DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO:

APPENDIX

Table III

Number of Machines and Equipments of the Plant to Use Machines Designated for Reparations

Name of Mach. and Equip.	Total	In Use (Non-Reparations)	Not in Use (Non-Reparations)	Remarks
Machine Tools	40	35	5	
Industrial Machines	3	3	0	
Electrical Machines	6	6	0	
Others	2	2	0	2 of Gas Welding Machines
Total	51	46	5	

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO:

APPENDIX

Table IV

Member of Employees of the Plant to Use Machines Designated for Reparations

	Workshop	Clerical Staff	Total	Remarks
Present number of employees	97	9	106	
Increase or Decrease Accompanying Application	Increase 5	0	5	
Total	102	9	111	

Explanation concerning the balance of member of employees to using machines and equipments:

It is expected to maintain a proper proportion by increasing 5 veterans to each function and by dispositing properly veterans out of excessive personnel afforded by improvement of efficiency.

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

Written application for the use of Machines Facilities designated for Reparations

Date: March 20th 1950

From: Kumahira Works, Ltd.
No. 11 46, Ujina-machi, Hiroshima City

TO : The Japan Steel Works, Ltd., Hiroshima Works.
No. 2186, Aza Irikawa, Funakoshi-machi, Aki-gun
Hiroshima Prefecture.

Dear S ir;

I herewith apply the transfer and use of the machinery designated for reprarations on account of enlargement of our productive machines and equipments from Hiroshima Works of the Japan Steel Works, Ltd. to Kumahira Works, Ltd., as per attached list.

I w ill be absolutely perform of the maintenace and treatment of tranferred machines designated for reparations.

(Signed) S. Kumahira

Seiichi Kumahira, President,
Kumahira Works, Ltd.

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSS NO.

Attached List

Item	Maker	Type & Size	Inventory Noe	In Use(AU Re-TO.EX) or marks Not in Use
Planer	Yoshimatsu Kikai Seisakusho	Double Housing Length of Table 4150 m/m Width of Table 1330 m/m Vertical trave l of Head 950 m/m Trave l of Head 15500 m/m	11-14-1763	Dead storage
Planer	Takahashi Tekkosho	Double Housing Lenth of Table 3950 m/m Width of Table 1200 m/m Vertical travel of Head 1700 m/m Travel of Head 2200 m/m	11-14-1857	Dead storage
Shaper	Shoun Kosakusho	Horiz ontal Length of stroke 600 m/m Vertical travel of Head 300 m/m Size of Table 400x600 m/m	11-14-1825	Dead storage
Shaper	Shoun Kosakusho	Horizontal Length of stroke 600 m/m Size of Table 400x490 m/m	11-14-1813	AU
Slotter	Nagaoka Tekkosho	Vertical Length of stroke 300 m/m Dia of Table 760 m/m Table travel 490x490 m/m Distance columb to tool 600 m/m	11-14-1893	AU
Milling Machine	Nomura Seisakusho	Knee Type - Vertical No.3 Longitudisnl feed 865 m/m Cross feed 370 m/m Vertical feed 355 m/m Size of working surface table 419x1420 m/m	11-14-1685	Dead storage

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSC NO.

Milling Machine	M Iwasa Tekkosho	Knee Type - Universal Longitudinal feed 1,000m/m Cross feed 300m/m Vertical feed 450m/m Size of working surface 320x1600m/m	11-14-16079	Dead storage
Lathe	Tokyo Turret Kikai Seisakusho	Turret Chucking capacity 38m/m Working stroke 300m/m	11-14-758	Dead storage
Lathe	Yoshikawa Tekkosho	Engine Swing ove r bed 430m/m Sw ing over carriage 330m/m Distance betweencentere 2,000m/m Bed Length 3,050m/m	11-14-1062	Dead storage
Lathe	Osakakikai Seisakusho	Gap Swing over bed 620m/m Sw ing over carriage 480m/m Swing over Gap 1,120m/m Dis tance bet.centers 1,800 m/m Bed length 3,600m/m	11-14-889	Dead storage
Lathe	Ikegai Tekkosho	Engine Swing over bed 520m/m Swing over Carriage 175m/m Distance Bet.centers 1,500m/m Bed length 3,000m/m	11-14-814	A U
Sawing Machine	Hodogaya Tekkosho	Hack Max.working dimensions 50x200m/m	11-14-1942	TO

Total	12

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSC NO.

Written Agreement for the Transfer of Machine Facilities Designated for Reparations.

Date: 25 March 1950

From: The Japan Steel Works, Ltd., Hiroshima Works
2186 Aza-Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken.

To : Kumahira Works, Ltd.
#1146 Ujina-machi, Hiroshima City

I herewith approve the transfer of the machinery designated for reparations from the Japan Steel Works, Ltd., Hiroshima Works to Kumahira Works, Ltd. as per the attached list.

THE JAPAN STEEL WORKS, LTD.,
HIROSHIMA WORKS

T. Minakawa

TAKAMITSU MINAKAWA, Superintendent

DECLASSIFIED E.O. 12065 SECTION 3 102/NNSC NO.

Attached List

Item	Maker	Type & Size	Inventory No.	In Use(AU. TO,EX) or Remarks Not in Use
Planer	Yoshimatsu Kikai Seisakusho	Double Housing Length of talbe 4150 m/m Width of table 1330 m/m Vertical travel of Head 950 m/m Travel of Head 1580 m/m	11-14-1763	Dead storage
Planer	Takahashi Tekkosho	Double Housing Length of Table 3950 m/m Width of Table 1200 m/m Ve rtical travel of Head 1700 m/m Travel of Head 2200 m/m	11-14-1857	Dead storage
Shaper	Shoun Kosakusho	Horizontal Length of stroke 600 m/m Vertical travel of Head 300 m/m Siz e of Table 400x600 m/m	11-14-1825	Dead storage
Shaper	Shoun Kosakusho	Horizontal Length of Stroke 600 m/m Size of Table 400x480 m/m	11-14-1813	AU.
Slotter	Nagaoka Tekkos ho	Vertical Length of stroke 300 m/m Dia of Table 760 m/m Table travel 490x490 m/m Distance columnh to tool 600 m/m	11-14-1893	AU.
Milling Machine	Nomura Seisakusho	Knee Type-Vertical No.3 Longitudinal feed 865 m/m Cross feed 370 m/m Vertical feed 355 m/m Siz e of working surface table 419x1420 m/m	11-14-1685	Dead storage

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [redacted]

Milling Machine	Iwasa Tekkosho	Knee Type - Universal Longitudinal feed 1000m/m Cross feed 300m/m Vertical feed 450m/m Size of working surface 320x1600m/m	11-14-1609	Dead storage
Lathe	Tokyo Turret Kikai Seisakusho	Turret Chucking capacity 38m/m Working stroke 300m/m	11-14-758	Dead storage
Lathe	Yoshikawa Tekkosho	Engine Swing over bed 430m/m Swing over carriage 380 m/m Distance between centers 2,000m/m Bed length 3,050m/m	11-14-1062	Dead storage
Lathe	Osakakikai Seisakusho	Gap Sw ing over bed 620m/m Sw ing over Carriage 480m/m Swing over Gap 1,120m/m Deistance bet. centers 1,800 m/m Bed length 3,600m/m	11-14-889	Dead storage
Lathe	Ikegai Tekkosho	Engine Swing over bed 520m/m Swing over carriage 175m/m Distance bet. centers 1,500m/m Bed length 3,000m/m	11-14-814	AU.
Sawing Machine	Hodogaya Tekkosho	Hack Max.working dimensions 50x200x m/m	11-14-1942	XTO

Total	12

DECLASSIFIED E.O. 12065 SECTION 3-402/NNBS No.

COPY

Kumahira Works, Ltd.

No. 1146, Ujina-machi, Hiroshima City

LIST ATTACHED
TO APPLICATION FOR TRANSFER
& USE OF REPARATION MACHINES
& EQUIPMENTS

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

Attached List

Item	Maker	Type & Size	Inventory No.	In Use(AU. TO.EX) or Remarks Not in Use
Planer	Yoshimatsu Kikai Seisakusho	Double Housing Length of talbe 4150 m/m Width of table 1330 m/m Vertical travel of Head 950 m/m Travel of Head 1500 m/m	11-14-1763	Dead storage
Planer	Takahashi Tekkosho	Double Housing Length of Table 3950 m/m Width of Table 1200 m/m Ve rtical travel of Head 1700 m/m Travel of Head 2200 m/m	11-14-1857	Dead storage
Shaper	Shoun Kosakusho	Horizontal Length of stroke 600 m/m Verticsl travel of Head 300 m/m Siz e of Table 400x600 m/m	11-14-1825	Dead storage
Shaper	Shoun Kosakusho	Horizontal Length of Stroke 600 m/m Size of Table 400x480 m/m	11-14-1813	AU.
Slotter	Nagaoka Tekkos ho	Vertical Length of stroke 300 m/m Dia of Table 760 m/m Table travel 490x490 m/m Distance columh to tool 600 m/m	11-14-1893	AU.
Milling Machine	Nomura Seisakusho	Knee Type-Vertical No.3 Longitudinal feed 865 m/m Cross feed 370 m/m Vertical feed 355 m/m Siz e of working surface table 419x1420 m/m	11-14-1685	Dead storage

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

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Lathe	Tokyo Turret Kikai Seisakusho	Turret Chucking capacity 38m/m Working stroke 300m/m	11-14-758	Dead storage
Lathe	Yoshikawa Tekkosho	Engine Swing over bed 430m/m Swing over carriage 380 m/m Distance between centers 2,000m/m Bed length 3,050 m/m	11-14-1062	Dead storage
Lathe	Osakakikai Seisakusho	Gap Swing over bed 620 m/m Swing over Carriage 480m/m Swing over Gap 1,120m/m Distance bet. centres. 1,800 m/m Bed length 3,600m/m	11-14-889	Dead storage
Lathe	Ikegai Tekkosho	Engine Swing over bed 520m/m Swing over carriage 175m/m Distance bet. centers 1,500 m/m Bed length 3,000m/m	11-14-814	AU
Sawing Machine	Hodogaya Tekkosho	Hack Max, working dimensions 50x200 m/m	11-14-1942	TO.
Total		12		

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO. [illegible]

K. K. NIHON SEIKOSHO, HIROSHIMA SEISAKUSHO

(THE JAPAN STEEL WORKS, LTD., HIROSHIMA WORKS)

2.186 IRIKAWA, FUNAKOSHI-MACHI, AKI-GUN.
HIROSHIMA-KEN.

PHONE:
HIROSHIMA (2) 2391 & 2392
KAITAICHI 6 & 49

Ref. No. Sho-124

25 March 1950

TO : General Headquarters, Supreme Commander for the Allied Powers

THROUGH: Ministry of Commerce & Industry

SUBJECT: Application for Permit to Move and Use Reparations Machines

1. Name and location of plant intending to use the reparations machines.

K.K. Nihon Seikosho, Hiroshima Seisakusho
(The Japan Steel Works, Ltd., Hiroshima Works)

2186 Aza-Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

2. Name (code number) and location of plant, holding reparations machines.

Name of plant: K.K. Nihon Seikosho, Muroran Seisakusho
(The Japan Steel Works, Ltd., Muroran Works)

Code number : II B - 2 -, III B - 9 - .

Location : 4 Chatsu-machi, Muroran-shi, Hokkaido

3. General situation of the reparations machine intended to be used.
(Manufacturer's name, code number, name of machine, quantity, operating dimension and classification as of authorized use or dead storage.)

CODE NUMBER	NAME OF MACHINE	NO.	OPERATING DIMENSION	MFG'S NAME	A.U. OR DEAD STORAGE
II B 2-1	Drawing bench	1	Capacity 30 ton	Sakurada Mc. Seisakusho	Dead storage
IIIB 9-24	Metal circular sawing Mc.	1	Dia. of saw 1010mm	Japan Steel Works, Ltd.	"
IIIB 9-28	Centerless bar turning Mc.	1	Cutting: Max. 80mm Min. 15mm	Kiesering	"
	TOTAL		3		

4. General situation of plant intending to use reparations machine.

A. Production of plant intending to use reparations machine.

Parts for rolling stock, Parts and goods for mining, machines and equipments for manufacture of fertilizer, parts for ships

11-14 Sec. 14

DECLASSIFIED E.O. 12065 SECTION 3 402/NNDS NO.

parts and equipments for manufacture of iron and steel and sewing machine.

production quantity is per the attached No. 2

B. General situation of the reparations machine and comparison with workman.

As per the attached list No. 3 and 4

C. Experiences as to production technically in the past and future production plan.

Our plant has a facility capable of operating production from raw materials to finished goods, moreover, we have, with long experiences and superior technicians, engaged in production such as rolling stock, equipments and parts for the manufacture of fertilizer, parts for ship and mining, wich are absolutely necessary for the restoration of our country since the termination of war. At present, we are gradually attaining our monthly production goal of ¥50,000,000, and in the future we wish to give our further efforts to the production of export goods.

5. Reason for removal.

The present production of various spring steel and shaft for rolling stock and mining, also cutting of steel materials after cooling has been hindered by great troubles caused and waste of time because we do not have the machines and equipment required. Therefore, in order to improve and increase the production efficiency, we have made this application.

Furthermore, if these machines and equipment were to be obtained through ordinary market, it will take sometime, moreover, we cannot meet the demand financially at present. Since the removal is within our sister plant, the Muroran Works, we wish to ask for your approval for removal and usage.

6. Attachments:

(a) Owner's agreement of leaning machines and equipment.
(b) Copy of reconversion permit and permit for producting additional items.
(c) List No. 2, 3, & 4.

THE JAPAN STEEL WORKS, LTD., HIROSHIMA WORKS

T. Minakawa

T. Minakawa, Superintendent

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

TO : Hiroshima plant of the Japan Steel Works, Ltd.

FROM : Muroran plant of the Japan Steel Works, Ltd.

SUBJECT : Loan on reparations equipments.

Feb. 1950

Dear Gentleman

You have applied for the loan on the following reparations equipment. We have no Objection at all in the case that there s should be approval of the SCAP as this our Company is held a reparations designated works.

Your respectfully,

Sasaburo Kobayashi

Sasaburo Kobayashi
The Works president of the Muroran plant of the Japan Steel Works, Ltd.

Item

Inventory No.	Title	Unit	Cap.	Manufacturer	Year Manufacturer	Lease
II B 2-1	Drawing Bench	1	30 tons	Sakurada Machine Seisakusho	1942	From day of approval to day of reparations release
IIIB 9-24	Metal circuler Sawing Machine	1	dia of saw. 1.010 m	Japan Steel Works, Ltd.	1944	
IIIB-9-28	Center-less Bar turning Machine	1	Cutting Maximum 80mm Minimum 15mm	Kiezering	1940	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. [illegible]

(C O P Y)

HEADQUARTERS
SEVENTY-SIXTH MILITARY GOVERNMENT
HEADQUARTERS AND HEADQUARTERS COMPANY
APO 317 (Kure, Honshu)

Date 28 June 1946

SUBJECT: Permit for Reconversion from War Production and for Resumption of Production of Essential Civilian Commodities

TO : THE JAPAN STEEL WORKS CO., LTD., HIROSHIMA WORKS
(Name and address of firm)

2186 Aga Irikawa, Funakoshi-machi, Aki-gun
(Name and location of plant)

1. In accordance with the provisions of paragraph 3, of Directive No. 3 form the Supreme Commander for the Allied Powers, dated 22 September 1945, you are authorized to commence operation of your plant, and to manufacture the essential civilian commodities listed in annex 1 to this permit.

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

3. You will notify this headquarters in writing of the exact date upon which you commence manufacturing operations. This notice will be mailed not later than date of commencement of operations.

4. Two months after date of commencement of operations, and at the end of each month thereafter until notified to the contrary by this Headquarters, a report will be made to this Headquarters. This report will be written in English and will list each item, by name, type, and quantity produced by the above identified factory. This report will be delivered to this Headquarters not later than fifteen (15) days after the conclusion of the period to which the report pertains.

MURRAY H. ELLIS
Colonel, Cav.
SHGO

Info Copy to:
SCAP (Attn: Mse) (1)
CG Eighth Army (1)
Central Liaison Office (1)
(Imp. Jap. Gov)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. [illegible]

(C O P Y)

HEADQUARTERS
SEVENTY-SIXTH MILITARY GOVERNMENT
HEAD-QUARTERS AND HEADQUARTERS COMPANY
APO 317 (Kure)

Date: 28 June 1946

ANNEX NO. 1

Permission is granted to JAPAN STEEL WORKS CO., HIROSHIMA WORKS

2166 Aza Irikawa, Funakoshi-machi, Aki-gun

to produce at the
(Name and location of plant)

The following items listed below: Monthly production

Parts for electric locomotive	500 sets
Flour mixer	20
Cream separator	50
Farm implements	500 sets
Household appliances	100
Accessories for furniture	10,000
Industrial machine	20
Miscellaneous casting and forging	50 ton

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS No. [illegible]

(COPY)

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section

2d September 1948
Date

SUBJECT: Reconversion Permit for Reparations Plant

TO : Nihon Seikosho K.K., Hiroshima Plant,
#2186 Funakoshi-machi, Aki-gun, Hiroshima

1. In accordance with Memorandum from the Supreme Commander for the Allied Powers to the Japanese Government, dated 22 November 1946 (SCAPIN - 1355), the Nihon Seikosho K.K. is permitted to produce at their Hiroshima factory located at Funakoshi-machi the following additional items:

Item	Maximum Quantity
Sewing Machine	1,000 per month
X X X	X X X

2. The temporary use of the following additional reparations machinery is authorized:

X X X	X X X

3. A program will be immediately initiated to substitute non-reparations machinery for reparations machinery in temporary use.

4. 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 accordance with the regulations of the Japanese Government.

5. This permit is issued subject to any and all directives effecting reparations plants which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers. Reports will be rendered as required by current directives and instructions.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

F. E. VAUGHAN
Chief, Industry Division

DECLASSIFIED E.O. 12065 SECTION 3 402/NNDS NO. [illegible]

ANNEX SHEET # 2

PRODUCTION SITUATION OF PLANT INTENDING TO USE REPARATIONS MACHINES

ITEMS PERMITTED	PERMITTED BY	DATE OF PERMIT	PRODUCTION FOR ITEM	NOM. OF P.M. AMOUNT
Parts for elec. locomotive	Seventy-Sixth Military Gov.	28 June 1946	For rolling stock	¥2,919,265.00
Flour mixer	"	"	For mining	3,316,000.00
Cream separator	"	"	For manufacture of fertiliser	3,118,812.00
Farm implements	"	"	For ship	4,947,917.00
Household appliances	"	"	For electric	475,800.00
Accessories for furniture	"	"	For automobile	960,000.00
Industrial machine	"	"	Others	1,739,500.00
Miscellaneous casting and forging	"	"	For iron and steel	1,522,480.00
Sewing machine	General Headquarters, Supreme Commander for the Allied Powers	20 Sept. 1948	Sewing machine	1,664,000.00
			TOTAL	¥20,663,774.00

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO: 1[illegible]

ANNEX CHART # 3

Details on present equipments at the plant where Reparations Machines are intended to be used.

Classification	Total No.	Number of Mc. & equip. in use			Dead storage	Remarks
		Auth. Use	Temporary Use	EK		
Machine tool	2,015	602	121	10	1,292	
Auxiliary equip.	551	261	51	17	219	
Electrical equip.	257	111	14	4	132	
Others	---	---	--	--	---	
TOTAL	2,823	994	186	31	1,643	

DECLASSIFIED E.O. 12065 SECTION 3 102/NNSC NSC

ANNEX SHEET # 4

Particulars of employees at plant where Separations Machines are intended to be used.

Classification	Workman	Clerical Staff	Total	Remarks
present number	1,045	317	1,362	
Discrepancy due to permit	None	none	None	
TOTAL	1,045	317	1,362	

DECLASSIFIED E.O. 12065 SECTION 3 NLJ/RAC NSC

K. K. NIHON SEIKOSHO, HIROSHIMA SEISAKUSHO

(THE JAPAN STEEL WORKS, LTD., HIROSHIMA WORKS)

2.186 IRIKAWA, FUNAKOSHI-MACHI, AKI-GUN,
HIROSHIMA-KEN.

PHONE:
HIROSHIMA (2) 2391 & 2392
KAITAICHI 6 & 49

Ref. No. Sho-79

1 March 1950

SUBJECT: Application for permission to use machines & equipments in designated reparations plant

TO : SUPREME COMMANDER FOR THE ALLIED POWERS
US Army, Tokyo

THROUGH: Ministry of Commerce & Industry

We wish to herewith submit the above-mentioned subject application, the particulars of which are as follows:

1. Name of designated plant and code number

   K.K. Nihon Seikosho, Hiroshima Seisakusho
   (The Japan Steel Works, Ltd., Hiroshima Works)

   11-14, 11-5(71), 11-6(71)

2. Location of designated plant

   2186 Aza-Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

3. Name of principal products

   Parts for rolling stock, mining equipments, industrial machines (parts for manufacture of synthetic fertilizer ammonia compressor, Sulzer's 2000 HP gas compressor), miscellaneous casting and forging, sewing machine, cream separator, flour mixer, etc.

   NOTE: Reconversion permits are as per the attached.

4. List of reparation machines & equipments desired for authorized use.

As per the attached sheets.

II Sec 41-11

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

5. Reason for application

Machines and equipments requested for authorized use were legally given verbal authorization by official of the former Hiroshima Military Government Team on 17 February 1948 after inspecting the plant. We did not receive any written authorization at that time nor at present.

Recently, we were instructed through the Prefectural Office, Reparations Section to submit a written application for authorized use, which accounts for this application.

Total machines and equipments verbally authorized were nine hundred and ninty four (994), but through changes in our production plan since the authorization some of the machines and equipments are not in operation. We wish to have you consider machines and equipments not listed here, but are authorized use, as machines and equipments desired for exemption.

We ask for your special consideration on the above application, and wish to receive your kind permission at the earliest date possible.

JAPAN STEEL WORKS, HIROSHIMA WORKS

T. Minakawa

TAKAMITSU MINAKAWA
Superintendent

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO: [redacted]

COPY

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section

20 September 1948
Date

SUBJECT: Reconversion Permit for Reparations Plant
Nihon Seikosho K.K., Hiroshima Plant.
TO : #2186 Funakoshi-machi, Aki-gun, Hiroshima

1. In accordance with Memorandum from the Supreme Commander for the Allied Powers to the Japanese Government, dated 22 November 1946 (SCAPIN - 1355), the Nihon Seikosho K.K. is permitted to produce at their Hiroshima factory located at Funakoshi-machi the following additional items:

Item	Maximum Quantity
Sewing machine	1,000 per month
XXXX	XXXX

2. The temporary use of the following additional reparations machinery is authorized:

XXXX	XXXX

3. A program will be immediately initiated to substitude non-reparations machinery for reparations machinery in temporary use.

4. 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 accordance with the regulations of the Japanese Government.

5. This permit is issued subject to any and all directives effecting reparations plants which have been issued or may hereafter be issued by the Supréme Commander for the Allied Powers. Reports will be rendered as required by current directives and instructions.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

W. S. VAUGHAN
Chief, Industry Division

DECLASSIFIED E.O. 12065 SECTION 3 402/NNDS NO. [redacted]

C O P Y

HEADQUARTERS
SEVENTY-SIXTH MILITARY GOVERNMENT
HEADQUARTERS AND HEADQUARTERS COMPANY
APO 317 (Kure, Honshu)

Date 28 June 1946

SUBJECT: Permit for Reconversion from War Production and for Resumption of Production of Essential Civilian Commodities

TO : THE JAPAN STEEL WORKS CO., LTD., HIROSHIMA WORKS
(Name and address of firm)

2186 Aza Irikawa, Funakoshi-machi, Aki-gun

(Same)
(Name and location of plant)

1. In accordance with the provisions of paragraph 3, of Directive No. 3 form the Supreme Commander for the Allied Powers, dated 22 September 1945, you are authorized to commence operation of your plant, and to manufacture the essential civilian commodities listed in annex 1 to this permit.

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

3. You will notify this headquarters in writing of the exact date upon which you commence manufacturing operations. This notice will be mailed not later than date of commencement of operations.

4. Two months after date of commencement of operations, and at the end of each month thereafter until notified to the contrary by this Headquarters, a report will be made to this Headquarters. This report will be written in English and will list each item, by name, type, and quantity produced by the above identified factory. This report will be delivered to this Headquarters not later than fifteen (15) days after the conclusion of the period to which the report pertains.

MURRAY H. ELLIS
Colonel, Cav.
SMGO

Info Copy to:
SCAP (attn: ESS) (1)
CG Eighth Army (1)
Central Liaison Office (1)
(Imp. Jap. Gov)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO: 770031

C O P Y

HEADQUARTERS
SEVENTY-SIXTH MILITARY GOVERNMENT
HEAD-QUARTERS AND HEADQUARTERS COMPANY
APO 317 (Kure)

Date 28 June 1946

ANNEX NO. 1

Permission is granted to JAPAN STEEL WORKS CO., HIROSHIMA WORKS

2186 Aza Irikawa, Funakoshi-machi, Aki-gun

to produce at the
(Name and location of plant)

The following items listed below: Monthly production

Parts for electric locomotive	500 sets
Flour mixer	50
Cream separator	50
Farm implements	500 sets
Household appliances	100
Accessories for furniture	10,000
Industrial machine	50
Miscellaneous casting and forging	50 ton

DECLASSIFIED E.O. 11652 SECTION 3 (E)(2)(B) NLE 03-

CODE NUMBER	NAME OF MACHINES & EQUIP.	TYPE	OPERATING DIMENSION		
11-14-903	Boring machine	Horizontal	Dia. of spindle		Travel of spindal
			90	x	1500mm
907	"	"	90	x	1500mm
1187	"	"	85	x	1500mm
1233	"	"	89	x	1500mm
1321	"	"	75	x	1270mm
1349	"	"	75	x	1270mm
1350	"	Turning Mill	Swing dia.		1260mm
			Max. height of work		1000mm
146	Drilling machine	Radial	Max. dist. spindle center to column		1000mm
		"	"		1225mm
152	"	"	"		1525mm
232	"	"	"		1525mm
233	"	"	"		1525mm
245	"	Upright	Swing		380mm
178	"	"	"		380mm
179	"	Sensitive	"		360mm
252	"	"	"		360mm
253	"				
1486	Gear cutting machine	Straight bevel gear generator	Pitch dia.	max.	550mm
		"	"	max.	500mm
1518	"	"	"	max.	1200mm
1521	Gear hobbing machine	Vertical	"	max.	600mm
1589	"	"	"	max.	1000mm
1670	"	"	"	max.	600mm
1688	Gear shaping machine	Spur	"	max.	600mm
1705	Gear hobbing machine	Vertical	"	max.	260mm
1706	"	"	"	max.	260mm
1707	"	"	"	max.	120mm
1710	"	"	"	max.	200mm
1711	Gear shaping machine	Spur	"	max.	200mm
1712	"	"	"	max.	850mm
1714	Gear hobbing machine	Vertical	"	max.	120mm
1718	"	"	"	max.	1200mm
1719	"	"	"	max.	340mm
375	Gear tooth grinder	Spur & helical			
388	Grinder	Universal tool & cutter	Swing		center to center
			220	x	350mm
		"	150	x	800mm
413	"	Double head	Dia. of wheel		300mm
376	"	"	"		300mm
454	"	"	"		480mm
482	"				
691	Lathe	Engine	Swing		dist. between centers
			440	x	1500mm
		"	580	x	1500mm
713	"	"	500	x	2000mm
718	"	"	500	x	2000mm
719	"	"	370	x	500mm
720	"	"	370	x	500mm
722	"	"	610	x	2400mm
806	"	"	440	x	1500mm
809	"	"	460	x	1000mm
815	"	"	460	x	1000mm
816	"	"	500	x	2000mm
885	"	"	500	x	2000mm
886	"				

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CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION
11-14-890	Lathe	Gap	Over bed 620mm Over gap 1200mm x 1800mm
916	"	Engine	Swing dist. between centers 570 x 1960mm
917	"	"	570 x 1960mm
1003	"	"	520 x 2000mm
1008	"	"	520 x 2000mm
1012	"	"	520 x 2000mm
1013	"	"	520 x 2000mm
1016	"	"	700 x 2000mm
1017	"	"	700 x 2000mm
1151	"	"	425 x 750mm
1153	"	"	425 x 750mm
1288	"	"	380 x 1000mm
1297	"	Gap	Over bed 435 Over gap 660 x 1250mm
1298	"	"	Over bed 435 Over gap 660 x 1250mm
1333	"	Engine	Swing dist. between centers 460 x 1000mm
1335	"	"	1340 x 7200mm
1336	"	"	1340 x 9150mm
1337	"	"	1340 x 9150mm
1338	"	"	435 x 1220mm
1341	"	"	1340 x 7200mm
1342	"	"	1340 x 7200mm
1345	"	"	1200 x 2800mm
1390	"	Light duty	310 x 450mm
1405	"	Engine	460 x 1000mm
1408	"	"	460 x 1000mm
1413	"	"	460 x 1000mm
1426	"	"	400 x 1000mm
655	" - Turret	Ram	Round bar capacity 32mm
746	"	Saddle	" 45mm
1277	"	"	" 35mm
1279	"	"	" 35mm
1280	"	"	" 35mm
1377	"	"	" 32mm
1454	"	"	" 30mm
1463	"	"	" 45mm
1694	Milling machine	Horizontal	Longti. feed Cross feed Vert. feed 660 x 250 x 430mm
1530	"	Vertical	900 x 280 x 315mm
1541	"	"	1000 x 280 x 450mm
1543	"	"	1000 x 280 x 450mm
1560	"	"	1000 x 280 x 450mm
1563	"	"	1000 x 280 x 450mm
1576	"	"	1000 x 280 x 450mm
1578	"	"	1000 x 280 x 450mm
1583	"	Vertical-bed type	1500 x 900 x ---mm
1603	"	"	1500 x 900 x ---mm
1666	"	"	863 x 355 x 400mm
1723	"	Vertical	760 x 250 x 300mm
1568	"	"	690 x 240 x 410mm
1509	"	Universal	860 x 350 x 450mm

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CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION
11-14-1734	Planer	Double housing	Max. length x width x height 4000 x 850 x 850mm
1841	"	"	2420 x 920 x 1100mm
1864	"	"	2420 x 920 x 1100mm
1888	"	"	3640 x 1240 x 1650mm
1729	Shaper	Horizontal	Length of stroke 600mm
1896	"	"	" 600mm
1913	"	"	" 600mm
1732	Slotter	Vertical	" 300mm
1738	"	"	" 400mm
1870	"	"	" 200mm
1901	"	"	" 200mm
1938	Sawing machine	Hack	Max. work size 125 x 335mm
2125	Welding machine	Arc	Capacity 300 amp. 15 KW
2126	"	"	Capacity 300 amp. 15 KW
2174	Testing machine	Bevel gear testing jig	Max. dia. of work 240mm
2175	"	Spur gear testing jig	Max. dia. of work 200mm
8	Compressor	Air	Capacity 6.06m3/min. pressure 8kg/cm2
13	"	"	" 7.46m3/min " 7kg/cm2
17	Compressor	"	Capacity14.8m3/min. pressure 7kg/cm2
84	Crane	Overhead bridge	Lifting capacity 15 ton
85	"	"	" 10 ton
87	"	"	" 5 ton
89	"	"	" 15 ton
2364	Transformer	Out-door	Capacity 150KVA Phase single
2365	"	"	Capacity 150KVA Phase single
2366	"	"	Capacity 150KVA Phase single
2464	"	"	Capacity 50KVA Phase single
909	Boring machine	Horizontal	Dia. of spindle Travel of spindle 89 x 1500mm
910	"	"	89 x 1500mm
1274	"	"	90 x 1150mm
1384	"	Vertical	Swing dia. 900mm Vert. travel of turret 550mm
1385	"	"	Swing dia. 900mm Vert. travel of turret 550mm
130	Drilling machine	Radial	Max. dist. spindle center to column 1530mm
133	"	"	" 1250mm
149	"	"	" 1250mm
193	"	"	" 1560mm
200	"	"	" 1250mm
246	"	"	" 1250mm
249	"	"	" 1500mm
117	"	Upright	Swing 380mm
154	"	"	" 600mm
205	"	"	" 540mm
208	"	Sensitive	" 355mm
222	"	Upright	" 380mm
223	"	"	" 380mm
224	"	"	" 380mm
251	"	"	" 390mm

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CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION		
11-14-257	Drilling machine	Upright	Swing		250mm
359	Grinding machine	Plain	Swing	center to center	
			180	x 500mm	
475	"	Surface	Swing 560mm	Table dia. 800 x	200mm
366	"	Universal tool & cutter	Swing 150mm	center to center	650mm
387	"	"	Swing 420mm	Center to center	420mm
345	"	Double head	Dia. of wheel		200mm
378	"	"	"		480mm
382	"	"	"		250mm
384	"	"	"		200mm
394	"	"	"		500mm
437	"	"	"		300mm
452	"	"	"		300mm
487	"	"	"		360mm
1209	Lathe	Engine	Swing	dist. between centers	
			410	x 760mm	
1265	"	"	360	x 900mm	
1391	"	"	310	x 450mm	
1392	"	"	310	x 450mm	
11-5(71)-227	"	Light duty	290	x 410mm	
228	"	"	290	x 410mm	
231	"	"	290	x 410mm	
234	"	"	290	x 410mm	
245	"	"	290	x 410mm	
11-14-632	"	Engine	1220	x 3350mm	
711	"	"	400	x 1000mm	
807	"	"	440	x 1500mm	
808	"	"	440	x 1500mm	
813	"	"	520	x 1500mm	
Withdrawn 814	"	"	520	x 1500mm	
883	"	"	500	x 1620mm	
1005	"	"	520	x 2000mm	
1064	"	"	700	x 2000mm	
1065	"	"	700	x 2000mm	
1067	"	"	700	x 2000mm	
1125	"	Gap	Over bed 480		
			Over gap 730	x 1090mm	
1165	"	Engine	Swing	dist. between centers	
			460	x 1000mm	
1218	"	"	880	x 2600mm	
1220	"	"	440	x 1500mm	
1311	"	"	435	x 1350mm	
1312	"	"	460	x 1000mm	
1313	"	"	460	x 1000mm	
1314	"	"	460	x 1000mm	
1329	"	"	460	x 1000mm	
1332	"	"	460	x 1000mm	
1404	"	"	460	x 1000mm	
1412	"	"	460	x 1000mm	
1414	"	"	460	x 1000mm	
1419	"	"	460	x 1000mm	
1420	"	"	460	x 1000mm	
1421	"	"	460	x 1000mm	

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSS NO.

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION			
11-14-1427	Lathe	Engine	Swing 480 x	dist. between centers 1170mm		
1428	"	"	480 x	1170mm		
11-5(71)-216	"	"	500 x	1000mm		
217	"	"	500 x	1000mm		
219	"	"	500 x	1000mm		
11-14-564	" - Turret	Saddle	Round bar capacity			75mm
652	"	Ram	"			90mm
749	"	Saddle	"			45mm
1455	"	"	"			30mm
11-5(71)-518	"	Ram	"			47mm
519	"	"	"			47mm
11-14-1483	Milling machine	Vertical	Longit. feed 863 x	Cross feed 355 x	Vert. feed 406mm	
1514	"	"	863 x	355 x	406mm	
1515	"	Vertical bed type	1500 x	890 x	---	
1517	"	Vertical	860 x	355 x	410mm	
1545	"	"	860 x	355 x	410mm	
1569	"	"	800 x	300 x	300mm	
1579	"	"	1000 x	280 x	450mm	
1624	"	"	700 x	300 x	450mm	
1625	"	"	700 x	300 x	450mm	
1626	"	"	700 x	250 x	380mm	
1629	"	"	700 x	300 x	450mm	
1632	"	"	700 x	250 x	380mm	
1634	"	"	700 x	250 x	380mm	
1636	"	Vertical bed type	1520 x	980 x	---	
1650	"	Vertical	865 x	370 x	355mm	
1665	"	Universal	625 x	220 x	600mm	
1488	"	"	800 x	200 x	600mm	
1489	"	"	700 x	270 x	430mm	
1490	"	"	700 x	250 x	400mm	
1570	"	"	700 x	300 x	300mm	
1652	"	Horizontal	660 x	250 x	430mm	
1693	"	"	660 x	250 x	430mm	
1696	"	Universal	864 x	368 x	355mm	
1627	"	"	860 x	300 x	480mm	
1676	"		Max. length	width	height	
1752	Planer "	Open side	4700 x	510 x	850mm	
		Double housing	3960 x	570 x	1220mm	
1782	"	"	3960 x	570 x	1220mm	
1783	"	"	3650 x	2030 x	1830mm	
1793	"	"	5700 x	700 x	1350mm	
1795	"	Horizontal	Length of stroke			610mm
1773	Shaper	"	"			600mm
1838	"	"	"			610mm
11-5(71)-164	"	Vertical	"			200mm
11-14-1799	Slotter	"				200mm
1800	"	"	"			400mm
1805	"	"	"			400mm
1830	"	"	"			300mm
1839	"	"	"			300mm
1840	"	"	"			460mm
1856	"	"	"			230mm
1879	"					

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CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION	
11-14-1930	Sawing machine	Hack	Max. work size	125 x 150mm
1935	"	"	"	125 x 150mm
1983	Screw machine	Bolt threading	"	40mm
2155	Welding machine	Arc	Capacity 250 amp.	22KW
2156	"	"	" 250 amp.	22KW
1	Compressor	Air	Capacity 0.694m3/min. Pres.	50kg/cm2
56	Crane	Over-head trolley	Lifting capacity	5 ton
67	"	"	"	5 ton
2296	Motor	AC	25HP	220V
2453	Transformer	Out-door	Capacity 50KVA	Phase single
647	Boring machine	Horizontal	Dia. of spindle	Travel of spindle
			90 x	1000mm
911	"	"	90 x	1200mm
1087	"	"	85 x	700mm
1088	"	"	85 x	700mm
1089	"	"	80 x	700mm
1185	"	"	90 x	1000mm
1224	"	"	90 x	1500mm
1344	"	"	127 x	1270mm
1208	"	Turning mill	Swing dia. 1250mm	Max. height of work 1000mm
1285	"	"	" 3500mm	" 2301mm
1327	"	"	" 2550mm	" 1800mm
2011	Oil groover		Length of working surface	400mm
127	Drilling machine	Radial	Max. dist. spindle center to column	1500mm
131	"	"	"	1500mm
132	"	"	"	1500mm
145	"	"	"	1250mm
148	"	"	"	1500mm
153	"	"	"	1500mm
163	"	Bench	Swing	360mm
180	"	Upright	"	380mm
181	"	"	"	380mm
219	"	"	"	380mm
284	"	Radial	Max. dist. spindle center to column	1500mm
238	"	"	"	1600mm
342	Grinding machine	Universal tool & cutter	Swing 120 x	center to center 270mm
381	"	Double head	Dia. of wheel	460mm
390	"	Universal tool & cutter	Swing 220 x	center to center 370mm
404	"	Double head	Dia. of wheel	360mm
405	"	"	"	360mm
407	"	"	"	150mm
709	Lathe	Engine	Swing 1500mm x	dist. between centers 3000mm
714	"	"	580 x	1500mm
717	"	"	570 x	1500mm
724	"	"	440 x	1500mm
725	"	"	440 x	1500mm
810	"	"	440 x	1500mm
817	"	"	460 x	1000mm
828	"	"	800 x	2300mm

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CODE NUMBER	NAME OF MC. & EQUIP.	TYPE OF OPERATING DIMENSION		
11-14-829	Lathe	Engine	Swing	dist. between centers
			800 x	2300mm
884	"	"	500 x	2000mm
887	"	"	500 x	2000mm
888	"	"	500 x	2000mm
1002	"	"	500 x	2000mm
1004	"	"	500 x	2000mm
1006	"	"	500 x	2000mm
1007	"	"	500 x	2000mm
1010	"	"	500 x	2000mm
1011	"	"	500 x	2000mm
1014	"	"	500 x	2000mm
1009	"	"	500 x	2000mm
1015	"	"	700 x	2000mm
1018	"	"	700 x	2000mm
1019	"	"	700 x	2000mm
1022	"	"	570 x	1350mm
1023	"	"	570 x	1350mm
1025	"	"	570 x	1350mm
1026	"	"	570 x	1350mm
1028	"	"	570 x	1350mm
1066	"	"	700 x	2000mm
1068	"	"	700 x	2000mm
1162	"	"	360 x	850mm
1164	"	"	460 x	1000mm
1166	"	"	460 x	1000mm
1167	"	"	600 x	1100mm
1172	"	"	1350 x	4570mm
1215	"	Gap	Over bed 540 x	1600mm
			Over gap 1000	
		Engihe	Swing	dist. between centers
1230	"		920 x	3500mm
1266	"	"	360 x	900mm
1281	"	"	360 x	850mm
1292	"	"	380 x	1000mm
1304	"	"	520 x	1100mm
1305	"	"	520 x	1100mm
1309	"	"	425 x	1300mm
1317	"	"	700 x	2500mm
1318	"	"	700 x	2500mm
1319	"	"	700 x	2500mm
1320	"	"	700 x	2500mm
1330	"	"	460 x	1000mm
1346	"	"	1200 x	2500mm
1406	"	"	460 x	1000mm
1410	"	"	460 x	1000mm
1411	"	"	460 x	1000mm
1415	"	"	460 x	1000mm
1418	"	"	460 x	1000mm
1422	"	"	460 x	1000mm
1424	"	"	460 x	1000mm
1425	"	"	480 x	1170mm
1498	Milling machine	Vertical bed type	Long. feed 1275 x	cross feed 1625 x Vert. feed ---mm
1529	"	Vertical	865 x	350 x 430mm

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CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION				
11-14-1532	Milling machine	Vertical	Longti. feed	865	Cross feed x	350	Vert. feed x 430mm
	"	Horizontal		350	x	200	x 500mm
1535	"	Vertical		1000	x	280	x 450mm
1542	"	"		1000	x	280	x 450mm
1544	"	Vertical-bed type		1500	x	900	x ---
1552	"	Vertical		1000	x	280	x 450mm
1561	"	"		500	x	160	x 300mm
1590	"	"		500	x	160	x 300mm
1591	"	Universal		865	x	300	x 485mm
1593	"	Vertical		1000	x	280	x 450mm
1562	"	"		1000	x	280	x 450mm
1575	"	"		1000	x	280	x 450mm
1580	"	Universal		865	x	305	x 485mm
1594	"	"		865	x	305	x 485mm
1596	"	Vertical-bed type		1500	x	900	x ---
1602	"	Vertical		865	x	370	x 355mm
1605	"	Universal		865	x	305	x 485mm
1611	"	Vertical		500	x	160	x 300mm
1614	"	Vertical-bed type		1300	x	400	x ---
1616	"	"		1300	x	400	x ---
1617	"	Vertical		500	x	160	x 300mm
1621	"	"		500	x	160	x 300mm
1633	"	"		865	x	368	x 355mm
1661	"	"		865	x	368	x 355mm
1867	"	"		865	x	368	x 355mm
1683	"	"		865	x	368	x 355mm
1686	"	Vertical-bed type		1500	x	900	x ---
1721		Open side	Max. length		width		height
1766	Planer			3300	x	800	x 800mm
	"	"		4000	x	900	x 1200mm
1781	"	Double housing		4000	x	1500	x 1800mm
1814	"	"		5150	x	1200	x 1500mm
1859	"	"		5150	x	1200	x 1500mm
1862	"	Vertical	Length of stroke				500mm
1767	Slotter	"					400mm
1807	"	"					420mm
1831	"	"					200mm
1846	"	"					200mm
1848	"	"					200mm
1849	"	"					460mm
1855	"	"					510mm
1919	"	"					750mm
1925	"	"					600mm
1736	Shaper	Horizontal					600mm
1774	"	"					600mm
1884	"	"					710mm
1912	"	Hack	Max. work size			125	x 350mm
1936	Sawing machine	"				150	x 440mm
1939	"	Arc.	Capacity	300 amp.			12 KW
2105	Welding machine	"	"	300 amp.			15 KW
2113	"	"	"	300 amp.			15 KW
2123	"	"	"	300 amp.			26 KVA
2124	"	"	"	300 amp.			3.5KW
2150	"	Spot	"				
2131							

DECLASSIFIED E.O. 12065 SECTION 3 402/MNSC NT

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION	
11-14-68	Crane	Overhead twolley	Lifting capacity	10 ton
71	"	"	"	5 ton
72	"	"	"	5 ton
74	"	"	"	5 ton
2479	Transformer	Out-door	Capacity 50 KVA Phase single	
2003	Broaching machine	Horizontal	Pressure M.T.	2
199.	Drilling machine	Radial	Max. dist. spindle to column 1070mm	
481	Grinder	Surface	Swing 140mm Table dia. 450 x 210mm	
11-5(71)-64	"	Centerless	Dia. to be ground	75mm
11-14-379	"	Double head	Dia. of wheel	400mm
380	"	"	"	460mm
1031	Lathe	Gap	Over bed 530 x 1500mm Over gap 1000	
1032	"	"	"	
1124	"	Engine	Swing over bed Dist. between centers	
			435 x 1250mm	
1139	"	Light duty	280 x 500mm	
1370	"	Engine	360 x 850mm	
1623	Milling machine	Vertical	Longit. feed Cross feed Vert. feed	
			700 x 300 x 450mm	
64	Crane	Overhead bridge	Lifting capacity	5 ton
65	"	"	"	5 ton
2456	Transformer	Out-door	Capacity 50 KVA single phase	
2457	"	"	" 50 KVA single phase	
2458	"	"	" 50 KVA single phase	
680	Boring machine	Horizontal	Dia. of spindle Travel of spindle	
			80 x 600mm	
703	"	"	80 x 620mm	
578	"	Turning mill	Swing dia. 1200mm Max. height of work	800mm
159	"	Jig	Dia. of spindle	80mm
			Travel of spindle	400mm
189	Drilling machine	Radial	Max. dist. spindle center to column	1070mm
164	"	Bench	Swing	380mm
176	"	Upright	Swing	380mm
240	"	"	Swing	400mm
361	Grinding machine	Internal	Swing 225 Center to center	1400mm
399	"	"	Swing	395mm
417	"	Plain	Swing 280 Center to center	1000mm
433	"	Surface	Dia. and thickness of wheel	302 x 12mm
			Table travel	570mm
447	"	Surface shap gauge	Max. width to be ground	170mm
465	"	Universal	Swing 280 Center to center	700mm
466	"	"	" 280 "	700mm
354	"	Surface rotary	Dia. & thickness of wheel	300 x 25mm
			Table dia.	500mm
478	"	Surface	Dia. and thickness of wheel	160x10mm
			Table travel	500mm
63	"	Centerless	Dia. to be ground	75mm
355	"	Universal tool & cutter	Swing 260 center to center	500mm
357	"	"	" 55 "	210mm
412	"	Universal	" 300 center to center	900mm
392	"	Double head	Dia. & thickness of wheel	240x25mm
403	"	"	"	350x50mm
423	"	"	"	350x30mm

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSS NO. [illegible]

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION
11-14-439	Grinding machine	Double head	Dia. & thickness of wheel 350 x 50mm.
615	Lathe	Engine	Swing 550 x Dist. between centers 1050mm
700	"	"	500 x 2000mm
701	"	"	440 x 1000mm
702	"	"	440 x 1000mm
704	"	"	350 x 1000mm
705	"	"	350 x 1000mm
708	"	Relieving	520 x 1050mm
716	"	Engine	500 x 2000mm
721	"	"	370 x 500mm
723	"	"	410 x 750mm
726	"	"	410 x 750mm
727	"	"	410 x 750mm
734	"	"	380 x 750mm
805	"	"	375 x 1000mm
812	"	"	520 x 1500mm
1001	"	"	520 x 2000mm
1024	"	"	570 x 1350mm
1106	"	Gap	Over bed 600 x 1800mm Over gap 1040
		Engine	Swing Dist. between centers
1371	"		360 x 850mm
1403	"	"	390 x 760mm
1423	"	"	460 x 1000mm
1526	Milling machine	Vertical	Longit. feed Cross feed Vert. feed
			800 x 230 x 420mm
1534	"	"	810 x 360 x 410mm
1577	"	"	1000 x 280 x 450mm
1581	"	"	1000 x 280 x 450mm
1660	"	"	860 x 370 x 350mm
1717	"	"	360 x 355 x 400mm
1500	"	Horizontal	750 x 170 x 550mm
1691	"	Universal	710 x 250 x 400mm
1651	"	"	700 x 300 x 300mm
1524	"	Thread external	Swing 190mm Max. capacity 60 x 240mm
1574	"	"	" 400 " 160x1100mm
1792	Planer	Double housing	Max. length width height
			3500 x 1020 x 1200mm
1910	"	Open side	3960 x 830 x 1100mm
1777	Shaper	Horizontal	Length of stroke 600mm
1860	"	"	" 600mm
1880	"	"	" 500mm
1885	"	"	" 600mm
1875	Slotter	Vertical	" 200mm
467	Horning machine	Cylindrical	Length of stroke 635mm
			Max. work dimension 100 x 635mm
1943	Sawing machine	Hack	Max. work dimension 185 x 355mm
449	Cut-off machine	Abrasive	Max. work dimension 40mm
1999	Plate thinner		Max. width of stroke 250mm
			Dia. of roller 200mm
2024	Mechanical press	Vertical	Pressure M.T. 50 ton
			Size of table 750 x 320mm
2025	"	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO:

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION	
11-14-2000	Mechanical press	Inclinable knuckle joint	Pressure	5 ton
			Size of table	460 x 250mm
2001	"	"	"	
2015	"	"	Pressure 10 ton	size of table 500x300mm
2016	"	"	"	
2017	"	"	"	
1988	Shearing machine	Nibbling	Max. work dimension	3mm
1998	"	Square shear	"	thick. 2.5 x 900mm L.
2117	Welding machine	Arc.	Capacity AC 300 amp.	15 KW
2171	Inspection Measuring Mc.	Comparator	Max. work dimension	scale 2000mm
107	Crane	Overhead bridge	Lifting capacity	3 ton
2390	Transformer	Out-door	Capacity 150KVA	Phase single
2391	"	"	"	
2392	"	"	"	
649	Boring machine	Turning mill	Swing dia. 6000 Max. height of work	2500mm
2628	"	Horizontal	Chucking capacity	990mm
			Length of borinb bar	15000mm
2629	"	"	"	760mm
			"	13500mm
622	Lathe	Engine	Swing Dist between centers	
			1500 x	10,800mm
646	"	"	1820 x	19800mm
48	Crane	Overhead bridge	Lifting capacity	15 ton
49	"	"	"	
50	"	"	"	
2374	Transformer	Out-door	Capacity 150KVA	Phase single
58	Crane	Overhead bridge	Lifting capacity	60 ton
2410	Transformer	Out-door	Capacity 100KVA	Phase single
2411	"	"	"	
2412	"	"	"	
2206	Furnace-Elec.	Heroult type-Arc basic	One charge capacity	3 ton
2208	"	"	"	3 ton
		Acid		
2199	Furnace (Koshiki)	Cupola	Melting capacity	1ton/hr.
2200	"	"	"	½ton/hr.
2189	Blower	Turbo	Delivery volume	90m3/min.
			Delivery pressure	0.07kg/cm2
2213	Heating furnace	Drying	Size of heating chamber	3.5x3.5x3m
2214	"	"	"	
2217	"	"	Size of heating chamber	3.5x3.5x3.9m
2218	"	"	"	
2219	"	"	Size of heating chamber	5x4.5x3m
2220	"	"	"	
2223	"	"	"	
2224	"	"	Size of heating chamber	3x4.5x3m
2226	Roasting	Shipt Kiln	Roasting capacity	2 ton/hr.
1951	Sand mill	Edge runner	One charge capacity	300 kg.
1959	"	"	"	45 kg.
2201	"	"	"	45 kg.
2243	"	"	"	60 kg.
2244	"	"	"	60 kg.
2247	"	"	"	60 kg.

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO:

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION	
11-14-2249	Sand mill	Edge runner	One charge capacity	60 kg.
2253	"	"	"	300 kg.
2254	"	"	"	300 kg.
2257	"	"	"	300 kg.
2245	Sand blast		Max. pressure of blast	7kg/cm2
10	Compressor	Air	Capacity 7.3m3/min Pressure	7kg/cm2.
43	Crane	Overhead bridge	Lifting capacity	10 ton
44	"	"	"	10 ton
47	"	"	"	5 ton
52	"	"	"	5 ton
53	"	"	"	5 ton
54	"	"	"	5 ton
55	"	"	"	5 ton
59	"	"	"	20 ton
77	"	"	"	15 ton
78	"	"	"	20 ton
79	"	"	"	10 ton
86	"	"	"	5 ton
88	"	"	"	5 ton
96	"	"	"	5 ton
97	"	"	"	5 ton
100	"	"	"	10 ton
104	"	"	"	1 ton
45	"	Hoist	"	1 ton
2049	"	Jib	"	2 ton
2068	"	"	"	1 ton
2070	"	"	"	1 ton
438	Grinder	Double head	Dia. & thickness of wheel	460x50mm
114	Drilling machine	Upright	Swing	360mm
2361	Transformer	Out-door	Capacity 150KVA Phase	single
2362	"	"	" "	"
2363	"	"	" "	"
2375	"	"	" "	"
267	Furnace-Elec.	Annealing	Capacity Max. temp.	Size of heating chamber
			300 KVA 900°c	1.7x1.8x3m
				2.3x3x1.8m
306	" -Coal	"		2.3x4.5x1.8m
307	"	"		
70	Crane	Overhead bridge	Lifting capacity	5 ton
95	"	"	"	5 ton
103	"			10 ton
2255	Sand blast		Max. pressure of blast	7kg/cm2
2256	"		"	7kg/cm2
2	Compressor	Air	Capacity 14.2m3/min pressure	7kg/cm2
24	"	"	Capacity 14.8m3/min pressure	7kg/cm2
25	"	"	Capacity 14.8m3/min pressure	7kg/cm2
26	"	"	Capacity 14.8m3/min pressure	7kg/cm2
2197	Blower	Centrifugal	Delivery volumn	23m3/min.
			Delivery pressure	0.07kg/cm2
2089	Welding machine	Arc	Capacity AC 300amp.	15KW
2090	"	"	" AC 300amp.	15KW
2095	"	"	" AC 400amp.	10KW
2099	"	"	" DC 400amp.	20KW
2104	"	"	" AC 300amp.	12KW
2119	"	"	" AC 300amp.	15KW

DECLASSIFIED E.O. 12065 SECTION 3 (E)(1)(2)(3) or (4)

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION		
11-14-2152	Welding machine	Arc	Capacity	AC 300 amp.	26KVA
2153	"	"	"	AC 300 amp.	26KVA
2165	"	"	"	AC 250 amp.	22KVA
2166	"	"	"	AC 250 amp.	22KVA
116	Drilling machine	Upright	Swing		450mm
349	Grinder	Double head	Dia. of thickness of wheel		450x50mm
363	"	"	"		460x50mm
364	"	"	"		460x50mm
397	"	"	"		460x50mm
398	"	"	"		460x50mm
483	"	"	"		460x50mm
495	"	"	"		460x50mm
496	"	"	"		460x50mm
1039	Lathe	Gap	Swing over bed 680 Swing over gap 1200	x	1800mm
1221	"	"	Swing over bed 650 Swing over bed 1120	x	1200mm
1826	Shaper	Horizontal	Length of stroke		600mm
2178	Hardness testing Mc.	Brinnell	Max. load		3000 kg.
2318	Motor	AC	Horsepower 15		220V
2381	Transformer	Out-door	Capacity 150KVA		Single phase
2382	"	"	" 150KVA		Single phase
2488	"	"	" 50KVA		Single phase
2489	"	"	" 50KVA		Single phase
2490	"	"	" 50KVA		Single phase
73	Crane	Overhead bridge	Lifting capacity		5 ton
2138	Welding machine	Arc	Capacity	AC 250 amp.	10 KW
2164	"	"	"	AC 250 amp.	22 KW
2107	"	"	"	AC 300 amp.	15 KW
135	Drilling machine	Upright	Swing		400mm
216	"	Radial	Max. dist. spindle center to column		1000mm
226	"	Upright	Swing		350mm
2483	Transformer	Out-door	Capacity 50 KVA		Single phase
2484	"	"	" 50 KVA		Single phase
2228	Wood turning lathe		Swing		500mm
229	"	"	Max. length of work		1400mm
2232	"		Max. length of work 1500mm	Swing	525mm
1842	Wood planer	Single head	" 1400mm	"	520mm
1843	"	"	Size of head dia.		100 x 350mm
2233	Band saw		" "		60 x 60 x 500mm
160	Drilling machine	Vertical	Width of saw 25mm dia. of wheel		1000mm
402	Plane grinder	Single	Dia. of table		200mm
2227	Disc sander	Vertical	Dia. & thickness of wheel		220x 20mm
2323	Motor	AC	Dia. of disc.		750mm
37	Boiler	Lanchashire	Horsepower 7.5HP	200 - 220V	
36	"	"	Working pressure 8.4kg/cm2	capacity	1200HP
29	Compressor	Air	"		
30	"	"	Capacity 14.8m3/min.	pressure	7kg/cm2
28	"	"	"		
27	"	"	"		
18	"	"	"		
21	"	"	"		
23	"	"	"		

DECLASSIFIED E.O. 12065 SECTION 3 102/MRS NO.

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION
11-14-16	Compressor	Air	Capacity 7m3/min. pressure 7.72kg/cm2
14	"	"	" 15m3/min. pressure 7kg/cm2
497	Forging machine	Steam hammer	Falling weight 250 kg.
498	"	"	" 500 kg.
499	"	"	" 250 kg.
500	"	"	" 1000 kg.
503	"	"	" 1500 kg.
504	"	"	" 3000 kg.
516	"	"	" 1000 kg.
319	Heating furnace	Coal	Size of heating chamber 1070x1070x762mm
317	"	"	"
297	Heat treating furnace	Elec. pot	A.C. 220v 3 phase 50KW Temp. 900°c
			Size of heating chamber dia. 600x1000mm
295	"	"	"
278	"	"	"
287	Heating furnace	Coal	Size of heating chamber 1830x1830x1220mm
288	"	"	" 1830x1830x1220mm
272	"	"	" 1140x1370x735mm
261	"	"	" 1370x1675x1015mm
66	Crane	Overhead bridge	Lifting capacity 3 ton
2038	"	Jib	" 3 ton
2047	"	"	" 2 ton
2049	"	"	" 3 ton
2050	"	"	" 3 ton
2190	Blower	Centrifugal	Delivery volume 116m3/min.
			Delivery pressure 0.07kg/cm2
362	Grinder	Double head	Dia. of thickness of wheel 460x75mm
2146	Welding machine	Arc	Capacity AC 300 amp. 10KW
2106	"	Flash butt	" AC 300 amp. 200 KVA
1987	Mechanical press	Friction	Pressure 5 ton
2168	Hardness testing Mc.	Brinnell	Max. load 3000 kg.
1949	Pump	Steam driven	Capacity 11000kg/min.
1948	"	"	" 20000kg/min.
2444	Transformer	Out-door	Capacity 75KVA single phase
2445	"	"	"
2446	"	"	"
1947	Hydraulic press	Vertical	Pressure 100 ton
1954	"	"	" 120 ton
1953	"	"	" 150 ton
1952	"	"	" 300 ton
1962	"	"	" 120 ton
1964	Pump	Hydraulic power	Capacity 370 litre/min.
			Pressure 245 kg/cm2
1963	Hydraulic press	Vertical	Pressure 250 ton
1957	Pump	Hydraulic power	Capacity 150L/min. Pressure 245kg/cm2
512	Forging machine	Hammer-air	Falling weight 750 kg.
259	Heating furnace	Coal	Size of heating chamber 3950x1180x830mm
286	"	"	" 3950x1080x830mm
305	"	"	" 1950x1550x780mm
320	"	"	" 1070x1070x762mm
321	"	"	" 1070x1070x762mm
643	Drawing machine	Rod	Max. dia. of work table stock 30mm
			Stroke of work 2750mm
83	Crane	Overhead bridge	Lifting capacity 5 ton
81	"	"	" 5 ton

DECLASSIFIED E.O. 12065 SECTION 3 102/NNSG NSC

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION	
11-14-2006	Mechanical press	Friction	Pressure	300 ton
459	Grinder	Double head	Dia & thickness of wheel	400x38mm
2439	Transformer	Out-door	Capacity 75KVA	single phase
2440	"	"	"	"
2441	"	"	"	"
2480	"	"	Capacity 50KVA	single phase
2481	"	"	"	"
513	Forging machine	Hammer-air	Falling wbight	250 kg.
576	Spring winding machine		Max. swing of work stock	635mm
			Max. dia. of work stock	180mm
328	Heating furnace	Coal	Size of heating chamber	540x8000x400mm
330	"	"	"	1300x1000x720mm
332	"	"	"	1300x1000x720mm
329	"	"	"	1730x2000x615mm
279	"	Electric pot	AC 220V 3 phase	16KW Temp. 900°c
			Size of furnace	350 x 300 x 370mm
337	Heat treating furnace	Coal muffle	Size of chamber	300 x 750 x 250mm
333	"	Lead bath	"	400 x 1330 x 560mm
428	Grinder	Double head	Dia. & thickness of wheel	358x38mm
470	"	"	"	509x51mm
1965	Pump	Centrifugal	Capacity 150L/min. pressure	31kg/cm2
2182	Spring testing	Tension & compression	Max. working stress	30,000 kg.
2029	Manual press	Hand screw	Max. pressure	2 ton
2467	Transformer	Out-door	Capacity 50KVA	single phase
2468	"	"	"	"
2469	"	"	"	"
2470	"	"	"	"
2471	"	"	"	"
2472	"	"	"	"
338	Heat treating furnace	Electric Resistance	AC 12KW Max. temperature	800°c
			Size of heating chamber	260x150x560mm
302	"	Salt bath	AC 20KW max. temperature	1350°c
			Size of heating chamber	160x160x160mm
325	"	"	AC 15KW Max. temperature	1350°c
			Size of heating chamber	150c150x150mm
300	"	Electric Resistance	AC 20KW Max. temperature	900°c
			Size of heating chamber	450x750x400mm
301	"	"	AC 30KW Max. temperature	900°c
			Size of heating chamber	700x450x500mm
327	Melting furnace	High frequency-Induc.	AC 35KW Melting capacity	18kg/hr.
11-5(7)475	Heat treating furnace	Electric Resistance	AC 40KW Max. temperature	1000°c
			Size of heating chamber	450x450x1050mm
482	"	"	"	167 kg.
11-14-505	Forging machine	Hammer-air	Falling weight	
2086	Welding machine	Elec.-Automatic Hydrogen	AC 70 amp.	8 KVA
2116	"	Elec.-Arc	AC 300 amp.	10 KW
396	Cut-off machine	Abrasive	Max. work size dia.	35mm
1937	Sawing machine		" 250 x	350mm
356	Grinder	Single head	Dia. & thickness of wheel	500x40mm
427	"	Double head	"	350x50mm
436	"	"	"	250x30mm
464	"	"	"	250x33mm
2181	Hardness testing	Rockwell	Load	150 kg.

DECLASSIFIED E.O. 12065 SECTION 3 (E)(2) NARS NO.

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION
11-14-1513	Milling machine	Vertical	Longitu.feed Cross feed Vertical feed 700 x 350 x 300mm
2192	Blower	Impeller	Delivery volumn 23m3/mih. delivery pressure 0.07kg/cm2
2321	Motor	AC	10 HP 200 - 220V
2393	Transformmer	Outdoor	Capacity 150KVA Single phase
2400	"	"	" 100KVA "
2401	"	"	" 100KVA "
2402	"	"	" 100KVA "
11-6(71)-7	Forging machine	Hammer-air	Falling weight 125 kg.
11-14-15	Compressor	Air	Capacity 16.4m3/min. pressure 7kg/cm2
80	Crane	Overhead	Capacity 3 ton
82	"	"	" 5 ton
139	Drilling machine	Upright	Drilling capacity dia. 50 x depth 310mm
140	"	Radial	Max. dist. spindle center to column 1250mm
150	"	"	" 1000mm
174	"	Upright	Drilling capacity dia. 25 x depth 190mm
215	"	Radial	Max. dist. spindle center to column 1000mm
218	"	Upright	Drilling capacity dia. 25 x depth 190mm
225	"	"	"
235	"	Radial	Max dist. spindle center to column 1500mm
244	"	Upright	Drilling capacity dia. 32 x depth 260mm
256	"	"	" dia. 25 x depth 260mm
415	Grinder	Double head	Dia. & thickness of wheel 180 x 20mm
431	"	"	" 250 x 30mm
468	"	"	" 360 x 50mm
472	"	"	" 360 x 50mm
1780	Planer	Open side	Max. length width height 3900 x 950 x 2000mm
1984	Bending machine	Plate	Length of work stock 2800mm
			Width of work stock 400mm
			Thicknessof work stock 20mm
1985	Shearing & punching Mc.	Combination	Width of work stock 340mm
			Thickness of work stock 20mm
			Punching stroke 200mm
1989	Mechanical press	Friction	Pressure 50 ton
1990	Bending machine	Coil, Bending Roll	Bending of pipe dia. 38 x thick. 3mm
1992	Mechanical press	Vertical	Pressure 100 ton
2002	"	"	" 50 ton
2007	"	"	" 300 ton
2010	Bending machine	Plate roll	Width of work stock 2000 mm
			Thickness of work stock 6mm
2021	Mechanical press	Friction	Pressure 150 ton
2022	Shearing machine	Square shear	Width of work stock 2000mm
			Thickness of work stock 12mm
2023	Mechanical press	Vertical	Pressure 50 ton
2027	"	Folding	" 100 ton
2071	Crane	Jib	Lifting capacity 1 ton
2072	"	"	" ½ ton
2074	"	"	" ½ ton
2100	Welding machine	Arc	AC 300 amp 27 KVA
2101	"	"	" 12 KVA
2102	"	"	" "
2108	"	"	" 15 KVA
2110	"	"	" "

DECLASSIFIED E.O. 12065 SECTION 3 (E)(2) MAR 8 1978

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION
11-14-2111	Welding machine	Arc	AC 300 amp. 15 KW
2112	"	"	"
2114	"	"	"
2134	"	"	AC 250 amp. " 10 KW
2135	"	"	"
2136	"	"	"
2137	"	"	"
2143	"	"	AC 300 amp. 27 KVA
2151	"	"	AC 300 amp. 26 KVA
2188	Blower	Centrifugal fan	Delivery volume 0.35kg/cm2
			Delivery pressure 30.1m3/min.
2288	Motor	AC	30 HP 200 -- 220V
2404	Transformer	Out-door	Capacity 100KVA single phase
2405	"	"	"
2406	"	"	"
2459	"	"	"
2437	"	"	Capacity 75KVA single phase
2438	"	"	"
2460	"	"	Capacity 50KVA Single phase
2461	"	"	"
2462	"	"	"
2463	"	"	"
2326	Generator-motor		Capacity 350KW Voltage 220,440V
2328	Motor	Induction	Capacity 500HP
2327	Generator-motor		Capacity 350KW Voltage 220,440V
2329	Motor	Induction	Capacity 500HP
2506	Switch gear	Indoor panal-Vert.	DC 440V Current 800 amp.
2507	"	"	" Current 1000 amp.
2508	"	"	[illegible] Current 800 amp.
2511	"	"	O.C.B. 3300V Current 100 amp.
2512	"	"	DC 440V Current 2000 amp.
2513	"	"	O.C.B. 3300V Current 100 amp.
2514	"	"	DC 440V Current 2000 amp.
2260	"	" (1)	O.C.B. 22000V Current 300 amp.
		(1)	" 3300V Current 600 amp.
2330	Transformer	Out-door	Capacity 2100KVA Phase single
2331	"	"	"
2332	"	"	"
2333	"	"	"
2337	"	"	Capacity 700KVA Phase single
2338	"	"	"
2339	"	"	"
2340	"	"	"
2266	Switch gear	Indoor panel	O.C.B. 22000V 400 amp.
			" 3300V 1500 amp.
			" 3300V 300 amp.
2267	"	"	O.C.B. 3300 V 600 amp.
			" 3300 V 300 amp.
2268	"	"	O.C.B. 3300V 600 amp.
			" 3300V 500 amp.
2269	"	"	O.C.B. 3300V 300 amp.
2502	"	"	"
2503	"	"	O.C.B. 3300V 600 amp.
			" 3300V 300 amp.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

CODE NUMBER	NAME OF MC. & EQUIP.	TYPE	OPERATING DIMENSION	
11-14-2504	Switch gear	Indoor panel O.C.B.	22000V	400 amp.
		"	3300V	600 amp.
		"	3300V	500 amp.
		"	3300V	600 amp.
2505	"	O.C.B.	3300V	300 amp.
		"	3300V	
2478	Transformer	Out-door	Capacity	50 KVA. single phase
2184	Hardness tester	Rockwell	Max. load and scale	100kg. load B scale
			100	100kg. load C scale
			100	
2185	"	Vickers	Max. load 56 kg. stroke	350mm
2167	Physical property testing machine	Universal	Max. working stress	50,000 kg.
2176	Impact tester	Charpy	Capacity	30 kg.-m
2179	Physical property testing machine	Universal	Max. working stress	50,000 kg.
2169	Pressure tester	Vacumm	Measuring range	0-85kg/cm2
2170	"	Brinnell	"	0-760mm atmosphere
2180	Hardness tester		Max. load 3000 kg. stroke	350mm
2258	Plating apparatus		In-put AC 220V 3 Phase 62.5KVA	
			Out-put 300amp. DC 15V 45KW.	
420	Grinder	Double head	Dia. and width of wheel 320 x 25mm	
2230	Wood turning lathe		Max. length of work swing	
			810 x 430mm	
1905	Wood planer	Single head	Dia. & length of work	75 x 260mm
1924	"	"	"	110 x 510mm
1926	"	"	"	75 x 260mm
1928	"	"	"	60 x 350mm
2234	Band saw	Stationary table	Width of saw 37mm	length of saw 8000mm
			Working height	100mm
2235	Circular saw		Dia. of circular saw	540mm
2236	Wood moulding machine	Vertical	Table size 780 x 920mm	
2237	Circular saw	Double	Dia. of circular saw	350mm
2240	"		"	upper 140 lower 180
2241	"		"	250mm
2242	"		"	400mm
123	Drilling machine	Vertical	Dist. spindle center to column	250mm
258	"	"	"	130mm
351	Sharpner	Circular saw	Dia. of saw to be ground	1000mm
2352	Transformer	Out-door	Capacity 200 KVA 3 Phase	
2039	Crane	Railroad-locamotive	Steam pressure 5kg/cm2	
			Lifting capacity per hook	5 ton
2053	Locomotive	Coal	Tractive force	17 ton
2066	"	"	"	27 ton
2079	Stationary crane	Elec.	Lifting capacity	3 ton
1929	Sawing machine	Hack	Work dimension	200mm
2466	Tzansformer	Out-door	Capacity 50 KVA	single phase
2498	"	"	" 35 KVA	"
2499	"	"		"
2500	"	"		"
1972	Pump	Centrifugal	Delivery pressure	3.5kg/cm2
			Delivery volume	1.16m3/min.
1973	"	"		"

TOTAL 869

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO: [illegible]

11-1.
SEC. II

REPORT ON USE OF REPARATIONS INSTALLATION

A. Name: Japan Steel Works, Ltd., Hiroshima Works Code No: 11-14, 11-5(71), 11-(71)

B. Address: 2186 Funakoshi-machi, Aki-gun, Hiroshima-ken Date: 10 Feb. 1950

C. Copy of Conversion or Reconversion Permit

As per the attached

D. List of Items in Actual Production

As per the attached

E. A Copy of Application given date of submission, if an application for a new or change of present conversion or reconversion permit is pending approval from the SCAP.

NONE

F. List, by code No. and name, of reparations items in Authorized Use, given date and issuing headquarters of letter of authorization.

As per the attached

G. List, by code No. and name, of reparations items in use without permission for Authorized Use.

As per the attached

H. List, by code No. and name, of reparations items an application for A.U. permission, given date of submission of application to the SCAP.

As per the attached

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

(COPY)

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section

20 September 1948
Date

SUBJECT: Reconversion on Permit for Reparations Plant

TO : Nihon Seikosho K.K., Hiroshima Plant,
#2186 Funakoshi-machi, Aki-gun, Hiroshima

1. In accordance with Memorandum from the Supreme Commander for the Allied Powers to the Japanese Government, dated 22 November 1946 (SCAPIN - 1355), the Nihon Seikosho K.K. is permitted to produced at their Hiroshima factory located at Funakoshi-machi the following additional items:

Item	Maximum Quantity
Sewing Machine	1,000 per month
X X X	X X X

2. The temporary use of the following additional reparations machinery is authorized:

X X X	X X X

3. A program will be immediately initiated to substitude non-reparations machinery for reparations machinery is temporary use.

4. 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 accordance with the regulations of the Japanese Government.

5. This permit is issued subject to any and all directives effecting reparations plants which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers. Reports will be rendered as required by current directives and instructions.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

W. S. VAUGHAN
Chief, Industry Division

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO. [illegible]

(C O P Y)

H E A D Q U A R T E R S
SEVENTY-SIXTH MILITARY GOVERNMENT
HEADQUARTERS AND HEADQUARTERS COMPANY
APO 317 (Kure, Honshu)

Date 28 June 1946

SUBJECT: Permit for Reconversion from War Production and for Resumption of Production of Essential Civilian Commodities

TO : THE JAPAN STEEL WORKS CO., LTD., HIROSHIMA WORKS
(Name and address of Firm)

2186 Aza Irikawa, Funakoshi-machi, Aki-gun

(Same)
(Name and location of plant)

1. In accordance with the provisions of paragraph 3, of Directive No. 3 form the Supreme Commander for the Allied Powers, dated 22 September 1945, you are authorized to commence operation of your plant, and to manufacture the essential civilian commodities listed in annex 1 to this permit.

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

3. You will notify this headquarters in writing of the exact date upon which you commence manufacturing operations. This notice will be mailed not later than date of commencement of operations.

4. Two months after date of commencement of operations, and at the end of each month thereafter until notified to the contrary by this Headquarters, a report will be made to this Headquarters. This report will be written in English and will list each item, by name, type, and quantity produced by the above identified factory. This report will be delivered to this Headquarters not later than fifteen (15) days after the conclusion of the period to which the report pertains.

MURRAY H. ELLIS
Colonel, Cav.
SMGO

Info Copy to:
SCAP (attn: ESS) (1)
CG Eighth Army (1)
Central Liaison Office (1)
(Imp. Jap. Gov)

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

(C O P Y)

H E A D Q U A R T E R S
SEVENTY-SIXTH MILITARY GOVERNMENT
HEAD-QUARTERS AND HEADQUARTERS COMPANY
APO 317 (Kure)

Date 28 June 1946

ANNEX NO. 1

Permission is granted to JAPAN STEEL WORKS CO., HIROSHIMA WORKS
2186 Aza Irikawa, Funakoshi-machi, Aki-gun
to produce at the
(Name and location of plant)

The following items listed below:

	Monthly production
Parts for electric locomotive	500 sets
Flour mixer	50
Cream separator	50
Farm Implements	500 sets
Household appliances	100
Accessories for furniture	10,000
Industrial machine	50
Miscellaneous casting and forging	50 tons

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSS NO.

(COPY)

HEADQUARTERS
SEVENTY-SIXTH MILITARY GOVERNMENT
HEAD-QUARTERS AND HEADQUARTERS COMPANY
APO 317 (Kure)

Date 28 June 1946

ANNEX NO. 1

Permission is granted to JAPAN STEEL WORKS CO., HIROSHIMA WORKS

2186 Aza Irikawa, Funakoshi-machi, Aki-gun

to produce at the
(Name and location of plant)

The following items listed below:

	Monthly production
Parts for electric locomotive	500 sets
Flour mixer	50
Cream separator	50
Farm Implements	500 sets
Household appliances	100
Accessories for furniture	10,000
Industrial machine	50
Miscellaneous casting and forging	50 tons

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSS NO.

D. List of Items in Actual Production

Parts for rolling stock, mining equipments, industrial machines (parts for manufacture of synthetic fertilizer, ammonia compressor, Sulzer's 2000HP gas compressor), miscellaneous casting and forging, sewing machines, cream separator, flour mixer, etc.

DECLASSIFIED E.O. 12065 SECTION 3 (E)(2) NRS NO. [redacted]

LIST OF MACHINES & EQUIPMENTS IN AUTHORIZED USE

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-159	Boring machine	17 Feb. '48
578	"	"
618	"	"
619	"	"
643	"	"
647	"	"
649	"	"
680	"	"
703	"	"
835	"	"
836	"	"
903	"	"
907	"	"
909	"	"
910	"	"
911	"	"
1086	"	"
1087	"	"
1088	"	"
1089	"	"
1184	"	"
1185	"	"
1187	"	"
1208	"	"
1224	"	"
1233	"	"
1274	"	"
1285	"	"
1321	"	"
1327	"	"
1344	"	"
1349	"	"
1350	"	"
1360	"	"
1364	"	"
1376	"	"
1384	"	"
1385	"	"
1460	"	"
210	"	"
2005	Broaching machine	"
114	Drilling machine	"
116	"	"
117	"	"
123	"	"
127	"	"
130	"	"
131	"	"
132	"	"
133	"	"
135	"	"
139	"	"
140	"	"
145	"	"
146	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-148	Drilling machine	17 Feb. '48
149	"	"
150	"	"
152	"	"
153	"	"
154	"	"
163	"	"
164	"	"
174	"	"
176	"	"
178	"	"
179	"	"
180	"	"
181	"	"
184	"	"
186	"	"
189	"	"
193	"	"
194	"	"
199	"	"
200	"	"
205	"	"
208	"	"
215	"	"
216	"	"
218	"	"
219	"	"
221	"	"
222	"	"
223	"	"
224	"	"
225	"	"
226	"	"
232	"	"
233	"	"
234	"	"
235	"	"
236	"	"
240	"	"
244	"	"
245	"	"
246	"	"
248	"	"
249	"	"
251	"	"
252	"	"
253	"	"
256	"	"
257	"	"
11-5(71)-169	"	"
170	"	"
180	"	"
11-14-375	Gear cutting & finishing machine	

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-1436	Gear cutting & finishing machine	17 Feb. '48
1518	"	"
1521	"	"
1589	"	"
1647	"	"
1670	"	"
1688	"	"
1705	"	"
1706	"	"
1707	"	"
1708	"	"
1710	"	"
1711	"	"
1712	"	"
1713	"	"
1714	"	"
1718	"	"
1719	"	"
11-5(71)-97	"	"
11-14-342	Grinding machine	"
345	"	"
349	"	"
354	"	"
355	"	"
356	"	"
357	"	"
359	"	"
361	"	"
362	"	"
363	"	"
364	"	"
366	"	"
376	"	"
378	"	"
379	"	"
380	"	"
381	"	"
382	"	"
384	"	"
387	"	"
388	"	"
390	"	"
392	"	"
394	"	"
397	"	"
398	"	"
399	"	"
402	"	"
403	"	"
404	"	"
405	"	"
407	"	"
412	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSC NO.

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-413	Grinding machine	Uncertain
415	"	"
417	"	"
420	"	"
423	"	"
427	"	"
428	"	"
431	"	"
433	"	"
436	"	"
437	"	"
438	"	"
439	"	"
447	"	"
452	"	"
454	"	"
459	"	"
464	"	"
465	"	"
466	"	"
468	"	"
470	"	"
472	"	"
475	"	"
478	"	"
481	"	"
482	"	"
483	"	"
487	"	"
495	"	"
496	"	"
11-5(71)-63	"	"
64	"	"
78	"	"
11-14-564	Lathe	"
615	"	"
621	"	"
627	"	"
632	"	"
646	"	"
652	"	"
655	"	"
691	"	"
698	"	"
700	"	"
701	"	"
702	"	"
704	"	"
705	"	"
708	"	"
709	"	"
711	"	"
713	"	"
714	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO.

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF REMISSION
11-14-716	Lathe	17 Feb. '48
717	"	"
718	"	"
719	"	"
720	"	"
721	"	"
722	"	"
723	"	"
724	"	"
725	"	"
726	"	"
727	"	"
734	"	"
746	"	"
747	"	"
749	"	"
751	"	"
805	"	"
806	"	"
807	"	"
809	"	"
808	"	"
810	"	"
812	"	"
813	"	"
814	"	"
815	"	"
816	"	"
817	"	"
828	"	"
829	"	"
839	"	"
883	"	"
884	"	"
885	"	"
886	"	"
887	"	"
888	"	"
890	"	"
916	"	"
917	"	"
948	"	"
950	"	"
951	"	"
952	"	"
954	"	"
1001	"	"
1002	"	"
1003	"	"
1004	"	"
1005	"	"
1006	"	
1007		

DECLASSIFIED E.O. 12065 SECTION 3 (E)(4)(B) NSC

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-1008	Lathe	17 Feb. '48
1009	"	"
1010	"	"
1011	"	"
1012	"	"
1013	"	"
1014	"	"
1015	"	"
1016	"	"
1017	"	"
1018	"	"
1019	"	"
1022	"	"
1023	"	"
1024	"	"
1025	"	"
1026	"	"
1028	"	"
1029	"	"
1031	"	"
1032	"	"
1033	"	"
1035	"	"
1039	"	"
1064	"	"
1065	"	"
1066	"	"
1067	"	"
1068	"	"
1093	"	"
1106	"	"
1120	"	"
1124	"	"
1125	"	"
1139	"	"
1151	"	"
1153	"	"
1162	"	"
1164	"	"
1165	"	"
1166	"	"
1167	"	"
1171	"	"
1172	"	"
1190	"	"
1197	"	"
1198	"	"
1201	"	"
1209	"	"
1214	"	"
1215	"	"
1217	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO.

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-1218	Lathe	17 Feb. '48
1220	"	"
1221	"	"
1222	"	"
1230	"	"
1265	"	"
1266	"	"
1277	"	"
1279	"	"
1280	"	"
1281	"	"
1288	"	"
1292	"	"
1295	"	"
1296	"	"
1297	"	"
1298	"	"
1304	"	"
1305	"	"
1309	"	"
1311	"	"
1312	"	"
1313	"	"
1314	"	"
1317	"	"
1318	"	"
1319	"	"
1320	"	"
1328	"	"
1329	"	"
1330	"	"
1332	"	"
1333	"	"
1335	"	"
1336	"	"
1337	"	"
1338	"	"
1339	"	"
1341	"	"
1342	"	"
1345	"	"
1346	"	"
1370	"	"
1371	"	"
1375	"	"
1377	"	"
1390	"	"
1391	"	"
1392	"	"
1408	"	"
1404	"	"
1405	"	"
1406	"	"
1408	"	"

DECLASSIFIED E.O. 12065 SECTION 3 NND/NRS NO.

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-1410	Lathe	17 Feb. '48
1411	"	"
1412	"	"
1413	"	"
1414	"	"
1415	"	"
1418	"	"
1419	"	"
1420	"	"
1421	"	"
1422	"	"
1423	"	"
1424	"	"
1425	"	"
1426	"	"
1427	"	"
1454	"	"
1455	"	"
1462	"	"
1463	"	"
11-5(71)-47	"	"
216	"	"
217	"	"
219	"	"
227	"	"
228	"	"
231	"	"
234	"	"
237	"	"
241	"	"
243	"	"
244	"	"
245	"	"
249	"	"
255	"	"
260	"	"
261	"	"
263	"	"
265	"	"
266	"	"
292	"	"
293	"	"
410	"	"
478	"	"
483	"	"
484	"	"
491	"	"
492	"	"
502	"	"
503	"	"
505	"	"
512	"	"
513	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-5(71)-517	Lathe	17 Feb. '48
518	"	"
519	"	"
520	"	"
522	"	"
11-14-1483	Milling machine	"
1488	"	"
1489	"	"
1490	"	"
1498	"	"
1500	"	"
1509	"	"
1513	"	"
1514	"	"
1515	"	"
1517	"	"
1524	"	"
1526	"	"
1529	"	"
1530	"	"
1532	"	"
1534	"	"
1535	"	"
1541	"	"
1542	"	"
1543	"	"
1544	"	"
1545	"	"
1552	"	"
1560	"	"
1561	"	"
1562	"	"
1563	"	"
1564	"	"
1568	"	"
1569	"	"
1570	"	"
1574	"	"
1575	"	"
1576	"	"
1577	"	"
1578	"	"
1579	"	"
1580	"	"
1581	"	"
1583	"	"
1584	"	"
1590	"	"
1591	"	"
1593	"	"
1594	"	"
1596	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-1602	Milling machine	17 Feb. '48
1603	"	"
1605	"	"
1611	"	"
1616	"	"
1617	"	"
1619	"	"
1621	"	"
1623	"	"
1624	"	"
1625	"	"
1626	"	"
1627	"	"
1629	"	"
1632	"	"
1633	"	"
1634	"	"
1649	"	"
1650	"	"
1651	"	"
1652	"	"
1660	"	"
1661	"	"
1665	"	"
1666	"	"
1667	"	"
1676	"	"
1683	"	"
1686	"	"
1691	"	"
1692	"	"
1693	"	"
1694	"	"
1696	"	"
1717	"	"
1721	"	"
1723	"	"
11-5(71)-143	"	"
145	"	"
11-14-1729	Shaper	"
1732	Slotter	"
1736	Shaper	"
1738	Slotter	"
1762	"	"
1767	"	"
1773	Shaper	"
1774	"	"
1777	"	"
1799	Slotter	"
1800	"	"
1804	"	"
1805	"	"
1807	"	"
Withdrawn (1813)	Shaper	

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO: [redacted]

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-1826	Shaper	17 Feb. '48
1830	Slotter	"
1831	"	"
1838	Shaper	"
1839	Slotter	"
1840	"	"
1846	"	"
1848	"	"
1849	"	"
1850	"	"
1855	"	"
1856	"	"
1860	Shaper	"
1869	Slotter	"
1870	"	"
1872	"	"
1875	"	"
1878	"	"
1879	"	"
1880	Shaper	"
1884	"	"
1885	"	"
1892	Slotter	"
wiethaun 1893	"	"
1896	Shaper	"
1900	Slotter	"
1901	"	"
1909	"	"
1911	"	"
1912	Shaper	"
1913	"	"
1919	Slotter	"
1925	"	"
1929	Hack saw	"
1930	"	"
1935	"	"
1936	"	"
1937	"	"
1938	"	"
1939	"	"
1943	"	"
1983	Bolt cutting machine	"
11-5(71)-157	Slotter	"
164	Shaper	"
166	"	"
167	"	"
11-14-396	Cut-off machine-Abrasive	"
449	"	"
467	Honing machine-Cylindrical internal	"
1734	Planer	"
1752	"	"
1766	"	"
1780	"	"
1781	"	"
1782	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSS NO:

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-1783	Planer	17 Feb. '48
1792	"	"
1793	"	"
1795	"	"
1814	"	"
1841	"	"
1859	"	"
1862	"	"
1864	"	"
1888	"	"
1910	"	"
1984	Bending machine	"
1990	"	"
1999	"	"
2010	"	"
1947	Hydraulic press	"
1952	"	"
1953	"	"
1954	"	"
1962	"	"
1963	"	"
2029	Manual press	"
1887	Mechanical press	"
1989	"	"
1992	"	"
2000	"	"
2001	"	"
2002	"	"
2006	"	"
2007	"	"
2015	"	"
2016	"	"
2017	"	"
2021	"	"
2023	"	"
2024	"	"
2025	"	"
2027	"	"
11-5(71)-190	"	"
198	"	"
202	"	"
11-14-1985	Shearing & punching machine	"
1988	"	"
1998	"	"
2022	"	"
497	Forging machine	"
498	"	"
499	"	"
500	"	"
503	"	"
504	"	"
505	"	"
512	"	"
513	"	"
515	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSG NO. [illegible]

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-516	Forging machine	17 Feb. '48
11-6(71)-7	"	"
11-14-576	Wire forging machine	"
2086	Welding machine	"
2089	"	"
2090	"	"
2095	"	"
2099	"	"
2100	"	"
2101	"	"
2102	"	"
2104	"	"
2105	"	"
2106	"	"
2107	"	"
2108	"	"
2110	"	"
2111	"	"
2112	"	"
2113	"	"
2114	"	"
2116	"	"
2117	"	"
2119	"	"
2123	"	"
2124	"	"
2125	"	"
2126	"	"
2131	"	"
2134	"	"
2135	"	"
2136	"	"
2137	"	"
2138	"	"
2143	"	"
2146	"	"
2150	"	"
2151	"	"
2152	"	"
2153	"	"
2155	"	"
2156	"	"
2164	"	"
2165	"	"
2166	"	"
2167	Testing & measuring machine	"
2168	"	"
2169	"	"
2170	"	"
2171	"	"
2174	"	"
2175	"	"
2176	"	"
2178	"	"
2179	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO:

CODE NUMBER	NAMES OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2180	Testing & measuring machine	17 Feb. '48
2181	"	"
2182	"	"
2184	"	"
2185	"	"
267	Heat treating equipment	"
278	"	"
279	"	"
295	"	"
300	"	"
301	"	"
306	"	"
307	"	"
327	"	"
329	"	"
333	"	"
337	"	"
338	"	"
2258	"	"
11-5(71)-479	"	"
482	"	"
510	"	"
511	"	"
11-14-2288	Motor	"
2296	"	"
2318	"	"
2321	"	"
2323	"	"
2326	Motor generator	"
2327	"	"
2328	"	"
2329	"	"
2502	Switch gear	"
2503	"	"
2504	"	"
2505	"	"
2506	"	"
2507	"	"
2508	"	"
2511	"	"
2512	"	"
2513	"	"
2514	"	"
2260	"	"
2266	"	"
2267	"	"
2268	"	"
2269	"	"
1	Compressor	"
2	"	"
8	"	"
10	"	"
13	"	"
14	"	"
15	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNBS NO:

CODE NUMBER	NAMES OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-16	Compressor	17 Feb. '48
17	"	"
18	"	"
21	"	"
23	"	"
24	"	"
25	"	"
26	"	"
27	"	"
28	"	"
29	"	"
30	"	"
33	"	"
1948	Pump	"
1949	"	"
1957	"	"
1964	"	"
1965	"	"
1972	"	"
1973	"	"
36	Power boiler	"
37	"	"
2053	"	"
2066	"	"
43	Crane	"
44	"	"
45	"	"
47	"	"
48	"	"
49	"	"
50	"	"
52	"	"
53	"	"
54	"	"
55	"	"
56	"	"
58	"	"
59	"	"
64	"	"
65	"	"
66	"	"
67	"	"
68	"	"
71	"	"
72	"	"
73	"	"
74	"	"
77	"	"
78	"	"
79	"	"
80	"	"
81	"	"
82	"	"
83	"	"
84	"	"

DECLASSIFIED E.O. 11652 SECTION 3 (E)(2) NLE 08-

CODE NUMBER	NAMES OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-85	Crane	17 Feb. '48
86	"	"
87	"	"
88	"	"
89	"	"
90	"	"
95	"	"
96	"	"
97	"	"
100	"	"
103	"	"
104	"	"
107	"	"
2038	"	"
2039	"	"
2044	"	"
2047	"	"
2049	"	"
2050	"	"
2068	"	"
2070	"	"
2071	"	"
2072	"	"
2074	"	"
2079	"	"
1951	Casting machine	"
1959	"	"
2201	"	"
2243	"	"
2244	"	"
2245	"	"
2247	"	"
2249	"	"
2253	"	"
2254	"	"
2255	"	"
2256	"	"
2257	"	"
2330	Transformer	"
2331	"	"
2332	"	"
2333	"	"
2337	"	"
2338	"	"
2339	"	"
2340	"	"
2352	"	"
2360	"	"
2361	"	"
2362	"	"
2363	"	"
2364	"	"
2365	"	"
2366	"	"

DECLASSIFIED E.O. 11652 SECTION 3 (E)(2) MAR 0 [illegible]

CODE NUMBER	NAMES OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2370	Transformer	17 Feb. '48
2371	"	"
2372	"	"
2373	"	"
2374	"	"
2375	"	"
2378	"	"
2379	"	"
2380	"	"
2381	"	"
2382	"	"
2390	"	"
2391	"	"
2392	"	"
2393	"	"
2394	"	"
2395	"	"
2397	"	"
2398	"	"
2399	"	"
2400	"	"
2401	"	"
2402	"	"
2403	"	"
2404	"	"
2405	"	"
2406	"	"
2410	"	"
2411	"	"
2412	"	"
2420	"	"
2421	"	"
2437	"	"
2438	"	"
2439	"	"
2440	"	"
2441	"	"
2444	"	"
2445	"	"
2446	"	"
2453	"	"
2456	"	"
2457	"	"
2458	"	"
2459	"	"
2460	"	"
2461	"	"
2462	"	"
2463	"	"
2464	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

CODE NUMBER	NAMES OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2470	Transformer	17 Feb. '48
2471	"	"
2472	"	"
2478	"	"
2479	"	"
2480	"	"
2481	"	"
2483	"	"
2484	"	"
2488	"	"
2489	"	"
2490	"	"
2498	"	"
2499	"	"
2500	"	"
2199	Melting furnace	"
2200	"	"
2206	"	"
2208	"	"
259	Heating furnace	"
261	"	"
272	"	"
286	"	"
287	"	"
288	"	"
297	"	"
302	"	"
305	"	"
317	"	"
319	"	"
320	"	"
321	"	"
324	"	"
325	"	"
328	"	"
330	"	"
332	"	"
335	"	"
2213	"	"
2214	"	"
2217	"	"
2218	"	"
2219	"	"
2220	"	"
2223	"	"
2224	"	"
160	Wood working machine	"
258	"	"
351	"	"
1842	"	"
1843	"	"
1905	"	"
1924	"	"
1926	"	"
1928	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

CODE NUMBER	NAMES OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2227	Wood working machine	17 Feb. '48
2228	"	"
2229	"	"
2230	"	"
2232	"	"
2233	"	"
2234	"	"
2235	"	"
2236	"	"
2237	"	"
2240	"	"
2241	"	"
2242	"	"
2188	Blower-Centrifugal	"
2189	Blower-Turbo	"
2190	Blower-Centrifugal	"
2192	Blower-Exhaust-Impeller	"
2197	Blower-Centrifugal	"
2226	Roasting shaft-Kilm	"
2011	Boring machine	"
1428	Lathe	"
1614	Milling machine	"
1636	"	"

T O T A L 994

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG N.S.

LIST OF TEMPORARY USE MACHINES AND EQUIPMENTS

CODE NUMBER	NAMES OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2518	Microscope	22 Nov. '48
2642	Motor	"
2643	"	"
2644	"	"
2645	"	"
2646	"	"
2647	"	"
2648	"	"
2650	"	"
2651	"	"
2652	"	"
2653	"	"
2654	"	"
2655	"	"
2656	"	"
2657	"	"
2659	"	"
2660	"	"
2661	"	"
2662	"	"
2663	"	"
2664	"	"
2665	"	"
2666	"	"
2667	"	"
2668	"	"
2673 (2)	"	"
2674	"	"
2675	"	"
2676	"	"
2677	"	"
2678	"	"
2679	"	"
2680	"	"
2681	"	"
2682	"	"
2683	"	"
2685	"	"
2686	"	"
2687	"	"
2688	"	"
2689	"	"
2690	"	"
2691	"	"
2692	"	"
2693	"	"
2694	"	"
2695	"	"
2696	"	"
2697	"	"
2698	"	"
2699	"	"
2700	"	"
2702	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS N.S.

CODE NUMBER	NAMES OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2701	Motor	22 Nov. '48
2703	"	"
2704	"	"
2705	"	"
2706	"	"
2707	"	"
2708	"	"
2709	"	"
2710	"	"
2711	"	"
2712	"	"
2713	"	"
2714	"	"
2715	"	"
2718	"	"
2719	"	"
2721	"	"
2722	"	"
2723	"	"
2724	"	"
2725	"	"
2726	"	"
2727	"	"
2728	"	"
2729	"	"
2730	"	"
2731	"	"
2732	"	"
2733	"	"
2734	"	"
2735	"	"
2736	"	"
2737	"	"
2738	"	"
2739	"	"
2740	"	"
2741	"	"
2742	"	"
2743	"	"
2745	"	"
2746	"	"
2747	"	"
2748	"	"
2749	"	"
2750	"	"
2751	"	"
2752	"	"
2759	"	"
2756	"	"
2757	"	"
2760	"	"
2761	"	"
2762	"	"
2763	"	"
2764	"	"

DECLASSIFIED E.O. 12065 SECTION 3 4(b)/NNSA NSI

CODE NUMBER	NAMES OF EQUIPMENTS & MACHINES	DATE OF PERMISSION
11-14-2765	Motor	22 Nov. '48
2766	"	"
2767	"	"
2768	"	"
2769	"	"
2770	"	"
2771	"	"
2772	"	"
2773	"	"
2774	"	"
2775	"	"
2776	"	"
2777	"	"
2778	"	"
2779	"	"
2780	"	"
2781	"	"
2783	"	"
2784	"	"
2785	"	"
2895	Transformer	"
2896	"	"
2897	"	"
2898	"	"
2899	"	"
2900	"	"
2901	"	"
2902	"	"
2903	"	"
2904	"	"
2905	"	"
2906	"	"
2907	"	"
2908	"	"
2909	"	"
2910	"	"
2911	"	"
2912	"	"
2913	"	"
2914	"	"
2915	"	"
2916	"	"
2917	"	"
2918	"	"
2919	"	"
2920	"	"
2921	"	"
2922	"	"
2923	"	"
2924	"	"
2925	"	"
2926	"	"
2927	"	"
2928	"	"
2929	"	"
2930	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSG NS

CODE NUMBER	NAMES OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2931	Transformer	22 Nov. '48
2932	"	"
2933	"	"
2934	"	"
2935	"	"
2936	"	"
2937	"	"
2938	"	"
2939	"	"
2940	"	"
2941	"	"
2942	"	"
2943	"	"
2944	"	"
2945	"	"
2946	"	"
2947	"	"
2948	"	"
2949	"	"
2950	"	"
2951	"	"
2952	"	"
2953	"	"
2954	"	"
2955	"	"
2956	"	"
2957	"	"
2958	"	"
2959	"	"
2960	"	"
2961	"	"
2962	"	"
2963	"	"
2964	"	"
2965	"	"
2978	Switch Gear	"
2979	"	"
2980	"	"
2981	"	"
2991	"	"
2992	"	"
2993	"	"
2994	"	"
2995	"	"
2996	"	"
2997	"	"
2998	"	"
2999	"	"
3000	"	"
3001	"	"
3002	"	"
3003	"	"
3005	"	"
3006	"	"
3007	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSS NO.

CODE NUMBER	NAMES OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-3008	Switch gear	22 Nov. '48
3009	"	"
3010	"	"
3011	"	"
3012	"	"
3013	"	"
3015	"	"
3016	"	"
3017	"	"
3018	"	"
3019	"	"
3020	"	"
3021 (2)	"	"
3022 (2)	"	"
3023 (2)	"	"
3024 (2)	"	"
3025 (2)	"	"
3026 (2)	"	"
3027 (2)	"	"
3029 (2)	"	"
3030 (2)	"	"
3031 (2)	"	"
3032 (2)	"	"
3025 (1)	Air compressor	"
3026 (1)	"	"
3027 (1)	"	"
3031 (1)	"	"
3032	"	"
3133	"	"
3028	Blancing machine	"
3029	"	"
3023 (1)	Manual press	"
3024 (1)	"	"
3033	"	"
3034	"	"
3042	"	"
3043	"	"
3049	"	"
3050	"	"
3051	"	"
3075	"	"
3076	"	"
3077	"	"
3078	"	"
3083	"	"
3088	"	"
3089	"	"
3052	Tumbler	"
3053	"	"
3081	"	"
3082	"	"
3105	"	"

DECLASSIFIED E.O. 12065 SECTION 3 (E)(2) NND NO.

CODE NUMBER	NAMES OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-3054	Moulding machine	22 Nov. '48
3055	"	"
3056	"	"
3057	"	"
3058	"	"
3059	"	"
3060	Gas producer	"
3062	"	"
3063	"	"
3064	"	"
3104	"	"
3134	"	"
3074	Mould drying stove	"
3079	Sand blender	"
3080	"	"
3084	Generator	"
3085	"	"
3094	Blue printing machine	"
3095	"	"
3096	Pump	"
3097	"	"
3098	"	"
3099	"	"
3101	Weight dropper	"
3107	Hardness tester	"
3108	"	"
3109	"	"
3111	"	"
3112	"	"
3114	"	"
3119	polishing machine	"
3120	Motor vehicle	"
3121	"	"
3122	Tricar	"
3123	Motor truck	"
3125	"	"
3126	"	"
3127	"	"
3128	"	"
3129	Motor fire engine	"
3130	"	"
3131	Fire pump	"
3135	Car	"
3136	"	"
3137	"	"
3138	"	"
3139	"	"

DECLASSIFIED E.O. 11652 SECTION 3 (E)(2) NND 63

CODE NUMBER	NAMES OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2649	Motor	22 Nov. '48
2658	"	"
2669	"	"
2670	"	"
2671	"	"
2672	"	"
2673 (1)	"	"
2684	"	"
2717	"	"
2754	"	"
2755 (1)	"	"
2755 (2)	"	"
2758	"	"
2782	"	"
3004	Switch gear	"
3028 (2)	"	"
3030 (1)	Degreasing machine	"
3032 (1)	Manual press	"
3035	"	"
3036	"	"
3037	"	"
3038	"	"
3039	"	"
3040	"	"
3041	"	"
3044	"	"
3045	"	"
3046	"	"
3047	"	"
3048	"	"
3061	Boiler	"
3086	Generator	"
3087	"	"
3090	Boiler	"
3091	"	"
3092	"	"
3100	"	"
3102	"	"
3103	"	"
3106	Hardness tester	"
3113	"	"
3115	"	"
3116	"	"
3124	Motor truck	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO.

LIST OF MACHINES AND EQUIPMENTS PERMITED FOR TEMPORARY OPERATION

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-210	Vertical drilling machine	11 Sept. '48
231	"	"
395	"	"
479	"	"
879	"	"
1163	"	"
1290	"	"
1672	"	"
1785	"	"
1942	"	"
2159	"	18 Nov. '48
46	Electric travelling crane	"
2203	Crucible furnace	"
1931	Circular sawing Mc.	"
290	Heating furnace	"
292	"	"
373	Grinder	"
473	"	"
827	Lathe	"
1202	"	"
1229	"	"
1315	"	"
1503	Milling machine	"
1523	Gear cutting machine	"
1787	Slotter	"
1806	"	"
1863	Planer	"
1865	Slotter	"
~~1511~~	~~Slotter~~	"
1511	Milling machine	"
1643	"	"
1497	"	"
1512	"	"
1556	"	"
1644	"	"
1648	"	"
1726	"	"
1727	Planer	"
1730	Shaper	"
1765	Planer	"
1786	Slotter	"
1801	"	"
1822	Planer	"
1903	Slotter	"
11-5(71)-67	Surface lathe	"
194	Slotter	"
11-14-172	Drilling machine	"
206	"	"
207	"	"
209	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO:

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-220	Drilling machine	18 Nov. '48
1622	Milling machine	"
1662	"	"
1681	"	"
346	Grinder	"
419	"	"
368	"	"
409	"	"
460	"	"
1945	Sand mill	"
2191	Centrifugal fan	"
2252	Sand mill	"
2093	Electric welding machine	"
2098	"	"
2132	"	"
2139	"	"
241	Drilling machine	"
1659	Milling machine	"
5	Air compressor	"
31	"	"
101	Electric travelling crane	"
242	Drilling machine	"
1195	Lathe	"
108	Drilling machine	"
126	"	"
173	"	"
358	Grinder	"
685	Lathe	"
1203	"	"
1809	Shaper	"
1940	Hack sawing machine	"
2118	Electric welding machine	"
339	Grinder	"
353	"	"
453	"	"
11-5(71)-24	Turret Lathe	"
531	Milling machine	"
523	"	"
524	"	"
525	"	"
526	"	"
11-14-4	Air compressor	"
1553	Milling machine	"
1554	"	"
1628	"	"
1630	"	"
11-5(71)-59	Lathe	"
11-14-1303	"	"
1640	Milling machine	"
1811	Shaper	"
134	Drilling machine	"
11-5(71)-81	Surfacing. boring machine	11 Jan. '49
11-14-446	Centerless grinding machine	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS NO: 1[illegible]

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-5(71)-330	Lathe	11 Jan. '49
369	"	"
55	Turret lathe	"
62	"	"
528	"	"
530	"	"
11-14-739	"	"
740	"	"
435	Grinding machine	"
461	"	"
239	Drilling machine	"
237	Radial drilling machine	"
11-5(71)-139	Milling machine	"
140	"	"
61	Centerless grinding machine	"
11-14-229	Drilling machine	"
490	Grinding machine	"
429	"	"
1671	Milling machine	"
1993	Crank press	"
501	Steam hammer	"
265	Heating furnace	"
266	"	"
1950	300HP motor (motor attached to pump, code No. 11-14-1950)	"
6	Air compressor	"
11-5(71)-20	Vertical boring & turning machine	24 May '49
11-14-1669	Gear cutting machine	"
60	Electric travelling crane	"
1918	Slotter	"
289	Heating furnace	"
268	Annealing furnace	"
291	Heating furnace	"
2041	Jib crane	"
2042	"	"
2043	"	"
2194	Centrifugal fan	"
12	Air compressor	"
63	Hoist	"
105	"	"
2141	Welding machine	"
285	Heating furnace	"
293	Annealing furnace	"
458	Grinder	"
426	"	"
2012	Shearing machine	"
2020	Shearing & punching machine	"
2103	Welding machine	"
1958	Hydraulic pump	"
1906	Slotter	"
296	Heat treating furnace	"

DECLASSIFIED E.O. 12065 SECTION 3 NSC MEMO 11/2/78

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2019	Engraving machine	24 May '49
1092	Lathe	"
961	"	"
1615	Milling machine	"
2187	Centrifugal fan	"
2198	Cupola	"
1307	Lathe	"
1871	Slotter	"
1823	Planer	"
442	Grinder	"
11-5(71)-569	Internal grinding machine	"
11-14-1927	Wood planer	"
2238	Circular sawing machine	"
457	Wood tool grinder	"
1398	Lathe	"
2447	Transformer	"
2454	"	"
2455	"	"
2356	"	"
2346	"	"
2343	"	"
2347	"	"
2350	"	"
2349	"	"
2351	"	"
2436	"	"
2409	"	"
2408	"	"
2407	"	"
93	Electric travelling crane	9 Oct. '49
124	Upright drilling machine	"
434	Surface grinding machine	"
2209	Cupola	"
11-5(71)-26	Pump	"
11-14-2501	Transformer	"

TOTAL 187

NOTE: 300HP motor is an attached motor to code number 11-14-1950 (pump), but we wish to use the motor only.

DECLASSIFIED E.O. 12065 SECTION 3 102/NNSC NO.

LIST OF REPARATIONS ITEMS APPLICATED FOR AUTHORIZED USE

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2518	Microscope	4 Jan. 1950
2642	Motor	"
2643	"	"
2644	"	"
2645	"	"
2646	"	"
2647	"	"
2648	"	"
2650	"	"
2651	"	"
2652	"	"
2653	"	"
2654	"	"
2655	"	"
2656	"	"
2657	"	"
2659	"	"
2660	"	"
2661	"	"
2662	"	"
2663	"	"
2664	"	"
2665	"	"
2666	"	"
2667	"	"
2668	"	"
2673 (2)	"	"
2674	"	"
2675	"	"
2676	"	"
2678	"	"
2679	"	"
2680	"	"
2681	"	"
2682	"	"
2683	"	"
2685	"	"
2686	"	"
2687	"	"
2688	"	"
2689	"	"
2690	"	"
2691	"	"
2692	"	"
2693	"	"
2694	"	"
2695	"	"
2696	"	"
2697	"	"
2698	"	"
2699	"	

DECLASSIFIED E.O. 12065 SECTION 3 NRS/NARS NO.

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2700	Motor	4 Jan. 1950
2701	"	"
2702	"	"
2703	"	"
2704	"	"
2705	"	"
2706	"	"
2707	"	"
2708	"	"
2709	"	"
2710	"	"
2711	"	"
2712	"	"
2713	"	"
2714	"	"
2715	"	"
2716	"	"
2719	"	"
2721	"	"
2722	"	"
2723	"	"
2724	"	"
2725	"	"
2726	"	"
2727	"	"
2728	"	"
2729	"	"
2730	"	"
2732	"	"
2731	"	"
2733	"	"
2734	"	"
2735	"	"
2736	"	"
2737	"	"
2738	"	"
2739	"	"
2740	"	"
2741	"	"
2742	"	"
2743	"	"
2745	"	"
2746	"	"
2747	"	"
2748	"	"
2749	"	"
2750	"	"
2751	"	"
2752	"	"
2756	"	"
2757	"	"
2759	"	"
2760	"	"

DECLASSIFIED E.O. 12065 SECTION 3 102/MNSC NO.

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2761	Motor	4 Jan. 1950
2762	"	"
2763	"	"
2764	"	"
2765	"	"
2766	"	"
2768	"	"
2767	"	"
2769	"	"
2780	"	"
2771	"	"
2772	"	"
2773	"	"
2774	"	"
2775	"	"
2776	"	"
2777	"	"
2778	"	"
2779	"	"
2780	"	"
2781	"	"
2782	"	"
2783	"	"
2784	"	"
2785	"	"
2895	Transformer	"
2896	"	"
2897	"	"
2898	"	"
2899	"	"
2900	"	"
2901	"	"
2902	"	"
2903	"	"
2904	"	"
2905	"	"
2906	"	"
2907	"	"
2908	"	"
2909	"	"
2910	"	"
2911	"	"
2912	"	"
2913	"	"
2914	"	"
2915	"	"
2916	"	"
2917	"	"
2918	"	"
2919	"	"
2920	"	"
2921	"	"
2922	"	"

DECLASSIFIED E.O. 12065 SECTION 3 102/MRS NSC

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2923	Transformer	4 Jan. 1950
2924	"	"
2925	"	"
2926	"	"
2927	"	"
2928	"	"
2929	"	"
2930	"	"
2931	"	"
2932	"	"
2933	"	"
2934	"	"
2935	"	"
2936	"	"
2937	"	"
2938	"	"
2939	"	"
2940	"	"
2941	"	"
2942	"	"
2943	"	"
2944	"	"
2945	"	"
2946	"	"
2947	"	"
2948	"	"
2949	"	"
2950	"	"
2951	"	"
2952	"	"
2953	"	"
2954	"	"
2955	"	"
2956	"	"
2957	"	"
2958	"	"
2959	"	"
2960	"	"
2961	"	"
2962	"	"
2963	"	"
2964	"	"
2965	"	"
2978	Switch gear	"
2979	"	"
2980	"	"
2981	"	"
2991	"	"
2992	"	"
2993	"	"
2994	"	"
2995	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO.

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-2996	Switch gear	4 Jan. 1950
2997	"	"
2998	"	"
2999	"	"
3000	"	"
3001	"	"
3002	"	"
3003	"	"
3005	"	"
3006	"	"
3007	"	"
3008	"	"
3009	"	"
3010	"	"
3011	"	"
3012	"	"
3013	"	"
3015	"	"
3016	"	"
3017	"	"
3018	"	"
3019	"	"
3020	"	"
3021 (2)	"	"
3022 (2)	"	"
3023 (2)	"	"
3024 (2)	"	"
3025 (2)	"	"
3026 (2)	"	"
3027 (2)	"	"
3029 (2)	"	"
3030 (2)	"	"
3031 (2)	"	"
3032 (2)	"	"
3025 (1)	Air compressor	"
3026 (1)	"	"
3027 (1)	"	"
3031 (1)	"	"
3032	"	"
3133	"	"
3028	Blancing machine	"
3029	"	"
3023 (1)	Manual press	"
3024 (1)	"	"
3033	"	"
3034	"	"
3042	"	"
3043	"	"
3049	"	"
3050	"	"
3051	"	"
3075	"	"
3076	"	"
3077	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO: [illegible]

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-3078	Manual press	4 Jan. 1950
3083	"	"
3088	"	"
3089	"	"
3052	Tumbler	"
3053	"	"
3081	"	"
3082	"	"
3105	"	"
3054	Moulding machine	"
3055	"	"
3056	"	"
3057	"	"
3058	"	"
3059	"	"
3060	Gas producer	"
3062	"	"
3063	"	"
3064	"	"
3104	"	"
3134	"	"
3074	Mould drying stove	"
3079	Sand blender	"
3080	"	"
3084	Generator	"
3085	"	"
3094	Blue printing machine	"
3095	"	"
3096	Pump	"
3097	"	"
3098	"	"
3099	"	"
3101	Weight dropper	"
3107	Hardness tester	"
3108	"	"
3109	"	"
3111	"	"
3112	"	"
3114	"	"
3119	Polishing machine	"
3120	Motor vehicle	"
3121	"	"
3122	Tricar	"
3123	Motor truck	"
3125	"	"
3126	"	"
3127	"	"
3128	"	"
3130	Motor fire engine	"
3129	"	"
3131	Fire pump	"
3135	Car	"
3136	"	"
3137	"	"
3138	"	"
3139	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO:

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-5(71)-20	Boring machine	4 Jan. 1950
81	"	"
11-14-108	Drilling machine	"
126	"	"
134	"	"
172	"	"
173	"	"
206	"	"
207	"	"
209	"	"
210	"	"
220	"	"
237	"	"
239	"	"
241	"	"
242	"	"
1523	Gear cutting machine	"
1669	"	"
339	Grinding machine	"
346	"	"
353	"	"
358	"	"
368	"	"
373	"	"
395	"	"
419	"	"
426	"	"
429	"	"
434	"	"
435	"	"
442	"	"
453	"	"
458	"	"
460	"	"
461	"	"
473	"	"
490	"	"
685	Lathe	"
739	"	"
740	"	"
827	"	"
1092	"	"
1163	"	"
1195	"	"
1202	"	"
1203	"	"
1229	"	"
1303	"	"
1315	"	"
11-5(71)-24	"	"
55	"	"
59	"	"
62	"	"
67	"	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDS No.

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-5(71)-330	Lathe	Jan. 4, 1950
369	"	"
523	"	"
524	"	"
525	"	"
526	"	"
528	"	"
530	"	"
531	"	"
11-14-1497	Milling machine	"
1503	"	"
1511	"	"
1512	"	"
1556	"	"
1622	"	"
1623	"	"
1630	"	"
1640	"	"
1643	"	"
1644	"	"
1648	"	"
1659	"	"
1726	"	"
2019	"	"
1727	Planer	"
1765	"	"
1823	"	"
1863	"	"
1730	Shaper	"
1801	Slotter	"
1787	"	"
1806	"	"
1809	Shaper	"
1811	"	"
1865	Slotter	"
1871	"	"
1903	"	"
1940	Cut off machine	"
1942	Sewing machine	"
11-5(71)-194	Slotter	"
11-14-1993	Mechanical press	"
2012	Shearing machine	"
2020	Shearing & punching machine	"
501	Forging machine	"
2093	Welding machine	"
2098	"	"
2103	"	"
2118	"	"
2132	"	"
2159	"	"
200	Testing/weighing device	

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO:

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-268	Heat treating furnace	4 Jan. 1950
2343	Transformer	"
2346	"	"
2347	"	"
2351	"	"
2356	"	"
2407	"	"
2408	"	"
2409	"	"
2447	"	"
2454	"	"
2455	"	"
4	Compressor	"
5	"	"
6	"	"
31	"	"
1958	Pump	"
46	Crane	"
60	"	"
63	"	"
93	"	"
101	"	"
105	"	"
2041	"	"
2042	"	"
2043	"	"
1945	Casting machine	"
2252	"	"
2198	Melting furnace	"
2203	"	"
2209	"	"
265	Heating furnace	"
266	"	"
285	"	"
289	"	"
290	"	"
291	"	"
296	Heat treating furnace	"
457	Wood tool grinding machine	"
1927	Wood planing machine	"
1931	Wood sawing machine	"
2258	"	"
2187	Blower	"
2191	"	"
2194	"	"
1079	Boring machine	"
1461	"	"
365	Grinding machine	"
377	"	"
383	"	"
421	"	"
450	"	"
451	"	"
743	Lathe - Automatic screw machine	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNBS NO:

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF REMISSION
11-14-744	Lathe	4 Jan. 1950
1452	"	"
11-5(71)-3	Lathe - Turret	"
11-14-2018	Milling machine	"
1908	Slotter	"
11-5(71)-17	Centering machine	"
196	Slotter	"
11-14-1980	Hydraulic press	"
502	Forging machine	"
510	"	"
380	Heat treating furnace	"
281	"	"
331	Heat treating furnace	"
2272	Motor	"
2290	"	"
2307	"	"
2284	"	"
2376	Transformer	"
2383	"	"
2394	"	"
2385	"	"
2386	"	"
2416	"	"
2417	"	"
2418	"	"
2426	"	"
2430	"	"
2431	"	"
2432	"	"
2473	"	"
2474	"	"
2485	"	"
2486	"	"
2487	"	"
2496	"	"
19	Compressor	"
51	Crane	"
70	"	"
98	"	"
2067	"	"
2246	Cleaning equipment-sand blast	"
2248	"	"
269	Heating furnace	"
273	"	"
299	Heat treating furnace	"
313	Heating furnace	"
2186	Blower	"
2193	"	"
2195	"	"
1764	Flamer	"
1890	"	"

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSS NO.

CODE NUMBER	NAME OF MACHINES & EQUIPMENTS	DATE OF PERMISSION
11-14-509	Forging machine	4 Jan. 1950
2788	Motor	"
2793	"	"
2794	"	"
2795	"	"
2796	"	"
2805	"	"
2806	"	"
2819	"	"
2894	Transformer	"
2677	Motor	

DECLASSIFIED E.O. 12065 SECTION 3 402/NNSS NO.

K. K. NIHON SEIKOSHO, HIROSHIMA SEISAKUSHO

(THE JAPAN STEEL WORKS, LTD., HIROSHIMA WORKS)

2.186 IRIKAWA, FUNAKOSHI-MACHI, AKI-GUN.
HIROSHIMA-KEN.

PHONE:
HIROSHIMA (2) 2391 & 2392
KAITAICHI 6 & 49

Ref. No. sho-1

11-14
Plant File
Sec. II

4 January 1950

SUBJECT: Application for Authorized Use of Temporary Use and Additional Authorized Use of Reparation Machines & Equipments

TO : General Headquarters
US Army, Tokyo

THROUGH: Ministry of Commerce & Industry

We wish to herewith submit the above-captioned subject application, the particulars of which are as below mentioned.

1. Name of designated plant and code number

K.K. Nihon Seikosho, Hiroshima Seisakusho
(The Japan Steel Works, Ltd., Hiroshima Works)

11-14, 11-5(71), 11-6(71)

2. Location of designated plant

2186 Aza-Irikawa, Funakoshi-machi, Aki-gun, Hiroshima-ken

3. Name of Principal Products

Parts for rolling stock, mining equipments, industrial machines (parts for manufacture of synthetic fertilizer, ammonia compressor, Sulzer's 2000 HP gas compressor), miscellaneous casting and forging, sewing machine, cream separator, flour mixer, etc.

NOTE: Reconversion permits are as per the attached.

4. Breakdown of reparation machines and equipments desired for authorized use.

a.	Temporary Use after evaluation work	319
b.	Temporary Use permitted-through increase of production	149
c.	Additional machines and equipments desired	70
	TOTAL	538

DECLASSIFIED E.O. 12065 SECTION 3 (E)(1)(2)(3) NLS #

5. Reason for application

Majority of the machines and equipments applied for authorized use are temporary use obtained through increase of production, furthermore, recently we are to manufacture the "Sulzer" 2000HP gas compressor which accounts for the application of additional machines and equipments togather with the temporary use machines and equipments. The "Sulzer" gas compressor shall be our special products togather with the sewing machine which we are pdoducing at present.

Our plant is a very flexiable plant because of the fact that we manufacture our products through orders received. Therefore, when instruction were given to us in connection with the application for authorized use we re-checked our production plan and found that the machines and equipments applied for authorized use are indspensable to our present and future production plan. Moreover, if we were to obtain the machines and equipments through purchase it will take a long time before we wouBM be able to obtain the desired number, besides it will greatly effect the cost, and shall require a vast sum which we cannot meet financially at present. With the above reasons we wish to utilized the machines and equipments we have at hand to bring the cost down and perfect the production.

The reason for the application of so many machines and equipments is that majority of it covers up as auxiallary equipments to the 994 machines and equipments now in authorized use, and if the permission is not received it will actually stop the production.

We earnestly solicit for your special consideration on the above in giving us your permission at the earliest date possible.

JAPAN STEEL WORKS, HIROSHIMA WORKS

T. Minakata

TAKAMITSU MINAKATA
Superintendent

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDB NO. 1[illegible]

LIST OF TEMPORARY-USE MACHINES & EQUIPMENTS REQUESTED FOR AUTHORIZED USE

(After Evaluation)

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION		640
11-14-2518	Microscope	Metallographic Max. Magnification			
2642	Motor	AC	1HP	220V	
2643	"	"	20HP	"	
2644	"	"	2HP	"	
2645	"	"	"	"	
2646	"	"	"	"	
2647	"	"	3HP	"	
2648	"	"	3.7KW	"	
2650	"	"	1HP	"	
2651	"	"	5HP	"	
2652	"	"	10HP	"	
2653	"	"	20HP	"	
2654	"	"	1HP	220-380V	
2655	"	"	2HP	220V	
2656	"	"	"	"	
2657	"	"	3HP	220-350V	
2659	"	DC	3.7KW	400V	
2660	"	AC	5HP	220V	
2661	"	"	"	"	
2662	"	"	"	"	
2663	"	"	7.5HP	"	
2664	"	"	7.5HP	"	
2665	"	"	"	"	
2666	"	"	10HP	"	
2667	"	"	15HP	"	
2668	"	"	15KW	"	
2673 (2)	"	"	10HP	"	
2674	"	"	3HP	"	
2675	"	"	4KW	208V	
2676	"	"	5HP	220V	
2677	"	"	"	"	
2678	"	"	"	"	
2679	"	DC	10HP	440V	
2680	"	AC	7.5KW	200V	
2681	"	"	10HP	220V	
2682	"	"	10HP	"	
2683	"	"	15HP	"	
2685	"	"	"	"	
2686	"	"	25HP	"	
2687	"	"	30HP	"	
2688	"	"	"	"	
2689	"	"	50HP	"	
2690	"	DC	0.75KW	330V	
2691	"	AC	1HP	220V	
2692	"	"	2HP	"	
2693	"	"	"	"	
2694	"	"	"	"	
2695	"	"	"	"	
2696	"	DC	3HP	"	
2697	"	"	3.5KW	"	
2698	"	"	5HP	"	
2699	"	AC	"	"	

DECLASSIFIED E.O. 12065 SECTION 3 102/MDS 93

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-2700	Motor	AC	5HP	220V
2701	"	"	7.5HP	"
2702	"	"	" KW	"
2703	"	"	"	200V
2704	"	DC	"	440V
2705	"	AC	10HP	220V
2706	"	"	10KW	220V
2707	"	"	10HP	"
2708	"	"	"	"
2709	"	"	10KW	"
2710	"	"	11KW	"
2711	"	DC	15KW	440V
2712	"	AC	15HP	220V
2713	"	"	11KW	200V
2714	"	"	18HP	220V
2715	"	"	25HP	"
2716	"	"	30HP	"
2717	"	"	"	208V
2719	"	"	1HP	220V
2721	"	"	1HP	"
2722	"	"	"	"
2723	"	"	2HP	200V
2724	"	"	"	220V
2725	"	"	3HP	"
2726	"	"	"	"
2728	"	"	"	"
2727	"	"	"	"
2729	"	"	3.7KW	"
2730	"	"	4HP	220 - 260V
2731	"	"	5HP	220V
2732	"	"	"	"
2733	"	"	"	"
2734	"	"	"	"
2735	"	"	"	"
2736	"	DC	7HP	"
2737	"	"	"	200V
2738	"	AC	7.5HP	220V
2739	"	"	"	"
2740	"	"	"	"
2741	"	"	"	"
2742	"	"	"	"
2743	"	"	10HP	"
2745	"	"	"	"
2746	"	"	"	"
2747	"	"	7.5KW	200V
2748	"	"	"	220V
2749	"	"	15HP	220V
2750	"	"	"	"
2751	"	"	20HP	"
2752	"	"	25HP	"
2756	"	"	10HP	"
2757	"	"	"	"
2759	"	DC	50HP	440V
2760	"	AC	"	220V

DECLASSIFIED E.O. 11652 SECTION 3 (E)(2) NARS Date

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-2761	Motor	AC	30HP	220V
2762	"	"	"	"
2763	"	DC	25HP	440V
2764	"	AC	20HP	220V
2765	"	"	15HP	"
2766	"	"	7.5HP	"
2767	"	"	"	"
2768	"	"	"	"
2769	"	"	"	"
2770	"	"	"	"
2771	"	"	"	"
2772	"	"	"	"
2773	"	"	"	"
2774	"	"	5HP	"
2775	"	"	"	"
2776	"	"	"	"
2777	"	"	"	"
2778	"	"	"	"
2779	"	"	4HP	"
2780	"	"	1HP	"
2781	"	"	1HP	200V
2782	"	DC	3HP	220V
2783	"	AC	7.5HP	"
2784	"	"	10HP	"
2785	"	"	"	"
2786	"	Selfcooled pole	30KVA	single phase
2899	Transformer	"	"	"
2896	"	"	"	"
2897	"	"	"	"
2898	"	"	"	"
2899	"	"	"	"
2900	"	"	"	"
2901	"	"	"	"
2902	"	"	"	"
2903	"	"	"	"
2904	"	"	"	"
2905	"	"	"	"
2906	"	"	"	"
2907	"	out-door pole	"	"
2908	"	"	"	"
2909	"	"	"	"
2910	"	"	"	"
2911	"	"	"	"
2912	"	"	"	"
2913	"	"	"	"
2914	"	"	"	"
2915	"	"	"	"
2916	"	"	"	"
2917	"	"	"	"
2918	"	"	"	"
2919	"	"	20KVA	"
2920	"	"	"	"
2921	"	"	"	"
2922	"	"	"	"

DECLASSIFIED E.O. 12065 SECTION 3 NND/NARS

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-2923	Transformer	Self-cooled pole	20KVA	single phase
2924	"	"	"	"
2925	"	"	"	"
2926	"	"	"	"
2927	"	"	"	"
2928	"	"	"	"
2929	"	"	"	"
2930	"	"	"	"
2931	"	"	"	"
2932	"	"	"	"
2933	"	"	"	"
2934	"	"	"	"
2935	"	"	"	"
2936	"	"	"	"
2937	"	"	"	"
2938	"	"	"	"
2939	"	"	"	"
2940	"	"	10KVA	"
2941	"	"	"	"
2942	"	"	"	"
2943	"	"	"	"
2944	"	"	"	"
2945	"	"	"	"
2946	"	"	"	"
2947	"	"	"	"
2948	"	"	"	"
2949	"	"	"	"
2950	"	"	"	"
2951	"	"	"	"
2952	"	"	"	"
2953	"	"	"	"
2954	"	"	"	"
2955	"	"	"	"
2956	"	"	7.5KVA	"
2957	"	"	"	"
2958	"	"	"	"
2959	"	"	5KVA	"
2960	"	"	"	"
2961	"	"	"	"
2962	"	"	4KVA	"
2963	"	"	"	"
2964	"	"	"	"
2965	"	"	2KVA	"
2978	Switch gear	Indoor"panel	Instrument O.C.B.	3000V 100A
2979	"	"	Voltage 100-200V	500A
2980	"	"	"	
2981	"	"	"	
2991	"	"	Instrument O.C.B.	3300V 100A
2992	"	"	"	
2993	"	"	Voltage 100-200V	500A
2994	"	"	"	
2995	"	"	"	

DECLASSIFIED E.O. 12065 SECTION 3 (E)(1)(2)(3) NSC

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION
11-14-2996	Switch gear	Indoor panel	Voltage D.C. 220-440V 500A
2997	"	"	O.C.B. 3300V 100A
2998	"	"	Voltage 100-200V 500A
2999	"	"	"
3000	"	"	"
3001	"	"	O.C.B. 3300V 100A
3002	"	"	Voltage 100-200V 500A
3003	"	"	"
3005	"	"	Instrument O.C.B. 3300V 100A
3006	"	"	Voltage 100-200V 500A
3007	"	"	"
3008	"	"	"
3009	"	"	"
3010	"	"	Instrument O.C.B. 3300V 100A
3011	"	"	Voltage 100-200V 500A
3012	"	"	"
3013	"	"	"
3015	"	"	Instrument O.C.B. 3300V 100A
3016	"	"	Voltage 100-200V 500A
3017	"	"	"
3018	"	"	"
3019	"	"	Instrument O.C.B. 3300V 100A
3020	"	"	Voltage 100-200V 500A
3021(2)	"	"	"
3022(2)	"	"	"
3023(2)	"	"	Instrument O.C.B. 3300V 100A
3024(2)	"	"	Voltage 100-200V 500A
3025(2)	"	"	"
3026(2)	"	"	"
3027(2)	"	"	"
3029(2)	"	"	Instrument O.C.B. 3300V 100A
3030(2)	"	"	Voltage 100-200V 500A
3031(2)	"	"	"
3032(2)	"	"	"
3025(1)	Air compresser	portable	Capacity 1.15m^3/min. pressure 14kg/cm^2
3026(1)	"	"	"
3027(1)	"	"	Capacity 0.05m^3/min. pressure 5kg/cm^2
3031(1)	"	"	" 1.15m^3/min. " 14kg/cm^2
3032	"	"	pressure 1.5kg/cm^2
3133	"	"	" 5kg/cm^2
3028	Blancing machine		Weight of testing good 5 kg.
3029	"		"
3023(1)	Manual press	Hand screw	Pressure 150kg.
3024(1)	"	"	"
3033	"	"	Pressure 2 tons
3034	"	"	"
3042	"	"	"
3043	"	"	"
3049	"	"	"
3050	"	"	"
3051	"	"	Pressure 2.5tons
3075	"	"	Pressure 2 tons
3076	"	"	"
3077	"	"	"

DECLASSIFIED E.O. 12065 SECTION 3 (E)(1)(B) NLS

CODE NO.	NAME OF MACHINE	TYPE	OPERATING DIMENSION
11-14-3078	Manual press.	hand screw	Pressure 2 tons
3083	"	"	"
3088	"	"	"
3089	"	"	Pressure 3 tons
3052	Tumbler		Inside dia. 460 x 800mm
3053	"		"
3081	"		Capacity 1.38m3
3082	"		"
3105	"		Inside dia. 480 x 650mm
3054	Moulding machine	Jolt & squeeze	Size of table 400 x 500mm
3055	"	"	"
3056	"	"	"
3057	"	"	"
3058	"	"	"
3059	"	"	"
3060	Gas producer	acetylene	Capacity 750 litre
3062	"	"	" 1100 litre
3063	"	"	" 1300/1150 780 litre
3064	"	"	" 1300 litre
3104	"	"	" 750 litre
3134	"	"	Height of gast holder 1200mm
			Dia. of gas holder 470mm
3074	Mould drying stove	portable	Size of heating chamber 800 x 800 x 800mm
3079	Sand blender		Capacity 60 kg./min.
3080	"		"
3084	Generator		Capacity DC 5KW voltage 100-170v 30A moter AC 7.5HP 220V
3085	"		Capacity DC 0.6KW Moter capabity AC 1HP
3094	Blue printing machine		Admits in breach of printing 1190mm
3095	"		Admits in breach of printing 1100mm
3096	Pump	Centrifugal	Capacity 12000L/min
3097	"	"	"
3098	"	"	"
3099	"	"	Capacity 150L/min.
3101	Weight dropper		Weight 3 tons dropping height 10m
3107	Hardness tester	Scleroscope	Scale 140
3108	"	"	"
3109	"	"	"
3111	"	"	"
3112	"	"	"
3114	"	"	"
3119	Polishing machine		Dia. of spindle 30mm
			Polishing table dia. 200m
3120	Moter Vehicle		Horse power 17.8HP
3121	"		" 28HP
3122	Tricar		Burden 450 kg.
3123	Moter truck		" 4000 kg.
3125	"		" 1500 kg.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDB NO. [illegible]

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-14-3126	Motor truck		Burden	4000 kg.
3127	"		"	"
3128	"		"	"
3129	Motor fire engine		Horse power	25.35HP
3130	" "		"	"
3131	Fire pump		Exhaust pipe	2½"
			Dia. of cylinder	133mm.
			Stroke of pieton	190mm
3135	Car	Flat	Capacity	20 ton
3136	"	"	"	"
3137	"	"	"	5 ton
3138	"	"	"	"
3139	"	"	"	"

TOTAL NUMBER OF MACHINES & EQUIPMENTS 319

11-14
3126/8

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 1

LIST OF TEMPORARY USE MACHINES AND EQUIPMENTS REQUESTED FOR AUTHORIZED USE

CODE NUMBER	NAME OF MACHINE	TYPE	OPERATING DIMENSION	
11-5(71)-20	Boring machine	vertical	Swing dia.	2,800mm
			Height under tool holder	1,300mm
			Dia. of table	2,720mm
81	"	horizontal	dia. of boring bar	75mm
			Traverse of boring bar	1,200mm
			Dia. of face	480mm
			No. of feed	8
			Distance table to spindle	450mm
11-14-108	Drilling machine	Upright	Spindle to column	270mm
126	"	Radial	"	1,050mm
134	"	"	"	1,250mm
172	"	Bench	Drilling capacity in cast iron	10mm
173	"	"	Drilling capacity in steel	10mm
206	"	Sensitive	Spindle to column	175mm
207	"	"	"	175mm
209	"	"	"	180mm
210	"	Upright	"	270mm
220	"	"	"	190mm
237	"	Radial	"	1,250mm
239	"	Upright	"	180mm
241	"	"	"	180mm
242	"	"	"	260mm
1523	Gear cutting Mc.	Straight bevel	Max. external dia. of work	100mm
1669	"	Gear hobber	Dia. max. capacity	3,000mm
339	Grinding machine	Universal	Swing dia. 280mm x Max. between center 820mm	400mm
346	"	Standard	Wheel dia.	
353	"	Universal	Swing dia. 280mm x Max. between center 820mm	410mm
358	"	Standard	Wheel dia.	
368	"	Combination	Max. dia. of work x Max. length of work	
		external	180mm x 800mm	
		internal		
373	"	Standard	Wheel dia.	350mm
395	"	"	"	500mm
419	"	Stand. bench	"	200mm
426	"	Standard	"	230mm
429	"	"	"	350mm
434	"	Surface	Length of work table	1,650mm
435	"	Plain	Swing dia.	250mm
442	"	Universal	"	300mm
453	"	Universal tool & cutter	Max. dia. of work	240mm
458	"	Standard	Wheel dia.	400mm
460	"	Vertical	Dia. of solid table	510mm
461	"	"	"	550mm
473	"	Standard	Wheel dia.	420mm