamihama-cho, Tsu City, Mie Ken
Name of Manager: Naokasu Yui

Revision

1. For Paragraph 5 a 3
Principal products planned for 1946-1947
 - a) Item listed on the original application and to be cancelled by this revision
 - Agricultural machines and instruments
 - Part-making and repair of vehicles
 - Medical instruments
 - Metal furniture
 - Commodities
 - b) Items to be added
 - Electric refrigerator
 - Press-work for electric implements
 - Bicycle

2. For Paragraph 5 b 3
Capacity 1946-1947 (maximum)

Electric range (stove)	200 units monthly
Electric refrigerator	130 units monthly
Bicycle	5,000 units monthly

3. For Paragraph 5 c 3
Number of employee 1946-1947 (maximum)

Electric range (stove)	250
Electric refrigerator and press work	150
Bicycle	800
Office work	<u>100</u>
Total	1,300

4. For Paragraph 10
Machinery and equipment needed for maximum production

Item	Capacity	Maker	Quantity			Total
			S.	R.	B.	
Horizontal Lathe	8 feet	Ikegai	3	1	1	3
do	6 feet	Okuma	7	11	2	15
		Ikegai	2			
		Toyo	4			
		Hirao	2			
do	4 feet	Shimamoto	2	6	0	6
		Washino	2			
		Kiryu	2			
Vertical Milling Machine	No.1	Wanderler	1	1	0	1
do	No.2	Cincinnati	1	2	0	8
		Gasuden	5			
		Ikegai	2			
do	No.3	Cincinnati	1	0	1	1
Plain Milling Machine	No.1	Fritz Werner	1	1	0	1
do	No.2	Cincinnati	1	1	3	14
		Ikegai	6			
		Hidachi	5			
		Karatsu	1			
		Gasuden	1			
Radial Drilling Machine	12 TL	Raboma	1	1	0	1
do	1000 m/m	Wakamatsu	1	0	0	1
do	4 feet	Karatsu	1	0	0	1
Upright Drilling Machine	16 inch	Washino	2	2	0	2
do	22 inch	Harata	1	2	0	2
		Cincinnati	1			
do	2 spindle	Mitsubishi	1	1	0	1
		Denki				
do	MDA-1	do	3	0	3	3
do	No.2	Seikenki	2	0	0	4
		Tohoboeki	1			
		Yoshida	1			
Shaping Machine	24 inch	Chiba	2	1	1	3
		Nakagawa	1			
do	16 inch	Wakayama	2	0	1	2
Gear Hobbing Machine	500 mm	Karatsu	1	1	0	1
do	RS-00	Pfanter	1	1	0	1
Gear Generator	No.2	Okamoto	1	0	0	1
Slotter	8 inch	Hirao	1	0	0	1
do	10 inch	Shibayama	1	1	0	1
do	254x280	Toka Co.	1	0	0	1
Breaching Machine	300	Schatto	1	0	0	1
Thread Miller	Short floor	Tsugami	2	1	0	8
		Nagoyarashi	3			
		Wanderer	3			

Turret Lathe	No.3	Werner	4	1	0	3	4
do	No.4	do	1	1	0	2	3
do	No.5	Kokusen	2				
do	No.25	do	1	0	0	1	1
do	No.47	Herbert	12	3	0	9	12
do	No.2	Pittler	2	0	0	2	2
		Teikoku	16	0	0	36	36
		Seimitsu					
		Kiryu	5				
		Wakayama	6				
do	No.1	Kokusen	9				
Automatic Turret Lathe		Terashima	10	0	0	13	13
		Herbert	3				
Internal Grinding Machine	T-72	New Britain	1	0	0	1	1
Centerless Grinding Machine	No.2	Gridley					
Hack Sawing Machine	18 inch	Toyokogyo	1	0	1	0	1
Bevel Gear Shaper	12 inch						
do	3 inch	Cincinnati	1	0	1	0	1
Surfacing Lathe	40 inch	Washino	2	2	0	0	2
Planner	12 feet	Osakaseisa	1	1	0	0	1
Horizontal Boring Machine	B-70	Gleason	1	0	0	1	1
Tapping Machine	UG-3	Shoun	1	0	1	0	1
Universal Grinding	10x24 inch	Matsumoto	1	1	0	0	1
do	12x40 inch	Union	1	1	0	0	1
Rotary Surface Grinder		Hahn Kolb	1	1	0	0	1
Hydraulic Press	500 T	Landio	1	1	0	0	1
Square Sheer	3x1250m/m	do	1	0	0	1	1
do		Umez	1	0	0	1	1
Friction Press	3x2000m/m	Komatsu	1	1	0	0	1
do	200 T	Osakabankin	1	2	0	0	2
do	100 T	Utsunomiya Kikai					
do		Osakabankin	1	1	0	0	1
do	30 T	Aida	1	2	0	0	2
do	20 T		1				
Crank Press	100 T	Yamakawa Press	1	1	0	0	1
do	50 T	Nippon Press	1	1	0	0	1
do	20 T	do	1	1	0	0	1
		do	1	1	0	0	1
		do	1	2	0	0	2
Ceco Stamp	33x48 inch	Yamakawa Press	1				
Arc Welder	6 KW	Sumitomo Kikai	1	0	1	0	1
do	12.5 KW	Miba	1	1	0	0	1
do		Morioka Stenres	1	2	0	0	2
Spot Welder	15 KW	Osaka Henatsuki	1				
do	1 type	Taiden	1	1	0	0	1
do	2 type	Dengensha	2	0	2	0	2
Hand Planer for Wood	16 inch	do	2	0	0	2	2
Planer for Wood	16 inch	Mizutani Tekko	1	0	0	1	1
Band Sawing Machine for Wood	24 inch	Taihei Tekko	1	0	0	1	1
Wood Milling Machine	3 HP	Konan Kozai	2	0	2	0	2
Wood Lathe	4 feet	Washino	1	0	0	1	1
		Taihei Seisaku	1	0	0	1	1

Wood Lathe	8 feet	Ureke	1	0	0	1	1
Sander		Washine	1	0	0	1	1
Tool Grinding Machine				3	0	0	3
Spindle Press				3	0	0	3
Sawing Machine				2	0	0	2
Bite Grinder				2	0	0	2
Projector				1	0	0	1
Oil Separator				1	0	0	1

Total

76 20 115 221

5. For Paragraph 11 b

Raw Materials and supplies needed for maximum capacity (monthly)

Description	Range	Quantity		Bicycle
		Refrigerator 2 HP	Cabinet	
Aluminum Plate	96.2 kg	-	-	-
do Wire	0.6	-	-	-
Duralumin Plate	488.0	-	1,800 kg	21,355 kg
do Bar	-	-	-	790
do Pipe	-	-	-	1,550
Copper Plate	24.2	0.06 kg	-	-
do Pipe	3.0	17.0	-	-
Brass Plate	26.4	4.0	-	-
do Bar	316.8	10.0	1	2,125
do Wire	-	-	-	50
Copper Wire	1.6	-	-	-
Bronze	-	21.0	-	-
Steel Plate	12,330.2	290.0	2,100	41,260
do Bar	1,119.0	300.0	-	44,585
do Wire	-	-	-	6,230
do Pipe	-	-	-	5,030
Cast Iron	-	1,600.0	-	-
Variable Cast Iron	-	27.0	-	7,130
Angle Steel	-	120.0	-	-
Piano Wire	246.2	-	-	-
Chrome Steel Wire	121.6	-	-	-
Nica	17.2	-	-	-
Asbestos	9,082.0	-	-	-
Phenol-resin Wire	14.4	-	-	-
Insulator	8.2	-	-	-
Gas Pipe	-	35	-	-
Rubber	-	0.03	-	15,000
Canvas	-	-	-	6,400 m ²
Leather	-	-	-	425 m ²
Tax	-	-	2,400	-

6. Remarks:

(1) Electric Implements
 Mitsubishi Denki K.K. (Electric Manufacturing Co.) has received orders from 8th Army to provide electric implements such as electric refrigerator, stoves, fan, etc.

Because of the shortage in productive capacity of the Mitsubishi Denki, they requested us to cooperate in the production expecting to utilize our experience and technical eminence in plate-work-tinning, pressing, welding.

Consequently, the Denki and we will specialize in electric part-making and in press-work respectively. In fact, as the electric implements especially refrigerator are essential for the civilian life, we want to continue this combination to meet heavy public demand after the fulfillment of the U.S. Army contract.

Production Schedule

	Electric Range	Electric Refrigerator			Exhaust Fan (Shutter)
		2HP	1/4HP	Cabinet	
May	46	2	-	-	-
June		23	-	-	-
July		75	-	-	50
August		100	2	-	450
September		200	5	2	500
October		200	10	13	500
November		200	10	50	500
December		200	10	70	500
January	47	200	10	100	500
February		200	10	120	500
March		200	10	120	500
April		200	10	120	500
May		200	10	120	500
Total		2,000			5,000

The contract with U.S. Army will be fulfilled by May 47.

(2) Bicycle

For the purpose of your reference, we hereby explain the general description of production plan of new-style bicycle in Tsu Factory.

a) Present situation of bicycle industry in Japan

demand domestic	demand collateral	Production capacity	shortage in capacity	actual production
3,300,000	300,000	1,500,000	2,100,000	300,000-400,000

Figures are for the year of 1946.

Despite of the fact that the current production capacity of the bicycle industry is expected 1,500,000 units yearly, the present actual out put for 1946 is estimated 300,000-400,000 in the best.

The following reasons can be cited for this fact:

- (1) Shortage of material, especially steel plate.
- (2) Delay of reconstruction of destroyed facilities and conversion of other industries.

In order to increase the actual production, it is necessary to take some measures to overwhelm those obstacles.

The newly designed bicycle, being produced in the Tsu Factory is mainly made of light metal and simple in construction.

As far as the material is concerned a large quantity of products can be expected from our present inventory. Consequently, it is believed that the first problem can be dissolved for the time being.

At the second place, machinery and equipment which had been used in the aircraft frame industry is most suitable for the production of the new-style bicycle. In another words the air-craft industry is most suitable to be converted into the production of said item to overcome the second difficulty urgently.

Along this line, the new type bicycle is specially designed to utilize our experience and technical eminance in the consideration of mechanization of production practice to make it suitable for mass production system.

b) Comparison of needed materials (metallic only) of new type and standard bicycle.

Item		New one	Standard
Wire	steel	1.246 kg	1.426 kg
	duralumin (aluminium alloy)	0.158	-
	brass	0.010	0.010
Bar	steel	8.917	8.616
	brass	0.425	0.425
Plate	duralumin	4.267	-
	steel	8.252	10.271
Pipe	steel	1.006	3.803
	duralumin	0.310	-
Casting	iron	1.426	3.758
Total		26.017 kg	28.309 kg

Needed amount of steel material (plate and pipe) the leading obstacle of bicycle production.

New type (a)	Standard (b)	Ratio $\frac{(a)}{(b)}$
9.258 kg	14.074 kg	0.66

steel material for the new-type mainly to be used for junction parts is relatively thick one and considerable amount is included in our present stock.

c) Construction of new-type bicycle
(a sketch is attached as our appendix)

The chief material is 0.8-2.0mm thickness of duralumin sheet and its construction is very compact and light in weight.

Parts such as wheel, pedal, transmission, etc, are same as those of the standard bicycle, giving it the interchangeability of the parts. Due to the simplicity of construction, mass-production system can be adopted and man-hour required per unit will be reduced remarkable.

d) Production process

The construction of the said bicycle, as stated above, fits for mechanisation of production, and riveting method will be adopted at every joint instead of usual inserting-soldering method. The standard bicycle has been manufactured at relatively low cost mainly due to low labour cost of this country.

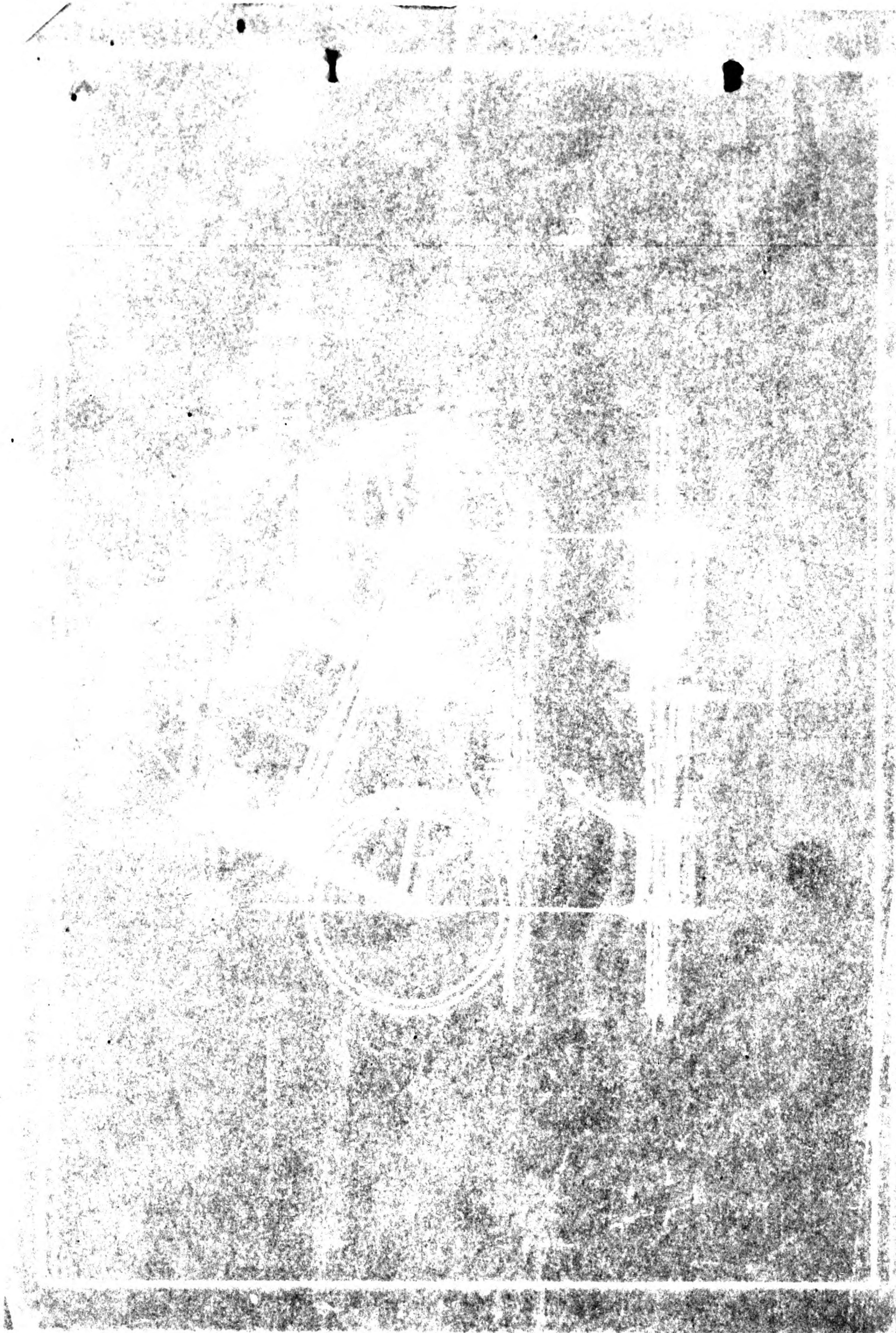
However, Japan-made bicycle has been characterized by inferior quality and lack of durability. It is believed possible to make up the defects of the usual bicycle by practice of reliable mechanized processing. We intend to adopt flow system and in near future conveyor system will be put into practice.

e) Production schedule

July	1946	10	January	1947	3500
August		100	February		4000
September		500	After March		5000
October		1000			
November		2000			
December		3000			

f) Needed floor space

Available Floor area of the Factory	226,330 sq.ft.
Needed area for the production	171,500 sq.ft.



HEADQUARTERS I CORPS

APO 301 (Kyoto, Honshu)

GLS/md

AG 004-BA

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To: Mitsubishi Heavy Industries Ltd. Susuka Liquidation Office.

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BY COMMAND OF MAJOR GENERAL WOODRUFF:

H. B. TAYLOR

Major Agd.
Asst. Adm. Gen.

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CO, 94th Mil Govt Cp
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GHQ SCAP, E and S Sec

June 6, 1946

Eighth Army, General Headquarters,
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Dear Sir,

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Mitsubishi Heavy Industries, Ltd., for Conversion
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It will be much appreciated if your special consideration is given to the application.

Yours very truly,

SHUN EBINE

Chief, Conversion division,
Ministry of Commerce & Industry,
Imperial Japanese Government.

July 1, 1946

Headquarters,
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It will be greatly appreciated if favourable consideration can be given to the application in question.

Yours very truly,

Shun Ebine (signed)

Chief, Conversion Division,
Ministry of Commerce and
Industry,
Imperial Japanese
Government.

10 July 1946

83rd Military Government, Tsu

Recommendation

Dear Sir:

With regard to the application for conversion of the Tsu Plant of Mitsubishi Heavy Industries, Ltd., we strongly recommend that the products to be manufactured, bicycle and electric implements, are essential for minimum economy of Japanese people.

The operation of the said plant will contribute greatly to the reconstruction and stability of this district. Their valuable experience and high-leveled technique in this field, especially in plate-work, cannot be overestimated. In addition, as present machinery and equipments can be usual immediately in new production without any changes and it is possible to meet urgent demands for these articles.

We are concentrating our effort in rehabilitation of peaceful Japan and the operation of the Tsu Plant is highly expected in this respect.

It is requested that the application for permission be granted.

Sincerely Yours

Toshio Saeki (signed)

Governor,
Mie Prefecture.

775013

MITSUBISHI JUKOGYO K.K.
Tsu Plant

8th July 1947

Subject; Application for using temporary Reparation Machinery on account of repairing Class I and Class 2 Machinery

To; Mie Military Government Team

We have repaired Class I, and Class 2 Machinery. That which we have maintained are missing many parts and accessories.

So that, we wanted to add to Class I, and Class 2 Machinery parts and accessories in short by using temporary 8 machines Name of Machine, Class and Maker as follows.

Number	Name	Maker	Class
23-3A-189	Engine Lathe	Ikegai Tekko	2
23-3A-22	"	Wakayama Tekko	2
23-3A-153	"	"	I
23-3A-178	"	Showa Kikai	I
23-3A-46	Upright Drill	Mitsubishi Denki	I
23-3A-529	Hack Saw	Morita Kikai	I
23-3A-206	Shaper	Nishikawa Tekko	I
23-3A-422	Slotter	Kikukawa Tekko	2

Name of Plant Mitsubishi Jukogyo K.K.
Tsu Kojo

Plant Manager *S. Nakas*
Nakas Yui

83RD MILITARY GOVERNMENT HQ & HQ COMPANY
TSU DETACHMENT
APO 25
OFFICE OF THE INDUSTRIAL OFFICER

14 May 1946

SUBJECT: Report of inspection on Factory subject to U. D. 15 ✓
21.1

1. Name: Mitsubishi Heavy Ind. (Tsu plant)
2. Place: Tsu
3. Time: 1010 - 1030
4. Is there an "Off Limits" sign on the buildings? Yes
5. Are there civilian guards at the entrances? Yes
6. Do the guards know their instructions? Yes
 - a. No one to enter without a pass? Yes
 - b. No machinery or parts to be removed? Yes
 - c. To be on watch against fire and sabotage? Yes
7. Are the moving parts of the machines being greased and/or oiled? Yes
8. If necessary to be preserved, are the bodies of the machines painted? Yes
9. If necessary, are the machines being covered? Yes
10. What the condition of the buildings housing the machinery?
Good.
11. Remarks.- Machines are being repaired and motors are being cleaned and dried. There are 60 laborers doing this work. Are making electric stoves and lockers.

Maurice A. M. Edkiss / 114
MAURICE A. M. EDKISS
1st. Lt., A. C.
INDUSTRIAL OFFICER

83RD MILITARY GOVERNMENT HQ & HQ COMPANY
TSU DETACHMENT
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9. If necessary, are the machines being covered? Yes
10. What the condition of the buildings housing the machinery? Good.
11. Remarks:- Machines are being repaired and motors are being cleaned and dried. There are 60 laborers doing this work. Are making electric stoves and lockers.

MAURICE A. M. EDKISS
1st. Lt., A. C.
INDUSTRIAL OFFICER

83RD MILITARY GOVERNMENT HQ & HQ COMPANY
TSU DETACHMENT
APO 25
OFFICE OF THE INDUSTRIAL OFFICER

14 may 1946

SUBJECT: Report of Inspection on Factory subject to U. D. 15

1. Name: Mitsubishi Heavy Ind. (Tsu plant)
2. Place: Tsu
3. Time: 1010 - 1030
4. Is there an "Off Limits" sign on the buildings? Yes
5. Are there civilian guards at the entrances? Yes
6. Do the guards know their instructions? Yes
 - a. No one to enter without a pass? Yes
 - b. No machinery or parts to be removed? Yes
 - c. To be on watch against fire and sabotage? Yes
7. Are the moving parts of the machines being greased and/or oiled? Yes
8. If necessary to be preserved, are the bodies of the machines painted? Yes
9. If necessary, are the machines being covered? Yes
10. What the condition of the buildings housing the machinery?
Good.
11. Remarks:- Machines are being repaired and motors are being cleaned and dried. There are 60 laborers doing this work. Are making electric stoves and lockers.

MAURICE A. M. EDKISS
1st. Lt., A. C.
INDUSTRIAL OFFICER

83RD MILITARY GOVERNMENT HQ & HQ COMPANY
 TSU DETACHMENT
 APO 25
 OFFICE OF THE INDUSTRIAL OFFICER

SUBJECT: Report of Factory Inspection for Reconversion

1. Name: Tsu Factory of Mitsubishi Heavy Industries Ltd.
2. Place: Tsu
3. Time: March 28, 1946 1540 - 1615
4. Parties Present: Lt. Edkiss (Industrial Officer)
 Mr. Matsuoka (Pref. Office)
 Mr. Kawato (Interpreter)
 Mr. Yui (Manager)
 Mr. T. Suzuki (Sales Manager)
 Mr. A. Maejima)
5. Raw Materials: All items checked as to quantities. Materials were turned over to the Prefecture and returned to them as owners. Materials available for 4 months.
6. Machinery, Condition of: Good. All owned by Parent Company. 116 out of approximately 850m machines to be used.
7. Finished Goods on Hand: Checked as to quantities.
 Commodities..... 160 sets..... all in good condition
8. Bank Loans: None for this factory
9. Government Loans: None for this factory
10. Plant, General Condition of: Fair. Approximately 20 % converted.
11. Remarks: April 8th all machines will have been moved into the factory from the caves. This factory is subject to O.I. 1 and O.D. 5. Mitsubishi Trading Company has United States Army contract that is being fulfilled at this factory, i.e. 3,000 wall lockers; and 1,400 electric ranges for the United States Army contracted by the Mitsubishi Electric Manufacturing Co.
 This factory is fulfilling a contract by the Eighth Army and the date of completion and delivery is May 1946 for the wall lockers.
 to report
12. Reconversion: Action to be taken subject of Liaison Office pursuant to paragraph 4c O.I. 1. Reconversion recommended on items being manufactured for the United States Army. Balance of items subject to letter from Liaison Office.
 In view of recommendation of all items by the Liaison Office, ~~that the~~ other items in the application are also recommended for approval by the undersigned.

Maurice A. C. Edkiss
 MAURICE A. C. EDKISS
 1st. Lt. A. C.
 Industrial Section

File

32ND MILITARY GOVERNMENT HQ & HQ COMPANY
 130 DETACHMENT
 APO 25
 OFFICE OF THE INDUSTRIAL OFFICER

SUBJECT: Report of Inspection Pursuant to G.I. 1

1. Name: Mitsubishi Jokogyo K.K.
2. Place: Yon
3. Time: March 18, 1946 1505 - 1600
4. Parties present: Lt. Edkiss (Industrial Officer)
 Mr. K. Ota (Pref. Office)
 Kawato (Interp.)
 Mr. O. Oikawa (Head of Machinery)
 Mr. Murata (Head of Guards)
5. Comments: Signs were posted at the entrance of the buildings.
 Rusted machinery was painted and greased. Some sections
 of the building need repairs. 69 machines were in this
 section of the plant. They were all taken care of.
 Guards all knew their instructions as to their duties.
 1. Signs were posted ("Off Limits")
 2. Building needed repairs
 3. All machines were well taken care of (69 in this section)
 4. Guards knew their instructions

They said they would rectify item 2 immediately, thus
 affecting complete compliance.

MARION A. M. EDKISS
 1st Lt., A. C.
 INDUSTRIAL OFFICER

Annex 26

Application for conversion of
and
Report on Industrial Facilities

To-

Thru-

The Tsu Factory of Mitsubishi
Heavy Industries Co. Ltd.
27, 4-chome Kamihamacho Tsu City,
Mie Prefecture
March 8, 1946.

1. Name of Facility The Tsu Factory
2. Location 27, 4-chome Kamihamacho Tsu City
Mie Prefecture
3. Name of Manager Naokazu Yui
4. History
 - a. Date of construction Oct. 1925
 - b. Date of first operation April 1926 by former owner
Mar. 1944 by our operation
 - c. 1935-1941 production (Annual value in Yen; quantities
of principal products by units or weights)
Annual value= ¥6,000,000
(cotton yarn)
 - d. Present capitalization in Yen
¥5,000,000
 - e. Changes made in capital structure since 1935
none
 - f. Name and address of parent company
Mitsubishi Heavy Industries Co.
Ltd.
4, 2-chome Marunouchi Kojimachi-
ku, Tokyo

Final 32

g. Number of shares outstanding

100,000

h. Number of stockholders (Give names of those owing 10% or more of total)

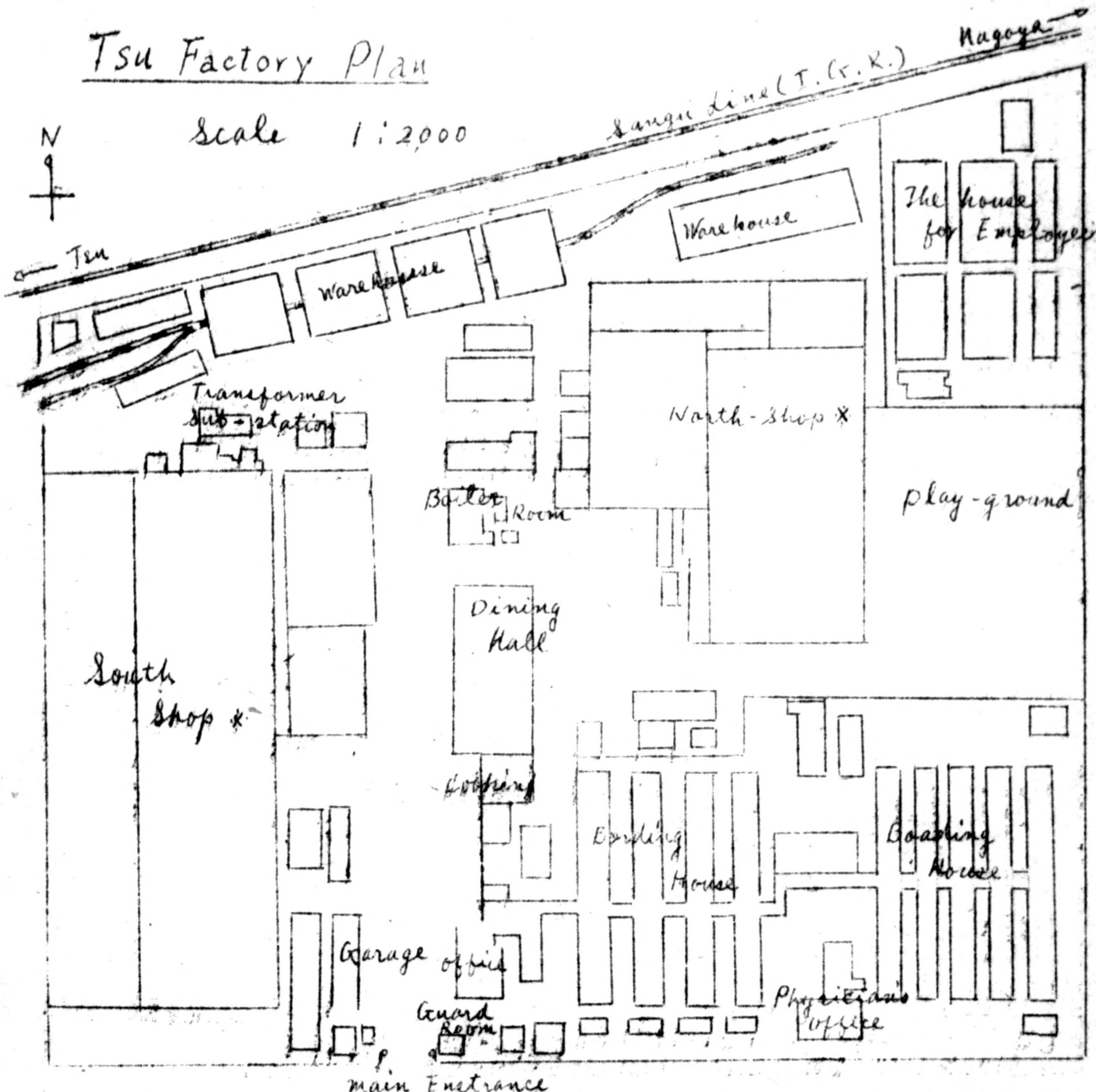
Mitsubishi Honsha	22.16%
The Nippon Yusen Co. Ltd.	6.5 %
The Senji Kinyu Kinko	5.3 %
The Meiji Seimeihoken Co. Ltd.	5.3 %
The Tokyo Kaijo Kasaihoken Co. Ltd.	4 %
The Nippon Seimeihoken Co. Ltd.	2.8 %
The Mitsubishi Denki Co. Ltd.	1.7 %
The Chiyoda Seimeihoken Sogo Co. Ltd.	1.6 %
The Daiichi Seimeihoken Sogo Co. Ltd.	1.3 %
The Mitsubishi Shintaku Co. Ltd.	0.5 %

i. Funds received from Government (Bounties, Subsidies etc.)

none

j. On reverse side give outline sketch of plant layout with approx imate dimensions

see next page



* Remarks:
 South Shop will be used for keeping machinery and equipments which are now under custody by General MacLathier's directive.
 North Shop will be used at first for newly planned productions.

c. Description

a. Principal products

1. Wartime Aircraft wings
2. At Present Jeep enclosure (all completed)
Commodities (for distressed employee)

3. Planned for 1946-1947

Agricultural Machines and Instruments
 Part-making of Vehicles and Repairing
 of Vehicles
 Medical Instruments
 Electric Refrigerator Case and Range
 Metal Furniture
 Commodities

b. Capacity

1. Wartime Aircraft wings 50 sets per month
2. At Present Jeep enclosure Finished
Commodities (for distressed employee)
500 sets per month

3. 1946-1947 (with unrestricted access to materials)

Agricultural Machines and Instruments
 1) Chaff Separating Machine
 2) Cultivating Machine
 3) Cultivator (Plough, Hoe, etc.)
 100 sets per month
 Part-making of Vehicles and Repairing
 of Vehicles
 1) Hand-cart
 2) Parts of air-brake for freight and
 passenger car
 3) Light motor vehicle
 3,000 pieces per month
 Medical Instruments
 1) Operating table and instrument
 2) Disinfecting instrument
 500 sets per month
 Electric Refrigerator Case and Range
 500 sets per month

Metal Furniture

- 1) locker
 - 2) table and chair
- 300 sets per month

Commodities

- 1) corn vessel
 - 2) kitchen, utensil
- 200 sets per month

c. Number of Employee

- 1. Wartime (At July 1945) 2498
- 2. At Present 110
- 3. 1946-1947 (At Maximum Capacity) 500

6. Machinery and Equipment in Plant

Note. If this is an application for conversion of a war factory to peacetime production, describe proposed changes on the reverse side.

No changes are necessary for the conversion.

<u>Description</u>	<u>Size or Capacity</u>	<u>Quantity</u>	<u>Production during the war</u>	<u>Condition</u>	<u>Change for conversion needed or none</u>
Lathe	4 feet	6	gear box	good	none
do	6 feet	12	do	do	do
do	8 feet	4	do	do	do
do	10 feet	1	do	do	do
do	6 feet	4	do	do	do
do	12 feet	2	do	do	do
Relieving Lathe		1	special cutter	do	do
Turret Lathe		3	gear box	do	do
Plain Miller	No. 1	2	metal fitting	do	do
Universal Miller		1	gear box	do	do
Plain Miller	No. 2	3	metal fitting	do	do
Vertical Miller	No. 1	2	operation wing	do	do
do	No. 2	3	do	do	do
Shaper		1	metal fitting	do	do
Vertical Shaper		1	pipe	do	do
Planer		1	union of wing	do	do
Horizontal Borer		1	gear box	do	do
Radial Driller		1	do	do	do
Upright Driller		2	nut	do	do
Cutter and Tilt Grinder		1	burnishment of cutter	do	do
Cutter Grinder		1	do	do	do
Universal Grinder		4	burnishment of axle	do	do
Surfacing Grinder		1	do	do	do
Bench Driller		6	nut	do	do
Bite Grinder		5	burnishment of bite	do	do
Carboloy Grinder		1	do	do	do
Carboloy Mirror Finisher		1	switch	do	do
Thread Miller		1	thread cutting	do	do
Long-Thread Miller		1	do	do	do
Gear Shaper		1	gear cutting	do	do
Bevel Gear Shaper		1	do	do	do

Metal Sawing Machine		2	cutting of parts	do	do
Projector		1	inspection of gear	do	do
	Total	78			
Hydraulic Press	500 ton	1	rib of wing	Repair	Parts
Folding Press	3 meter	1	stringer	good	none
Friction Press	100 ton	2	engine cover	do	do
do	30 ton	1	fitting	do	do
do	20 ton	1	do	do	do
Crank Press	50 ton	1	blanking parts	do	do
do	30 ton	1	do	do	do
do	20 ton	1	do	do	do
Square Shear	3x2000m/m	1	streight cutting of plate	do	do
do	3x1250m/m	1	do	do	do
Gap Shear	3x1250m/m	1	do	do	do
Curve Shear	10x1000m/m	1	curve cutting of plate	do	do
Hand Folding M/C	2x2000m/m	1	small bending parts	do	do
Squeezing M/C	2 HP	1	wing-tip skin cover	do	do
Beeding M/C		1	tank skin	do	do
Hand Press		2	wrightning hole of bulkhead	do	do
Foot Squeezing M/C		2	squeezing of small part	do	do
Bending Roller		2	leading edge of wing	do	do
Wheeling M/C		2	skin of fuselage	do	do
Band Saw	16inchx1/2	2	cutting of spar	do	do
	Total	26			
Arc Welder	29 KVA	1	big parts of steel made	do	do
do	15 KVA	1	do	do	do
do	12 KVA	1	do	do	do
do	10 KVA	1	do	do	do
	Total	4			
Acetylene Gas Originator		1	gas welding	do	do
Air Compressor	175 HP	1	riveting of wing	do	do
Heat Treatment Hearth	2x1 m	1	heat treatment to dularmin	do	do
Anticorrosive Instrument		1	dularmin parts	do	do
Boll Bluster		1	purity to parts	do	do
Steam Hammer	1/2 ton	1	parts of under-curriage	do	do
Electric Hearth	20 KVA	1	heat treatment to rivet	do	do
Converter	25 KVA	1	electric drilling for making a hole	do	do
	Total	8			

Final total 116

116 out of 1485 machines frozen are needed for this conversion.

Remark

○ Showing machineries, which are applied by the Mizushima Plant of Mitsubishi Heavy Industries Co. Ltd., to be used for the conversion in Okayama Prefecture, will be used here as the first priority with your permission of our applica

△ Showing machineries, which are applied by the Mihara Sharyo Plant, of Mitsubishi Heavy Industries Co. Ltd., to be removed to Hiroshima Prefecture, will be left here as the first priority with your permission.

7. Present stocks of Materials Supplies and Unfinished Goods

<u>Description</u>	<u>Quantity</u>	<u>Condition</u>
Mild steel bar	150 ton	Good
Mild steel plate	180	do
do pipe	55	do
do wire	15	do
Steel wire rope	3	do
Special alloy steel	20	do
Metals underneath	86	do
Aluminum alloy bar	24.9	do
do do plate	70	do
do do pipe	6	do
Rivet	5	do
Copper alloy	27	do
Machine oil	440 gallon	do
Grease	3 ton	do
Paints	40 ton	do
Wood	216 m ³	do
Unfinished goods	none	

8. Present stocks Finished Goods

<u>Description</u>	<u>Quantity</u>	<u>Condition</u>
Commodities	160 sets	Good

9. Present stocks of Fuel

<u>Description</u>	<u>Quantity</u>
Gasoline	2,000 gallons gallon

Corlite 45 ton
Coke 18 ton

10. Machinery and equipment needed for maximum production

same same as 10 as 6 above

11. Raw materials and supplies needed (Monthly)

a. Present Capacity (5-b-2 above)

<u>Description</u>	<u>Quantity</u>
Mild steel plate	2 ton
Aluminum alloy plate	1 ton

b. For Maximum (5-b-3 above)

<u>Description</u>	<u>Quantity</u>
Mild steel bar	25 ton
do plate	30
do pipe	6
do wire	2.5
Steel wire rope	0.5
Special alloy steel	3.5
Metal underneath	15
Aluminum alloy bar	4
do plate	12
do pipe	1
Rivet	1
Copper alloy	4.5
Machine oil	42 gallon
Grease	0.5 ton
Paint	7 ton
Wood	36 m ³

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

<u>Description</u>	<u>Quantity</u>
Gasoline	850 gallon
Coal	10 ton
Sub-coal	5 ton
Coke	5 ton
Corelite	2 ton
Charcoal	3 ton

13. Additional Personal needed (Not locally available)

<u>Special Skills</u>	<u>Number</u>
Electric Engineer	3

14. Prices (Give current selling prices in Yen or principal product)

<u>Description</u>	<u>Units</u>	<u>Price</u>
Commodities (for Employee)	1 set	Y 50

17. Remarks

Our factory has, this time, been placed under custody for reparations availability by a sweeping directive of General MacArthur, but we earnestly desire to commence the newly planned productions as stated in paragraph 5-a-(3).

Reasons why we wish to apply for conversion are as follows.

(1) Agricultural Machines and Instruments

Production of agricultural machines is now absolutely essential to develop the agricultural industries and lessen the present food crisis in this country, because all machines have been deteriorated or become out of order during the war and farmers are very anxious to get a new and more efficient machines.

Especially in Mie District, the productive capacity for these machines are very poor, according to the information from the Mie Prefectural Government and the Mie Agricultural Society, so we wish to produce these as soon as possible to help the development of agricultural industries in this district and country.

(2) Part-making of Vehicles and Repairing of Vehicles

Transportation is also one of the most essential factors in civil economy. In Mie District, the production and repairing capacity of vehicles is very low, so we are very anxious to contribute one hand to the civil life in making and repairing of vehicles.

(3) Medical Instruments

Large number of medical instruments have been destroyed or burnt down during the war. Now the civilians are quite suffering from the shortage of medical instruments, so it is absolutely necessary to produce these in proper time.

(4) Electrical Implements

The Mitsubishi Denki (Electric) Co. Ltd., Nagoya has received a big order for electric refrigerators and ranges from H.Q. of Allied Forces, for which they have not sufficient capacity in tinning works.

By the recommendation of Mitsubishi Denki Co. Ltd., we wish to help them in taking charge of the sheet metal works for the above implements.

(5) Metal Furnitures (Lockers etc.)

The Mizushima Plant, our sister factory and located in Okayama Prefecture, has received an order of 40,000 lockers from the 8th Army, Kyoto through the Mitsubishi Shoji Co. Ltd., Osaka. But they have some difficulties in manufacturing these by their own capacity within the time limited, so we wish to co-operate with

with them in making 3,000 lockers.

In future, we will plan to make various kinds of metal furnitures and commodities for civilian use. We beg sincerely that you would kindly grant us to permit this application with your referring to our petition enclosed here with.

#16. Certification by Applicant

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

Signed

Shohezu Yui

Title

Manager

17. Action by Occupation Forces

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

- a. Ordered to remain closed
- b. Ordered to cease operations immediately
- c. Authorized to produce at the following rate

Items to be manufactured	Monthly Quantity
--------------------------	------------------

53D MILITARY GOVERNMENT HQ & HQ COMPANY
APO 25

8 April 1946

SUBJECT : Transmittal of Application for Reconversion
TO : Commanding Officer, 94th Hq & Hq Det Mil Govt Gp, APO 660

Transmitted herewith is Application for Reconversion of Tsu
Factory of Mitsubishi Heavy Industries Ltd, together with a Report
of Inspection and Recommendation for Approval by the Industrial Officer,
this headquarters and a recommendation for approval by the Nara Japanese
Liaison Officer.

FOR THE COMMANDING OFFICER:

ROBERT V. BRUCE
Capt, CMF
Adjutant

3 Incls:

- Incl 1 - Report of Factory Inspection
- Incl 2 - Letter Japanese Liaison Office (quint)
- Incl 3 - Application of Conversion (quad)

83RD MILITARY GOVERNMENT HQ & HQ COMPANY
TSU DETACHMENT
APO 25
OFFICE OF THE INDUSTRIAL OFFICER

SUBJECT: Report of Factory Inspection for Reconversion

1. Name: Tsu Factory of Mitsubishi Heavy Industries Ltd.
2. Place: Tsu
3. Time: March 28, 1946 1540 - 1615
4. Parties Present: Lt. Edkiss (Industrial Officer)
Mr. Matsuoka (Pref. Office)
Mr. Kawato (Interpreter)
Mr. Yui (Manager)
Mr. T. Suzuki (Sales Manager)
Mr. A. Masjima)
5. Raw Materials: All items checked as to quantities. Materials were turned over to the Prefecture and returned to them as owners. Materials available for 4 months.
6. Machinery; Condition of: Good. All owned by Parent Company. 116 out of approximately 650 machines to be used.
7. Finished Goods on Hand: Checked as to quantities.
Commodities..... 160 sets..... all in good condition
8. Bank Loans: None for this factory
9. Government Loans: None for this factory
10. Plant, General Condition of: Fair. Approximately 20 % converted.
11. Remarks: April 8th all machines will have been moved into the factory from the caves. This factory is subject to O.L. 1 and O.D. 5. Mitsubishi Trading Company has United States Army contract that is being fulfilled at this factory, i.e. 5,000 wall lockers; and 1,400 electric ranges for the United States Army contracted by the Mitsubishi Electric Manufacturing Co.
This factory is fulfilling a contract by the Eighth Army and the date of completion and delivery is May 1946 for the wall lockers.
to Report
12. Reconversion: Action to be taken subject of Liaison Office pursuant to paragraph 4c O.L. 1. Reconversion recommended on items being manufactured for the United States Army. Balance of items subject to letter from Liaison Office. In view of recommendation of all items by the Liaison Office, that other items in the application are also recommended for approval by the undersigned.

MAURICE A. M. EDKISS
1st Lt. A. C.
Industrial Section

JAPANESE LIAISON OFFICE, NARA

6 April, 1946

To: Headquarters of the 8th Army

Dear Sir,

Receiving the application for permission of reconversion from Tsu Plant of Mitsubishi Heavy Industries Ltd., I intend to recommend that the production suggested in the application is essential to maintaining the minimum standard of the public living.

Especially, as you know, agricultural machines are in urgent need in order to lessen present food crisis and to promote the stability of the civilian life.

It will be much appreciated if this application is given favorable consideration of you.

Tetsuo Ban
Japanese Liaison Office,
Nara

Inspection copy

Application for conversion of
and
Report on Industrial Facilities

To-
Thru-

The Tsu Factory of Mitsubishi
Heavy Industries Co. Ltd.
27, 4-chome Kamihamacho Tsu City
Mie Prefecture

March 8, 1946.

1. Name of Facility The Tsu Factory
2. Location 27, 4-chome Kamihamacho Tsu City
Mie Prefecture
3. Name of Manager Naokazu Yui
4. History
 - a. Date of construction Oct. 1925
 - b. Date of first operation April 1926 by former owner
Mar. 1944 by our operation
 - c. 1935-1941 production (Annual value in Yen; quantities of
principal products by units or weights)
Annual value= ¥16,000,000
(cotton yarn)
 - d. Present capitalization in Yen
¥5,000,000
 - e. Changes made in capital structure since 1935
none
 - f. Name and address of parent company
Mitsubishi Heavy Industries Co., Ltd.
4, 2-chome Marunouchi Kojimachi-ku,
Tokyo

g. Number of shares outstanding

100,000

h. Number of stockholders (Give names of those owing 10% or more of total)

Mitsubishi Honsha	22.6%
The Nippon Yusen Co. Ltd.	6.5%
Senji Kinyu Kinko	5.3%
The Meiji Seimei Hoken Co. Ltd.	5.3%
The Tokyo Kaijo Kasaihoken Co. Ltd.	4%
The Nippon Seimeihoken Co. Ltd.	2.8%
The Mitsubishi Denki Co. Ltd.	1.7%
The Chiyoda Seimeihoken Sogo Co. Ltd.	1.6%
The Daiichi Seimeihoken Sogo Co. Ltd.	1.3%
The Mitsubishi Shintaku Co. Ltd.	0.5%

i. Funds received from Government (Bounties, Subsidies etc.)

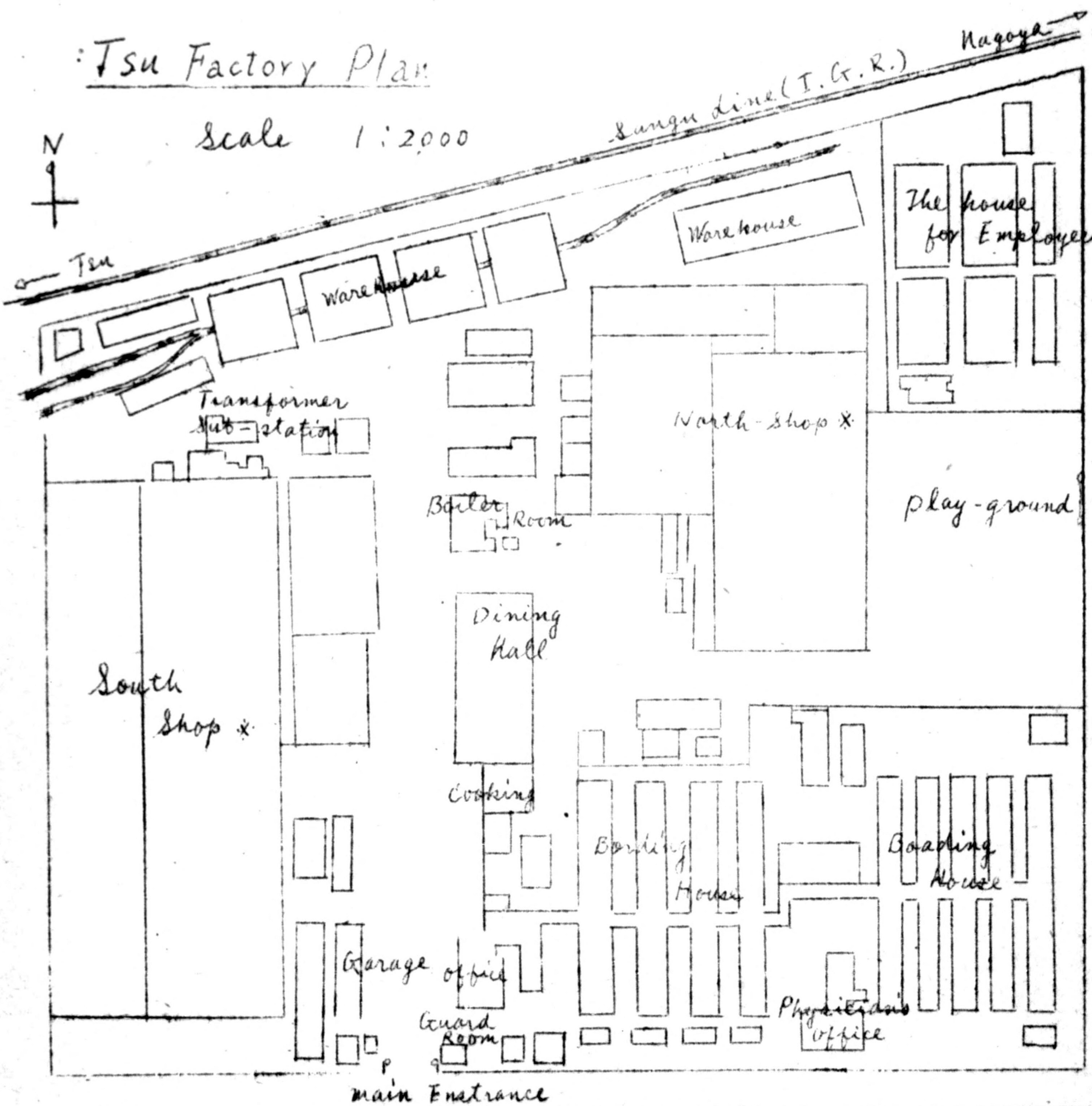
none

j. On reverse side give outline sketch of plant layout with approximate dimensions

see next page

Tsu Factory Plan

Scale 1:2000



* Remarks:

South Shop will be used for keeping machinery and equipments which are now under custody by General MacLathen directive.

North Shop will be used at first for newly planned productions.

Description

a. Principal product

- 1. wartime Aircraft wings
- 2. At Present Deep enclosure (all completed)
Commodities (for distressed employees)
- 3. Planned for 1945-1947

Agricultural Machines and Instruments
 Part-making of Vehicles and Repairing
 of Vehicles
 Medical Instruments
 Electric Refrigerator Case and Range
 Metal Furniture
 Commodities

b. Capacity

- 1. wartime Aircraft wings 50 sets per month
- 2. At Present Deep enclosure Finished
Commodities (for distressed employees)
500 sets per month
- 3. 1945-1947 (with unrestricted access to materials)

Rec'd. Thrashing

Agricultural Machines and Instruments
 1) Chaff Separating Machine
 2) Cultivating Machine
 3) Cultivator (Plough, Hoe, etc.)
 100 sets per month

Part-making of Vehicles and Repairing
 of Vehicles

- 1) Hand-cart
- 2) Parts of air-brake for freight and passenger car (Piston)
- 3) Light motor vehicle - small parts of chassis & motor
 5,000 pieces per month

Medical Instruments

- 1) Operating table and instrument
- 2) Disinfecting instrument

500 sets per month

Electric Refrigerator Case and Range

500 sets per month

Metal Furniture

- 1) locker 2) table and chair

300 sets per month

Commodities

- 1) corn vessel 2) kitchen, utensil

200 sets per month

5. Number of Employees

- 1. Part time (At July 1945) 2498
- 2. At Present 110
- 3. 1946-1947 (At Maximum Capacity) 500

6. Machinery and Equipment in Plant

Note. If this is an application for conversion of a war factory to peacetime production, describe proposed changes on the reverse side.

No changes are necessary for the conversion.

<u>Description</u>	<u>Size or Capacity</u>	<u>Quantity</u>	<u>Production during the war</u>	<u>Condition</u>	<u>Change for conversion</u> <u>needed or none</u>
Lathe	4 feet	6	gear box	Good	none
do	6 feet	14	do	do	do
do	8 feet	4	do	do	do
do	10 feet	1	do	do	do
do	6 feet	4	do	do	do
do	12 feet	2	do	do	do
Relieving Lathe		1	special cutter	o	do
Turret Lathe		3	gear box	do	do
Plain Miller	No. 1	2	metal fitting	do	do
Universal Miller		1	gear box	do	do
Plain Miller	No. 2	3	metal fitting	o	do
Vertical Miller	No. 1	2	operation wing	do	do
do	No. 2	3	do	do	do
Shaper		1	metal fitting	do	do
Vertical Shaper		1	pipe	do	o
Planer		1	union wing	do	do
Horizontal Borer		1	gear ^{of} box	do	do
Radial Driller		1	do	do	do
Upright Driller		2	nut	do	do
Cutter and Tool Grinder		1	burnishment of cutter	do	do
Cutter Grinder		1	do	do	do
Universal Grinder		4	burnishment of axle	do	do
Surface Grinder		1	do	do	do
Bench Driller		6	nut	do	do
Bite Grinder		5	burnishment of bite	do	do
Carboloy Grinder		1	do	do	do
Carboloy Mirror Finisher		1	switch	do	do
Thread Miller		1	thread cutting	do	do
Long Thread Miller		1	do	do	do
Gear Shaper		1	gear cutting	do	do
Bevel Gear Shaper		1	do	do	do

metal sawing machine	2	cutting of parts	do	do
projector	1	inspection of gear	do	do
Total	79			
Hydraulic Press 500 ton	1	rib of wing	repair	no parts
Welding Press 3 meter	1	stringer	good	none
Friction Press 100 ton	2	engine cover	do	do
do 30 ton	1	fitting	do	do
do 20 ton	1	do	do	do
Crank Press 50 ton	1	blanking parts	do	do
do 30 ton	1	do	do	do
do 20 ton	1	do	do	do
Square Shear 3x2000m/m	1	straight cutting of plate	do	do
do 3x1250m/m	1	do	do	do
Gap Shear 3x1250m/m	1	do	do	do
Curve Shear 10x1000m/m	1	curve cutting of plate	do	do
Hand Folding Machine 2x1000m/m	1	small bending parts	do	do
Squeezing M/C 2 HP	1	wing-tip skin and cover	do	do
Feeding M/C	1	tank skin	do	do
Hand Press	2	writing hole of bulkhead	do	do
Foot Squeezing M/C	2	squeezing of small part	do	do
Bending Roller	2	leading edge of wing	do	do
Wheeling M/C	2	skin of fuselage	do	do
Hand Saw 10inchx1/2	2	cutting of spar	do	do
Total	26			
Arc Welder 29KVA	1	big parts of steel base	do	do
do 15KVA	1	do	do	do
do 12 KVA	1	do	do	do
do 10KVA	1	do	do	do
Total	4			
Acetylene Gas Originator	1	gas welding	do	do
Air Compressor 175 HP	1	riveting of wing	do	do
Heat Treatment Hearth 2x1 m	1	heat treatment to dularain	do	do
Anticorrosive Instrument	1	dularain parts	do	do
Roll Blaster	1	purity to parts	do	do
Steam Hammer 1/2 ton	1	parts of under-carriage	do	do
Electric Hearth 20 KVA	1	heat treatment to rivet	do	do
Converter 25 KVA	1	electric drilling for making a hole	do	do
Total	8			

Final total 116

116 out of 1175 machines frozen are needed for this conversion.
 remarks

○ Showing machineries, which are applied by the Mizushima Plant of Mitsubishi Heavy Industries Co. Ltd., to be used for the conversion in Okayama Prefecture, will be used here as the first priority with your permission of our application.

△ Showing machineries, which are applied by the Mihara Works Plant, of Mitsubishi Heavy Industries Co. Ltd., to be removed to Hiroshima Prefecture, will be left here as the first priority with your permission.

7. Present stocks of Raw Materials Supplies and Unfinished Goods

<u>Description</u>	<u>Quantity</u>	<u>Condition</u>
Mild steel bar	150 ton	Good

Mild steel	plate	180	ton	good
do	pipe	35		do
do	wire	15		do
Steel wire rope		3		do
Special alloy steel		20		do
Metal underneath		50		do
Aluminum alloy bar		24.9		do
do	do plate	70		do
do	do pipe	1		do
Rivet		5		do
Copper alloy		27		do
Machine oil		440	gallon	do
Grease		3	ton	do
Paints		40	ton	do
Wood		210	m ³	do
Unfinished goods		1000		

8. Present stocks Finished Goods

<u>Description</u>	<u>Quantity</u>	<u>Condition</u>
Commodities	160 tons	good

9. Present stocks of Fuel

<u>Description</u>	<u>Quantity</u>
Gasoline	2,0000 gallon
Carlite	40 ton
Coke	40 ton

10. Machinery and Equipment needed for maximum production

same same as 10 as 6 above

11. Raw materials and Supplies needed (Monthly)

a. Present Capacity (5-b-2 above)

<u>Description</u>	<u>Quantity</u>
Mild steel plate	2 ton
Aluminum alloy plate	1 ton

b. For Maximum (5-b-3 above)

<u>Description</u>	<u>Quantity</u>
Mild steel bar	25 ton
do plate	30 ton
do pipe	6 ton
do wire	2.5 ton
Steel wire rope	0.5 ton
Special alloy steel	3.5 ton
Metal underneath	15 ton
Aluminum alloy bar	4 ton
do plate	12 ton
do pipe	1 ton
Rivet	1 ton
Copper alloy	4.5 ton